

Supplemental Table S4

cancer	genes	cpG	cor	N	t	pvalue	R2	qvalue
ACC	ACTL6A	cg03667091	0.00160038443231363	80	0.0140433343838073	0.988831731899424	2.56123033119181e-06	0.994109351796744
ACC	ACTL6A	cg03839554	-0.388542072446699	80	-3.7001608461201	0.000402408823457845	0.150964942061176	0.0031195806686692
ACC	ACTL6A	cg07261848	-0.397786422212673	80	-3.80451794927386	0.000283120195215998	0.158234037696759	0.00232872197786354
ACC	ACTL6A	cg10112003	0.222425267396934	80	2.00192247370236	0.048815061184108	0.0494729995765974	0.141740775968815
ACC	ACTL6A	cg20132173	-0.0762012364244825	80	-0.670612970683909	0.50447364562561	0.00580662843261987	0.687712872600124
ACC	ACTL6A	cg22619386	0.200228429327867	80	1.79331329119005	0.0768493675592617	0.0400914239111047	0.197320605317354
ACC	ACTL6A	cg25198545	0.0980356052002976	80	0.864422949316744	0.390040542622359	0.00961097988698861	0.58753802905979
ACC	ACTL6A	cg25575835	-0.103082185103512	80	-0.909386950999543	0.365983656123311	0.0106259368857146	0.564858638177635
ACC	ACTL6B	cg05729836	0.149282592758375	80	1.32479432123247	0.189157652293084	0.0222852925006629	0.368953224413003
ACC	ACTL6B	cg08572611	-0.0982886230262131	80	-0.866675653092476	0.388812434833506	0.00966065341638902	0.586508757078576
ACC	ACTL6B	cg09375063	-0.0752824595722112	80	-0.662480857307256	0.509641205870549	0.00566744871924162	0.692092455117765
ACC	ACTL6B	cg14088161	0.0807881825226282	80	0.711238254333046	0.479085687531998	0.00652673043530949	0.666477283216739
ACC	ACTL6B	cg16024950	-0.063023676221918	80	-0.554132111254091	0.581094241133658	0.00397198376452515	0.746736551512566
ACC	ACTL6B	cg20497359	0.0405386456567659	80	0.356017828846142	0.722800798470535	0.00164338179168483	0.842920868804593
ACC	ACTL6B	cg24471254	-0.181202261542292	80	-1.61680827827284	0.110009543189081	0.0328342595880411	0.255008414864463
ACC	ACTL6B	cg26990587	-0.112595933720297	80	-0.994348511430741	0.323167764374199	0.0126778442903455	0.522596418738839
ACC	AEBP2	cg02664216	0.0985709076404855	80	0.869189129355	0.387444998020109	0.00971622383306912	0.585373784734441
ACC	AEBP2	cg07849438	-0.202844762394885	80	-1.81774483068053	0.0729929025337798	0.0411459976310373	0.190135940388845
ACC	AEBP2	cg08161947	-0.512013768870678	80	-5.23052576186368	1.41342836287383e-06	0.262158099513156	2.31975202661195e-05
ACC	AEBP2	cg24304000	-0.0743487552233144	80	-0.654218358684635	0.514920415692789	0.00552773740325632	0.696401641459724
ACC	AEBP2	cg26259627	-0.257836340307414	80	-2.34168017592904	0.0217842999895084	0.0664795783831204	0.07769876820796
ACC	AFF4	cg00931577	0.0601631260647492	80	0.528887337139091	0.598404928431018	0.0036196017378829	0.75891023951945
ACC	AFF4	cg01907658	-0.327382640826214	80	-3.0403172776363	0.00322871287394268	0.107179393514346	0.0174863888412348
ACC	AFF4	cg05619425	0.26933466864396	80	2.45408895118033	0.0163826234192143	0.072541163733552	0.0624311651941978
ACC	AFF4	cg06638012	0.183857805675413	80	1.6413256195369	0.104808464768435	0.0338036927077778	0.246343274765715
ACC	AFF4	cg13393914	-0.141998075272605	80	-1.25878338901515	0.211911651018506	0.0201634533811244	0.398026340705336
ACC	AFF4	cg13565585	-0.273093702785782	80	-2.49107984520424	0.0148875931140239	0.0745801705012489	0.0580359500256752
ACC	AICDA	cg07999668	0.0752238805218063	80	0.66196243066056	0.509971596025308	0.00565863220075899	0.6923705809495
ACC	AIRE	cg08089567	-0.145656929749975	80	-1.29191241048237	0.200251655169004	0.0212159411841891	0.383222485602261
ACC	AIRE	cg09510531	-0.153238180715745	80	-1.36073078413031	0.177568460517419	0.0234819400290713	0.353935812280409
ACC	AIRE	cg11923631	-0.160103909097442	80	-1.42326599527504	0.1586983367767	0.025633261708282	0.327909121147586
ACC	AIRE	cg12843033	-0.107693529820765	80	-0.950535068094278	0.34481451789019	0.0115978963652561	0.544052339615646
ACC	AIRE	cg15955655	-0.196792619712272	80	-1.76129001630169	0.0821591364975495	0.0387273351732189	0.206924626543977
ACC	AIRE	cg16501323	-0.130503375103085	80	-1.15504053147681	0.25164568506817	0.0170311309132965	0.445417042255995
ACC	AIRE	cg16717549	-0.143960547918163	80	-1.27654591380609	0.205599248990935	0.0207246393568976	0.389907315180049
ACC	AIRE	cg17356252	-0.129283235257394	80	-1.14405704692882	0.256144089588038	0.0167141549186187	0.450407389195811
ACC	AIRE	cg18689454	-0.125022525111172	80	-1.10574397944803	0.272280250525648	0.0156306317851737	0.468633593871374
ACC	AIRE	cg18876487	0.0981008394720347	80	0.865003736017594	0.389723684980611	0.00962377470511793	0.587345054134751
ACC	AIRE	cg23272544	-0.175689334556917	80	-1.56602615709488	0.121443224633996	0.0308667422770522	0.272916756544306
ACC	AIRE	cg27251412	-0.162631090213948	80	-1.44633719069982	0.152141095636558	0.0264488715041771	0.318816408444655
ACC	ARID1A	cg04081153	0.139734281771302	80	1.23831238226611	0.219362361362199	0.0195256695021415	0.407310202157933
ACC	ARID1A	cg04360147	0.232723986784968	80	2.09979925218468	0.0390217829414851	0.0541604540250898	0.120291951765909
ACC	ARID1A	cg14851949	0.229411804924144	80	2.06824155211532	0.0419751240149386	0.0526297762385536	0.126812147480316
ACC	ARID1A	cg17385674	0.165123767495316	80	1.4691220327599	0.14587358594491	0.0272658585918472	0.309861566072433
ACC	ARID1A	cg20413923	0.00757090656753177	80	0.0664363395575075	0.947202638141335	5.73186262542956e-05	0.971876205589193
ACC	ARID1A	cg21294655	-0.25005782783176	80	-2.2662450927673	0.0262445306623219	0.0625289172599384	0.0893642083303655
ACC	ARID1A	cg24542126	0.0830923039460034	80	0.731662201882922	0.466595741718524	0.00690433097505501	0.655879114754464
ACC	ARID1A	cg25601319	0.333207443734097	80	3.10110035736007	0.00269396682915006	0.111027200559811	0.0151120893789227
ACC	ARID2	cg00035453	-0.250653553155689	80	-2.27200556671319	0.0258775405540561	0.0628272037095716	0.0884124864416034
ACC	ARID2	cg01183821	-0.0689822613503872	80	-0.606762263243074	0.54579362776809	0.00475855238101312	0.7195967797385
ACC	ARID2	cg01353809	-0.390701958004852	80	-3.72442322322936	0.000371012469353024	0.152648019988825	0.00291953712733655
ACC	ARID2	cg01751433	-0.0423126645179345	80	-0.371624944825995	0.711192791315628	0.00179036157860727	0.835571510671579
ACC	ARID2	cg06613666	0.0348404649730145	80	0.305909561139422	0.760499055811797	0.00121385799953585	0.866752256127108
ACC	ARID2	cg07276957	-0.336264120185068	80	-3.13315652220618	0.00244636878676272	0.113073558523838	0.0139833073767391
ACC	ARID2	cg23465749	-0.355103749293348	80	-3.33326176652239	0.00132150479496564	0.126098672762193	0.00845715235435647

ACC	ARID4A	cg02136725	-0.0780052946859669	80	-0.686585747619654	0.494406289834727	0.00608482599904454	0.679523992589059
ACC	ARID4A	cg06154646	0.446492376856238	80	4.37864295379547	3.71581673215751e-05	0.199355442590733	0.000410316886957362
ACC	ARID4A	cg08066755	-0.236863951235475	80	-2.13935266123206	0.035575623239118	0.0561045313948814	0.112220412283728
ACC	ARID4A	cg08790491	-0.341598965918885	80	-3.18937290454409	0.00206270812420677	0.116689853516852	0.0121953424391656
ACC	ARID4A	cg10064886	0.0400751124682028	80	0.351940409014188	0.725844313474767	0.00160601463933911	0.844672139453343
ACC	ARID4A	cg10242170	-0.347466457331293	80	-3.25160548092614	0.00170396317398002	0.120732938970359	0.0104368247505394
ACC	ARID4A	cg10844118	-0.296990122855438	80	-2.72921859009453	0.00786321052456957	0.0882031330736881	0.0354510589191401
ACC	ARID4A	cg12203852	0.227276505699382	80	2.04793721257186	0.0439756449921003	0.0516546100429212	0.131320436070269
ACC	ARID4A	cg14272338	-0.00371671493196831	80	-0.0326142664331356	0.974066586644343	1.38139698855162e-05	0.986465403984912
ACC	ARID4A	cg14460816	-0.286511929063103	80	-2.62414485251453	0.0104704629319426	0.0820890854954607	0.0441748030439578
ACC	ARID4A	cg17323045	0.188013705824161	80	1.67976990980186	0.0970553926977568	0.035349153577734	0.233049176477847
ACC	ARID4A	cg19548283	-0.353807389739199	80	-3.31934832196356	0.0013803802753559	0.125179669034066	0.00878048267710847
ACC	ARID4A	cg20996579	-0.233562048249991	80	-2.10779629736417	0.0383025858416516	0.054551230382731	0.118538861557284
ACC	ARID4A	cg26429530	-0.232935720160151	80	-2.10181921061071	0.0388390270751566	0.0542590497265281	0.119836722019781
ACC	ARID4A	cg27026909	-0.354000391095812	80	-3.32141835980658	0.00137146730616138	0.125316276895988	0.00873235616430828
ACC	ARID4B	cg05652840	0.210757760867403	80	1.89188680274475	0.0622657719006457	0.0444188337658416	0.169148425436981
ACC	ARID4B	cg06212607	-0.372228218141859	80	-3.51917276395062	0.000730266819640828	0.138553846381063	0.00516457972428532
ACC	ARID4B	cg06891548	-0.404501474422276	80	-3.88118216091397	0.000217887221207677	0.163621442809795	0.00186431131617136
ACC	ARID4B	cg07814876	-0.32380160277614	80	-3.00314178650883	0.00360274076115906	0.104847477960397	0.0190583173380666
ACC	ARID4B	cg10107779	0.191616172220443	80	1.7131702350344	0.0907050998742861	0.0367167574564146	0.222001338355206
ACC	ARID4B	cg11732257	-0.347594138607665	80	-3.25296449591681	0.00169682460481324	0.120821685194405	0.0104031380482808
ACC	ARID4B	cg22596515	0.291376020280071	80	2.67279031320101	0.00917881296500422	0.0848999851942523	0.039920193790862
ACC	ARID4B	cg23687319	-0.273328928300832	80	-2.49339866407008	0.0147980907522604	0.0747087030460812	0.057777371740796
ACC	ARID4B	cg26020585	0.268386323459343	80	2.4447759278776	0.0167796117704777	0.0720312186200229	0.0635982030729621
ACC	ASH1L	cg03119126	-0.0789782401942713	80	-0.695202822218299	0.489020923600983	0.00623756242418401	0.675037682503046
ACC	ASH1L	cg08095278	0.203153407249026	80	1.82062964745171	0.072548384756093	0.0412713068768885	0.189218796517098
ACC	ASH1L	cg09410084	0.18067505824117	80	1.61194523817933	0.111065498168332	0.0326434766704503	0.256664038078521
ACC	ASH1L	cg10558228	0.116293669499881	80	1.02744414815441	0.307428182572389	0.0135242175657476	0.505914556021167
ACC	ASH1L	cg17038116	-0.225258539427204	80	-2.02877721356459	0.0459381393900129	0.050741409584877	0.135629876492719
ACC	ASH1L	cg20064047	-0.049736849318984	80	-0.436979906624704	0.663348967182988	0.00247375418017932	0.804310622709373
ACC	ASH1L	cg21852905	-0.273777170021263	80	-2.49781870445804	0.0146288228611934	0.0749539388248518	0.0572604649340252
ACC	ASH1L	cg23821590	-0.358975012337585	80	-3.37494241058599	0.00115895580094083	0.128863059482769	0.00759304426296034
ACC	ASH1L	cg24312492	-0.00337884351272654	80	-0.0296494007426588	0.976423381212389	1.14165834834942e-05	0.987543624613701
ACC	ASH1L	cg26185843	-0.203207809818184	80	-1.82113819163926	0.0724702585425686	0.0412934139711033	0.189065739731734
ACC	ASH2L	cg00590869	0.373552951811211	80	3.5337241802446	0.000696564823034415	0.139541807806869	0.00496641589617261
ACC	ASH2L	cg01642070	-0.186434012979091	80	-1.66514602233932	0.0999476534655911	0.0347576411954877	0.238163621579385
ACC	ASH2L	cg02897270	0.00788857399095268	80	0.0692241097657446	0.94499069041749	6.22295996107351e-05	0.970553908117211
ACC	ASH2L	cg03189282	-0.29920731156322	80	-2.75158894226107	0.00739113251958967	0.0895250152928898	0.0337928747122515
ACC	ASH2L	cg03705346	0.0230370249152297	80	0.202202735295707	0.840291524917378	0.000530704516944913	0.914424968625297
ACC	ASH2L	cg10062221	0.0463832141085669	80	0.407449582001178	0.684808390879073	0.00215140255104116	0.818629991549189
ACC	ASH2L	cg21453287	0.088692302769458	80	0.781351046251429	0.436991887298594	0.0078663245705492	0.629986784783863
ACC	ASH2L	cg24318412	0.0400458698816767	80	0.351683187406868	0.72603646049894	0.00160367169458018	0.844819917554962
ACC	ASH2L	cg27255459	-0.0040775537282826	80	-0.0357806862073893	0.971549830619737	1.66264444070314e-05	0.984945104295661
ACC	ASXL1	cg00174466	-0.304685320266868	80	-2.8070704074106	0.00633004139558777	0.092833144386124	0.0299179684747155
ACC	ASXL1	cg04218270	-0.152969410430048	80	-1.35828691054218	0.178339104515833	0.0233996405273164	0.354935333010252
ACC	ASXL1	cg09065199	0.0357154351365297	80	0.313601749217432	0.754671498390322	0.00127559230699166	0.862990253175548
ACC	ASXL1	cg10421984	-0.232093113869766	80	-2.09378252904587	0.0395705654704552	0.0538672135057643	0.121544303320906
ACC	ASXL1	cg12592359	-0.0910354232117033	80	-0.802163456190378	0.424927232483583	0.00828744827933392	0.619814069872357
ACC	ASXL1	cg16926526	-0.0433036148030543	80	-0.380344456622351	0.704736933237507	0.0018752030550113	0.831520213405087
ACC	ASXL1	cg18793288	-0.0155114844029803	80	-0.136129100966279	0.892074497441077	0.000240606148383902	0.942829013359791
ACC	ASXL1	cg24727216	-0.244826452167492	80	-2.21577630090428	0.029660796146503	0.0599399916809211	0.097838872770567
ACC	ASXL2	cg05165989	-0.0155448863285466	80	-0.136422307716256	0.89184349345127	0.000241643490967434	0.942722001470544
ACC	ASXL2	cg05496738	0.0408366859025182	80	0.35863962925407	0.720846159456212	0.00166763491550093	0.841852911318329
ACC	ASXL2	cg06583696	-0.0376029543953851	80	-0.330198115386539	0.742146982015107	0.00141398217926141	0.854959829390088
ACC	ASXL2	cg09476286	-0.176296484075579	80	-1.57161134210225	0.120141081542418	0.031080450297411	0.270935600147241
ACC	ASXL2	cg19084174	-0.121269502445164	80	-1.07204768573737	0.287047182990145	0.0147062922232977	0.484467241306388
ACC	ASXL2	cg20667782	0.133063969647358	80	1.17810797748846	0.242381753129626	0.0177060200183131	0.434777242312311

ACC	ASXL2	cg24738909	-0.134490207911758	80	-1.19096681044553	0.23732503446109	0.0180876160241478	0.428747750527187
ACC	ASXL3	cg09963640	-0.0602681746221888	80	-0.529814170862306	0.597765184437937	0.00363225287229064	0.758506960888707
ACC	ASXL3	cg12361352	-0.0520895829177343	80	-0.457705608795762	0.648452911021149	0.00271332464854352	0.794233578839317
ACC	ASXL3	cg17880622	-0.0447923399841869	80	-0.393446082368742	0.695077356557616	0.00200635372125899	0.825174317875187
ACC	ASXL3	cg20034091	-0.0835056345511897	80	-0.735327243089115	0.464374096398895	0.00697319100179685	0.653608495272151
ACC	ASXL3	cg20329085	-0.00962456072087461	80	-0.0844590894748898	0.932910634911325	9.26321690698024e-05	0.964334497299879
ACC	ASXL3	cg24880056	-0.0440863016864611	80	-0.387232222959747	0.699652542519779	0.00194360199638966	0.827851763468808
ACC	ASXL3	cg27109877	-0.0527335587183497	80	-0.463379838176856	0.644399266715916	0.00278082821510163	0.791399288881314
ACC	ATAD2B	cg08192560	-0.161772936674784	80	-1.43849966453987	0.154344663881392	0.0261704830403836	0.321852235719006
ACC	ATAD2B	cg14009731	-0.219414035854721	80	-1.97343944529648	0.0520335729961402	0.0481425191300568	0.14854132977365
ACC	ATAD2B	cg15717719	0.214883490621014	80	1.93069664850358	0.057202033032048	0.0461749145414714	0.159001499185162
ACC	ATAD2B	cg16929802	0.159061272212649	80	1.41375593158261	0.161463922527123	0.0253004883179065	0.331729153283376
ACC	ATAD2B	cg17933838	0.108067848803268	80	0.953877890645606	0.343130430136802	0.011678659944966	0.542440330868978
ACC	ATAD2B	cg19614157	0.0168977542423191	80	0.148298365334833	0.882494982395385	0.000285534098433812	0.937636606078567
ACC	ATAD2B	cg20806130	-0.453884779101672	80	-4.46975631023863	2.65503489007039e-05	0.206011392700174	0.000306447751095157
ACC	ATAD2B	cg27610867	-0.383611588373382	80	-3.64504381198393	0.000483396998992327	0.147157850734349	0.00364111019941993
ACC	ATAT1	cg01245721	-0.0384418996983706	80	-0.337575824398417	0.736601409877718	0.00147777965241958	0.851458693611103
ACC	ATAT1	cg05093836	-0.225832201038747	80	-2.03422115085713	0.045373027946512	0.051000183026005	0.134428583433757
ACC	ATAT1	cg06814856	-0.128779869314369	80	-1.13952737806751	0.258015754616357	0.016584254740626	0.452542670663861
ACC	ATAT1	cg07142893	-0.167025371903685	80	-1.48652348347384	0.141224058506559	0.0278974748595641	0.303201443358119
ACC	ATAT1	cg07816366	-0.130329740443895	80	-1.15347717821023	0.252282522078423	0.016985841244173	0.446148363777423
ACC	ATAT1	cg08081524	-0.197681890002625	80	-1.76957187948509	0.0807576462545719	0.0390781296350098	0.204360820139489
ACC	ATAT1	cg08188471	-0.179443904959961	80	-1.6005943925214	0.113561959687181	0.0322001150272797	0.260741369810062
ACC	ATAT1	cg08635134	-0.110553314656601	80	-0.97608460727234	0.332079176604704	0.0122220353815615	0.531758844708098
ACC	ATAT1	cg09532691	-0.0453696926157025	80	-0.398527814881955	0.691344129465194	0.00205840900804333	0.82259066924966
ACC	ATAT1	cg12907138	-0.158726029137865	80	-1.41069915679476	0.16236068810185	0.0251939523258744	0.333023686582831
ACC	ATAT1	cg13542073	0.0552784005043015	80	0.485808807069148	0.628482338951361	0.00305570156231396	0.780627089193184
ACC	ATAT1	cg13964084	-0.0951853166727533	80	-0.839057445610008	0.40403447693532	0.00906024451009232	0.600536083966188
ACC	ATAT1	cg15381130	-0.20808772712759	80	-1.86682692556404	0.065732403678807	0.0433005021811263	0.175978615589136
ACC	ATAT1	cg15729859	-0.156428784339589	80	-1.38976608807438	0.168605089122296	0.0244699645699616	0.341779302790211
ACC	ATAT1	cg18298197	0.0225722570487027	80	0.198121230231881	0.843472347468098	0.000509506788272709	0.916388578835445
ACC	ATAT1	cg20629923	-0.0986506393032611	80	-0.869899102397926	0.387059284946455	0.00973194863494212	0.584995531806118
ACC	ATAT1	cg22759096	-0.160355441690568	80	-1.42556099636012	0.158036443068036	0.025713867679777	0.327062704230774
ACC	ATAT1	cg23328390	-0.225615543411976	80	-2.032164850378	0.0455857776030352	0.0509023734290814	0.134876202139372
ACC	ATAT1	cg26934609	-0.189180094805121	80	-1.69057633316165	0.0949622725562346	0.0357891082704747	0.229482325771612
ACC	ATF7IP	cg00236831	0.140507653746964	80	1.24530357688452	0.216796547354829	0.0197424007614768	0.404089191962086
ACC	ATF7IP	cg11409060	-0.280669726980338	80	-2.56600911048133	0.0122290484246101	0.0787754956432174	0.0499080155882969
ACC	ATF7IP	cg12526346	-0.242849117290568	80	-2.19675422941016	0.0310462049781817	0.0589756937688082	0.101232646075642
ACC	ATF7IP	cg12948116	-0.169849669763642	80	-1.51239999933232	0.134525786677512	0.0288489103188182	0.292948691322091
ACC	ATF7IP	cg17439009	-0.141874325277617	80	-1.25766382631146	0.212314251137807	0.0201283241729791	0.398532353368752
ACC	ATF7IP	cg19789919	0.019029603010216	80	0.16701433155747	0.867796600317148	0.00036212579072642	0.929778656967169
ACC	ATF7IP	cg21275967	-0.316726471433764	80	-2.93011485283645	0.0044570293170021	0.100315657706883	0.0226280844930406
ACC	ATF7IP	cg26637901	-0.0931041180579926	80	-0.820549476977507	0.414435989089275	0.00866837679935662	0.610005739224095
ACC	ATM	cg01756564	-0.320381023086932	80	-2.96776672384651	0.00399559506173419	0.102643999954229	0.020723603055707
ACC	ATM	cg01800843	-0.178571786308801	80	-1.59255843867524	0.115356450860114	0.0318878828655159	0.263446446048958
ACC	ATM	cg01991180	-0.108868535289994	80	-0.961029730515965	0.339545417259057	0.0118523579761887	0.538808779858729
ACC	ATM	cg02105423	0.020514556747454	80	0.180052396127914	0.857584445253251	0.00042084703854451	0.924234239360958
ACC	ATM	cg03165700	-0.413951291868374	80	-3.99034571707817	0.000149297726238568	0.171355672039496	0.00135714738431914
ACC	ATM	cg03569616	-0.144512087238851	80	-1.28154070677563	0.203849557970464	0.0208837433581292	0.38778023016883
ACC	ATM	cg04709886	-0.34512764064381	80	-3.22674782886832	0.00183960614514605	0.119113088336363	0.0111032912138639
ACC	ATM	cg04826772	0.204093799336909	80	1.82942272243621	0.0712073889587369	0.0416542789277746	0.186666249381857
ACC	ATM	cg05033322	-0.433429693252053	80	-4.22035437959123	6.60565521437372e-05	0.187861298992569	0.000676247324315027
ACC	ATM	cg05637308	-0.00837093982676707	80	-0.073457272586244	0.941632732764352	7.00726335833551e-05	0.968883115264264
ACC	ATM	cg06053805	-0.407911000837771	80	-3.92039370530898	0.000190351432661229	0.166391384604472	0.00166402959348777
ACC	ATM	cg06081482	-0.299104110129478	80	-2.75054660808894	0.00741253993341383	0.0894632686963471	0.0338748241543791
ACC	ATM	cg06750635	-0.192718080496734	80	-1.72340087715132	0.0888295705776764	0.0371402585503455	0.218833768860692
ACC	ATM	cg09808176	-0.037995667363892	80	-0.333651556474562	0.739549428333802	0.00144367073842753	0.853281545833145

ACC	ATM	cg10610482	-0.336229398262473	80	-3.13279176057591	0.00244906266943431	0.113050208255945	0.0139945924273522
ACC	ATM	cg10976287	-0.270486495416257	80	-2.46541057826127	0.0159113568541535	0.0731629442025688	0.0610419220392554
ACC	ATM	cg11588932	-0.180941486553243	80	-1.61440265215024	0.110530882877159	0.0327398215560974	0.255873813496375
ACC	ATM	cg12019961	-0.272593006955417	80	-2.48614566561263	0.015079663900428	0.0743069474409961	0.0586172674496527
ACC	ATM	cg12106634	-0.0443651652428986	80	-0.389686437593189	0.697844195515358	0.0019682678870297	0.826728359955793
ACC	ATM	cg12848864	-0.352872772097525	80	-3.30933092006167	0.00142428693880496	0.124519193287792	0.00900894203735208
ACC	ATM	cg14761454	-0.180198878278307	80	-1.60755408334593	0.11202598316495	0.0324716357327602	0.258237110395979
ACC	ATM	cg15370815	0.390958556129381	80	3.72731044515574	0.000367435648352067	0.15284859261077	0.00289642081733712
ACC	ATM	cg15504467	-0.27163765294083	80	-2.4767370401213	0.0154520864211786	0.0737870144952029	0.0597425381963705
ACC	ATM	cg16693212	-0.0782459033115982	80	-0.688716558412967	0.493071606240299	0.00612242138504797	0.678454442425107
ACC	ATM	cg16788234	0.275244683639879	80	2.51230195429463	0.0140863042240576	0.0757596358720173	0.0556061359676226
ACC	ATM	cg17114932	-0.370981651159126	80	-3.50550276594234	0.000763329258720415	0.137627385496751	0.00535362751107969
ACC	ATM	cg17420659	-0.0731522499919943	80	-0.643632819199714	0.521725994216784	0.00535125167889122	0.701656045289641
ACC	ATM	cg18042593	-0.0495174100045276	80	-0.435047198881674	0.664745111179567	0.00245197389355649	0.805388359561794
ACC	ATM	cg18391757	-0.129144552228136	80	-1.14280898215093	0.256658829265972	0.0166783153702059	0.451008803124427
ACC	ATM	cg18457775	-0.200460745361829	80	-1.79548105180578	0.076500479989823	0.0401845104310201	0.19671696493995
ACC	ATM	cg19288979	0.222107409100871	80	1.99891304679798	0.0491468696092127	0.0493317011775016	0.142475557085116
ACC	ATM	cg20342375	-0.394371105717479	80	-3.76580623223182	0.000322777749180689	0.155528569024827	0.00259778318019476
ACC	ATM	cg22477592	-0.0649873786111838	80	-0.571469971319251	0.569345503269496	0.00422335937875335	0.737604317901465
ACC	ATM	cg22678707	-0.224165855786584	80	-2.01841400119216	0.0470306158069311	0.0502503309005315	0.137965222145797
ACC	ATM	cg22837512	-0.306504824645326	80	-2.82556593923061	0.00600863135395048	0.093945207530862	0.0287051994319101
ACC	ATM	cg23275463	-0.354746933938564	80	-3.32942998365548	0.00133747907649552	0.125845387138812	0.008547428512026
ACC	ATM	cg23389069	-0.191370263709489	80	-1.71088802261824	0.0911278859746046	0.0366225778322394	0.222804788531913
ACC	ATM	cg24030675	-0.252946721981163	80	-2.29420556143731	0.0245051911703643	0.063982044161016	0.0849232377898843
ACC	ATM	cg24568245	-0.321148339948266	80	-2.97569085399356	0.0039042950702736	0.103136256251527	0.0203709410259466
ACC	ATM	cg25400013	-0.370035731400979	80	-3.49514437108123	0.00078932050572482	0.136926442513457	0.00550712102442661
ACC	ATM	cg25740661	0.160479408546993	80	1.42669218351491	0.157710986377867	0.0257536405675928	0.326519453739981
ACC	ATM	cg25918541	-0.0954795713269009	80	-0.841675123816487	0.40257630078088	0.00911634854076876	0.59911276624991
ACC	ATM	cg27453365	-0.0426869445902255	80	-0.374918157625531	0.708752009478655	0.00182217523844898	0.834039054658778
ACC	ATM	cg27599391	-0.111316385410281	80	-0.982906061018238	0.328732052494949	0.0123913376608103	0.528397481131288
ACC	ATR	cg00911981	-0.00507385230839215	80	-0.0445234464220128	0.964602425928874	2.57439772473764e-05	0.981419038761078
ACC	ATR	cg00969988	-0.260557057400997	80	-2.36817948835824	0.0203851223511235	0.0678899801614666	0.0738733967570366
ACC	ATR	cg11458642	0.185751373307028	80	1.65883068504395	0.101218160782202	0.0345035726854468	0.24032980099776
ACC	ATR	cg11936145	-0.0178706648366601	80	-0.156839493702809	0.875781860522937	0.000319360661704239	0.934340215710097
ACC	ATR	cg15135999	0.105141463031835	80	0.927754883485568	0.356433803358845	0.0110547272484746	0.555245625633232
ACC	ATR	cg15291273	-0.17482745195646	80	-1.55810084040714	0.123310237748823	0.0305646379575882	0.275892914450157
ACC	ATR	cg15480357	-0.0430745329984805	80	-0.378328634405047	0.706227526968569	0.00185541539303718	0.8325021112784
ACC	ATR	cg16031872	-0.0256508389784097	80	-0.225159284255801	0.822451854744913	0.000657965540296302	0.904585595761027
ACC	ATR	cg17945282	-0.214347798528371	80	-1.92565144203789	0.0578399050614353	0.0459449787339592	0.160242078858593
ACC	ATR	cg20032934	-0.244567498883456	80	-2.2132834890355	0.0298392103266823	0.0598132615101091	0.0982690512299517
ACC	ATR	cg20636078	-0.182092722897539	79	-1.61443876948891	0.110576774566382	0.03315775973224	0.255934354842673
ACC	ATR	cg24631870	-0.173769971241217	80	-1.54838197492503	0.12563087835292	0.0301960029051734	0.279381640574783
ACC	ATR	cg24856922	0.132840628972484	80	1.17609503546911	0.243180283362155	0.0176466327058052	0.435771046524237
ACC	AURKB	cg02245743	0.0465911783336678	80	0.409280392207241	0.683470160734519	0.00217073789851963	0.817696199621389
ACC	AURKB	cg04612488	0.0361820049499024	80	0.317703832003513	0.751569571550491	0.00130913748219477	0.860883844336197
ACC	AURKB	cg05617798	0.00188646715295612	80	0.0165537115405305	0.986835470400218	3.55875831918237e-06	0.99309063676284
ACC	AURKB	cg05811247	0.0177218914088333	80	0.155533391738889	0.876807847923817	0.000314065435106479	0.934798675054619
ACC	AURKB	cg11009596	-0.0297945030792357	80	-0.26156182507625	0.794357662149045	0.000887712413738584	0.887431032802797
ACC	AURKB	cg12844497	0.0504746277990677	80	0.443478343913109	0.658663403038876	0.00254768805145442	0.801379747756277
ACC	AURKB	cg13678641	0.0483615375955457	80	0.42486790964656	0.672117882799567	0.00233883831860538	0.810169800342581
ACC	AURKB	cg21724796	0.0382494766787879	80	0.335883588243475	0.737872182676643	0.00146302246620114	0.852429913168073
ACC	BAP1	cg00794529	-0.161951896345125	80	-1.4401338280435	0.153883180200703	0.0262284167297822	0.321227577227399
ACC	BAP1	cg02503646	0.101992042015269	80	0.899668112538652	0.371101922517574	0.0104023766344444	0.569798206015871
ACC	BAP1	cg03075736	-0.125764453869364	80	-1.11241100230788	0.269422468119883	0.0158166978570595	0.465375077432947
ACC	BAP1	cg05442719	0.0711187031089933	80	0.625648316709741	0.533395702512261	0.00505786993190513	0.710445413755866
ACC	BAP1	cg05908979	-0.118217939092941	80	-1.04468387032464	0.299437712925858	0.0139754811233823	0.497734181734455
ACC	BAP1	cg09096430	-0.180873528892977	80	-1.61377580661415	0.110667057107391	0.0327152334541985	0.256044285052713

ACC	BAP1	cg10449522	-0.108616205414502	80	-0.958775682401301	0.340672654987433	0.0117974800786453	0.539947937697495
ACC	BAP1	cg10956904	-0.190865256098538	80	-1.7062022274231	0.092001006071193	0.0364295459855606	0.224326164121686
ACC	BAP1	cg11234564	0.0857474259462011	80	0.755212125568995	0.45242561329359	0.00735262105639924	0.64283754014651
ACC	BAP1	cg12859382	0.00710079851231578	80	0.0623108249850511	0.950476771450277	5.0421339512506e-05	0.973809955988447
ACC	BAP1	cg16841708	0.0103862775419469	80	0.0911441317564645	0.927614759864022	0.00010787476117835	0.96181242507946
ACC	BAP1	cg24291822	-0.168326458721511	80	-1.49843945813704	0.138107762282231	0.0283337967057245	0.29843491177978
ACC	BAP1	cg24747396	0.0346619110378618	80	0.304339914204987	0.76168992801492	0.00120144807679665	0.867555471515684
ACC	BAP1	cg25749966	-0.372953318586038	80	-3.52713446059828	0.000711640300953097	0.139094177844339	0.00505490737512283
ACC	BAZ1A	cg05294307	0.0936433033355951	80	0.825343366279337	0.411726431534732	0.00876906825960228	0.607373585186554
ACC	BAZ1A	cg07414384	-0.102973426276212	80	-0.908417196690265	0.366492335301134	0.0106035265190624	0.565389430997963
ACC	BAZ1A	cg23422263	-0.214465660224869	80	-1.92676131985665	0.0576990669655231	0.0459955194156891	0.159965830916461
ACC	BAZ1A	cg26967526	0.125652724047566	80	1.11140686944214	0.269851536698838	0.0157886070605738	0.465915022572802
ACC	BAZ1B	cg00525989	0.103874725516715	80	0.916454680707899	0.362289895557266	0.0107899586011729	0.561187928297996
ACC	BAZ1B	cg04742505	0.106538497417013	80	0.94022272488773	0.350043601122977	0.0113504514318749	0.549048614504467
ACC	BAZ1B	cg05166819	0.138948629894112	80	1.23121254530007	0.221990724475629	0.0193067217494509	0.410442330399103
ACC	BAZ1B	cg06059318	-0.0766715796306718	80	-0.674776651950912	0.501838773979112	0.00587853112306244	0.685628639842959
ACC	BAZ1B	cg06394887	0.343519364139116	80	3.2096942225111	0.00193844417110462	0.118005553538542	0.0115901599080286
ACC	BAZ1B	cg14093368	0.0429782554550547	80	0.377481450929537	0.706854317736767	0.00184713044195994	0.832851568254662
ACC	BAZ1B	cg15636799	-0.381679082800993	80	-3.6235408509121	0.000519015187945037	0.145678922247807	0.00386952414547862
ACC	BAZ1B	cg19160975	-0.310503169017062	80	-2.86633023378965	0.00535249662597013	0.0964122179696379	0.0261898309655148
ACC	BAZ1B	cg20612831	0.150903049880001	80	1.33950817663508	0.18434560286642	0.0227717304630862	0.362782164914238
ACC	BAZ1B	cg21340129	-0.104429239144176	80	-0.92140077980913	0.359719160541732	0.0109054659882315	0.558540425036595
ACC	BAZ1B	cg25710357	0.147942596665452	80	1.31263532251831	0.1932049056486	0.0218870119081167	0.3741736769655
ACC	BAZ2A	cg14634319	0.245299247872583	80	2.22032896694663	0.0293373679879151	0.0601717210068547	0.0970890034990371
ACC	BAZ2A	cg18206859	0.189161712150337	80	1.69040596313352	0.0949949835413008	0.0357821533436471	0.229547112803999
ACC	BAZ2A	cg18955060	-0.349842462643813	80	-3.27692906403023	0.00157546193059189	0.122389748668688	0.00979473231267207
ACC	BAZ2A	cg25683012	0.132966888463843	80	1.17723297429867	0.242728633888359	0.0176801934277559	0.43520861401104
ACC	BRD7	cg03021120	-0.406616727942406	80	-3.9054858205941	0.000200402759048301	0.165337163442589	0.00173977594435928
ACC	BRD7	cg16433860	-0.487027348019461	80	-4.89319053952725	5.32648285826148e-06	0.237195637718869	7.52302845816256e-05
ACC	BRD7	cg16834187	-0.255421555957501	80	-2.31821060683134	0.023093980406295	0.065240171247751	0.0811863668366086
ACC	BRD8	cg01096096	0.264478083637632	80	2.40647630505296	0.0185042236639631	0.0699486567246342	0.0685572872630835
ACC	BRD8	cg03204906	-0.527063193103019	80	-5.44224374922348	6.03310156647805e-07	0.27779560952395	1.09199419093205e-05
ACC	BRD8	cg03684156	-0.0931910969503321	80	-0.82132275580297	0.413998197690211	0.00868458055080619	0.609568956016131
ACC	BRD8	cg07430605	0.438206038093682	80	4.27784094137599	5.36703715920198e-05	0.192024531821761	0.000563992015078967
ACC	BRD8	cg07632946	0.156582580904643	80	1.391166794438	0.168181597780218	0.0245181046427592	0.341265607421838
ACC	BRD8	cg08976717	0.245407332795916	80	2.22136997981801	0.0292638488893518	0.0602247589900055	0.0969180685916022
ACC	BRD8	cg11110536	0.169377838109283	80	1.50807437768857	0.135627734098605	0.0286888520425744	0.294630810266869
ACC	BRD8	cg11346339	0.270291974973523	80	2.46349778268845	0.0159901144331369	0.0730577517350878	0.0612573864205519
ACC	BRD8	cg12964860	-0.517664261822279	80	-5.30922305327609	1.0316451784496e-06	0.267976287968005	1.7561445298098e-05
ACC	BRD8	cg14473243	0.252747023770503	80	2.29227066323327	0.0246221910090943	0.063881058024847	0.0852148201513248
ACC	BRD8	cg22106577	0.333879585365278	80	3.10813979097711	0.00263767388570972	0.11147557752369	0.0148530729109592
ACC	BRD8	cg22818036	0.0538716221074104	80	0.473409017002404	0.637260827566553	0.00290215166848363	0.78662402128338
ACC	BRD8	cg23298160	-0.208215612714769	80	-1.86802620881946	0.0655628813301488	0.0433537413781865	0.175657762439647
ACC	BRD8	cg26008208	-0.00455123756730263	80	-0.0399373612003089	0.968246435452748	2.07137633940268e-05	0.983351782655271
ACC	BRD8	cg26630792	0.404525348797031	80	3.88145605367648	0.000217682280722575	0.163640757819359	0.00186276266049192
ACC	BRD8	cg27119451	0.130892506637737	80	1.15854454548798	0.25022246843634	0.0171328482939099	0.443865477007747
ACC	BRD9	cg02364331	-0.0472776494448022	80	-0.415324111129737	0.67905971951721	0.0022351761370256	0.814782010724367
ACC	BRD9	cg02822723	0.496023869386471	80	5.01272284645047	3.34354508847323e-06	0.246039679001126	4.97623391262074e-05
ACC	BRD9	cg05193570	-0.022321175605722	80	-0.195916333281129	0.845191767874556	0.000498234880421481	0.91726735835963
ACC	BRD9	cg07308931	-0.314675207289616	80	-2.9090449464116	0.00473625822696984	0.0990204860827631	0.0237573326783733
ACC	BRD9	cg09497020	-0.094289864054928	80	-0.831092895625516	0.408490906777617	0.0088905784634968	0.604480447430293
ACC	BRD9	cg10551270	-0.443211611455455	80	-4.33856791539339	4.30298933351863e-05	0.196436532528941	0.000466156179100053
ACC	BRD9	cg10600960	-0.207119839390924	80	-1.85775352409266	0.0670269292387185	0.0428986278693223	0.178620612948646
ACC	BRD9	cg13722821	-0.357756652009379	80	-3.36180333155149	0.00120804459929516	0.12798982205696	0.00786168826815856
ACC	BRD9	cg17977043	-0.441824400200029	80	-4.32168839420928	4.57631208865247e-05	0.195208800612116	0.000491291267916343
ACC	BRD9	cg20079193	0.227302749863173	80	2.04818657578969	0.0439505867341693	0.05166654009536	0.131261207939111
ACC	BRD9	cg21160852	0.399084153883776	80	3.81927648895397	0.000269263097290359	0.159268161881129	0.00223054556390226

ACC	BRD9	cg21758832	-0.301691050349562	80	-2.77670681469099	0.00689206035192868	0.091017489861022	0.0320249040149289
ACC	BRD9	cg21910709	-0.0629495676180808	80	-0.553477921694342	0.581539798552731	0.00396264806330332	0.746946473964554
ACC	BRD9	cg24953233	-0.324856545524018	80	-3.0140782685194	0.00348873283379994	0.105531775169798	0.0185968536434584
ACC	BRD9	cg25523559	-0.195335625133772	80	-1.74773064256438	0.0844970819262429	0.0381560064464014	0.211111089423199
ACC	BRD9	cg25951128	-0.340497159162195	80	-3.17773422276229	0.00213719418093271	0.115938315397525	0.0125271913887492
ACC	BRD9	cg26504197	0.0445988186072063	80	0.391742837875299	0.696330316638474	0.00198905462115849	0.825905573382327
ACC	BRDT	cg00308185	0.0995933550234582	80	0.878294829997799	0.382516194137789	0.00991883636482858	0.580875454624984
ACC	BRDT	cg01515515	-0.0650455161904002	80	-0.571983378428403	0.568999370208814	0.00423091917647562	0.737337028637249
ACC	BRDT	cg02935097	-0.261810131962204	80	-2.3804045240624	0.0197670079168105	0.0685445451980665	0.0721747213874193
ACC	BRDT	cg03421440	-0.191151531185729	80	-1.7088583044587	0.0915052527932098	0.0365389078746487	0.223480294406625
ACC	BRDT	cg06442199	-0.181523661332413	80	-1.61977364798398	0.109369625679706	0.0329508396235245	0.253888179163495
ACC	BRDT	cg09250199	0.161846496943929	80	1.4391713597217	0.154154849235117	0.0261942885730211	0.321596416815
ACC	BRDT	cg13299824	-0.038963756563596	80	-0.342165408268568	0.733158598811535	0.00151817432554717	0.849435401533168
ACC	BRDT	cg14732540	-0.00486288476148789	80	-0.0426721451529693	0.966073345710377	2.36476482035112e-05	0.982181816619244
ACC	BRDT	cg19245011	0.112276846675937	80	0.991494586617902	0.324549690696399	0.0126060902994918	0.523922671414774
ACC	BRPF1	cg04879506	-0.134094450831722	80	-1.1873979491125	0.238720804794852	0.0179813217438611	0.430483224112442
ACC	BRPF1	cg13694772	0.0380644003302962	80	0.334255996620812	0.739095100635851	0.00144889857250505	0.853023029180247
ACC	BRPF1	cg14712964	-0.0939889423338388	80	-0.828416823198036	0.409994931403164	0.00883392128103368	0.605910822446386
ACC	BRPF1	cg17738494	0.0413002630330934	80	0.36271781534727	0.717809433414834	0.0017057117266027	0.839730929233125
ACC	BRPF1	cg20952324	0.253153911849972	80	2.29621337828605	0.0243843015938535	0.0640869030849433	0.0846136026670341
ACC	BRPF1	cg25467642	-0.280199407478077	80	-2.56134255057347	0.0123811760859602	0.0785117079510652	0.0503808563882826
ACC	BRPF1	cg26227975	-0.0237482291757148	80	-0.208448653838551	0.835429079933086	0.000563978388982271	0.911827125972916
ACC	BRPF3	cg01499736	0.0222591972236661	80	0.195372069607849	0.845616311061601	0.000495471861042064	0.917538988266099
ACC	BRPF3	cg05882415	-0.054772139026114	80	-0.481346127813359	0.631635634411915	0.00299998721349596	0.782705403772607
ACC	BRPF3	cg10562781	0.0574959301318614	80	0.505360737014883	0.614749018932449	0.00330578198172789	0.770818608448417
ACC	BRPF3	cg14654948	0.0402194225068802	80	0.353209792224333	0.724896329790619	0.00161760194678695	0.844107163370787
ACC	BRPF3	cg18779695	-0.0178383570608406	80	-0.156555858503972	0.876004647564011	0.000318206982630043	0.934385407882598
ACC	BRPF3	cg23517469	-0.0837896242538019	80	-0.737845627779994	0.462851007711828	0.00702070113259331	0.652218582678536
ACC	BRWD3	cg03164831	-0.0134685387475892	80	-0.118196668875172	0.906219625006018	0.000181401535995311	0.950382851045688
ACC	BRWD3	cg05835545	-0.167270655305543	80	-1.4887692928236	0.140632551746877	0.0279794721263457	0.302245178622443
ACC	BRWD3	cg09523186	-0.0887400305683749	80	-0.781774849481593	0.436744225236964	0.00787479302527611	0.629758118627725
ACC	BRWD3	cg11957438	-0.0658367638977565	80	-0.578971391039378	0.564298352934157	0.00433447948052893	0.734011504809801
ACC	BRWD3	cg15511898	-0.10054791850548	80	-0.88679850666014	0.377948813391648	0.0101098839157847	0.576548735068672
ACC	BRWD3	cg22618269	-0.0797607862339571	80	-0.702135037563525	0.484712026663902	0.006361783020659	0.671430444688784
ACC	BRWD3	cg25063710	0.0340831277572068	80	0.299252097323593	0.765553937017665	0.00116165959771408	0.869983167275306
ACC	BRWD3	cg25708850	-0.13123540530015	80	-1.161632697698	0.248972920785323	0.0172227316042945	0.442457423259996
ACC	CARM1	cg12317676	0.0908338690157797	80	0.800372658822093	0.425957467401768	0.00825079176037582	0.620619014903655
ACC	CARM1	cg17918830	-0.30218814539849	80	-2.78174134620369	0.00679581912386787	0.091317675219379	0.0316495422008009
ACC	CARM1	cg22378614	-0.448901056348258	80	-4.40820554129155	3.33317237372431e-05	0.201512158390582	0.000373524649440376
ACC	CARM1	cg26504915	-0.263223842096853	80	-2.39421224548412	0.0190889831663917	0.0692867910482291	0.0701899303514805
ACC	CBX1	cg01544580	0.0195541996365117	80	0.1716202195019	0.864186343304957	0.000382366723424553	0.927885207302341
ACC	CBX1	cg01553295	0.0584786637462455	80	0.514027868969259	0.608704583997767	0.00341975411354645	0.766424931739456
ACC	CBX1	cg02835499	-0.121332986410332	80	-1.0726172804304	0.286793070335922	0.0147216935912498	0.484174915662168
ACC	CBX1	cg04864609	-0.182242401623252	80	-1.6264069923004	0.107949032700392	0.0332122929494108	0.251611548714475
ACC	CBX1	cg11729481	-0.167725822439966	80	-1.49293754685941	0.139539856769407	0.0281319515131631	0.300635970353364
ACC	CBX1	cg12245530	-0.0801611719513802	80	-0.705682374834334	0.482515226548264	0.00642581348861874	0.669505863203625
ACC	CBX1	cg13342109	-0.337396713665199	80	-3.14506258511408	0.00235994162544404	0.113836542392076	0.0135901472210965
ACC	CBX1	cg17778721	-0.0438651847829641	80	-0.385286287957762	0.701087608224461	0.00192415443604358	0.828730465480668
ACC	CBX1	cg21511817	0.0701171786829126	80	0.616793822416568	0.539190204894942	0.00491641874645149	0.714606138335238
ACC	CBX4	cg04398978	0.253721201368543	80	2.30171254498003	0.0240558936795463	0.064374448023897	0.0837204935761026
ACC	CBX4	cg04925705	0.088962798482885	80	0.783753008804329	0.435589319703037	0.00791437951390641	0.628768773996216
ACC	CBX4	cg05949524	-0.108130466555027	80	-0.954437132973889	0.342849212313446	0.0116921977974077	0.542105927290898
ACC	CBX4	cg07159673	0.136761545993136	80	1.21146058251541	0.22942373165553	0.0187037204624326	0.419454518928562
ACC	CBX4	cg10756274	-0.1960976640098	80	-1.75482097333515	0.0832677902185445	0.0384542938301006	0.208824451072258
ACC	CBX4	cg21365914	0.0421999508345023	80	0.3706332312534	0.711928398165399	0.00178083585043441	0.836042731904469
ACC	CBX4	cg22353329	0.195328715652804	80	1.7476663689212	0.0845082935261767	0.0381533071585741	0.211130336949179
ACC	CBX4	cg27487227	-0.00328679558159498	80	-0.0288416699661981	0.977065489884924	1.08030251951923e-05	0.987974689284562

ACC	CBX5	cg03689456	-0.433341042676008	80	-4.21929158142278	6.63096919226701e-05	0.18778445926753	0.000678392447847475
ACC	CBX5	cg05754589	-0.365962857621611	80	-3.45068707793511	0.000910680873476159	0.133928813158575	0.00620721918769326
ACC	CBX5	cg06399839	-0.388773909073298	80	-3.70276165303769	0.000398925922268605	0.151145152376133	0.00309782822888439
ACC	CBX5	cg06621757	-0.163666128147705	80	-1.45579469125295	0.14951466327799	0.0267866015028611	0.314987059944719
ACC	CBX5	cg08288469	0.136800486086376	80	1.21181209896814	0.229289890485735	0.0187143729934687	0.419337934984772
ACC	CBX5	cg09060496	-0.419654043713525	80	-4.056972198303	0.00011819421273038	0.176109516405113	0.00111249855839651
ACC	CBX5	cg09158487	-0.339727917191653	80	-3.1696172951353	0.00219062159685027	0.115415057719379	0.0127835283553649
ACC	CBX5	cg09653879	-0.371035348299534	80	-3.50609116116141	0.000761877443739031	0.137667229687756	0.00534585495248797
ACC	CBX5	cg11005091	-0.333731757928692	80	-3.10659111638033	0.00264996345436978	0.111376886250175	0.0149136408138061
ACC	CBX5	cg11338003	-0.314467040614737	80	-2.9069092631475	0.00476544460906347	0.0988895196329904	0.023868336203804
ACC	CBX5	cg12263485	-0.0729508525089973	80	-0.641851321974042	0.522875962198119	0.00532182688178948	0.702520035979352
ACC	CBX5	cg12600134	-0.262788027038986	80	-2.38995387408461	0.0192958451559886	0.0690575471550428	0.0707899541648185
ACC	CBX5	cg13445218	-0.494471027294516	80	-4.99194092385192	3.62680556060488e-06	0.244501596833694	5.35987294418115e-05
ACC	CBX5	cg14017196	-0.424750777040348	80	-4.11701143284692	9.5581841244528e-05	0.18041322259638	0.000926797177835824
ACC	CBX5	cg14394617	0.0563433440970965	80	0.495197482866997	0.621870945222004	0.00317457242404382	0.775989024757792
ACC	CBX5	cg15708001	-0.381313644692573	80	-3.61948089602873	0.000526014281570914	0.145400095628734	0.00391347964052171
ACC	CBX5	cg20545544	-0.448982796283257	80	-4.40921086778602	3.32085486184062e-05	0.201585551358333	0.000372305206977993
ACC	CBX5	cg20927027	0.0143907394827851	80	0.126291304193495	0.899830529557411	0.000207093382861389	0.947184115359405
ACC	CBX5	cg21826008	-0.313300945499587	80	-2.8949543175105	0.00493190854943701	0.0981574824509354	0.0245127072383659
ACC	CBX5	cg24505978	-0.155431052263901	80	-1.3806817279505	0.17137149507537	0.0241588120078636	0.345514424981037
ACC	CBX5	cg25817259	-0.33765414551005	80	-3.14777090992505	0.00234068364303952	0.114010321980122	0.0135022351569491
ACC	CBX6	cg03028106	0.00233893365200619	80	0.0205241156406267	0.983678366496654	5.470610628487e-06	0.99146197920873
ACC	CBX6	cg04134624	-0.234694270827472	80	-2.11860821486086	0.0373485233685815	0.0550814007592388	0.116433879415542
ACC	CBX6	cg04215348	-0.10273163858631	80	-0.906261400841117	0.367624755475024	0.0105537895666281	0.566554324625736
ACC	CBX6	cg04801716	-0.115837492257342	80	-1.02335893848927	0.309342548808888	0.0134183246124697	0.507957494132866
ACC	CBX6	cg06060673	0.257534788853534	80	2.33874680608555	0.0219443061617788	0.0663241674698344	0.0781047423502504
ACC	CBX6	cg09913544	0.26652266741436	80	2.42649657020612	0.0175839274621177	0.0710343322456658	0.0659367614474108
ACC	CBX6	cg14498989	-0.127794386274382	80	-1.13066184331814	0.261706939836652	0.016331405163246	0.457068911973765
ACC	CBX6	cg24649346	0.00930480014788426	80	0.0816528247284376	0.93513466787733	8.6579305792067e-05	0.965478856426084
ACC	CBX6	cg25836955	0.062782978567345	80	0.552007399695049	0.582541940250999	0.00394170239778771	0.74768085727211
ACC	CBX7	cg00545295	0.136559731721547	80	1.20963887480859	0.230118261508335	0.018648560327861	0.420289713006044
ACC	CBX7	cg01525244	-0.0643773671463653	80	-0.566083372815271	0.572983249728428	0.00414444540069791	0.740500505124587
ACC	CBX7	cg02523424	-0.299980117560255	80	-2.75939765494976	0.00723254726361247	0.0899880709314641	0.0332515557596289
ACC	CBX7	cg03804568	-0.263646321410069	80	-2.39834181596372	0.0188902681942384	0.0695093827930615	0.0696799205264381
ACC	CBX7	cg10339854	-0.30272126865871	80	-2.78714354368739	0.00669392014754227	0.0916401664983389	0.0312591886642597
ACC	CBX7	cg22268271	0.123539814400035	80	1.09242587303777	0.278052142897187	0.015262085741995	0.47486573290094
ACC	CBX7	cg26672614	-0.318059157772064	80	-2.94382822482137	0.00428354785561398	0.101161627842675	0.0219420768999562
ACC	CBX7	cg27062573	0.00754299953459623	80	0.0661914353588018	0.947396976709283	5.6896841978919e-05	0.971983246866634
ACC	CDYL2	cg01442398	-0.0561560912968318	80	-0.493546516846294	0.623031304468238	0.00315350658973811	0.776712272032758
ACC	CDYL2	cg02461391	-0.053777283295977	80	-0.472577586839682	0.637851321575847	0.00289199619869576	0.786985435999991
ACC	CDYL2	cg06919916	0.340607479876886	80	3.1788989018036	0.002129628693775	0.116013455348083	0.0124922586791986
ACC	CDYL2	cg10112854	0.183914775813625	80	1.64185200227482	0.104699019339667	0.0338246447625761	0.246151343529529
ACC	CECR2	cg03927893	-0.124521254077578	80	-1.10124059089834	0.274222532445505	0.0155055427170528	0.470683776948975
ACC	CECR2	cg12632097	0.0124193715211844	80	0.108987948329886	0.913495576028676	0.000154240788981206	0.954311957625298
ACC	CECR2	cg13466481	-0.0169383677181544	80	-0.148654900199591	0.882214578848618	0.000286908300955415	0.937492329243779
ACC	CECR2	cg26796679	-0.0827783820379524	80	-0.728878881068233	0.468286922866264	0.0068522605328212	0.657259021460269
ACC	CHAF1A	cg03006338	-0.152918289738494	80	-1.35782211543518	0.178485958430416	0.0233840033365459	0.355091339542638
ACC	CHAF1A	cg04346879	0.168258499235761	80	1.49781685381337	0.138269238426101	0.0283109225650706	0.298650695623114
ACC	CHAF1A	cg05297461	0.195839002822362	80	1.7524139107486	0.0836834501401296	0.038352915026457	0.209566743569577
ACC	CHAF1A	cg07783855	0.352530698786235	80	3.30566734721181	0.00144066979720418	0.124277893586711	0.00909334411389062
ACC	CHAF1A	cg09700233	-0.173838687304365	80	-1.54901334748067	0.125479074771918	0.0302198892037047	0.279147792124641
ACC	CHAF1A	cg18804734	0.180237947121738	80	1.60791431767679	0.111946937796368	0.0324857175826586	0.258099700045364
ACC	CHAF1A	cg23811775	0.204690745915683	80	1.83500717267186	0.0703665308374673	0.0418983014635188	0.185104450004055
ACC	CHAF1A	cg24085258	-0.259076957636063	80	-2.35375612074855	0.0211364448623901	0.0671208699779586	0.0759802500635264
ACC	CHAF1B	cg00660452	0.233713299576604	80	2.10924011353194	0.0381739709913511	0.0546219063989832	0.118281989058875
ACC	CHAF1B	cg02544117	0.0548365892752173	80	0.481914234007527	0.631233833445457	0.00300705152333887	0.782406909151186
ACC	CHAF1B	cg02908490	-0.130699456538688	80	-1.15680611863937	0.250927842979891	0.0170823479395084	0.444551037707582

ACC	CHAF1B	cg04634639	-0.037294274269412	80	-0.327483750310722	0.744190735042597	0.00139086289328213	0.856287147491551
ACC	CHAF1B	cg07872789	0.0781511550692982	80	0.687877461105719	0.493596959600448	0.0061076030386655	0.678893263470541
ACC	CHAF1B	cg13854874	0.0749891955056002	80	0.659885529115363	0.511296337701792	0.00562337944257713	0.693501652779587
ACC	CHAF1B	cg25942896	-0.133333236872333	80	-1.18053509281122	0.241421423826155	0.0177777520548536	0.433674423190982
ACC	CHD1	cg03255775	0.245174321550085	80	2.21912585699673	0.0294225365821843	0.0601104479475444	0.097279816858959
ACC	CHD1	cg03833628	-0.314443130204944	80	-2.90666398441952	0.00476880720638041	0.0988744821330834	0.0238821029878433
ACC	CHD1	cg08865521	-0.0887888591103473	80	-0.782208432474395	0.436490933407814	0.0078834615021171	0.629567926311322
ACC	CHD1	cg11365324	-0.261500132645333	80	-2.37737896086811	0.0199184106555928	0.0683823193735266	0.0725810500979523
ACC	CHD1	cg12662497	-0.403347340186034	80	-3.86795294020853	0.000228008845467236	0.162689076835148	0.00193793096350548
ACC	CHD1	cg16890600	0.253554721417818	80	2.300098465976	0.0241518780224727	0.0642899967532671	0.0839831574682745
ACC	CHD1	cg21082921	-0.472024097202132	80	-4.6983462816057	1.12521080125218e-05	0.222806748339487	0.000145189333343195
ACC	CHD4	cg00079216	-0.0955722984517641	80	-0.842500066897993	0.402117434104055	0.00913406423135308	0.598670385790115
ACC	CHD4	cg00824109	-0.206769514249226	80	-1.85447083006405	0.0675005207665771	0.042753632022861	0.179550554349829
ACC	CHD4	cg04344119	0.0325112160846576	80	0.285435652986004	0.776076804240609	0.0010569791713033	0.876079155310879
ACC	CHD4	cg05147525	-0.314915070299948	80	-2.91150639551546	0.00470282456113256	0.0991715015020214	0.0236216124682816
ACC	CHD4	cg11565429	-0.017202848632721	80	-0.150976725642072	0.880388905293109	0.000295938001080312	0.936524517624155
ACC	CHD4	cg19509514	-0.189910330937522	80	-1.69734563841133	0.0936699959559598	0.0360659337967991	0.227294967729286
ACC	CHD4	cg20308811	-0.265360126675254	80	-2.41510884049626	0.018102256021046	0.0704159968291067	0.0674350861897837
ACC	CHRA1	cg00296189	-0.570561379516965	80	-6.09634768646831	4.02761347572927e-08	0.325540287796302	9.65262362079122e-07
ACC	CHRA1	cg07270064	-0.54344956728362	80	-5.68085898294985	2.27579121439876e-07	0.295337432180754	4.54538900469672e-06
ACC	CHRA1	cg08877624	-0.313114363717118	80	-2.89304280860343	0.00495901682894007	0.0980406047659758	0.0246128464457422
ACC	CHRA1	cg12002314	-0.0290000394520461	80	-0.254581387706635	0.799725113983864	0.000841002288220231	0.890600886355656
ACC	CHRA1	cg18770186	0.0898658042258307	80	0.791772837195928	0.430925555118266	0.00807586276915533	0.624965086780545
ACC	CHRA1	cg19486048	0.244557120856845	80	2.21318359554185	0.0298463794112488	0.0598081853617896	0.0982885001870502
ACC	CHRA1	cg22610305	-0.0854183040591643	80	-0.752292069906182	0.454169054021934	0.00729628666834385	0.64446723799468
ACC	CHRA1	cg23548819	-0.401790187985799	80	-3.85013905689643	0.000242350897754849	0.161435355161663	0.00203953329077679
ACC	CLOCK	cg05960024	-0.203750075580715	80	-1.82620814462023	0.0716952091159623	0.0415140932991469	0.18760998008568
ACC	CLOCK	cg06085476	-0.068637446321584	80	-0.603714906317784	0.547807663980548	0.00471109903754832	0.721085438438287
ACC	CLOCK	cg07236904	-0.101080928738322	80	-0.891547873994881	0.375412867478877	0.0102173541546018	0.574040037493458
ACC	CLOCK	cg07500410	-0.084415041163075	80	-0.743392384982763	0.459506432455827	0.00712589917456364	0.649411270895968
ACC	CLOCK	cg11774413	-0.194755757017068	80	-1.74233751111254	0.0854421123389016	0.037929804891291	0.212810479041572
ACC	CLOCK	cg18928811	0.053137452032803	80	0.46693893700394	0.641862143142935	0.00282358880853844	0.789630463145797
ACC	CLOCK	cg22523077	-0.0241466374867332	80	-0.211947682149248	0.832707875262637	0.000583060101915711	0.910232945375207
ACC	CLOCK	cg23506964	-0.119546638721107	80	-1.05659477598336	0.29400033237752	0.0142913988295148	0.491774788358492
ACC	CREBBP	cg00039463	-0.184212442200821	80	-1.64460260683998	0.104128617992657	0.0339342238615907	0.245204676962125
ACC	CREBBP	cg00747661	0.04619000631718	80	0.405748727438565	0.686052534569869	0.00213351668358113	0.819266852299599
ACC	CREBBP	cg03039399	-0.104010277779716	80	-0.917663687212615	0.361660433367657	0.0108181378838137	0.560570068806606
ACC	CREBBP	cg03264209	0.0102194210199774	80	0.0896797385543081	0.928774577562822	0.000104436565983556	0.962340907690556
ACC	CREBBP	cg08506924	0.0992362342448146	80	0.875114069917893	0.384233429920503	0.0098478301870917	0.582376484573815
ACC	CREBBP	cg24567591	-0.0209551853561066	80	-0.183921391426812	0.854558616058078	0.000439119793308786	0.922430039928155
ACC	CTCF	cg01866162	-0.278131432026408	80	-2.54084756508238	0.0130697339663024	0.0773570934810601	0.0525396281611476
ACC	CTCF	cg04487155	-0.16561539416728	80	-1.47361925121527	0.144660666490566	0.0274284587851834	0.308118822937441
ACC	CTCF	cg06241380	-0.395450426521181	80	-3.77801993303109	0.000309725997377698	0.156381039835784	0.00250982773096057
ACC	CTCF	cg07967402	-0.0619497808697537	80	-0.544653254025877	0.587565986856077	0.0038377753498105	0.751350024546853
ACC	CTCF	cg08324636	0.267148287173	80	2.43262957582379	0.0173103056564006	0.0713682073394675	0.0651620012694294
ACC	CTCF	cg10218542	-0.371632679209531	80	-3.51263926524625	0.000745895969359282	0.138110848256454	0.00525742783730506
ACC	CTCF	cg10481400	0.00739387641673285	80	0.0648827758173364	0.948435489717448	5.46694084659182e-05	0.972602397636192
ACC	CTCF	cg23858565	-0.126358199928511	80	-1.11774781083552	0.267150047106441	0.0159663946891734	0.462842890568378
ACC	CXXC1	cg02159718	-0.0268550685503013	80	-0.235737291725409	0.814262412261438	0.000721194706841383	0.900077157302333
ACC	CXXC1	cg07675399	0.0717803667987647	80	0.631499138103689	0.529584530371344	0.00515242105776521	0.707719907163492
ACC	CXXC1	cg11871295	0.228499958424971	80	2.05956706358951	0.0428199802417669	0.0522122310002137	0.128709769441985
ACC	CXXC1	cg13423076	-0.268833708880008	80	-2.44916842503741	0.01659131124494	0.0722715630301811	0.0630165250946616
ACC	CXXC1	cg15632775	0.353970088436129	80	3.32109331625492	0.00137286325688455	0.125294823507481	0.00873909861763169
ACC	CXXC1	cg20016845	-0.0498275693111686	80	-0.43777893981311	0.66277211155963	0.00248278666345931	0.80389647267199
ACC	CXXC1	cg27419474	-0.126154376096417	80	-1.11591562977469	0.267928672996262	0.0159149266082762	0.463622134800695
ACC	DAXX	cg00221327	-0.174566945110184	80	-1.55570611550813	0.123878850564924	0.0304736183251021	0.276727388394765
ACC	DAXX	cg02173004	-0.282951618837385	80	-2.58867885445347	0.0115137829306842	0.080061618602697	0.0476101300077855

ACC	DAXX	cg02328295	-0.0145451948395738	80	-0.12764707011813	0.898761058650979	0.000211562692921165	0.946503557556441
ACC	DAXX	cg03085224	-0.274259802049709	80	-2.50257982945269	0.0144484414900092	0.0752184390203456	0.0567248073315054
ACC	DAXX	cg03369465	-0.261094290240539	80	-2.37341917193656	0.0201181220798202	0.0681702283962106	0.0731682650340129
ACC	DAXX	cg03382121	0.0864468958784638	80	0.761418834559351	0.4487326873581	0.00747306580702196	0.640033564598585
ACC	DAXX	cg03902329	0.0400583952310627	80	0.351793361903808	0.725954156932979	0.00160467502848803	0.844749419398153
ACC	DAXX	cg04086445	-0.346761281527881	80	-3.24410342684241	0.00174387902236987	0.120243386366858	0.0106335887024801
ACC	DAXX	cg04152866	-0.0462112901294699	80	-0.405936091706732	0.685915438461896	0.00213548333543004	0.81919808434077
ACC	DAXX	cg04271391	0.126276037681018	80	1.1170092336187	0.267463730770018	0.0159456376924179	0.463213194227895
ACC	DAXX	cg04488476	0.0648888511289955	80	0.570599898384453	0.569932330160149	0.00421056300084094	0.738078191575348
ACC	DAXX	cg04973788	-0.1430632320607	80	-1.26842232897286	0.208468689464356	0.0204670883676537	0.393688722342819
ACC	DAXX	cg05431670	-0.249834395446628	80	-2.26408528124862	0.0263833061281328	0.0624172251481819	0.0896741924559579
ACC	DAXX	cg05532204	-0.251002517946969	80	-2.27538122360551	0.025664591923889	0.0630022640157185	0.087911200040818
ACC	DAXX	cg06171013	-0.185291230472035	80	-1.65457514773676	0.102081655161082	0.0343328400898407	0.241738159617704
ACC	DAXX	cg07689821	-0.348696918416663	80	-3.26471085190598	0.00163628219893446	0.121589540913277	0.0101003399129389
ACC	DAXX	cg08375286	0.185993203610392	80	1.6610676562802	0.100766639263597	0.0345934717892567	0.239551285459878
ACC	DAXX	cg08567382	-0.196295922754973	80	-1.75666619763808	0.0829503063332384	0.0385320892902262	0.208269950002838
ACC	DAXX	cg09097215	-0.196506986547789	80	-1.75863084673192	0.0826133744856664	0.0386149957620931	0.207671982897791
ACC	DAXX	cg09432361	0.0630860429517476	80	0.55468265720793	0.580719399871872	0.00397984881530974	0.746452445640983
ACC	DAXX	cg09615909	-0.252357012483847	80	-2.28849270256008	0.0248520605312538	0.0636840617497725	0.0858270974415501
ACC	DAXX	cg11111423	-0.346954079831919	80	-3.24615390089859	0.00173288297589028	0.120377133512014	0.0105804422213792
ACC	DAXX	cg12025215	0.239123421358695	80	2.16099164435975	0.0338047219666539	0.0571800106422879	0.107911552756417
ACC	DAXX	cg12832355	-0.253812761697902	80	-2.30260034627679	0.0240032427342561	0.064420918000716	0.0835896085441926
ACC	DAXX	cg12923297	-0.324025182178522	80	-3.00545856384184	0.00357830480412678	0.104992318685824	0.0189755040171942
ACC	DAXX	cg13443893	0.106576314118157	80	0.940560298196489	0.349871619656545	0.0113585107310122	0.548925702515736
ACC	DAXX	cg13826470	-0.340401468184658	80	-3.17672411317128	0.002143775955851	0.11587315954227	0.01256103839041
ACC	DAXX	cg14539675	-0.0328026981650049	80	-0.287997495012912	0.774122423318411	0.00107601700690442	0.874888569596893
ACC	DAXX	cg14622330	-0.121537169723506	80	-1.07444935698814	0.285976778381018	0.0147712836244004	0.483261204763224
ACC	DAXX	cg14746369	-0.0712218433997969	80	-0.626560289304107	0.532800723099659	0.00507255097726519	0.7099933101426
ACC	DAXX	cg14910283	-0.209714286417443	80	-1.88208792895396	0.063602485194865	0.0439800819275773	0.171760049059233
ACC	DAXX	cg16922466	0.0283209840065081	80	0.248615350542085	0.804320233430045	0.000802078135096887	0.893565880852544
ACC	DAXX	cg17079757	0.154851793711995	80	1.37540956196308	0.172992809750943	0.0239790780158222	0.347872683703791
ACC	DAXX	cg17504991	0.146524515008801	80	1.29977583060587	0.197555526969995	0.0214694334985645	0.379894565940028
ACC	DAXX	cg18187593	-0.0379831248385983	80	-0.333541257573847	0.739632344555132	0.00144271777250455	0.853326589632383
ACC	DAXX	cg18279148	-0.33668877982095	80	-3.13761883372528	0.00241363617581019	0.11335933445732	0.0138348373608148
ACC	DAXX	cg18486541	0.0898327357672117	80	0.791479113032396	0.431095841667718	0.00806992041542168	0.625101023424016
ACC	DAXX	cg18944910	-0.26146013032268	80	-2.37698859964186	0.0199380197742816	0.068361399748353	0.0726286903128142
ACC	DAXX	cg18967278	-0.0743022889698111	80	-0.653807216777806	0.515183863708806	0.00552083014615331	0.696564184670088
ACC	DAXX	cg20223162	-0.359727792678096	80	-3.38307045866129	0.00112953611129808	0.129404084825055	0.00742970594760486
ACC	DAXX	cg20763184	-0.0956132137258532	80	-0.842864075000752	0.401915059835647	0.00914188663898569	0.598472172208375
ACC	DAXX	cg21286626	0.110385760137804	80	0.974586991873654	0.332817016039201	0.0121850160412008	0.532499011676887
ACC	DAXX	cg24328964	-0.158627646354301	80	-1.40980218928373	0.162624557146186	0.0251627301879051	0.333251186645691
ACC	DAXX	cg24496586	-0.197041286091136	80	-1.76360541466648	0.0817653049311706	0.0388252684244487	0.206180609177916
ACC	DAXX	cg24513883	-0.295060246589613	80	-2.70978650916657	0.00829545984113349	0.0870605491175231	0.0369481852101877
ACC	DAXX	cg24728112	-0.203271605335202	80	-1.82173456161071	0.0723787293761969	0.04131934553555	0.188859566610928
ACC	DAXX	cg25642825	-0.24639149711398	80	-2.23085295605555	0.0286015440298041	0.0607087698500686	0.0952653302902821
ACC	DAXX	cg26521092	-0.345821646039916	80	-3.23411677309263	0.0017983755482235	0.119592610869757	0.0108984051880111
ACC	DAXX	cg27052777	-0.312081219541746	80	-2.8824650779352	0.00511152553841461	0.0973946875906635	0.025222781834749
ACC	DAXX	cg27393652	-0.0404607471264558	80	-0.355332586780662	0.723311973888006	0.001637072058031	0.843251535264181
ACC	DIDO1	cg00080059	-0.0971449559300968	80	-0.856494539341519	0.394381969000432	0.00943714246266045	0.591136026211819
ACC	DIDO1	cg01488865	-0.209882855121153	80	-1.88367043724757	0.0633849846334025	0.0440508128738068	0.171315411686444
ACC	DIDO1	cg06646488	-0.115379747559621	80	-1.01926035152988	0.311271238323448	0.0133124861469219	0.510185322886137
ACC	DIDO1	cg08610063	-0.127995411098001	80	-1.13247001167935	0.260951099889464	0.0163828252621463	0.456220191581476
ACC	DIDO1	cg13815390	0.296747487688101	80	2.72677346828029	0.00791644525600655	0.0880590714491994	0.0356437054199429
ACC	DIDO1	cg20969846	-0.0421897963224265	80	-0.370543887274781	0.711994682796441	0.00177997891372784	0.836084324862129
ACC	DIDO1	cg21212389	-0.00678951498228769	80	-0.0595791254178406	0.952645203656482	4.6097513694709e-05	0.975031922660075
ACC	DIDO1	cg21687703	0.333986256381883	80	3.10925746165712	0.00262883758509141	0.111546819451985	0.0148183313596552
ACC	DIDO1	cg22394521	-0.340902735521663	80	-3.18201670882052	0.00210949916807745	0.116214675086153	0.0124041102253528

ACC	DMAP1	cg01604592	0.116880571387878	80	1.03270100775761	0.304976559475695	0.0136610679679569	0.503466311600293
ACC	DMAP1	cg11683482	0.00661125620682074	80	0.0580148056607502	0.953887127918608	4.37087086322257e-05	0.975563901850235
ACC	DMAP1	cg15990015	-0.112475195288467	80	-0.993268586411696	0.323690224601434	0.0126506695551787	0.523122948088305
ACC	DMAP1	cg18017761	0.140578316649983	80	1.24594247721204	0.21656316926315	0.0197622631121428	0.403818676645673
ACC	DMAP1	cg18167340	-0.0970120914028354	80	-0.855311980211102	0.395032058381381	0.00941134587835209	0.591631672212254
ACC	DMAP1	cg21437596	0.0580343844281481	80	0.510109402742358	0.611433972551891	0.00336798977595407	0.768394010963957
ACC	DMAP1	cg23021241	-0.00256513978092427	80	-0.0225090842806507	0.98210009470274	6.57994209568019e-06	0.990670436940716
ACC	DMAP1	cg23451311	0.0362087120571774	80	0.317938647216109	0.751392131411829	0.00131107082883959	0.860766606356327
ACC	DMAP1	cg24485408	-0.187692384374604	80	-1.67679421022309	0.0976383214315457	0.0352284311522243	0.234051569267731
ACC	DNMT1	cg04160663	-0.103614099335324	80	-0.914130270274983	0.363502050741011	0.0107358815810705	0.562438413129921
ACC	DNMT1	cg04762346	-0.243274802876088	80	-2.20084687991376	0.030743439163493	0.0591826297143997	0.100468603498625
ACC	DNMT1	cg06128182	0.0196302834237693	80	0.172288236622612	0.863662966059384	0.000385348027297513	0.927572642427917
ACC	DNMT1	cg06716436	0.00656496301862057	80	0.0576085581344362	0.954209669435302	4.30987394358557e-05	0.975701242131492
ACC	DNMT1	cg10635912	-0.149838671628206	80	-1.32984231624087	0.187496216579685	0.0224516275153054	0.366825457651586
ACC	DNMT1	cg11380607	0.028179467118415	80	0.247372056819815	0.805278708859128	0.000794082367077834	0.894238125429834
ACC	DNMT1	cg13393778	-0.279686730136532	80	-2.55625799174922	0.0125488738838439	0.0782246670144655	0.05092531381884
ACC	DNMT1	cg15043801	0.090346448612862	80	0.79604236620617	0.428454791416432	0.00816248077695651	0.622652519912759
ACC	DNMT1	cg21893394	-0.0313509549830532	80	-0.275238810428747	0.783870004388959	0.000982882378349427	0.880757276588506
ACC	DNMT1	cg23401624	-0.0180792785677459	80	-0.158670959320819	0.874343540967517	0.000326860313530157	0.933472232499887
ACC	DNMT1	cg24477899	-0.0854304652871345	80	-0.75239996308888	0.454104566966922	0.0072983643991763	0.644395557885039
ACC	DNMT1	cg27429799	0.0613661720232356	80	0.539502763916953	0.591096714433859	0.00376580706878534	0.753881857870478
ACC	DNMT3A	cg02208653	-0.0521012916275927	80	-0.457808771989964	0.648379116329967	0.00271454458926346	0.79415569757492
ACC	DNMT3A	cg03463641	0.15335542903568	80	1.36179699611677	0.177233037516583	0.0235178876147174	0.353466478338889
ACC	DNMT3A	cg06112956	-0.0168385543946302	80	-0.147778666986909	0.882903735814794	0.000283536914100919	0.937827537944457
ACC	DNMT3A	cg07150430	0.118663667126046	80	1.04867888701796	0.297606396045423	0.014081065895801	0.495737088563475
ACC	DNMT3A	cg12066181	-0.129124069473082	80	-1.1426246553198	0.256734913244956	0.0166730253172893	0.451048686562288
ACC	DNMT3A	cg13076778	0.00122150207512125	80	0.0107186452047877	0.991475645037207	1.49206731952553e-06	0.995493114974775
ACC	DNMT3A	cg13344237	-0.0148473504896785	80	-0.130299334426929	0.896669412730438	0.000220443816563358	0.945222096722834
ACC	DNMT3A	cg15990840	-0.186524619327226	80	-1.66598444080205	0.0997799612226017	0.0347914336151667	0.237887903872236
ACC	DNMT3A	cg15998962	-0.0726006732746428	80	-0.638753937152223	0.524878499038038	0.00527085775993143	0.703958312429576
ACC	DNMT3A	cg21629895	-0.182538767247853	80	-1.6291429723521	0.107367451729062	0.0333204015483658	0.250676576825049
ACC	DNMT3A	cg21708767	0.015137032978434	80	0.132842145233341	0.894664771813839	0.000229129767390198	0.944029938671375
ACC	DNMT3A	cg22731525	0.120889911566646	80	1.06864217570318	0.288569711979129	0.0146143707185915	0.48610883639818
ACC	DNMT3A	cg25044635	-0.126544527683002	80	-1.11942284477849	0.266439593791372	0.016013517486514	0.462128818322617
ACC	DNMT3A	cg26470599	-0.42423751812468	80	-4.11094384209485	9.76627785442301e-05	0.179977471784589	0.000944619942070103
ACC	DNMT3A	cg26995204	-0.161380317542131	80	-1.43491498803375	0.155360722197825	0.0260436068899992	0.323283994771204
ACC	DNMT3B	cg00300969	0.0970745467107225	80	0.855867857175926	0.394726393361038	0.00942346761909224	0.59142894414553
ACC	DNMT3B	cg13636640	0.0139836188516661	80	0.122717756229797	0.902650340462179	0.000195541596188671	0.948530579521868
ACC	DNMT3B	cg14224313	0.132909145964681	80	1.1767125512804	0.242935115819924	0.0176648410810608	0.435480480761967
ACC	DNMT3B	cg16523653	0.0425913654070903	80	0.374077161218906	0.709375029719478	0.00181402440724028	0.834418789494331
ACC	DNMT3B	cg16953106	0.203671191329106	80	1.82547050174393	0.0718075411819223	0.0414819541774172	0.187783913496923
ACC	DNMT3B	cg17475857	0.0741807942543078	80	0.652732229549657	0.515873021986768	0.00550279023619995	0.697044993664375
ACC	DNMT3B	cg17721173	-0.0769548241318115	80	-0.677284273072989	0.500255484889674	0.00592204495715803	0.684204630733791
ACC	DNMT3B	cg22605822	0.0250177377964083	80	0.2195984909158	0.826764977887541	0.000625887204449836	0.906964037083598
ACC	DNMT3B	cg24403338	0.0897583173409382	80	0.790818115459333	0.431479200425227	0.00805655553187657	0.625402169222148
ACC	DNMT3B	cg25803642	0.0207523430007063	80	0.182140295255799	0.855951291768347	0.000430659740018963	0.92333118116154
ACC	DNMT3L	cg09247319	-0.189223305923857	80	-1.69097682009129	0.0948854154401315	0.0358054595047537	0.229360718663568
ACC	DNMT3L	cg15635600	0.190396094703842	80	1.70185029709403	0.0928180417601221	0.0362506728784744	0.225822884775197
ACC	DNMT3L	cg27187798	-0.112289507213701	80	-0.991607816951613	0.324494787734	0.0126089334302959	0.523881366309277
ACC	DPF1	cg06168449	-0.163231764807489	80	-1.45182516327788	0.150612709541943	0.0266446090421672	0.316498247598755
ACC	DPF1	cg06615189	-0.0403622524526711	80	-0.354466178007176	0.723958475850186	0.00162911142305316	0.843600978424491
ACC	DPF1	cg07480327	-0.216922318327126	80	-1.94991530711543	0.054826566402989	0.0470552921884151	0.154272720611789
ACC	DPF1	cg08057062	-0.00126356182116604	80	-0.0110877188332659	0.991182139082601	1.59658847590843e-06	0.99526328916156
ACC	DPF1	cg13322582	0.0756676791004778	80	0.665890235701609	0.507471278851019	0.00572559766045289	0.690214883069674
ACC	DPF1	cg13917712	-0.128541127532885	80	-1.13737931166001	0.258906710467589	0.0165228214674255	0.453594014821089
ACC	DPF1	cg17121541	-0.130728996874414	80	-1.15707212232041	0.250819819188872	0.0170900706237907	0.444430507789248
ACC	DPF1	cg22145401	-0.165795350238624	80	-1.47526570483243	0.144218586196765	0.0274880981607479	0.307429733506636

ACC	DPF1	cg27400772	0.00209992570317461	79	0.0183067682217756	0.985442104123701	4.40968795885338e-06	0.992381657581867
ACC	DPF2	cg02186298	0.179006801151204	80	1.59656630540436	0.114458641103601	0.0320434348583868	0.262096238954862
ACC	DPF2	cg14699126	-0.0385743835689107	80	-0.338740956306797	0.735726888800258	0.00148798306772145	0.851001765378241
ACC	DPF2	cg15918224	-0.121802597451027	80	-1.07683116858349	0.284917944145874	0.0148358727458169	0.482139499421624
ACC	DPF2	cg15929437	-0.278691647674183	80	-2.54639586886711	0.0128800009865679	0.0776690344833508	0.0519783574596184
ACC	DPF2	cg18224556	-0.0365410028004622	80	-0.320860283334478	0.749185495409234	0.00133524488566339	0.859491762717386
ACC	DPF2	cg19517014	-0.124994017907814	80	-1.105487849429	0.27239045961085	0.015623504512739	0.468761053311944
ACC	DPF3	cg00888802	0.409826487451139	80	3.94250902780008	0.000176325610617241	0.167957749816538	0.00156177553823951
ACC	DPF3	cg05151458	0.339969168008422	80	3.17216216289009	0.00217373786219169	0.115579035196339	0.012701198982375
ACC	DPF3	cg07171024	-0.148083972291178	80	-1.31391780162554	0.192774983219204	0.0219288628495342	0.373601480893718
ACC	DPF3	cg10266394	0.305132616774264	80	2.81161409053668	0.00624965285361075	0.0931059138195099	0.0296201714447298
ACC	DPF3	cg12913429	-0.0541183312073952	80	-0.47558382557063	0.635717671308683	0.00292879377267333	0.785485594690545
ACC	DPF3	cg13819165	0.0327460304661892	80	0.287499435696915	0.774502269520404	0.00107230251129259	0.875034462497555
ACC	DPF3	cg14238615	0.247064594834578	80	2.23734285935998	0.0281558998339632	0.0610409140207743	0.094196880904973
ACC	DPF3	cg14242696	-0.0169354604242413	80	-0.148629377817838	0.882234650905844	0.000286809819781045	0.937500852810748
ACC	DPF3	cg15392845	0.0613945270064281	80	0.539752990663586	0.590924951086224	0.00376928794634303	0.753767019704569
ACC	DPF3	cg15740492	0.110793842333577	80	0.978234609792583	0.331021807024588	0.0122752754990375	0.530675207611857
ACC	DPF3	cg16696021	0.444392779456198	80	4.35297087667685	4.0823091927923e-05	0.197484942432805	0.00044597551094521
ACC	DPF3	cg19710444	0.0583637407563911	80	0.513014238919563	0.609410092709463	0.00340632623507923	0.766940851771252
ACC	DPF3	cg19839347	0.209125255505103	80	1.87655953537109	0.0643672495798167	0.0437333724900746	0.173289929879992
ACC	DPF3	cg20548765	0.0582967340373598	80	0.512423243695136	0.60982160933023	0.00339850919942266	0.767184599640089
ACC	DPF3	cg21035356	0.0329280963974473	80	0.289099645262221	0.773282061735705	0.00108425953235958	0.874232343362702
ACC	DPF3	cg22784589	0.0825043313491171	80	0.726449248449743	0.469766023244611	0.00680696469136491	0.658503667086352
ACC	DPF3	cg23515460	0.1022527285432	80	0.901991884476668	0.369874044374542	0.0104556204945294	0.568536237702792
ACC	DPF3	cg24383902	-0.232365558710381	80	-2.09638053037649	0.0393327889258021	0.0539937528747873	0.121005601165573
ACC	DPF3	cg25495195	0.0691089779566631	80	0.607882195979272	0.545054392184344	0.00477605083421454	0.719079508633454
ACC	DPF3	cg26057784	-0.00818306240979298	80	-0.0718084855042192	0.942940511209562	6.6962510402567e-05	0.969613161617848
ACC	EED	cg00080012	-0.107529713142498	80	-0.949072246492755	0.34555316396218	0.0115626392085079	0.544853111947663
ACC	EED	cg01739327	0.151964821109277	80	1.34915511177746	0.181241163646824	0.0230933068547745	0.358518958596919
ACC	EED	cg02172616	-0.269906261371414	80	-2.45970587221708	0.0161472765106057	0.0728493899274942	0.061746029731914
ACC	EED	cg04607174	-0.477154363312281	80	-4.76436008233346	8.74759598754843e-06	0.227676286427948	0.00011618755032531
ACC	EED	cg06358433	-0.192866126402337	80	-1.72477592094234	0.0885799371359504	0.0371973427134422	0.218435592276734
ACC	EED	cg10086030	-0.405658962792032	80	-3.8944720965319	0.000208152951013817	0.164559194093507	0.00179498252626716
ACC	EED	cg10535675	-0.572901028536499	80	-6.13352307584927	3.44301483816694e-08	0.328215588498179	8.34670914055342e-07
ACC	EED	cg12672785	0.408507054686881	80	3.92726878467255	0.000185880495908648	0.166878013728951	0.00163154544722073
ACC	EED	cg16265078	-0.39465921577546	80	-3.76906470444982	0.000319245268844843	0.155755896596501	0.00257494727262993
ACC	EED	cg18574463	-0.0499317120182266	80	-0.438696209450678	0.662110147437359	0.00249317586507112	0.803422139878365
ACC	EED	cg19325359	-0.44159311904655	80	-4.31887792980753	4.6234212452076e-05	0.195004482789261	0.000495555845067071
ACC	ELP3	cg01209934	0.0858464820575163	80	0.756091026072805	0.45190161509247	0.00736961848165148	0.642456766164174
ACC	ELP3	cg02516513	0.0136615925058865	80	0.119891176427525	0.904881623690048	0.000186639109796894	0.949594110875931
ACC	ELP3	cg04720865	-0.185351011511074	80	-1.65512795673255	0.101969147552986	0.0343549974681782	0.241604113688575
ACC	ELP3	cg05621091	-0.405187701628829	80	-3.88905851715374	0.000212066810320396	0.164177073551253	0.00182172321577572
ACC	ELP3	cg15692687	-0.286578357027764	80	-2.62480769298407	0.0104518073537137	0.0821271547167327	0.0441224170433473
ACC	ELP3	cg17572663	-0.00011216462830457	80	-0.0009842406250890	0.999217235232148	1.25809038427026e-08	0.999615570356721
ACC	ELP3	cg18022570	-0.128900555054183	80	-1.14061331819714	0.257566163900592	0.0166153530932763	0.452080279646285
ACC	ELP3	cg18249244	-0.427701383568778	80	-4.15198694748982	8.43938942497244e-05	0.182928473506647	0.000831371230753838
ACC	ELP3	cg19781013	-0.00942309873491651	80	-0.0826910271654595	0.934311806128179	8.87947897679851e-05	0.965090391379119
ACC	ELP3	cg22414525	0.246220937960035	80	2.22920899753106	0.0287154087385346	0.0606247502899196	0.0955428128568309
ACC	ELP3	cg22487209	-0.479334485666163	80	-4.79260283603525	7.85031284234046e-06	0.229761549148845	0.000105805134659916
ACC	ELP3	cg25374552	0.274378752828745	80	2.5037535829394	0.0144042807048586	0.0752837000038573	0.0565999905623685
ACC	ELP4	cg04972224	-0.157159131586286	80	-1.39641866967378	0.166600986343078	0.0246989926409557	0.339084813508421
ACC	ELP4	cg05195750	0.140705989604582	80	1.24709688454393	0.216141953865239	0.0197981755106048	0.403392172276326
ACC	ELP4	cg05635455	-0.218066015401382	80	-1.96070787419326	0.0535297334213262	0.0475527870730358	0.151649383895799
ACC	ELP4	cg08111895	0.0184688629284172	80	0.162091261405583	0.871658584593907	0.000341098897868662	0.93191424234372
ACC	ELP4	cg08626560	-0.0656499837367242	80	-0.577321718032608	0.565406410122091	0.00430992036463215	0.734789366516395
ACC	ELP4	cg09616795	0.287221615662559	80	2.63122847847734	0.0102726494488525	0.0824962565038108	0.0435219742524795
ACC	ELP4	cg10583382	-0.225602079053961	80	-2.03203707046223	0.0455990262482325	0.0508962980734694	0.134895567201499

ACC	ELP4	cg11385473	-0.00720228641400311	80	-0.0632014460340138	0.949769873516411	5.18729295893338e-05	0.973367728570581
ACC	ELP4	cg13263383	-0.235415969452498	80	-2.12550468016144	0.0367507977993814	0.0554206786732594	0.115003683186045
ACC	ELP4	cg19328333	-0.0689111287214835	80	-0.588461549733239	0.557944759104219	0.00447709914678293	0.72914854505029
ACC	ELP4	cg24001477	0.216066893212372	80	1.94184854697379	0.0558132247604786	0.0466849023424468	0.156156590793622
ACC	ELP4	cg24531794	-0.0702803001562023	80	-0.618235853596011	0.538244332080197	0.00493932059004589	0.713969675684125
ACC	ELP4	cg25130734	-0.191367999003942	80	-1.71086700603475	0.0911317868482579	0.0366217110427729	0.222807323488274
ACC	EP300	cg00500400	-0.275537291415225	80	-2.51519203931696	0.0139802379720144	0.0759207989604384	0.0552996711646356
ACC	EP300	cg02046995	0.254021983326746	80	2.30462928146572	0.0238832992908151	0.0645271680132537	0.0832837592464777
ACC	EP300	cg07519229	0.00393446606232833	80	0.0345250668057857	0.972547797724171	1.54800231956134e-05	0.985558207323099
ACC	EP300	cg08131204	0.225254308300072	80	2.0287370692563	0.0459423289454758	0.0507395034077437	0.135633295103038
ACC	EP300	cg09331127	-0.185517967324516	80	-1.65667193628977	0.101655449995411	0.0344169162002201	0.241081122974819
ACC	EP300	cg24349919	-0.0128431133228033	80	-0.112707157686786	0.910556046230715	0.000164945559822367	0.952606200382898
ACC	EPC1	cg02900516	-0.421888656164961	80	-4.08323777385453	0.000107731791811364	0.177990038200676	0.00102681781575267
ACC	EPC1	cg16942190	-0.316949265080742	80	-2.93240605827656	0.0044275998628367	0.100456836635223	0.0225154074865681
ACC	EPC1	cg26211455	-0.23022088617744	80	-2.075943236399	0.0412371070013432	0.0530016564323257	0.125141388806807
ACC	EPC2	cg00066942	-0.0424425788486485	80	-0.372768016270245	0.710345254320973	0.00180137249932375	0.834995386106653
ACC	EPC2	cg03664802	-0.0709007478728597	80	-0.623721209841674	0.534654090334563	0.00502691604893082	0.711317707377542
ACC	EPC2	cg04098458	-0.00060961586890101	80	-0.0053493585335906	0.995745684805916	3.71631507615936e-07	0.997823575378599
ACC	EPC2	cg05586854	-0.0368316917977147	80	-0.3234162272454	0.747256771997949	0.00135657352068185	0.858087766892588
ACC	EPC2	cg10458926	-0.136860453566445	80	-1.21235344312361	0.229083882542688	0.0187307837504129	0.419058510447409
ACC	EPC2	cg11721798	0.119489702404093	80	1.0560842622652	0.294231990597169	0.0142777889806187	0.491993024600553
ACC	EPC2	cg12432635	0.183089708254074	80	1.63423035586342	0.106292766638864	0.0335218412685618	0.248727312013952
ACC	EPC2	cg16434205	0.058734004141203	80	0.516280065327296	0.607138334733716	0.00344968324245885	0.76529513120007
ACC	EPC2	cg21347644	-0.0454522042858819	80	-0.39925409725076	0.690811197489607	0.00206590287444554	0.822292434869065
ACC	EPC2	cg21650422	0.0618915418793439	80	0.544139255659879	0.587917892153666	0.00383056295620258	0.7516761085725
ACC	EZH1	cg00728999	-0.272369338083255	80	-2.48394219373936	0.0151661540012619	0.0741850563279107	0.0588916733739725
ACC	EZH1	cg01716316	0.102141321399703	80	0.900998773023831	0.370398487926854	0.0104328495372775	0.569068430330437
ACC	EZH1	cg03623386	-0.332602909857157	80	-3.09477353262272	0.00274551420010398	0.110624695645448	0.0153448187141957
ACC	EZH1	cg05375741	-0.259706852743137	80	-2.35989218079254	0.0208138578952591	0.0674476493617455	0.075073871527438
ACC	EZH1	cg05979501	-0.24919157286851	80	-2.25787357968501	0.0267860391136603	0.0620964399886819	0.0907061823361377
ACC	EZH1	cg06975499	-0.145031257803375	80	-1.28624347974033	0.20221228392968	0.0210340657400291	0.385730320049171
ACC	EZH1	cg12812489	-0.171932788944743	80	-1.53151030643808	0.129741699083493	0.0295608839143175	0.285681453113536
ACC	EZH1	cg19395400	0.0670792420956951	80	0.589946726381933	0.556953663434214	0.00449962472013287	0.728306017602683
ACC	EZH1	cg22227424	0.134248048292483	80	1.18878299271274	0.238178418954004	0.0180225384703409	0.429799188205941
ACC	EZH1	cg27088844	-0.0397333512126766	80	-0.348934288799848	0.728091009878766	0.00157873919858991	0.846262086279239
ACC	EZH2	cg01893439	-0.0498445012035185	80	-0.437928071803508	0.662664469477376	0.00248447430022756	0.803844002721351
ACC	EZH2	cg02303805	-0.104932835343939	80	-0.925893463039955	0.357394238646837	0.0110108999333182	0.556296192426661
ACC	EZH2	cg06816161	-0.128673153635849	80	-1.13856718458114	0.25841374684789	0.0165567804665949	0.453046650492072
ACC	EZH2	cg13751213	0.0419324979447656	80	0.368280098373195	0.713674935402883	0.00175833438388777	0.837088610816936
ACC	EZH2	cg18494018	0.0105201240538106	80	0.0923188226654865	0.926684503206706	0.000110673010107565	0.961321948533324
ACC	EZH2	cg20101066	-0.00454541718710272	80	-0.0398862859864306	0.968287022723986	2.06608174048088e-05	0.98336732739507
ACC	FBXL19	cg00026853	-0.0955373370013488	80	-0.842189031183099	0.402290407161084	0.00912738276130929	0.598836224616624
ACC	FBXL19	cg02291855	0.0530709244441726	80	0.466352681623335	0.642279766498876	0.00281652302135908	0.789972095617376
ACC	FBXL19	cg03181514	0.0416860690687345	80	0.366112011453859	0.715285483738817	0.00173772835440331	0.838088996490361
ACC	FBXL19	cg03627896	0.316547505830742	80	2.92827476457697	0.00448079511016943	0.100202323447664	0.0227190884964167
ACC	FBXL19	cg04477789	-0.0257798310991534	80	-0.226292309205611	0.821573711416198	0.000664599691500876	0.904204699928634
ACC	FBXL19	cg05643349	-0.252086615715065	80	-2.2858741229584	0.0250124975069084	0.0635476618226746	0.0862242314464673
ACC	FBXL19	cg05768582	-0.106784406958537	80	-0.942417926741446	0.34892620304625	0.0114029095694865	0.547983547790047
ACC	FBXL19	cg06862768	-0.202224376126635	80	-1.81194796267284	0.0738930063292378	0.0408946982998067	0.191757402443473
ACC	FBXL19	cg07697662	0.0372572723100933	80	0.327158381529281	0.744435841761224	0.00138810433998844	0.856441239556409
ACC	FBXL19	cg08535091	-0.1204165598328	80	-1.06439615390758	0.290475776670557	0.0145001478819662	0.488083126059641
ACC	FBXL19	cg08593668	0.0826507047561938	80	0.727746920563745	0.468975705153665	0.00683113899669551	0.657874436399265
ACC	FBXL19	cg09011601	-0.238490014775962	80	-2.15492176279338	0.034293547245616	0.0568774871478385	0.109104867267522
ACC	FBXL19	cg11940219	-0.0574351754137902	80	-0.504824964806785	0.615123547709922	0.00329879937481285	0.770994531039068
ACC	FBXL19	cg26666512	-0.183468340980953	80	-1.63772756986074	0.105559052804097	0.0336606321423033	0.247576380169493
ACC	FBXL19	cg27602786	-0.105420046608544	80	-0.930240658373453	0.355153809384267	0.0111133862269475	0.554006044539706
ACC	FBXW9	cg02753619	0.0829809503592479	80	0.730674884292837	0.467195252640793	0.00688583812252396	0.656290827331119

ACC	FBXW9	cg03160342	-0.0427003300698971	80	-0.375035936608046	0.708664773238939	0.00182331818807815	0.834012092967687
ACC	FBXW9	cg05868316	0.170250700013562	80	1.51607737520805	0.133594539666478	0.0289853008551078	0.291595393371148
ACC	FBXW9	cg06489804	0.160814585707427	80	1.42975099411208	0.156833520972137	0.0258613309762515	0.325422729570688
ACC	FBXW9	cg12110584	-0.279901857008709	80	-2.5583912573881	0.0124782668911067	0.0783450495569237	0.0506831459576441
ACC	FBXW9	cg14342428	0.184048328177108	80	1.64308604322911	0.104442800382832	0.0338737871047886	0.245743677614918
ACC	FBXW9	cg15828427	0.0634830195889264	80	0.558187144890944	0.57833606668466	0.00403009377612802	0.744614146696011
ACC	FBXW9	cg19721801	0.0511625804174873	80	0.449538564897716	0.65430607942462	0.00261760963497585	0.798310678043928
ACC	FBXW9	cg21564527	-0.144326055916397	80	-1.27985585319484	0.204438528192163	0.0208300104163829	0.3885760858312
ACC	FBXW9	cg22303873	0.153986226817704	80	1.36753424529204	0.175436394399782	0.0237117580495535	0.351116513144756
ACC	FKBP1A	cg04613791	0.279120565483026	80	2.55064572020496	0.0127363548839167	0.0779082900755641	0.0515457284278125
ACC	FKBP1A	cg07516946	0.208152231368959	80	1.86743181981416	0.0656468540432514	0.0433273514238767	0.175828244566731
ACC	FKBP1A	cg10996143	0.0583929417679455	80	0.513271792258183	0.609230794817819	0.00340973564831468	0.766814445808038
ACC	FKBP1A	cg21332426	-0.100248986240829	80	-0.884135220006246	0.379375584669912	0.0100498592423139	0.577884596616693
ACC	FKBP1A	cg21775445	0.133880278242557	80	1.18546682322289	0.239478519954869	0.0179239289023045	0.431417453093898
ACC	FKBP1A	cg24641773	-0.144819170173885	80	-1.28432220765301	0.202879991871967	0.0209725920498526	0.386663875929438
ACC	FKBP1A	cg26779912	-0.0615345416623496	80	-0.540988609716085	0.590077127454204	0.00378649981759544	0.753100043527453
ACC	FKBP2	cg03764062	0.0387042972926863	80	0.339883502383093	0.734869659082611	0.00149802262892064	0.850518481591774
ACC	FKBP2	cg04446112	0.17393184998016	80	1.54986937610697	0.125273488975763	0.0302522884375208	0.278833961871778
ACC	FKBP2	cg06615912	-0.259640368884021	80	-2.35924438266084	0.0208477063598219	0.0674131211542303	0.075185502227805
ACC	FKBP2	cg09854726	0.139016065239055	80	1.23182185679767	0.221764258831857	0.0193254663945493	0.410262033044767
ACC	FKBP2	cg10998122	-0.0184636474217399	80	-0.162045472100818	0.871694519572674	0.000340906276114324	0.931939853715888
ACC	FKBP2	cg12423493	0.0288932923262752	80	0.253643506936399	0.800447018306613	0.000834822341451596	0.890983922250206
ACC	FKBP2	cg15010817	-0.194127921805392	80	-1.73650039685342	0.0864747399173181	0.0376856500244802	0.214728076770016
ACC	FKBP2	cg16977872	0.0342727791040192	80	0.300919201389867	0.764287172393001	0.00117462338751289	0.869160524504906
ACC	FKBP2	cg19924313	-0.0356572894111492	80	-0.313090546320748	0.755058345577681	0.00127144228815045	0.863275755208109
ACC	FKBP2	cg21809711	-0.111850414298833	80	-0.987681046488007	0.3264023952227	0.0125105151788205	0.525869774550692
ACC	FKBP2	cg22074794	0.0441338981616501	80	0.387651102260516	0.699343775028374	0.0019478009669429	0.827587119283185
ACC	FKBP2	cg24677501	0.19754013600732	80	1.76825140637493	0.0809797667029709	0.0390221053337905	0.204676564244807
ACC	FKBP5	cg00130530	-0.300637838433794	80	-2.76604820754459	0.00709994424529176	0.0903831098981437	0.0327638547050793
ACC	FKBP5	cg00140191	-0.0158088236278343	80	-0.138739202198853	0.890018450537428	0.000249918904495971	0.941711034866837
ACC	FKBP5	cg00610228	-0.10092817591948	80	-0.890186696730818	0.376138576317695	0.0101864966944336	0.574686733430069
ACC	FKBP5	cg01294490	-0.238010772519301	80	-2.15033116319329	0.0346673206420179	0.0566491278352347	0.110046498634069
ACC	FKBP5	cg07485685	-0.113522591000181	80	-1.00263833368458	0.319175880529766	0.0128873786673945	0.518576647311723
ACC	FKBP5	cg07843056	-0.00081442773062535	80	-0.0071465767024779	0.994316388706782	6.63292528411563e-07	0.997058888261977
ACC	FKBP5	cg08636224	-0.0241019969616069	80	-0.211555620921467	0.833012681433185	0.000580906257537306	0.91045405874669
ACC	FKBP5	cg08915438	-0.135752028464321	80	-1.20234955032012	0.232912583271036	0.0184286132321778	0.423629003169012
ACC	FKBP5	cg10913456	-0.163441004365865	80	-1.45373723803793	0.150083013708323	0.0267129619081228	0.315729837640977
ACC	FKBP5	cg16012111	-0.0371928148448567	80	-0.326591591871319	0.74486287860961	0.00138330547608379	0.856667742619949
ACC	FKBP5	cg17030679	-0.413327524470527	80	-3.98309279587515	0.000153123200002989	0.170839642484934	0.00138609101943595
ACC	FKBP5	cg20813374	-0.433143665393311	80	-4.21692584148359	6.68765337864448e-05	0.187613434870353	0.000683129412139329
ACC	FKBP5	cg25114611	-0.367654895186075	80	-3.46912838797218	0.000858341357476623	0.135170121954283	0.00591389669325449
ACC	FMR1	cg02921434	-0.241486563843784	80	-2.18366334219685	0.0320322294030438	0.058315760517078	0.103644106566585
ACC	FMR1	cg03513471	-0.200484429714335	80	-1.79570207022577	0.0764649825395532	0.0401940065578822	0.196656816133852
ACC	FMR1	cg04552106	-0.254249962114533	80	-2.30684050870939	0.0237531832268693	0.0646430432352413	0.0829674355805853
ACC	FMR1	cg04744025	-0.223338962448698	80	-2.01057692322787	0.0478715192541895	0.049880292147661	0.13978368624204
ACC	FMR1	cg05288927	-0.215185421508062	80	-1.93354107116794	0.05684540456820301	0.0463047656296024	0.158297661933986
ACC	FMR1	cg07147350	-0.107662651796515	80	-0.950259332911826	0.34495367070579	0.0115912465918576	0.544184396236374
ACC	FMR1	cg08434396	-0.257817859738395	80	-2.34150038339971	0.0217940772513629	0.0664700488000868	0.077730077282804
ACC	FMR1	cg14470409	-0.156633826086831	80	-1.39163353435341	0.168040664036672	0.0245341554745997	0.341070638125361
ACC	FMR1	cg16783314	-0.185458273453119	80	-1.65611988025125	0.101767523709534	0.034394771192212	0.241251302396987
ACC	FMR1	cg22625568	-0.286293481894289	80	-2.62196540418267	0.0105320163907692	0.0819639577751558	0.0443719297646088
ACC	FXR2	cg01807919	0.0780804954432251	80	0.687251706540744	0.493988939256135	0.0060965637686595	0.679255896243229
ACC	FXR2	cg01933235	-0.220717312647752	80	-1.98575971687823	0.050619846890759	0.0487161321024457	0.145638535782378
ACC	FXR2	cg05529097	-0.30771885544384	80	-2.83792573709328	0.00580227609955297	0.0946908939956667	0.0279347994601739
ACC	FXR2	cg05913233	-0.436256606863485	80	-4.25432464354805	5.84391719158833e-05	0.190319827032041	0.000607701769820108
ACC	FXR2	cg09625173	-0.364383443144234	80	-3.43350889527811	0.00096213555988014	0.132775293637648	0.00650176978329705
ACC	FXR2	cg17777561	-0.39795232788251	80	-3.8064032065874	0.000281312870396001	0.158366055267109	0.0023160602645345

ACC	FXR2	cg19178740	-0.19322978705761	80	-1.72815410453364	0.0879690892405973	0.0373377506063294	0.217332049925578
ACC	FXR2	cg22521096	-0.289233426722804	80	-2.65133478296296	0.00972950866530284	0.0836559751338157	0.0416931473564266
ACC	FXR2	cg26904212	0.0573137231896019	80	0.503753941782846	0.615872547330518	0.00328486286585431	0.771628560452084
ACC	G2E3	cg02259031	0.266423441546819	80	2.42552415390863	0.0176276647012975	0.0709814502056514	0.0660721054094308
ACC	G2E3	cg05076167	-0.360275248882588	80	-3.38898631029105	0.00110856762831657	0.12979825495741	0.00731156507649504
ACC	G2E3	cg07906495	0.216934644906899	80	1.95003158261854	0.0548124536690317	0.0470606401608822	0.154249747530338
ACC	G2E3	cg08810065	-0.197504848666265	80	-1.76792271411614	0.0810351354758572	0.0390081652466841	0.204789894721399
ACC	G2E3	cg09837748	-0.437348264090538	80	-4.26748431648469	5.5722341708406e-05	0.191273504103007	0.000582956408131218
ACC	G2E3	cg18580322	0.131279754375094	80	1.16203213731116	0.248811622452911	0.0172343739087849	0.442231975989896
ACC	G2E3	cg18755078	0.0625352312646698	80	0.549820559732687	0.584033761445762	0.00391065514932574	0.748752841758597
ACC	G2E3	cg18956956	-0.385669869542798	80	-3.66800803692833	0.000447929686262725	0.148741248273159	0.0034166332006199
ACC	G2E3	cg19554565	0.0775987655135102	80	0.682985831768565	0.496665650035472	0.00602156840922073	0.681295097666446
ACC	G2E3	cg21061067	-0.356790519518267	80	-3.35139833759828	0.0012483009248215	0.127299474818115	0.00807771769635364
ACC	G2E3	cg22926526	-0.280258257676835	80	-2.56192635881615	0.0123620511390816	0.0785446909960553	0.0503210142197769
ACC	GADD45	cg01810953	-0.00768861620020317	80	-0.0674693275931287	0.946382967629875	5.91148190740267e-05	0.97141955407511
ACC	GADD45	cg02639608	0.166790930136519	80	1.48437720527468	0.141791170642912	0.0278192143758051	0.303987828060264
ACC	GADD45	cg04718306	-0.181309264472243	80	-1.6177954727986	0.109796175587588	0.0328730493834657	0.254634711899227
ACC	GADD45	cg07000785	0.116785592572523	80	1.03185021160415	0.305372442619662	0.0136388746325154	0.503914074686269
ACC	GADD45	cg22224769	-0.0944457853623152	80	-0.832479581501515	0.407712871371139	0.00892000637270452	0.603834506357614
ACC	GADD45	cg23369529	-0.101151728449862	80	-0.892178790384944	0.375076795008994	0.0102316721683946	0.573796983224448
ACC	GADD45	cg23723105	-0.0438458225519407	80	-0.385115893726336	0.701213320480983	0.00192245615525627	0.828816096958196
ACC	GATAD2A	cg02887458	0.16776145488243	80	1.49326389715093	0.139454587063105	0.0281439057442698	0.300481854395376
ACC	GATAD2A	cg08505228	0.117578054213792	80	1.03894976382344	0.302079600097556	0.0138245988327014	0.500446790961907
ACC	GATAD2A	cg08870822	0.21582366272627	80	1.93955571216348	0.0560964023221825	0.0465798533925826	0.156779720576679
ACC	GATAD2A	cg09334331	-0.0941345365528478	80	-0.829711552111645	0.409266840266558	0.00886131097201944	0.605271114559786
ACC	GATAD2A	cg11795262	-0.0295719257589435	80	-0.259606132853784	0.795860459482239	0.000874498793092468	0.88820429496688
ACC	GATAD2A	cg14948912	0.131037228787196	80	1.15984786439581	0.249694567740929	0.0171707553282278	0.443339751562772
ACC	GATAD2A	cg15264323	0.0565247852646386	80	0.49679725902855	0.620747477512879	0.00319505134921351	0.775239268363598
ACC	GATAD2A	cg22191731	-0.108693513028074	80	-0.959466246873022	0.340327047883221	0.0118142797743841	0.539554553038115
ACC	GATAD2A	cg26631329	-0.172596342285132	80	-1.53760210386981	0.128245303394864	0.0297894973702066	0.283405253310799
ACC	GATAD2E	cg02134200	0.378692561439	80	3.59041908906358	0.000578796639967806	0.143408056089231	0.00424443933857389
ACC	GATAD2E	cg02940454	0.237448503787087	80	2.14494738595077	0.0351101911970527	0.0563817919507264	0.111107766097853
ACC	GATAD2E	cg09805553	0.393199156071153	80	3.75256522975472	0.000337519604717607	0.154605576335067	0.00269745224259313
ACC	GATAD2E	cg10226922	-0.116430737277201	80	-1.02867176155826	0.306854477623866	0.0135561165829126	0.505343944118529
ACC	GATAD2E	cg10489353	0.441788227976388	80	4.32124876877937	4.58365037681283e-05	0.195176838378517	0.000491903017538664
ACC	GATAD2E	cg15064304	-0.271938998023158	80	-2.47970392552421	0.0153337665097159	0.073950818645839	0.0593913384046222
ACC	GATAD2E	cg20773694	-0.00143076481496204	80	-0.0125549231485481	0.990015356677805	2.04708795573336e-06	0.994592368632072
ACC	GATAD2E	cg23046518	0.0239092417704298	80	0.209862737850375	0.8343290987665	0.000571651842036865	0.911179244504998
ACC	GATAD2E	cg23323627	0.358176884449413	80	3.36633298505261	0.00119090435372487	0.128290680553888	0.00776768787571668
ACC	GATAD2E	cg26398333	0.434284789498431	80	4.23061355988451	6.36604515944924e-05	0.188603278389697	0.000655513060402639
ACC	GLYR1	cg00636946	-0.0198934963660233	80	-0.17459927450744	0.861852788831462	0.000395751197664983	0.926633599258153
ACC	GLYR1	cg00885266	0.0239774299025252	80	0.210461601185241	0.833863357188648	0.000574917144730507	0.9108847170458
ACC	GLYR1	cg01261535	-0.187117953316638	80	-1.67147589822391	0.0986872628784794	0.0350131284534077	0.235919025516822
ACC	GLYR1	cg01565912	0.2825349703325	80	2.58453605748458	0.0116415990101805	0.0798260094607864	0.047991444724603
ACC	GLYR1	cg02454264	0.132266571804838	80	1.17092196486865	0.245241073268013	0.0174944460170045	0.438156947748023
ACC	GLYR1	cg06399529	-0.178663441004768	80	-1.59340278888426	0.115166838396798	0.0319206251516641	0.263142082411772
ACC	GLYR1	cg06976003	-0.458448422963536	80	-4.52658203707081	2.14906910652759e-05	0.210174956517753	0.000254893554007024
ACC	GLYR1	cg11289281	0.0695586679036466	80	0.611856835083204	0.542434944611705	0.00483840828052979	0.717022090687198
ACC	GLYR1	cg15663121	0.283803429985633	80	2.59715349843259	0.0112562655637403	0.0805443868716102	0.0467642277884974
ACC	GLYR1	cg18354686	-0.0749046632731058	80	-0.659137467806142	0.511773933470205	0.00561070858005737	0.69379362412231
ACC	GTF2B	cg02705666	-0.315143408921331	80	-2.913850157892	0.00467119199416313	0.099315368186557	0.0234900265025163
ACC	GTF2B	cg04270788	0.342123396489627	80	3.19491783043043	0.00202808165534465	0.117048418425598	0.0120280997404804
ACC	GTF2B	cg05306856	-0.30474546359108	80	-2.80768123014072	0.00631917956757365	0.0928697975793423	0.0298869002480589
ACC	GTF2B	cg06356032	0.0400892128638027	80	0.352064438257656	0.72575166871786	0.00160714498803928	0.844640136979194
ACC	GTF2B	cg07167781	-0.100629956723199	80	-0.88752945473644	0.377557821332362	0.0101263881901128	0.576151203131744
ACC	GTF2B	cg10430205	0.0413322158081328	80	0.362998919283064	0.717600282652921	0.00170835206361006	0.839599885527167
ACC	GTF2B	cg12074130	-0.354178478664314	80	-3.32332887001888	0.00136328925810676	0.125442394748968	0.00868761119932486

ACC	GTF2B	cg13868361	-0.131911707795214	80	-1.16772473615153	0.24652097885262	0.0174006986534499	0.439697657484885
ACC	GTF2B	cg14010405	-0.148043813598292	80	-1.3135534964794	0.192897035420719	0.0219169707447258	0.373749211762258
ACC	GTF2B	cg17811845	-0.0475789332234161	80	-0.417976811198276	0.677127416309288	0.00226375488667829	0.813486604890018
ACC	GTF2B	cg22607980	-0.156902613752004	80	-1.39408183490167	0.167302871703271	0.0246184302022104	0.340060426499629
ACC	GTF2H1	cg05849260	-0.344272477263757	80	-3.21767597169748	0.00189158093024169	0.118523538601324	0.0113671975103912
ACC	GTF2H1	cg07583091	-0.308022141534828	80	-2.84101581698241	0.00575171310911294	0.0948776396757014	0.0277281260215859
ACC	GTF2H1	cg08690812	-0.413741115396697	80	-3.98790111128126	0.000150576743010804	0.171181710569703	0.00136653839778144
ACC	GTF2H1	cg10797557	-0.0218253490429189	80	-0.191562290980826	0.848589334011356	0.000476345860845239	0.919213537882109
ACC	GTF2H1	cg11063328	-0.00878507752804785	80	-0.0770917173828687	0.938750549804426	7.71775871738113e-05	0.967222402408952
ACC	GTF2H1	cg11176342	0.0752219830922746	80	0.661945638458054	0.509982299504129	0.00565834674033444	0.692371215295094
ACC	GTF2H1	cg11347316	0.0251841263437969	80	0.221059925461237	0.825630922032538	0.000634240219700323	0.906256711986219
ACC	GTF2H1	cg11662851	-0.0414484892123287	80	-0.36402184178652	0.716839376241582	0.00171797725798453	0.839091445386494
ACC	GTF2H1	cg13777411	0.171686880372203	80	1.52925327180121	0.130299615927754	0.0294763848919391	0.286666524928837
ACC	GTF2H1	cg14132868	0.0738106882620479	80	0.649457705593666	0.517975271663957	0.00544801770171722	0.698868644140031
ACC	GTF2H1	cg17174493	-0.122356227384886	80	-1.0817999135145	0.282717800373563	0.0149710463798619	0.479966309400473
ACC	GTF2H1	cg18321761	0.125439954721129	80	1.10949479800465	0.270669890671914	0.0157351822404388	0.466853501428527
ACC	H2AFZ	cg02758870	-0.228470228961905	80	-2.05928434060975	0.0428477610871699	0.0521986455219052	0.128763422799679
ACC	H2AFZ	cg09308803	-0.184860532527957	80	-1.65059294673564	0.102895091440204	0.0341734164865199	0.243124187325333
ACC	H2AFZ	cg16267491	-0.0849825535982647	80	-0.748426359068251	0.456483034765071	0.00722203441608193	0.646748036834595
ACC	H2AFZ	cg17709884	-0.332217361663195	80	-3.09074077094689	0.00277884864655042	0.110368375390454	0.0154881945110982
ACC	H2AFZ	cg20934652	0.336728663301642	80	3.13803803907163	0.00241058224946034	0.11338619268891	0.0138224246712256
ACC	H2AFZ	cg23752380	-0.027148573835976	80	-0.238315609439314	0.812269387131255	0.000737045061327442	0.898819178448841
ACC	H2AFZ	cg24061702	-0.265702289625185	80	-2.41845933603451	0.0179483548539157	0.0705977067120657	0.0669900838413626
ACC	H3F3A	cg06319713	-0.151183653821374	80	-1.34205719721993	0.183521438085508	0.022856497182781	0.361769378532942
ACC	H3F3A	cg10632229	0.0428056012224195	80	0.375962225692008	0.70797882767517	0.0018323194960128	0.833532673287763
ACC	H3F3A	cg10983539	0.022319842414963	80	0.195904625831719	0.845200899580109	0.000498175365428781	0.91726735835963
ACC	H3F3A	cg11978873	-0.0337064820997353	80	-0.29594134129074	0.768071539169392	0.00113612693553978	0.871477601926643
ACC	H3F3A	cg15538837	-0.089426806402832	80	-0.787873738975106	0.433189296404574	0.00799715370340959	0.626816363009828
ACC	H3F3A	cg15624314	0.0265721599003139	80	0.23325211865327	0.816184598177933	0.000706079681767849	0.90104963501574
ACC	H3F3A	cg16724613	-0.293066834071614	80	-2.68975281355982	0.00876368312685077	0.0858881692327591	0.0385151150044099
ACC	H3F3A	cg16727519	0.37502968024124	80	3.5499747941227	0.000660670524666138	0.140647261061847	0.00474967219257717
ACC	H3F3A	cg18947521	0.152789333009618	80	1.35664967585726	0.178856803046264	0.0233445802815241	0.355556337009202
ACC	H3F3A	cg19410789	0.0465303151440431	80	0.40874457844169	0.683861708933828	0.00216507022740397	0.817887922159675
ACC	H3F3A	cg21266749	-0.183251040951147	80	-1.63572040162752	0.105979653242735	0.0335809440096789	0.248241031686298
ACC	H3F3A	cg21789564	-0.152938842553253	80	-1.35800898260872	0.178426905959718	0.0233902895615289	0.355012071410433
ACC	H3F3A	cg22519151	-0.284382387890431	80	-2.60291734897905	0.0110841116997195	0.0808733425422638	0.0462025068621323
ACC	H3F3A	cg27530209	-0.00303080541471874	80	-0.0265953317290053	0.978851303410674	9.18578146188844e-06	0.989094294612233
ACC	H3F3A	cg27560444	-0.261408896472911	80	-2.37648865516403	0.0199631587085822	0.0683346111551852	0.0726998393678234
ACC	HAT1	cg00414306	-0.215335498238996	80	-1.93495512639037	0.0566682800875254	0.0463693768018366	0.157946765831713
ACC	HAT1	cg01583365	0.137198806185549	80	1.21540810688031	0.227923950559944	0.0188235124187398	0.417735404237327
ACC	HAT1	cg04507121	0.0118833199398639	80	0.104283072614285	0.917215865351386	0.000141213292793167	0.956319824013855
ACC	HAT1	cg04950839	0.110588223472662	80	0.976396635602852	0.331925583431108	0.0122297551708395	0.531620272008804
ACC	HAT1	cg05421799	0.00936270291969437	80	0.0821609858934454	0.934731899020984	8.76602059624536e-05	0.965306429741649
ACC	HAT1	cg09545452	-0.162046090308245	80	-1.44099401528106	0.153640695437651	0.026258935384188	0.320939714327447
ACC	HAT1	cg10190161	-0.130430924548167	80	-1.15438819574438	0.251911277018791	0.0170122260784896	0.445707121904563
ACC	HAT1	cg12941622	0.341197846143582	80	3.18513404909064	0.00208955061118777	0.11641597021302	0.0123175343067926
ACC	HAT1	cg13293756	-0.0296279606410262	80	-0.26009848387187	0.795482053062514	0.000877816051746198	0.888075008767493
ACC	HAT1	cg14446129	-0.104675687408291	80	-0.923599304703931	0.358580236626846	0.0109569995343983	0.557535073494813
ACC	HAT1	cg16017358	0.142694347783403	80	1.26508367128464	0.209656524762295	0.0203616768893307	0.395123426326562
ACC	HDAC1	cg03762702	-0.208043974137268	80	-1.86641664250485	0.0657904829443912	0.043282295174828	0.176085626855294
ACC	HDAC1	cg04967775	-0.21213504200281	80	-1.90483069714875	0.0605364220516403	0.0450012760455341	0.165706207497724
ACC	HDAC1	cg06473843	-0.214216313533135	80	-1.92441338063206	0.0579973526469308	0.0458886289837265	0.160603924529788
ACC	HDAC1	cg10842753	-0.191383147506525	80	-1.71100758545443	0.0911056966028174	0.0366275091495041	0.222771540516095
ACC	HDAC1	cg14172124	-0.2075258285691	80	-1.86155874774633	0.0664814458868666	0.0430669695232916	0.17747092173917
ACC	HDAC1	cg20002354	-0.243119714106405	80	-2.19935566030912	0.0308534558741102	0.0591071953871801	0.100756181104464
ACC	HDAC1	cg20793809	-0.204541046479131	80	-1.83360653022251	0.0705766432881898	0.041837039694778	0.185481550892248
ACC	HDAC1	cg21930229	-0.177210713153636	80	-1.58002485535694	0.118200603935524	0.0314036368564204	0.267950799846641

ACC	HDAC1	cg23018091	-0.392290859695871	80	-3.7423179406605	0.000349366940752293	0.153892118600925	0.00277474750269361
ACC	HDAC1	cg26115470	-0.290960303228811	80	-2.66862397828288	0.00928347776803304	0.0846578980550014	0.0402524156624906
ACC	HDAC10	cg00711351	-0.141847672949655	80	-1.2574227113324	0.212401030921819	0.0201207623212322	0.398637534367479
ACC	HDAC10	cg01120165	-0.18530030719149	80	-1.65465908102082	0.102064566587951	0.0343362038452604	0.241719766595928
ACC	HDAC10	cg04321608	-0.175177393921733	80	-1.56131823438193	0.122549560393159	0.0306871193412099	0.274649127138321
ACC	HDAC10	cg04586023	-0.126395681906868	80	-1.11808475357981	0.267007028708055	0.0159758684047022	0.462731288095401
ACC	HDAC10	cg07482373	-0.148383690831886	80	-1.31663694989921	0.191865821183225	0.0220177197048928	0.372349690493635
ACC	HDAC10	cg07744063	-0.160712948930468	80	-1.42882340819929	0.157099213229546	0.0258286519539273	0.325790424492291
ACC	HDAC10	cg09151829	-0.148433698582618	80	-1.31709067326802	0.191714429807025	0.0220325628749154	0.372199251823447
ACC	HDAC10	cg10508940	-0.151226471697396	80	-1.34244618618023	0.18339591294541	0.0228694457420432	0.361586072222299
ACC	HDAC10	cg11645658	-0.119791606128513	80	-1.05879137212824	0.293004995484823	0.0143500288988488	0.490690173266447
ACC	HDAC10	cg12464820	-0.256504435290423	80	-2.32872946139383	0.0224986072803398	0.0657945253236588	0.079553504602825
ACC	HDAC10	cg26943378	-0.129676325056229	80	-1.14759499260176	0.254688909040007	0.0168159492800887	0.448934443505814
ACC	HDAC11	cg01409735	-0.278669692736996	80	-2.54617837698287	0.0128873914260156	0.0776567976501317	0.0520027868974251
ACC	HDAC11	cg01712016	0.106183168770855	80	0.937051061349206	0.351662119547793	0.01127486533022	0.55064616819172
ACC	HDAC11	cg02762546	-0.162971807224546	80	-1.44944989695264	0.151272744043302	0.0265598099500345	0.317528640056089
ACC	HDAC11	cg02941903	-0.217587310807883	80	-1.95618952028093	0.0540694454356911	0.0473442378246064	0.152783351066948
ACC	HDAC11	cg05987698	-0.270512805258686	80	-2.46566931823417	0.0159007302206375	0.0731771778089238	0.0610101803592736
ACC	HDAC11	cg07450135	-0.225894441180854	80	-2.03481193168737	0.04531206238204	0.0510282985564105	0.134296197079717
ACC	HDAC11	cg08051076	-0.160883668331888	80	-1.43038150188693	0.156653120416983	0.0258835547359249	0.325166071172625
ACC	HDAC11	cg08448040	0.116619859790479	80	1.03036568807565	0.306064036797159	0.0136001916975509	0.50454817873242
ACC	HDAC11	cg10455785	-0.455476601427865	80	-4.48952657694842	2.46712753526178e-05	0.207458934448278	0.000287661450057187
ACC	HDAC11	cg11432034	-0.333638470929707	80	-3.10561395283542	0.00265774520624389	0.111314629284313	0.014948738239789
ACC	HDAC11	cg13397067	-0.197121264222389	80	-1.76435018741906	0.0816389571618982	0.038856792808633	0.205941211889254
ACC	HDAC11	cg13706066	-0.303552115067775	80	-2.79556834785716	0.00653779901865294	0.0921438865621199	0.0306865674580245
ACC	HDAC11	cg16254764	-0.244349847450898	80	-2.21118865876356	0.0299898670683923	0.0597068479492771	0.0986649631531129
ACC	HDAC11	cg18521047	-0.247407752217306	80	-2.24065285604868	0.0279309693179597	0.06121059585722	0.0936336217840797
ACC	HDAC11	cg19779799	-0.29876090425106	80	-2.7470809918718	0.00748412489697821	0.089258077908911	0.0341176485300045
ACC	HDAC11	cg20894727	-0.187803518548822	80	-1.67782334044519	0.0974363966952693	0.0352701615793179	0.233675536238726
ACC	HDAC11	cg20922324	-0.273276734617908	80	-2.49288410463443	0.014817910008904	0.0746801736834265	0.0578121902196652
ACC	HDAC11	cg21655280	-0.236897824439863	80	-2.13967679280085	0.0355485126123888	0.0561205792243403	0.112143592464241
ACC	HDAC11	cg25127083	-0.269772717257833	80	-2.45839331163103	0.0162019994175714	0.0727773189766749	0.0619157215056516
ACC	HDAC11	cg25150878	-0.325518142095824	80	-3.02094338488309	0.00341888668967745	0.105962060833517	0.0182947359428235
ACC	HDAC11	cg27025856	-0.344136280662432	80	-3.2162319925975	0.0018999795926274	0.118429779668172	0.0114066223513548
ACC	HDAC2	cg00161229	-0.0574663660812928	80	-0.505100022458323	0.614931257306031	0.00330238323058916	0.7709075376875
ACC	HDAC2	cg01129566	0.207959711918188	80	1.86562652696487	0.065902452415345	0.0432472417810956	0.176312517477108
ACC	HDAC2	cg08198132	-0.278815988299395	80	-2.54762770433588	0.0128382149454091	0.0777383553313686	0.0518544538210632
ACC	HDAC2	cg10999867	0.22821955825928	80	2.05690073934765	0.0430825960394091	0.0520841667720607	0.129264404361686
ACC	HDAC2	cg13393754	-0.0925149598824978	80	-0.815312111724558	0.417408461701934	0.00855901780206018	0.612850313666892
ACC	HDAC2	cg15005908	-0.158159778234777	80	-1.40553716915387	0.163883751449716	0.0250145154512737	0.33513412965352
ACC	HDAC2	cg15242771	-0.30259647410121	80	-2.78587872860191	0.00671765139271133	0.0915646261384842	0.0313567643430849
ACC	HDAC2	cg18387216	-0.26011692372057	80	-2.36388858130903	0.0206061176824445	0.0676608140058527	0.0745249151204299
ACC	HDAC2	cg18674783	0.235548878024791	80	2.12677514394153	0.0366415958963601	0.0554832739387377	0.114745041106249
ACC	HDAC2	cg22867643	-0.281879927233355	80	-2.57802608113958	0.0118450431845799	0.0794562933770816	0.0486882219962597
ACC	HDAC2	cg24023618	0.175538610431949	80	1.56463992773412	0.12176815049989	0.0308138037523797	0.273433538274692
ACC	HDAC3	cg01947930	0.198310650859877	80	1.77543033458809	0.0797782542803026	0.0393271142444682	0.202663560866684
ACC	HDAC3	cg01961137	-0.255613837285156	80	-2.32007770284444	0.0229872941684601	0.0653384338116422	0.0808880750199558
ACC	HDAC3	cg04284814	-0.213799310815114	80	-1.92048761205802	0.0584990064188703	0.0457101453050178	0.161664572301529
ACC	HDAC3	cg08520975	0.131032682698297	80	1.15980692270391	0.249711138822795	0.0171695639351126	0.443354672575783
ACC	HDAC3	cg10414058	0.179048411628798	80	1.5969497205566	0.114373046200283	0.0320583337067953	0.261950840974656
ACC	HDAC3	cg11064797	0.103430383969652	80	0.912491908031184	0.364357991612028	0.0106978443281097	0.56339300748278
ACC	HDAC3	cg11153694	0.0247958212906459	80	0.217649368049303	0.828278047169926	0.000614832753477648	0.907676716132601
ACC	HDAC3	cg12082871	0.156608489139233	80	1.39140276459014	0.168110334467061	0.0245262188704731	0.3411853423999
ACC	HDAC3	cg14098966	-0.0621231338777079	80	-0.546183244301638	0.586519078525414	0.00385928376278762	0.750613060550005
ACC	HDAC3	cg17940889	-0.0197437343535383	80	-0.173284343540709	0.862882650766599	0.000389815046223089	0.927067353520838
ACC	HDAC3	cg18671773	-0.0581942072343088	80	-0.511518976918586	0.610451503980543	0.00338656575562968	0.767686371774891
ACC	HDAC3	cg19549288	0.0363261035033358	80	0.318970788709601	0.750612343830155	0.00131958579573507	0.860202652739612

ACC	HDAC3	cg20642138	-0.323053648167078	80	-2.9953954033659	0.00368557295715283	0.104363659594058	0.0194159587342553
ACC	HDAC3	cg23421926	-0.00098661792998374	80	-0.0086575414132610	0.993114759161008	9.73414939765415e-07	0.996437637722882
ACC	HDAC3	cg24385322	0.0140730648497802	80	0.123502873427198	0.902030712506477	0.000198051154266118	0.948253223954811
ACC	HDAC6	cg07153944	-0.324135830106339	80	-3.00660532930093	0.00356626637067526	0.105064036358726	0.01893360581726
ACC	HDAC6	cg07674520	-0.378176832538637	80	-3.58471275197378	0.000589734631721495	0.143017716668956	0.00431101446533941
ACC	HDAC6	cg10783042	-0.33494256215174	80	-3.11928339490805	0.00255079724258726	0.112186519940772	0.0144728116614275
ACC	HDAC6	cg12510923	-0.220883224438207	80	-1.98732893205265	0.0504421598878156	0.0487893988382193	0.145218613955767
ACC	HDAC6	cg13178935	-0.230489958339025	80	-2.07850555384237	0.0409940687870697	0.0531256208951255	0.124578795547533
ACC	HDAC6	cg17152375	-0.231118939658575	80	-2.0844971758509	0.040430582675919	0.0534159642689038	0.123341459569949
ACC	HDAC6	cg24616736	-0.277603929599132	80	-2.53562581785124	0.0132505979304486	0.0770639417288796	0.0531047867395456
ACC	HDAC6	cg26680189	-0.217470711928976	80	-1.95508920183367	0.054201576047469	0.0472935105468957	0.153067753549817
ACC	HDAC9	cg00332048	-0.353386374434134	80	-3.31483439961806	0.00140000508443672	0.124881929635702	0.00887845402614089
ACC	HDAC9	cg02301805	-0.190101733943575	80	-1.69912043137459	0.0933335736457797	0.0361386692483539	0.226687231601617
ACC	HDAC9	cg03260621	-0.021975535940341	80	-0.192881124373971	0.847559909999476	0.000482924179865218	0.918692542496394
ACC	HDAC9	cg07513622	-0.141647471368903	80	-1.25561164164715	0.213053688822926	0.0200640061452041	0.399438440938225
ACC	HDAC9	cg08146609	-0.200325587926928	80	-1.79421984795634	0.0767033023526603	0.0401303411782692	0.197056131013601
ACC	HDAC9	cg08285151	-0.468119020892998	80	-4.64851019851875	1.35923845534303e-05	0.219135417721819	0.000171111824540074
ACC	HDAC9	cg08725366	0.129408421575539	80	1.14518370796272	0.25568004877	0.0167465395746724	0.449928741488109
ACC	HDAC9	cg10068437	-0.090075820453134	80	-0.793638327226326	0.429844966528246	0.00811365343030524	0.623880283701158
ACC	HDAC9	cg11321459	-0.18910691225325	80	-1.68989808986534	0.0950925496419603	0.0357614242619585	0.229718653754205
ACC	HDAC9	cg11765288	-0.106426016804028	80	-0.939218683569718	0.350555447229817	0.0113264970527712	0.549576939978823
ACC	HDAC9	cg12081743	-0.16765537076535	80	-1.4922923120226	0.139708565924664	0.0281083233464669	0.300893949537237
ACC	HDAC9	cg16475478	0.0848045760578857	80	0.746847576032519	0.457430020510213	0.00719181612035772	0.647623114786147
ACC	HDAC9	cg18856632	-0.170489829847993	80	-1.51827052222958	0.133041579495519	0.0290667820815978	0.290752307442283
ACC	HDAC9	cg19585556	-0.163671803204185	80	-1.45584655979651	0.14950035678991	0.0267884591641095	0.314978872209738
ACC	HDAC9	cg20648975	0.113212206689645	80	0.999861359555514	0.320509425103652	0.0128170037435389	0.519919390744804
ACC	HDAC9	cg21433125	-0.171503479200345	80	-1.52757014366164	0.130716902908696	0.0294134433778231	0.287249939244397
ACC	HDAC9	cg23074799	-0.0536963195346044	80	-0.471864044263428	0.63835827698657	0.00288329473156234	0.787311240406703
ACC	HDAC9	cg23385718	-0.09966214102086	80	-0.878907524118507	0.382185963262463	0.00993254235286178	0.580629684754749
ACC	HDAC9	cg24350771	0.0317234295115263	80	0.278512143452371	0.781365823184304	0.00100637597997277	0.879204663910782
ACC	HDAC9	cg25620356	-0.241479024531422	80	-2.1835909456441	0.0320377576503413	0.0583121192886472	0.103657682525813
ACC	HDGF	cg00692559	0.204766486839182	80	1.83571588352943	0.0702604155754302	0.0419293141324608	0.184887824959409
ACC	HDGF	cg00746981	0.309466752010658	80	2.85574762620034	0.00551617953658982	0.0957696706000261	0.0268270611946404
ACC	HDGF	cg01910231	-0.313069639210619	80	-2.89258466637289	0.00496553440104814	0.0980125989954673	0.0246323926837329
ACC	HDGF	cg02914429	-0.0018026601664786	80	-0.0158183044648929	0.987420260780331	3.24958367580864e-06	0.993306502620421
ACC	HDGF	cg04402095	-0.100914485250033	80	-0.890064702560814	0.376203660337917	0.010183733332791	0.574709297173866
ACC	HDGF	cg05762852	-0.00484797388951832	80	-0.0425412981553599	0.966177312469544	2.35028508334514e-05	0.982241937479196
ACC	HDGF	cg05967123	0.268836343649561	80	2.44919429865724	0.0165902077046279	0.0722729796668647	0.0630154102911881
ACC	HDGF	cg06106793	0.352142716389628	80	3.30151392367052	0.00145945730237831	0.124004492706266	0.00919501877435961
ACC	HDGF	cg06119628	-0.422803965352672	80	-4.09402237149565	0.00010369907606243	0.178763193117943	0.000993860530146694
ACC	HDGF	cg07313589	-0.104683533218957	80	-0.923669298728635	0.358544014934907	0.0109586421272044	0.557505808355743
ACC	HDGF	cg07892339	0.348322231164397	80	3.2607181104666	0.00165663030526107	0.121328376723344	0.0101966847034955
ACC	HDGF	cg08597205	0.0908281937577933	80	0.800322235919891	0.425986496886784	0.00824976078130325	0.620619014903655
ACC	HDGF	cg08708935	-0.110635161587124	80	-0.976816192163772	0.331719134235781	0.0122401389794091	0.531431008232013
ACC	HDGF	cg09063372	0.326345572848881	80	3.02953628128493	0.00333329081434933	0.106501432918064	0.0179192886194107
ACC	HDGF	cg09477492	-0.270547435398377	80	-2.46600989193747	0.0158867523174937	0.073195914800639	0.0609806093544731
ACC	HDGF	cg11588596	0.288801249704029	80	2.64701232882003	0.00984402171671578	0.0834061618306089	0.0420864929341717
ACC	HDGF	cg12220178	-0.324700242961044	80	-3.01245710391194	0.00350541876932363	0.105430247778961	0.0186678907270511
ACC	HDGF	cg12421458	0.0980674979143297	80	0.864706891667	0.389885613303695	0.00961723414717707	0.587420324575462
ACC	HDGF	cg13170934	0.147960625272875	80	1.31279886319194	0.19315004238283	0.0218923466311402	0.3740767376302
ACC	HDGF	cg13235992	0.299518946876979	80	2.75473710189011	0.00732681855999668	0.0897115995382947	0.0335639219795302
ACC	HDGF	cg14155849	-0.0231667684658706	80	-0.203342142361041	0.839404027637164	0.000536699161151257	0.914062107026953
ACC	HDGF	cg15503799	0.129866397643608	80	1.14930590964172	0.253987304472497	0.0168652812369277	0.448052979979896
ACC	HDGF	cg17170583	0.0837617282299805	80	0.737598241367542	0.463000498128759	0.00701602711607311	0.652311077230358
ACC	HDGF	cg17218029	-0.394261441681117	80	-3.76456629760375	0.000324131721958782	0.155442084396473	0.00260706194975821
ACC	HDGF	cg17971171	0.246141512642277	80	2.22844352062415	0.0287685632559594	0.0605856442458283	0.0956787486611988
ACC	HDGF	cg18593717	-0.19039787497355	80	-1.70186680854587	0.0928149306972711	0.0362513507944437	0.225822378140474

ACC	HDGF	cg19599803	0.00573644574203529	80	0.0503379353338112	0.959983445355199	3.29068097513148e-05	0.979061311921597
ACC	HDGF	cg20284773	0.352559048468782	80	3.30597091209337	0.00143930560834566	0.124297882657213	0.00908842049477618
ACC	HDGF	cg23747104	0.316034291248622	80	2.92299992184836	0.00454957297915852	0.0998776732450189	0.0229824337883544
ACC	HDGF	cg26431298	0.340280953463933	80	3.17545212410985	0.00215209106320258	0.115791127290323	0.012596476726415
ACC	HDGFL1	cg02685945	0.0185230109438215	80	0.162566652238293	0.871285518694824	0.00034310193442493	0.931694647990998
ACC	HDGFL1	cg03930485	-0.086797606130208	80	-0.764531269617959	0.446887408081765	0.00753382442993473	0.638537221495322
ACC	HDGFL1	cg05276066	-0.287118193313553	80	-2.63019589087868	0.0103012721955381	0.082436856931639	0.0436076165413121
ACC	HDGFL1	cg06566039	-0.454257463790364	80	-4.47438016686059	2.60988199128044e-05	0.206349843409254	0.000302087724489913
ACC	HDGFL1	cg08671671	-0.186352541864478	80	-1.66439217360028	0.100098626469566	0.0347272698593521	0.238406531781324
ACC	HDGFL1	cg09081892	-0.576770716066798	80	-6.1955010819351	2.6492158981608e-08	0.332664458912207	6.62465771718165e-07
ACC	HDGFL1	cg11894257	-0.135284415443893	80	-1.19813057442351	0.234541074020696	0.0183018730619958	0.425530302541305
ACC	HDGFL1	cg15317945	-0.14652979194212	80	-1.29982366782101	0.19753920832794	0.0214709799266008	0.379881966051066
ACC	HDGFL1	cg20209681	-0.124713910892996	80	-1.10297130650277	0.273474947379422	0.015553559570226	0.469847836935397
ACC	HDGFL1	cg21898884	-0.0471224401173993	80	-0.413957590757604	0.680055973252713	0.00222052436261788	0.81536703013411
ACC	HIST1H1	cg00667898	-0.170218692667107	80	-1.51578384508858	0.133668685054295	0.0289744033332991	0.291716769304768
ACC	HIST1H1	cg00700007	-0.117161533961682	80	-1.03521796755595	0.303807429177623	0.0137268250402544	0.502335432413059
ACC	HIST1H1	cg03821311	0.0869405145952276	80	0.765799616051095	0.446136703585895	0.00755865307808298	0.638027073529075
ACC	HIST1H1	cg04676561	-0.130763995753525	80	-1.15738728294133	0.250691875659975	0.0170992225854279	0.444303961582474
ACC	HIST1H1	cg07138603	-0.109011798936716	80	-0.962309579987305	0.338906457924896	0.0118835723074189	0.538245697238009
ACC	HIST1H1	cg11206041	-0.115260520456005	80	-1.01819291557167	0.311774870681166	0.0132849875757892	0.510647289087113
ACC	HIST1H1	cg14334286	-0.102105269334453	80	-0.900677403135392	0.37056829813382	0.0104254860258612	0.569231551585055
ACC	HIST1H1	cg18798248	-0.136771764259425	80	-1.21155282336155	0.229388605133615	0.0187065154986358	0.419439585092594
ACC	HIST1H1	cg23460835	-0.10597861095738	80	-0.935225343035682	0.352595982460863	0.0112314659804556	0.551608261215685
ACC	HIST1H1	cg00903962	-0.09954997905788	80	-0.877908475938988	0.382724523532741	0.00991019833042435	0.58100637298675
ACC	HIST1H1	cg04290376	0.0723534767354019	80	0.636567591883397	0.526294432625676	0.00523502559570034	0.704994388147772
ACC	HIST1H1	cg07750111	-0.0117494196107443	80	-0.103107855863488	0.91814543709429	0.000138048861189343	0.956882611533155
ACC	HIST1H1	cg08283682	-0.037757377208621	80	-0.331556065561623	0.741125221732974	0.00142561957235585	0.854392899923449
ACC	HIST1H1	cg10717387	-0.0994441011003457	80	-0.876965431617661	0.383233328465416	0.00988912924365578	0.581487693343062
ACC	HIST1H1	cg12633985	0.066991373713927	80	0.589170457828317	0.557471577833082	0.00448784415207903	0.728726037201686
ACC	HIST1H1	cg15022984	0.119393854907688	80	1.05522487927116	0.294622238625937	0.014254892589718	0.492454290536307
ACC	HIST1H1	cg16481032	-0.00268587266641781	80	-0.0235685220076612	0.981257752204367	7.21391198021032e-06	0.99035020835348
ACC	HIST1H1	cg16482183	0.0943487742441928	80	0.831616806032639	0.40819684761518	0.00890169120138165	0.604174971735948
ACC	HIST1H1	cg17691542	0.00457695728234276	80	0.0401630578360468	0.968067085068911	2.09485379643904e-05	0.983292326313032
ACC	HIST1H1	cg20855557	-0.0636682255631936	80	-0.559822223842765	0.577225688082684	0.0040536429463657	0.743836988830431
ACC	HIST1H1	cg23407813	0.0440451041929935	80	0.386869660907481	0.699919837899319	0.00193997120337165	0.828067278070711
ACC	HIST1H3	cg00958605	-0.133369766226276	80	-1.18086438083384	0.241291346109361	0.0177874945432515	0.433500819362871
ACC	HIST1H3	cg01043409	-0.16794683651317	80	-1.49496186699141	0.13901159653252	0.0282061398947813	0.299755194186071
ACC	HIST1H3	cg08041469	-0.206119739853679	80	-1.8483841420644	0.068386070559164	0.0424853471573483	0.181275520300475
ACC	HIST1H3	cg08401836	-0.062617458808423	80	-0.550546362471688	0.583538431403321	0.00392094614762455	0.748500201694833
ACC	HIST1H3	cg10075390	-0.0937794202691059	80	-0.826553695815009	0.411044038189692	0.0087945796660096	0.606917215009959
ACC	HIST1H3	cg15479139	-0.185713781982035	80	-1.65848298697502	0.101288489224106	0.0344896088180708	0.240460091266139
ACC	HIST1H3	cg15797414	-0.199834432713955	80	-1.78963759553243	0.0774439694542773	0.039933800498108	0.198374291994482
ACC	HIST1H3	cg21209604	-0.0857832201416115	80	-0.755529716053302	0.452236226293132	0.00735876085786417	0.642704216656563
ACC	HIST1H3	cg23099349	-0.0894065760386727	80	-0.787694067763002	0.433293778831245	0.00799353583895897	0.626850951786174
ACC	HIST1H3	cg25701114	-0.122553967775572	80	-1.08357485183648	0.281934717049768	0.015019475017536	0.479039628222554
ACC	HLTF	cg00906762	-0.00169141566465436	80	-0.01484213345424673	0.988196515489786	2.86088695063813e-06	0.993791816097166
ACC	HLTF	cg02059813	-0.275254399536163	80	-2.51239790600497	0.0140827712040825	0.0757649844640135	0.0555978230423951
ACC	HLTF	cg02398045	-0.218180859455659	80	-1.96179207477952	0.0534009114265897	0.0476028874328099	0.151367116178543
ACC	HLTF	cg02611507	0.0745586068357471	80	0.656075217533412	0.513731482939707	0.00555898585328751	0.69532555602783
ACC	HLTF	cg02710346	0.0508379518563809	80	0.446678810607308	0.656360769869021	0.0025844973489517	0.799713851919225
ACC	HLTF	cg03678609	0.0252342860171147	80	0.221500494717029	0.825289118162296	0.00063676919079355	0.906124448278398
ACC	HLTF	cg04120413	0.0994757650988709	80	0.87724745651382	0.383081122051037	0.00989542784200574	0.581293306852562
ACC	HLTF	cg04731810	-0.055137962823341	80	-0.484570815740901	0.629356405111317	0.00304019494430813	0.781299803386735
ACC	HLTF	cg04836786	-0.179457752689282	80	-1.60072202089997	0.113533641144677	0.0322050850002875	0.260694721414436
ACC	HLTF	cg05555455	-0.0303710993219398	80	-0.266628312793588	0.790468091454965	0.000922403674023131	0.884905426659435
ACC	HLTF	cg07275648	0.00997536025243464	80	0.0875377864216784	0.930471307581893	9.9507812165853e-05	0.963241790958822
ACC	HLTF	cg09352720	0.235232695223162	80	2.12375298162607	0.0369018273681514	0.0553344209019529	0.115366603104686

ACC	HLTF	cg09392355	0.14977816191478	80	1.3292929562439	0.187676491864191	0.0224334977865702	0.367030468540759
ACC	HLTF	cg15438497	-0.123350168603318	80	-1.09072296143632	0.278796241852536	0.0152152640944669	0.475714038438201
ACC	HLTF	cg16724124	0.411489322839821	80	3.96175816335006	0.000164928865057217	0.169323462811174	0.00147663438005077
ACC	HLTF	cg20117402	-0.175160041975815	80	-1.56115868485185	0.12258719384614	0.0306810403049692	0.2747018135173
ACC	HLTF	cg21089667	-0.343208654851343	80	-3.20640326693122	0.00195808096771449	0.117792180764868	0.0116895825955323
ACC	HLTF	cg21111416	-0.0338224316801305	80	-0.296960537118128	0.767296243652102	0.00114395688475709	0.871097320889139
ACC	HLTF	cg21835021	-0.14313585483313	80	-1.26907967879393	0.208235403182268	0.0204878729388108	0.393410519347241
ACC	HLTF	cg21926402	-0.174849310551408	80	-1.55830179220081	0.123262617614973	0.0305722814003029	0.275810166961176
ACC	HLTF	cg24041269	0.140518058331346	80	1.24539764896399	0.216762173041562	0.0197453247172116	0.404044482798496
ACC	HLTF	cg24710191	0.379989722162164	80	3.60478894375918	0.000552098956455774	0.144392188948879	0.00407882110337327
ACC	HLTF	cg25951608	0.167679379436227	80	1.49251219387379	0.139651055584225	0.0281163742881182	0.300805773712383
ACC	HLTF	cg26151310	-0.303924757123819	80	-2.79934922797001	0.00646882635249737	0.0923702579927721	0.0304290650179091
ACC	HLTF	cg27554556	0.110089069597429	80	0.971935354878333	0.334126059441154	0.0121196032448275	0.533715302619299
ACC	IDH1	cg00707300	0.200369775583684	80	1.79463216752466	0.0766369454517945	0.0401480469674561	0.196935378125378
ACC	IDH1	cg01046174	0.185305285094048	80	1.65470511234323	0.10205519572993	0.0343380486837862	0.241705837385184
ACC	IDH1	cg02241586	0.238531140156771	80	2.15531577520483	0.0342616303843314	0.0568971048244892	0.109029939169641
ACC	IDH1	cg03448938	-0.181154314221756	80	-1.6163659420582	0.110105255976107	0.0328168855611546	0.255184659578302
ACC	IDH1	cg05268564	-0.041597979178056	80	-0.365337010829408	0.71586150169029	0.00173039187169798	0.838452965650507
ACC	IDH1	cg07129696	0.110120521583246	80	0.972216440846438	0.333987134512702	0.0121265292737661	0.533570081985443
ACC	IDH1	cg07915542	0.112378330682501	80	0.992402229112855	0.324109767669494	0.0126288892069855	0.523487911680279
ACC	IDH1	cg09406631	0.119904591295357	80	1.0598045639414	0.292546669040122	0.0143771110137065	0.49023922562754
ACC	IDH1	cg09615745	-0.165851648583072	80	-1.47578082060989	0.144080492324018	0.0275067693377229	0.307265179536263
ACC	IDH1	cg10356455	0.247460004038398	80	2.24115694072594	0.0278968532238548	0.0612364535986838	0.093534493594375
ACC	IDH1	cg14772913	0.0244222151139445	80	0.21436800674057	0.830826774678087	0.00059644459107178	0.909252969856889
ACC	IDH1	cg15399923	-0.0996160706945241	80	-0.878497162766934	0.382407120775452	0.00992336154061642	0.580762524473012
ACC	IDH1	cg16085695	-0.240281771084804	80	-2.17209958720414	0.0329258816636714	0.05773532951565	0.105774530812011
ACC	IDH1	cg16863783	0.102393557260952	80	0.903247316370216	0.369211747938034	0.0104844405685519	0.567895658482936
ACC	IDH1	cg24324379	-0.223951712214829	80	-2.01638396507735	0.047247209966483	0.0501543694039537	0.138464850334624
ACC	IDH1	cg24830471	0.290480103770927	80	2.66381345299627	0.00940567537398492	0.0843786906867687	0.0406245422606465
ACC	IDH1	cg24987806	-0.0555214856003814	80	-0.487951728003435	0.626970615134424	0.00308263536327336	0.779445027386976
ACC	IDH1	cg25795625	0.180110131147733	80	1.60673581950827	0.112205699632028	0.0324396593420537	0.25858133712042
ACC	IDH1	cg26105702	-0.106853469092496	80	-0.943034466694372	0.348612788827092	0.0114176638571009	0.547767790224496
ACC	ING2	cg02075087	-0.344701090307211	80	-3.22222170320065	0.00186536785879265	0.11881884165898	0.0112308975471647
ACC	ING2	cg02552216	-0.380917804797591	80	-3.61508542252448	0.000533692840961447	0.145098374011816	0.00396051711053657
ACC	ING2	cg10348863	-0.0129186594321162	80	-0.1133702371237	0.910032101891717	0.000166891761523006	0.952265517025831
ACC	ING2	cg17985608	-0.116023757955556	80	-1.02502692654054	0.308559946447926	0.0134615124101295	0.507154137330079
ACC	ING3	cg01382559	-0.245169122009133	80	-2.21907578507621	0.0294260858872752	0.060107898386729	0.097283282712791
ACC	ING3	cg01416111	-0.250566427501889	80	-2.27116291768521	0.0259309402443119	0.0627835345910593	0.0885467283542271
ACC	ING3	cg10268125	-0.1177658608906	80	-1.04063259185367	0.301302632636752	0.0138687979913042	0.499670368862577
ACC	ING3	cg14303833	-0.403416672716756	80	-3.86874703809348	0.00022738880221019	0.162745011825858	0.00193433400537338
ACC	ING3	cg16130600	0.148461861616261	80	1.31734620273529	0.191629208139353	0.0220409243545659	0.372085426631544
ACC	ING3	cg18485114	0.103426939108617	80	0.912461187876215	0.364374053212432	0.0106971317333775	0.563395446417585
ACC	ING3	cg19478983	0.045105460603813	80	0.396202052727654	0.693051777000917	0.00203450257628212	0.8238263326131
ACC	ING3	cg19960827	-0.0076377569300066	80	-0.0670231646523308	0.946736988502934	5.83356175365917e-05	0.971563715369525
ACC	ING3	cg20553930	-0.188235596674404	80	-1.68182512696279	0.0966544419837902	0.0354326398553687	0.23243796283307
ACC	ING3	cg24859794	-0.177286157795544	80	-1.5807193493702	0.118041553346154	0.0314303817459065	0.267700335277111
ACC	ING4	cg00369908	-5.16289438047517e-05	80	-0.0004530421438491	0.999639696365676	2.6655478383942e-09	0.999832480991931
ACC	ING4	cg00443163	-0.194080896855411	80	-1.73606328550434	0.0865524798795791	0.0376673945242007	0.214866248197083
ACC	ING4	cg00591160	-0.321503869951384	80	-2.97936464876386	0.00386262525430722	0.103364738393716	0.0201914439614014
ACC	ING4	cg03930474	-0.0592922597584744	80	-0.521204440344829	0.603720175758734	0.00351557206726641	0.762691946166306
ACC	ING4	cg04375284	-0.294206429171828	80	-2.70120096428775	0.00849325297408991	0.0865574229660379	0.0376245157944508
ACC	ING4	cg08733494	-0.229398933434708	80	-2.06811906439808	0.0419869529290672	0.0526238706609817	0.126838032625188
ACC	ING4	cg12392916	-0.221775086295242	80	-1.99576738925954	0.0494957591141974	0.0491841889012618	0.143236895983469
ACC	ING4	cg18123790	0.130789264083724	80	1.15761482389727	0.250599531346762	0.0171058315995622	0.4442931685223
ACC	ING4	cg23354319	-0.283585481191862	80	-2.59498449684885	0.0113216733493189	0.0804207251428201	0.0469737736819687
ACC	ING4	cg27116036	-0.277779884346672	80	-2.53736731760428	0.0131900289770404	0.0771616641476504	0.0529165651198949
ACC	INO80	cg00734724	-0.118116696719218	80	-1.04377653419424	0.299854701992623	0.0139515540438598	0.498139930956139

ACC	INO80	cg06380007	0.189786964641552	80	1.69620182531418	0.09388733741412	0.0360190919478539	0.227645463536673
ACC	INO80	cg12580230	-0.139270968868511	80	-1.23412519435884	0.220909691327221	0.0193964027695737	0.40914812101778
ACC	INO80	cg18952654	0.157353826094972	80	1.39819249765982	0.166069712680223	0.0247602265867265	0.33835910188689
ACC	INO80	cg21007089	-0.107682962843862	80	-0.950440706584889	0.344862134362196	0.0115956204868326	0.544096773735974
ACC	INO80	cg21598047	-0.107879342143159	80	-0.952194397383531	0.343977889987974	0.0116379524612407	0.54326118061848
ACC	INO80	cg22835709	-0.460874410698205	80	-4.55697392988332	1.91824510155648e-05	0.212405222436418	0.000230994357175645
ACC	INO80	cg26409855	0.0830034438460498	80	0.730874320775817	0.467074117360083	0.00688957169030435	0.656184001848668
ACC	INO80	cg27441689	-0.488729032835415	80	-4.91564042040598	4.88232092511651e-06	0.23885606753624	6.97292590505808e-05
ACC	INTS12	cg00093890	-0.09617816566103	80	-0.847890685611765	0.399126835448157	0.00925023954992053	0.595722895509563
ACC	INTS12	cg01852585	0.0732641827649943	80	0.644622974645722	0.521087416419503	0.00536764047622249	0.70121907062686
ACC	INTS12	cg03607115	0.0986396027183572	80	0.869800825779777	0.387112662273655	0.00972977122443534	0.585053472605912
ACC	INTS12	cg19703969	-0.167594694420708	80	-1.49173662384121	0.139853989606467	0.0280879815979703	0.301128497740333
ACC	INTS12	cg26533745	-0.224570796595055	80	-2.0222535968105	0.046623279191	0.0504320426833376	0.13708562179245
ACC	IWS1	cg02372421	-0.0937977950412862	80	-0.826717084868128	0.410951970631251	0.00879802635460714	0.606817963770547
ACC	IWS1	cg02592214	-0.341904994922813	80	-3.1926082097137	0.00204243797336476	0.116899025553169	0.0120984862331484
ACC	IWS1	cg10180764	-0.329077364830569	80	-3.05796155148285	0.00306411304202781	0.108291912043832	0.0167382634640483
ACC	IWS1	cg10488833	0.141410621794937	80	1.25346924876951	0.213827650600388	0.0199969639564308	0.400416634590824
ACC	IWS1	cg15239145	-0.112454237568309	80	-0.993081138075275	0.323780967925356	0.0126459555470697	0.523196818745901
ACC	IWS1	cg17144508	0.0402154734628737	80	0.353175055260303	0.724922265869332	0.0016172843058431	0.844107163370787
ACC	IWS1	cg18451256	0.191347696451302	80	1.71067859857304	0.0911667631423536	0.0366139409372197	0.22287182364076
ACC	IWS1	cg18530950	-0.261671852805709	80	-2.3790548352921	0.0198344208994706	0.0684721585507725	0.0723393783147406
ACC	IWS1	cg19311602	0.0607930883913315	80	0.534445701923152	0.594573042782672	0.00369579959615624	0.75615154398485
ACC	IWS1	cg19409088	-0.273746309580606	80	-2.49751433820448	0.0146404227072329	0.0749370420090007	0.0572877141032383
ACC	IWS1	cg21581038	-0.0696379327286484	80	-0.612557465631673	0.541973865033437	0.00484944167471976	0.71674143402314
ACC	IWS1	cg21679674	-0.29669805839507	80	-2.72627542254821	0.0079273288745096	0.0880297378554043	0.035680318355913
ACC	IWS1	cg22409775	-0.383400179769944	80	-3.64268874585949	0.000487181615579177	0.146995697847625	0.00366642223105025
ACC	IWS1	cg23570261	-0.109384596053621	80	-0.965640257249598	0.337247321778441	0.0119649898538138	0.536816200160253
ACC	IWS1	cg23623107	-0.0881075461148849	80	-0.776159087043515	0.440032649587442	0.00776293968238657	0.632647063187372
ACC	JADE1	cg09863040	-0.335600179953841	79	-3.12618417336852	0.00249834350054031	0.11262748078505	0.0142315865225488
ACC	JADE1	cg12832492	-0.253315437887742	79	-2.297777891437971	0.0242904074290975	0.0641687110722583	0.0843630499370157
ACC	JADE1	cg14617908	0.0715820583220165	79	0.629745489766474	0.530725358059436	0.00512399107361658	0.708502050740909
ACC	JADE1	cg15389440	0.0173286698392909	79	0.152081296133646	0.87952059781147	0.00030028279839915	0.936148382503975
ACC	JADE1	cg15836763	-0.156271855451831	79	-1.38833696081127	0.169038013713922	0.024420892806358	0.342353576810312
ACC	JADE1	cg20039387	0.200312753449834	79	1.79410009026893	0.0767225845764097	0.040125199194654	0.197073127667477
ACC	JADE1	cg22922695	-0.080247491744294	79	-0.706447195899603	0.482042310999306	0.00643965993125054	0.66917475719514
ACC	JADE1	cg26766900	-0.293191453767473	79	-2.69100410676685	0.00873374763900579	0.085961228562284	0.0384099250284819
ACC	JADE2	cg04590931	-0.331063013602367	79	-3.07867690676247	0.00288083083009606	0.109602718975481	0.0159351076220487
ACC	JADE2	cg04842522	-0.056049958514076	79	-0.492610791069462	0.623689390977644	0.00314159784942964	0.777098533798108
ACC	JADE2	cg17378563	-0.27544439665143	79	-2.51427443644831	0.0140138359082618	0.07586961564667	0.0553931380848189
ACC	JADE2	cg18145011	-0.138022817877617	79	-1.22284914032971	0.225116273199291	0.0190502982548779	0.41445261761367
ACC	JADE2	cg21194015	-0.120736593308354	79	-1.06726681169473	0.289186177711174	0.0145773249637069	0.486720149884811
ACC	JADE2	cg25669900	-0.207650854664803	79	-1.8627307849049	0.0663141857534048	0.0431188774430232	0.177139673702007
ACC	JADE2	cg26133206	-0.23965748012547	79	-2.16611175745203	0.0333971185193893	0.05743570778009	0.106901695756425
ACC	JADE3	cg10860619	0.0339939332592229	79	0.298468056564423	0.766149919057072	0.0011555874984325	0.870360630846355
ACC	JADE3	cg17843048	-0.0367820936001885	79	-0.322980118903584	0.747585746982425	0.00135292240961303	0.858350397706137
ACC	JADE3	cg19194595	-0.0893371339935227	79	-0.787077342077768	0.43365253027261	0.00798112351017663	0.62719317443455
ACC	JARID2	cg01769037	-0.299000335192128	80	-2.74949858841988	0.00743412126529928	0.0894012004450049	0.0339435397178479
ACC	JARID2	cg03223185	0.250847978792621	80	2.27388619631658	0.0257587122623686	0.0629247084643431	0.0881017041872367
ACC	JARID2	cg05197191	-0.352064900844974	80	-3.30068112786306	0.00146325195243963	0.123949694406981	0.00921121721865098
ACC	JARID2	cg06047828	-0.114672165283301	80	-1.01292604504867	0.314267874267228	0.0131497054907606	0.513325529862153
ACC	JARID2	cg14862454	0.118728503401274	80	1.04926006170929	0.297340622571365	0.0140964575199064	0.49538091387152
ACC	JARID2	cg15109221	0.08874525933533	80	0.781821279112073	0.436717097708209	0.00787572105449498	0.629748637410527
ACC	JARID2	cg21397480	-0.153967228689718	80	-1.36736142802556	0.175490309725481	0.0237059075103919	0.351180767768257
ACC	JARID2	cg21901688	-0.348117704753868	80	-3.25853938728658	0.00166783353224377	0.121185936363101	0.01025590402398
ACC	JARID2	cg25338254	-0.176871727316901	80	-1.57690472822057	0.118917280172232	0.0312836079240643	0.269090168234055
ACC	JMJD6	cg02318866	0.0945688572351093	80	0.833574164634384	0.407099364049024	0.00894326875875448	0.603293417026951
ACC	JMJD6	cg04510639	0.0664572173521035	80	0.584451777425316	0.56062494154314	0.00441656173818472	0.731275263286503

ACC	JMJD6	cg07312083	-0.402198926826815	80	-3.85481117805534	0.000238508035900764	0.161763976740642	0.00201198158152939
ACC	JMJD6	cg08857478	-0.0418636814750635	80	-0.367674642731213	0.714124563398745	0.00175256782664557	0.837334111339502
ACC	JMJD6	cg10712116	0.0690583057094448	80	0.607434346567416	0.545349943953738	0.00476904958745913	0.719258834049045
ACC	JMJD6	cg12504415	0.136159977929096	80	1.20603088827184	0.2314983105106	0.0185395395896519	0.422003792708404
ACC	JMJD6	cg15457598	0.00568817699618783	80	0.0499143580757141	0.960319887194008	3.23553575399605e-05	0.979174862435392
ACC	JMJD6	cg21102709	-0.04482662768439	80	-0.393747864177532	0.694855444797691	0.00200942654955492	0.825048764522763
ACC	JMJD6	cg21807925	-0.0552114644027547	80	-0.485218745921453	0.628898877094763	0.00304830580149665	0.780881350369655
ACC	JMJD6	cg23630158	-0.152116763524317	80	-1.35053600520531	0.180800040218653	0.023139509745113	0.357955827469775
ACC	JMJD6	cg25004679	0.0658137759172313	80	0.578768354131351	0.564434671823255	0.00433145310048354	0.734151995649863
ACC	JMJD6	cg25908504	-0.102666898273935	80	-0.905684199288057	0.367928331008203	0.0105404920011906	0.566840293793027
ACC	JMJD6	cg26612088	-0.140283593184456	80	-1.24327785626967	0.217537724241118	0.019679486516742	0.405063063252197
ACC	JMJD8	cg00873473	-0.373255583949791	80	-3.53045558861241	0.000704004248520356	0.139319730949699	0.00501027412948427
ACC	JMJD8	cg02851105	-0.363468182835631	80	-3.42356990413153	0.00099314742221196	0.132109119933836	0.0066782704264463
ACC	JMJD8	cg03899598	-0.357910316132295	80	-3.36345939354527	0.00120175128152415	0.128099794393919	0.00782805845812713
ACC	JMJD8	cg05787952	-0.27372358831941	80	-2.49729025129844	0.0146489682719334	0.0749246028024536	0.0573153869007085
ACC	JMJD8	cg06191810	-0.365649976171584	80	-3.44728135980925	0.000920670954670502	0.13369990507428	0.00626620089655617
ACC	JMJD8	cg06646636	-0.202429755337608	80	-1.81386676672326	0.0735940467155896	0.0409778058460438	0.191221618910908
ACC	JMJD8	cg08398290	-0.382122407986975	80	-3.6284687883342	0.00051063861138362	0.146017534685764	0.00381527277506505
ACC	JMJD8	cg26750188	-0.162352116399089	80	-1.44378895076795	0.152854854081121	0.0263582096992633	0.319905047439852
ACC	JMJD8	cg27579097	-0.134150571471313	80	-1.1879039990144	0.238522531706129	0.0179963758260799	0.430215432787243
ACC	KAT2B	cg00770008	0.0378712745144664	80	0.332557653393424	0.740371896626876	0.00143423343335007	0.853901222015851
ACC	KAT2B	cg04371528	-0.152911622227495	80	-1.35776149449427	0.178505118625224	0.0233819642122442	0.355102214451253
ACC	KAT2B	cg05072819	-0.0732811488971797	80	-0.644773058905048	0.5209906588772	0.00537012678369062	0.701140149031883
ACC	KAT2B	cg12062464	0.00190425259075195	80	0.0167097789647908	0.986711367631595	3.62617792938551e-06	0.993007258731262
ACC	KAT2B	cg14937543	-0.121092757805501	80	-1.07046195703989	0.287755438431417	0.0146634559929418	0.485259572080199
ACC	KAT2B	cg18053505	-0.0661908142292342	80	-0.582098589506599	0.56220079693439	0.00438122388832899	0.732471090214603
ACC	KAT5	cg00582417	-0.359141288649911	80	-3.37673710597389	0.00115239840664856	0.128982465213118	0.00755772059069449
ACC	KAT5	cg02561205	-0.299426321005853	80	-2.75380128839578	0.00734588268762229	0.0896561217111001	0.0336386683909181
ACC	KAT5	cg05785768	-0.299424964832326	80	-2.75378758740038	0.00734616213709678	0.0896553095648399	0.0336386683909181
ACC	KAT5	cg07564927	-0.158995193467258	80	-1.41315338031452	0.161640390492574	0.0252794715456907	0.331995261853926
ACC	KAT5	cg14726348	-0.357688479676798	80	-3.3610687280954	0.00121084614291176	0.127941048493499	0.00787794303267354
ACC	KAT5	cg18896539	0.104597609528374	80	0.922902766033745	0.35894082107819	0.0109406599190501	0.557944376984769
ACC	KAT5	cg20108992	0.0227131357103518	80	0.199358386771748	0.842507921828648	0.000515886533796856	0.915788417761011
ACC	KAT5	cg20423942	-0.223276212335725	80	-2.0099823809032	0.0479358350125728	0.0498522669949879	0.139908469609368
ACC	KAT5	cg22048492	-0.23060259558176	80	-2.07957832401554	0.0408926835808411	0.0531775570890449	0.124358134024782
ACC	KAT6A	cg10163397	-0.251386371598368	80	-2.27909546608295	0.0254320710897802	0.0631951078253927	0.0873217073240079
ACC	KAT6A	cg12468056	0.110409751010026	80	0.97480141900346	0.33271130675059	0.0121903131180958	0.532362726451704
ACC	KAT6A	cg15251374	-0.58011883826294	80	-6.24962934317257	2.1059183459168e-08	0.336537866507543	5.40240466396453e-07
ACC	KAT6A	cg20966972	0.320475175593062	80	2.96873869190173	0.00398429088843794	0.102704338171404	0.0206863749532912
ACC	KAT6B	cg04396765	-0.0837328963530715	80	-0.737342557495091	0.463155031363261	0.00701119793167422	0.652434269078742
ACC	KAT6B	cg06972998	-0.184906555609569	80	-1.65101842567129	0.102807929688519	0.0341904343073945	0.242984659948006
ACC	KAT6B	cg09631472	0.0358192712594658	80	0.314514658771815	0.753980820209961	0.00128302019355919	0.862529248721181
ACC	KAT6B	cg10359932	0.00827410668573277	80	0.0726074769318105	0.942306750526678	6.84608414468878e-05	0.969305657429882
ACC	KAT6B	cg10739686	-0.303622261771487	80	-2.79627995840593	0.00652476617853615	0.0921864778432332	0.0306458769602754
ACC	KAT6B	cg11128436	0.0800126250716282	80	0.704366239210748	0.483329640621241	0.00640202017085295	0.67019421456977
ACC	KAT6B	cg11348552	0.0322965650002525	80	0.283549126820818	0.777516925026891	0.00104306811081553	0.877015151839124
ACC	KAT6B	cg15874302	-0.119153458969777	80	-1.05306958493577	0.295602518601007	0.0141975467844623	0.493522183638208
ACC	KAT6B	cg15912797	0.283638938020623	80	2.59551645262864	0.0113056000812645	0.0804510471614671	0.046914591813191
ACC	KAT6B	cg17147776	-0.303503164788957	80	-2.79507179631237	0.00654690728019378	0.092114171036913	0.0307188358382437
ACC	KAT6B	cg18462764	-0.00228267641274059	80	-0.020030456415271	0.984070891082154	5.21061160528223e-06	0.991642628249288
ACC	KAT6B	cg18491775	0.202217791862118	80	1.81188645174321	0.0739026067713592	0.0408920353455909	0.191773554527206
ACC	KAT6B	cg24671245	0.21633804576469	80	1.94440503879075	0.055498916479447	0.0468021500452849	0.155579356008868
ACC	KAT6B	cg26605858	0.12750320185368	80	1.12804296292382	0.262804401946819	0.0162570664829403	0.458183493087354
ACC	KDM1A	cg00062312	0.206292099016589	80	1.84999844774018	0.0681502622710029	0.0425564301166702	0.18081852128756
ACC	KDM1A	cg00541565	-0.129464843221426	80	-1.14569151384394	0.255471092286776	0.0167611456303485	0.449732256644056
ACC	KDM1A	cg04886391	-0.387836804597487	80	-3.6922540425392	0.000413176028098519	0.150417387000389	0.00318970089608973
ACC	KDM1A	cg06958034	0.243569998469773	80	2.20368575962671	0.0305349459361546	0.0593263441545651	0.100009918497693

ACC	KDM1A	cg07118078	-0.0531390444597373	80	-0.466952969888024	0.641852148128714	0.00282375804609393	0.789630463145797
ACC	KDM1A	cg07785945	-0.0404653781820505	80	-0.355373324134045	0.723281581202136	0.00163744683141637	0.843235653071571
ACC	KDM1A	cg10499166	0.0594475620528467	80	0.522574449549289	0.602770780553383	0.00353401263402706	0.762037053747784
ACC	KDM1A	cg12578844	-0.0719318853374802	80	-0.632839072209884	0.528713700020215	0.0051741961282044	0.707090608045052
ACC	KDM1A	cg22683154	-0.168532193433089	80	-1.50032441109709	0.137619791775235	0.028403100223368	0.297702966502493
ACC	KDM1A	cg26662347	0.315363446590944	80	2.91610924740771	0.00464088819606035	0.0994541034457193	0.0233542438918635
ACC	KDM1B	cg11007366	-0.0579236252743737	80	-0.509132573741292	0.612115237770176	0.00335514636492607	0.768865647059922
ACC	KDM1B	cg15124342	-0.185534895085889	80	-1.65682848970152	0.101623686096723	0.0344231972945317	0.241044187221889
ACC	KDM1B	cg20677365	-0.240789454590189	80	-2.17697109565538	0.0325467900814257	0.0579795614418406	0.104864153555371
ACC	KDM1B	cg22406543	0.0120428235461592	80	0.105683011601471	0.916108693734175	0.000145029598963927	0.955716236024627
ACC	KDM1B	cg23073439	-0.271467087823993	80	-2.47505809422356	0.015519405446922	0.0736943797716394	0.0599447115156937
ACC	KDM1B	cg23860886	-0.132058504329071	80	-1.16904727771746	0.245990965151869	0.0174394485656311	0.439003949049678
ACC	KDM1B	cg24342628	0.0190884080962821	80	0.167530625380435	0.867391769661055	0.00036436732365021	0.929511334513563
ACC	KDM2A	cg05038268	-0.518021235585597	80	-5.31422637538086	1.01113363202122e-06	0.268346000517628	1.72424659731386e-05
ACC	KDM2A	cg05295919	-0.307576572072436	80	-2.83647638908693	0.00582613226404424	0.0946033476878301	0.0280226371552527
ACC	KDM2A	cg06320126	0.0123506420065851	80	0.108384710497358	0.91397246843322	0.000152538357974823	0.954601374935138
ACC	KDM2A	cg07283932	-0.428364446341021	80	-4.1598689430762	8.20526951374436e-05	0.18349609888905	0.00081108098672456
ACC	KDM2A	cg08836144	-0.32556353096168	80	-3.021414548272	0.00341414095235475	0.105991612692237	0.0182743691514714
ACC	KDM2A	cg09993857	0.00290026351547146	80	0.025449816098466	0.979762017580822	8.41152845917488e-06	0.989607977092735
ACC	KDM2A	cg11637544	0.396622192216779	80	3.79130075626637	0.000296106003679253	0.157309163358843	0.00241840109713636
ACC	KDM2A	cg16004548	-0.144504796245671	80	-1.28147467089688	0.203872618243016	0.0208816361380029	0.387786913078789
ACC	KDM2A	cg18132081	0.20279256294709	80	1.81725699299091	0.0730682969817508	0.0411248235866493	0.190274991477483
ACC	KDM2A	cg21293464	-0.485191381984531	80	-4.86905103209533	5.84806732288678e-06	0.235410677152059	8.17510421054185e-05
ACC	KDM2A	cg21711868	-0.513280245760869	80	-5.24808360303545	1.31776564996458e-06	0.263456610688338	2.18347733702544e-05
ACC	KDM2A	cg25597833	-0.215756754439024	80	-1.93892506140451	0.0561745046841567	0.0465509770860613	0.156952893632126
ACC	KDM2B	cg03486832	-0.221863858873022	80	-1.99660760940857	0.0494023623487241	0.0492235718740281	0.143048123245876
ACC	KDM2B	cg05067991	0.0346376282075751	80	0.304126448917664	0.761851926086063	0.0011997652878462	0.867651061924506
ACC	KDM2B	cg07020001	0.064717267755275	80	0.56908472610743	0.570954950390609	0.00418832474570795	0.738938751446323
ACC	KDM2B	cg07529210	0.0730780446897415	80	0.642976413813139	0.522149553763987	0.00534040061567585	0.702005296257744
ACC	KDM2B	cg07793808	0.0432038736240277	80	0.379466769400114	0.705385794770709	0.00186657469612095	0.831927692399941
ACC	KDM2B	cg09151742	0.0380709461744442	80	0.334313561254241	0.739051836993701	0.00144939694261742	0.853018352990141
ACC	KDM2B	cg12251659	-0.0665753538451301	80	-0.585495339006326	0.559926800180328	0.00443227773960428	0.730601673755179
ACC	KDM2B	cg12888660	-0.21711428268593	80	-1.95172620052139	0.0546071226772797	0.0471386117462261	0.15388561447817
ACC	KDM2B	cg15234492	0.0584857126419858	80	0.514090041465891	0.608661322648907	0.00342057858324094	0.766409160267997
ACC	KDM2B	cg15316703	-0.338233100686572	80	-3.15386475146956	0.00229788754339029	0.114401630400053	0.0133066743747584
ACC	KDM2B	cg16837338	0.139640004269794	80	1.2374602827193	0.21967660089534	0.0194993307924681	0.407699059809911
ACC	KDM2B	cg17452615	-0.0150855324999839	80	-0.132390075531936	0.895021114065726	0.00022757329080807	0.944226641546367
ACC	KDM2B	cg20055546	-0.375158235746221	80	-3.55139096414451	0.000657626959954421	0.140743701848217	0.00472953977282927
ACC	KDM2B	cg21249371	0.0353523687155634	80	0.310409810668042	0.757087986369745	0.00124978997380114	0.864554383354587
ACC	KDM2B	cg21781916	-0.0377232733612552	80	-0.33125616050215	0.741350838849011	0.00142304535308798	0.854447562964576
ACC	KDM2B	cg26218726	-0.268897876038527	80	-2.44979856784188	0.0165644535960823	0.0723060677380312	0.0629544727663114
ACC	KDM2B	cg26509318	-0.14910934770239	80	-1.32322189324512	0.189677435828678	0.0222335975722322	0.369653105816536
ACC	KDM3A	cg01744130	-0.206968471763075	80	-1.85633505418707	0.0672312274521834	0.0428359483039427	0.178984108589811
ACC	KDM3A	cg02152982	-0.127384991138808	80	-1.12697987351859	0.263250820970296	0.0162269359674341	0.458677511459408
ACC	KDM3A	cg02972551	0.185491756704844	80	1.6564295350159	0.101704647892943	0.0344071918054492	0.241161039325276
ACC	KDM3A	cg03037033	-0.138621654451227	80	-1.22825840888034	0.223091096629526	0.0192159630827953	0.411845011181712
ACC	KDM3A	cg04793821	-0.354228305195271	80	-3.32386347934312	0.00136100905654794	0.125477692201514	0.00867570784538595
ACC	KDM3A	cg07052513	-0.0165863007424427	80	-0.1455642224606	0.884645796911792	0.000275105372318756	0.938851752588101
ACC	KDM3A	cg07211384	-0.299702202599835	80	-2.75658881493634	0.00728922928900334	0.0898214102431925	0.0334330701791596
ACC	KDM3A	cg12888358	-0.276248145575156	80	-2.52221629486772	0.0137254376872944	0.0763130379337125	0.0545306195723983
ACC	KDM3A	cg18611949	-0.251390363351944	80	-2.27913409709255	0.0254296624890084	0.0631971147862225	0.0873217073240079
ACC	KDM3A	cg19139691	-0.244040084416459	80	-2.20820789450707	0.0302053876555299	0.0595555628019924	0.0992020064708193
ACC	KDM3A	cg20191795	-0.145084206810861	80	-1.28672316561246	0.202045831662602	0.0210494270659366	0.385489611722187
ACC	KDM3A	cg20918903	-0.21839451607522	80	-1.96380935628732	0.0531619255576729	0.0476961646517295	0.150882117359854
ACC	KDM3A	cg22404242	-0.0406817917382652	80	-0.357277044360262	0.721861780492548	0.00165500817903558	0.842438969412416
ACC	KDM3A	cg24749656	-0.122957908068467	80	-1.08720106935415	0.280339535795488	0.0151186471565737	0.477560029072945
ACC	KDM3B	cg00435490	-0.0346523147716898	80	-0.304255555369669	0.761753946372295	0.00120078291903627	0.867590280277675

ACC	KDM3B	cg03315484	-0.299447896565332	80	-2.75401926196611	0.00734143814307205	0.089669042757402	0.0336229741494258
ACC	KDM3B	cg05191700	-0.517357343253738	80	-5.30492433020821	1.04959375571364e-06	0.267658620618566	1.78240769770764e-05
ACC	KDM3B	cg05708550	-0.097639670552481	80	-0.860898147943537	0.391966978810131	0.00953350526559702	0.589059773004063
ACC	KDM3B	cg05722427	-0.131639392463101	80	-1.16527155859909	0.247506258508106	0.0173289296480544	0.44080819309477
ACC	KDM3B	cg15001364	-0.292152199596522	80	-2.68057364891388	0.008986155608354	0.0853529077290861	0.0392978239022031
ACC	KDM3B	cg18682923	-0.0661634955306637	80	-0.581857285480285	0.562362513843705	0.00437760814083616	0.732559099162043
ACC	KDM3B	cg19076659	-0.306732857226076	80	-2.82788632845741	0.00596938416438055	0.0940850457020725	0.02855101578136
ACC	KDM3B	cg24137987	-0.426572576515325	80	-4.13858738605336	8.85224130743304e-05	0.181964163034923	0.000866445974170163
ACC	KDM4A	cg00154982	-0.294063316985539	80	-2.69976259606118	0.00852680739189112	0.0864732343965375	0.037728043126196
ACC	KDM4A	cg00979347	0.310493214210633	80	2.86622853391238	0.00535404812700732	0.0964060360708501	0.0261957748422898
ACC	KDM4A	cg03587511	0.150976267879495	80	1.34017326071928	0.184130294977391	0.022793833462821	0.362502320891462
ACC	KDM4A	cg08552254	-0.396725879015943	80	-3.79247700242674	0.000294927680474962	0.157391423080973	0.002410802140892
ACC	KDM4A	cg10958452	0.11749421187776	80	1.03819853719413	0.302426882486017	0.013804889824776	0.500768258797759
ACC	KDM4A	cg10968649	0.25644477276907	80	2.32814966877427	0.0225310662039996	0.06576392148058	0.0796501756009247
ACC	KDM4A	cg12293275	0.0816139392013518	80	0.718556501506816	0.474589053012853	0.0066083507196194	0.662507314860488
ACC	KDM4A	cg17737314	0.232940580446107	80	2.10186558195358	0.038834840344455	0.0542613140185692	0.119828629493133
ACC	KDM4A	cg19743044	0.02401942898692	80	0.210830460261839	0.833576521621652	0.000576932968857693	0.910712055656693
ACC	KDM4A	cg20873046	-0.0686683101241522	80	-0.603987661141556	0.547627244379222	0.00471533681530675	0.720908940675814
ACC	KDM4A	cg21451504	-0.336454134202731	80	-3.13515291752096	0.00243167366657931	0.113201384422109	0.013914646650818
ACC	KDM4A	cg22094309	-0.341600885618033	80	-3.18939319581221	0.00206258040911598	0.116691165055024	0.0121953424391656
ACC	KDM4A	cg24324755	-0.0126333546785056	80	-0.110866084955283	0.912011010723683	0.000159601650432918	0.953299770508344
ACC	KDM4A	cg24505556	-0.28410302022209	80	-2.60013570095146	0.0111668936372065	0.080714526099313	0.0464728681117447
ACC	KDM4A	cg25841161	0.134373982248537	80	1.18991864962451	0.237734355729858	0.01805636710533	0.429231704914442
ACC	KDM4B	cg01098771	-0.0578474003867531	80	-0.508460327120422	0.612584278328687	0.00334632173150532	0.769255550416496
ACC	KDM4B	cg12072803	0.0445473576076096	80	0.39128992034922	0.696663639410284	0.00198446706982026	0.826149771562684
ACC	KDM4B	cg18115693	0.124881164445423	80	1.10447391687859	0.272827045759082	0.0155953052332448	0.469146967649161
ACC	KDM4C	cg00121158	0.313596666320367	80	2.89798470495776	0.00488921265490637	0.0983428691272476	0.0243501503659944
ACC	KDM4C	cg00667760	0.287952905618506	80	2.63853267576393	0.0100722334010625	0.08291687585414	0.0428713314659002
ACC	KDM4C	cg05545111	0.181035223940406	80	1.61526733066702	0.110343263914586	0.0327737523071528	0.255591599612069
ACC	KDM4C	cg14196303	-0.217337473156588	80	-1.95383196385505	0.0543528863412411	0.0472355772380908	0.153350322417964
ACC	KDM4C	cg14473811	0.194376208462515	80	1.73880850388982	0.0860651973614179	0.037782110416263	0.21396382345437
ACC	KDM4C	cg14497348	0.172163748497749	80	1.533630402415	0.129219356058353	0.0296403562967963	0.284942617001716
ACC	KDM4E	cg15555590	0.0686149057328635	80	0.603515707909702	0.547939447021076	0.00470800528872974	0.721197890898529
ACC	KDM4E	cg19409026	-0.0991419027748241	80	-0.874273946882815	0.384687799065295	0.00982911688581266	0.582792651226593
ACC	KDM5B	cg00528052	0.0568540198663337	80	0.499700263753036	0.618711100299052	0.00323237957496147	0.773688979049231
ACC	KDM5B	cg00571448	0.277101387713667	80	2.53065346648285	0.0134249172511912	0.0767851790728398	0.0536348609613379
ACC	KDM5B	cg02624558	0.254328028823318	80	2.30759779306896	0.0237087664055606	0.0646827462451543	0.0828596788799222
ACC	KDM5B	cg04504182	0.136020343305607	80	1.20477075449182	0.231981718979389	0.0185015337929752	0.422609711862845
ACC	KDM5B	cg08915090	0.151054621375075	80	1.34088501867158	0.183900087683281	0.0228174986387672	0.362231255126805
ACC	KDM5B	cg09889216	-0.0890280715535443	80	-0.784332650326146	0.435251249087613	0.00792599752454301	0.628642376286097
ACC	KDM5B	cg11171004	0.386373074875066	80	3.67586840466979	0.000436368971856585	0.149284152988413	0.00334024282166793
ACC	KDM5B	cg11221497	-0.162851310852084	80	-1.44834901110737	0.151579417098467	0.0265205494462421	0.317965619901811
ACC	KDM5B	cg13134514	0.0872700090071983	80	0.768724138570296	0.444408540524771	0.00761605447211647	0.636371527943277
ACC	KDM5B	cg13253785	-0.0835057427067271	80	-0.73532820216433	0.464373515820954	0.00697320906500211	0.653608495272151
ACC	KDM5B	cg13993945	-0.0760707717559258	80	-0.669458120966238	0.505205776086828	0.00578676231554217	0.688361119973705
ACC	KDM5B	cg14560895	-0.316747096042417	80	-2.93032693325211	0.00445429767380107	0.100328722851304	0.0226201209762831
ACC	KDM5B	cg21105875	0.224875848884011	80	2.02514679107896	0.0463183481607802	0.0505691474113044	0.136405571502867
ACC	KDM5B	cg24354901	0.0221476687575763	80	0.194392687135246	0.846380375969444	0.00049051923139532	0.917900305503955
ACC	KDM5B	cg27531483	-0.456587677842809	80	-4.50335820124485	2.34340028617153e-05	0.208472307557889	0.000275007515254831
ACC	KDM5C	cg01859586	-0.212060599774091	80	-1.90413077494356	0.0606288852167032	0.0449696979765471	0.16590093199255
ACC	KDM5C	cg04927657	-0.0732939326434594	80	-0.644886145693413	0.520917759397549	0.00537200056234396	0.701112044542784
ACC	KDM5C	cg04927982	-0.479964759136296	80	-4.80078922389026	7.60744356491282e-06	0.230366170012763	0.000102888293582898
ACC	KDM5C	cg09554224	-0.00914818298741355	80	-0.080278339211265	0.936224170474086	8.36892519712028e-05	0.965975531418088
ACC	KDM5C	cg12234996	-0.440321731741099	80	-4.30344745020906	4.89053716703348e-05	0.19388322744348	0.000520027571258743
ACC	KDM5C	cg16417926	-0.222830219249975	80	-2.00575746020365	0.0483950096266372	0.0496533066109917	0.140799632704836
ACC	KDM5C	cg16824069	-0.135712699134472	80	-1.20199467521772	0.233049246418149	0.0184179367063639	0.423812078074092
ACC	KDM5C	cg19903753	-0.437730641502341	80	-4.27209929684158	5.47987807760847e-05	0.191608114510051	0.000574580673409575

ACC	KDM5C	cg24985300	0.0472386555805003	80	0.414980791882187	0.679309960742417	0.00223149058105313	0.814944832106396
ACC	KDM5C	cg27526317	-0.130805519278217	80	-1.15776120290685	0.250540138273553	0.017110083873644	0.444218240424213
ACC	KDM6A	cg00751785	-0.481940745671817	80	-4.82651733429637	6.89087539340394e-06	0.232266882338707	9.42289963709731e-05
ACC	KDM6A	cg03267667	-0.0903729872485532	80	-0.796278123279256	0.428318604742143	0.00816727682422717	0.622537747663627
ACC	KDM6A	cg03478540	-0.0655226218442026	80	-0.57619687187466	0.566162560817248	0.00429321397333837	0.735244872484184
ACC	KDM6A	cg06877198	0.0459943666046275	80	0.404026510587985	0.687313188997497	0.00211548175936087	0.820086845271726
ACC	KDM6A	cg07167981	-0.429050942612252	80	-4.1680381702668	7.96922623464682e-05	0.184084711356462	0.000792076128399277
ACC	KDM6A	cg11895950	-0.0778719640234591	80	-0.685405033911776	0.495146705030515	0.00606404278087091	0.680027093380728
ACC	KDM6A	cg14384228	-0.0952874049266098	80	-0.839965593650787	0.403528228844392	0.00907968953764771	0.59996703237048
ACC	KDM6A	cg15923127	0.0922045211528915	80	0.812552791461179	0.418979656922542	0.00850167372103402	0.614386911943009
ACC	KDM6A	cg17824914	-0.293501839063788	80	-2.69412130529163	0.00865957758272955	0.086143329533826	0.0381657231018561
ACC	KDM6A	cg20211377	-0.225187452617052	80	-2.02810276847424	0.0460085696462223	0.0507093888161569	0.135775473955004
ACC	KDM6A	cg22133177	0.057363230090548	80	0.504190514284869	0.615567189328355	0.00329054016642115	0.771320511018927
ACC	KDM6A	cg27306636	-0.232615592384106	80	-2.09876528051731	0.0391156194139675	0.0541100138202085	0.120484656980131
ACC	KDM6B	cg01046511	-0.125958260197241	80	-1.1141528712227	0.268679295672983	0.0158654833119158	0.464480825057424
ACC	KDM6B	cg02308232	-0.13194902120429	80	-1.1680608983529	0.246386183266125	0.0174105441967703	0.439517696422951
ACC	KDM6B	cg24893073	-0.0500854108177337	80	-0.440049986171758	0.661133661934698	0.00250854837678116	0.802850864733351
ACC	KDM8	cg00636124	0.0107041169046155	80	0.0939336261597226	0.92540588133422	0.000114578118707674	0.960725773781118
ACC	KDM8	cg01755539	-0.502608179469414	80	-5.10155673388698	2.35785991256474e-06	0.252614982069559	3.65320362553398e-05
ACC	KDM8	cg06329197	-0.0108112188608189	80	-0.0948736051798736	0.924661684267853	0.000116882453256527	0.960235090051439
ACC	KDM8	cg08572679	-0.440126193068198	80	-4.30107710539443	4.93286945552218e-05	0.193711065824704	0.000523887571908385
ACC	KDM8	cg09140090	-0.257951763274831	80	-2.34280315751484	0.0217233193693554	0.0665391121765946	0.0775666180300011
ACC	KDM8	cg10214171	0.246457882322427	80	2.2314928789232	0.0285573286694343	0.060741487758855	0.0951486244440384
ACC	KDM8	cg10221365	-0.302745681018502	80	-2.78739098575826	0.00668928648119156	0.0916549473753564	0.0312431767842109
ACC	KDM8	cg16752029	0.143046058410182	80	1.2682668835994	0.208523883558169	0.0204621748266892	0.393716494284845
ACC	KDM8	cg24206694	-0.169589397212145	80	-1.51001376059323	0.135132802499	0.0287605636467786	0.293908556184501
ACC	KDM8	cg24705286	0.239024777850669	80	2.16004615988262	0.0338804629071204	0.0571328444265617	0.108104537607011
ACC	KIAA202f	cg03495688	0.334683043150852	80	3.11656152000128	0.00257176754166482	0.112012739372715	0.0145546401961496
ACC	KIAA202f	cg25608569	-0.530408682995193	80	-5.49025161153136	4.9648070335074e-07	0.281333370996695	9.16327872751304e-06
ACC	KMT2B	cg09284703	0.285351404157442	80	2.61257138638018	0.010801101316351	0.0814254238546236	0.0452799954628556
ACC	KMT2B	cg13830730	0.236362373984927	80	2.13455405168816	0.0359790915322213	0.0558671718357907	0.113212694521604
ACC	KMT2B	cg15496871	0.169738713981599	80	1.51138269133174	0.134784308036045	0.0288112310241269	0.293380259075435
ACC	KMT2B	cg24471867	0.195291116695144	80	1.74731661917332	0.0845693237796543	0.0381386202600364	0.21124409112877
ACC	L3MBTL1	cg01071811	-0.319490626655075	80	-2.95857970138538	0.00410391773596961	0.102074260520453	0.0211714419624327
ACC	L3MBTL1	cg01877937	-0.375830791661646	80	-3.55880374447899	0.000641911442644304	0.14124878396102	0.00463322126267127
ACC	L3MBTL1	cg02177317	-0.31297048202677	80	-2.89156901087833	0.0049800113762469	0.0979505226200689	0.0246839761072795
ACC	L3MBTL1	cg02472486	-0.149834952056958	80	-1.32980854628542	0.187507294601635	0.0224505128579108	0.366834812234487
ACC	L3MBTL1	cg02611863	-0.327888722017638	80	-3.04558278498978	0.00317875169644793	0.10751101402636	0.017266290285817
ACC	L3MBTL1	cg03486259	-0.172318580586867	80	-1.53505183133789	0.128870082125786	0.0296936932154727	0.284335385837093
ACC	L3MBTL1	cg04984575	-0.224019224086902	80	-2.01702393025043	0.0471788369209927	0.0501846127604977	0.138306155158145
ACC	L3MBTL1	cg06362543	-0.0970781353342186	80	-0.855899797655716	0.394708834396721	0.00942416435996886	0.59142894414553
ACC	L3MBTL1	cg06446163	-0.272872333818802	80	-2.48889806319178	0.0149722497893757	0.0744593105637195	0.0582958558615962
ACC	L3MBTL1	cg06908806	-0.212140491460843	80	-1.90488193551534	0.060529657894501	0.0450035881172479	0.165693522159288
ACC	L3MBTL1	cg07678583	-0.0710221229369442	80	-0.62479436736345	0.533953137300959	0.00504414194647042	0.710909175191217
ACC	L3MBTL1	cg08369943	-0.230157767413883	80	-2.07534224255803	0.0412942916590745	0.0529725979009429	0.125266060648315
ACC	L3MBTL1	cg08633313	-0.419439352374319	80	-4.05445345192438	0.000119247331664332	0.175929370320189	0.00112091915411975
ACC	L3MBTL1	cg09541000	-0.249613791020939	80	-2.26195318467265	0.0265209344363186	0.0623070446678448	0.0900593466995053
ACC	L3MBTL1	cg10360552	-0.311134496758086	80	-2.87278211201728	0.00525491071408238	0.0968046750729073	0.0257950860734051
ACC	L3MBTL1	cg12699433	-0.280657264659463	80	-2.56588543215604	0.0122330584003188	0.0787685002061319	0.0499217618000525
ACC	L3MBTL1	cg14306330	-0.106712728188513	80	-0.941778041825708	0.349251677442607	0.0113876063574355	0.548273437832316
ACC	L3MBTL1	cg15123011	-0.163698089865297	80	-1.45608681499495	0.14943410299907	0.026797064625547	0.314900431010227
ACC	L3MBTL1	cg15302378	-0.361138222267364	80	-3.39831983863242	0.00107622992166584	0.130420815582432	0.00713518242083452
ACC	L3MBTL1	cg15330298	-0.314401944051693	80	-2.90624150135979	0.00477460428271115	0.0988485824234837	0.0239003645562854
ACC	L3MBTL1	cg15388309	-0.344884225662861	80	-3.22416467472255	0.00185426777528541	0.118945129111071	0.0111787745900924
ACC	L3MBTL1	cg16862791	-0.324031799810439	80	-3.00552714572196	0.00357758379194202	0.104996607288393	0.0189729738571366
ACC	L3MBTL1	cg17091610	-0.317745495969054	80	-2.9405988956383	0.00432382932930869	0.10096220020862	0.0220916838857376
ACC	L3MBTL1	cg17774347	-0.18773957314688	80	-1.67723118188861	0.0975525419925703	0.0352461473253728	0.233867563999076

ACC	L3MBTL1	cg18911945	-0.251642442104406	80	-2.28157389221263	0.0252779510701054	0.0633239186682692	0.0869312994804731
ACC	L3MBTL1	cg20091959	-0.30217451633874	80	-2.78160327910943	0.00679844194180851	0.0913094383245512	0.0316579667437478
ACC	L3MBTL1	cg20252111	-0.308247026631234	80	-2.84330771330299	0.00571447278413495	0.0950162294269965	0.0275948126181604
ACC	L3MBTL1	cg20529070	-0.350708813926597	80	-3.28618056267007	0.00153082806445651	0.1229966721658	0.00955925818320193
ACC	L3MBTL1	cg22330467	-0.277656765211246	80	-2.53614872555321	0.0132323850404258	0.077093279267573	0.0530486725984899
ACC	L3MBTL1	cg22457903	-0.278645502567737	80	-2.5459387472621	0.0128955385444621	0.0776433161012269	0.05201308342728
ACC	L3MBTL1	cg22601123	-0.279469194235853	80	-2.5541012621683	0.012620623901864	0.0781030305268372	0.0511651892136957
ACC	L3MBTL1	cg23626798	-0.305699340918946	80	-2.8173738790663	0.0061490953504012	0.0934520870382781	0.0292558695914079
ACC	L3MBTL1	cg24343973	-0.119994952595567	80	-1.06061490683192	0.292180456599285	0.0143987886484124	0.489899916819724
ACC	L3MBTL2	cg02358112	-0.494871809812169	80	-4.99729857920673	3.55161290108031e-06	0.244898108146772	5.25673847082652e-05
ACC	L3MBTL2	cg06235991	-0.211245330251481	80	-1.89646769979382	0.0616490426799904	0.0446245895530571	0.167948132656331
ACC	L3MBTL2	cg08053598	-0.0706923277947686	80	-0.621878494494668	0.535858797779561	0.00499740520904302	0.712153193154011
ACC	L3MBTL2	cg09993119	-0.104364003096906	80	-0.920818848380973	0.360021011652584	0.010891845142411	0.558886748170637
ACC	L3MBTL2	cg12821546	-0.0318815858560135	80	-0.279902067867267	0.780303193429252	0.00101643551669436	0.878657132119898
ACC	L3MBTL2	cg13843727	0.0557044881160753	80	0.489565047299576	0.625833551304998	0.00310298999627397	0.77866058220249
ACC	L3MBTL2	cg14679202	-0.209721167624749	80	-1.88215252569035	0.0635935947038302	0.043982968149888	0.17174200188814
ACC	L3MBTL2	cg15283028	-0.293380394178514	80	-2.69290152374849	0.00868853222169015	0.08607205568834	0.0382508740823648
ACC	L3MBTL2	cg19467356	-0.0744716883072647	80	-0.65530611375939	0.514223757529264	0.00554603235933439	0.695761844184492
ACC	L3MBTL2	cg24240981	-0.290886763280353	80	-2.66788712962084	0.00930210114384742	0.0846151090517202	0.0403078959719527
ACC	L3MBTL2	cg26947834	0.35669766238068	80	3.35039894053084	0.00125223330462245	0.127233222347842	0.00809778216599372
ACC	L3MBTL2	cg27177954	-0.341360590828672	80	-3.18685362494614	0.00207862228606362	0.1165270529709	0.0122721140526482
ACC	L3MBTL2	cg03454037	0.0352631299084758	80	0.309625276726654	0.757682297290718	0.00124348833094204	0.864902958700427
ACC	L3MBTL2	cg07826275	0.301100129040417	80	2.77072526018266	0.00700802693478162	0.0906612877081556	0.0324223875922927
ACC	L3MBTL2	cg08106148	0.00866144662012828	80	0.076006736726081	0.939610875939548	7.50206575533316e-05	0.967773814597199
ACC	L3MBTL2	cg08358392	-0.191861290499146	80	-1.71544544683423	0.0902852131907629	0.0368107547919979	0.2212869525823
ACC	L3MBTL2	cg09710740	-0.00631137510748351	80	-0.0553831948666467	0.955976637926468	3.98334557473625e-05	0.9766416701345
ACC	L3MBTL2	cg10237990	-0.0293488440542162	80	-0.257646047601876	0.797367407533228	0.0008613546473187	0.889159011247222
ACC	L3MBTL2	cg16487825	-0.122533023796984	80	-1.08338685030603	0.282017590167869	0.0150143419208324	0.479128115516908
ACC	L3MBTL2	cg16800851	-0.0956693378177415	80	-0.84336339735969	0.401637557497277	0.00915262219848515	0.598219263793666
ACC	L3MBTL2	cg18411550	0.0223526991181008	80	0.196193158131784	0.844975853155112	0.000499643157864346	0.917197323966269
ACC	L3MBTL2	cg18798995	0.0500982430884783	80	0.440163014036354	0.661052160964043	0.00250983396055227	0.802797023674767
ACC	L3MBTL2	cg22934935	0.0151612389052127	80	0.133054624519428	0.894497293293511	0.000229863165140935	0.944028921939992
ACC	L3MBTL2	cg24516147	-0.122453257125939	80	-1.08267084620958	0.282333366791755	0.0149948001807514	0.479486583626908
ACC	LBR	cg01017344	-0.124219940024792	80	-1.09853401612131	0.275394492848454	0.015430593499763	0.471832779294645
ACC	LBR	cg05530459	0.149395333661745	80	1.32581766103805	0.188819951488403	0.0223189657199041	0.368571769611301
ACC	LBR	cg12994003	-0.208084319687297	80	-1.86679497269824	0.0657369253472753	0.0432990840997251	0.175982778863114
ACC	LBR	cg14607642	-0.23426535915202	80	-2.11451134390131	0.0377075842822747	0.0548802584986247	0.117271280549104
ACC	LBR	cg18107727	0.0537830314968635	80	0.472628246724537	0.637815335466663	0.00289261447699262	0.786965998529637
ACC	LBR	cg18289048	0.0504134265092926	80	0.442939248410636	0.659051590683575	0.00254151357240784	0.801609079554663
ACC	LBR	cg18764107	0.188454266598689	80	1.68385077219246	0.0962605832745934	0.0355150105992497	0.231774413998304
ACC	LBR	cg19322477	-0.183619542219595	80	-1.63912433989408	0.105267158301459	0.0337161362849338	0.247107824770781
ACC	LBR	cg20483690	-0.263184968137272	80	-2.39383234209908	0.0191073573757769	0.0692663274534169	0.0702451718618269
ACC	LBR	cg26930584	-0.313660666260961	80	-2.8986406648755	0.00488001566292487	0.0983830135592699	0.0243107030277649
ACC	MBD1	cg01719254	-0.111375099114044	80	-0.983431003615944	0.328475402952486	0.0124044127026631	0.52808314900671
ACC	MBD1	cg03841029	-0.153587326314711	80	-1.36390595598252	0.176570990671169	0.0235890668045014	0.352561886200891
ACC	MBD1	cg05549078	-0.161530981484949	80	-1.43629049150397	0.154970232275559	0.0260922579794908	0.322708770534955
ACC	MBD1	cg12090413	-0.242551948178687	80	-2.19389796879225	0.0312590481053368	0.0588314475652767	0.101794154730968
ACC	MBD1	cg13478031	-0.176530103713348	80	-1.57376090835502	0.119642906698671	0.0311628775170453	0.27018985960626
ACC	MBD1	cg14389183	-0.345571883014135	80	-3.2314640977411	0.00181311698361718	0.119419926329935	0.0109732186368303
ACC	MBD1	cg19328682	-0.276587396168228	80	-2.52557015453125	0.0136052598405218	0.0765005877191201	0.0541833067587072
ACC	MBD1	cg21282183	0.117102026061234	80	1.03468485421054	0.304054807107436	0.013712884507646	0.502665629680847
ACC	MBD2	cg15090185	-0.138584451839322	80	-1.227922319116	0.223216536776597	0.0192056502916052	0.411971557353831
ACC	MBD2	cg16852837	-0.108201566665302	80	-0.955072145613453	0.342530075153483	0.0117075790288257	0.541734434260412
ACC	MBD2	cg17987217	-0.139737370164154	80	-1.23834029637999	0.219352072689832	0.0195265326203938	0.407300819716268
ACC	MBD2	cg22224310	-0.0347964891638181	80	-0.305522972184873	0.760792302608702	0.00121079565812771	0.86688697164586
ACC	MBD2	cg22836370	0.216251492094562	80	1.94358893860955	0.055599088250418	0.0467647078331243	0.155736703681742
ACC	MBD2	cg23388714	-0.153001932527733	80	-1.35858261094189	0.17824572448923	0.0234095913572209	0.354822105704072

ACC	MBD2	cg24881765	-0.24690147826503	80	-2.23576979864259	0.0282633538349128	0.0609603399694571	0.0944669967017489
ACC	MBD2	cg25192916	0.252371718450919	80	2.28863513467063	0.0248433600142445	0.06369148427387	0.0858084779535646
ACC	MBD3	cg08660999	0.272652584145294	80	2.48673266317894	0.0150566980581289	0.0743394316411064	0.0585426213881486
ACC	MBD3	cg09174855	-0.0468474431922833	80	-0.411536489757794	0.681822460900928	0.00219468293365421	0.816528579484711
ACC	MBD3	cg12286540	-0.32069865248482	80	-2.9710461118577	0.00395757360930725	0.102847625705579	0.0205936776831069
ACC	MBD5	cg03890220	0.0985669503614414	80	0.869153892082488	0.387464147893589	0.00971544370355486	0.58538700753097
ACC	MBD5	cg04152151	0.0448917540258175	80	0.394321074882055	0.694434014355656	0.0020152695795145	0.824863721508923
ACC	MBD5	cg05218490	0.054948927872143	80	0.482904473529993	0.630533738459653	0.00301938467429798	0.781975220790241
ACC	MBD5	cg06394585	0.247997776501543	80	2.24634616001015	0.0275477743259031	0.061502897149709	0.0926244351432469
ACC	MBD5	cg06758980	0.131424040291272	80	1.16333172900792	0.248287347873642	0.0172722783664819	0.441588730917956
ACC	MBD5	cg20595490	-0.0504525271835759	80	-0.443283668640759	0.65880357246504	0.00254545749920947	0.801497640378226
ACC	MBD5	cg21412502	-0.0468774652660303	80	-0.411800802589589	0.681629525837054	0.00219749674976788	0.816385499252811
ACC	MBD5	cg23120335	-0.150670520583048	80	-1.3373961196593	0.185030599624321	0.0227016057727668	0.363589122559743
ACC	MBD5	cg25686162	0.082745664422174	80	0.728588809978411	0.468463372663028	0.00684684498066703	0.657457611756371
ACC	MBD5	cg26664634	-0.0539279165506632	80	-0.47390515924388	0.636908571801053	0.00290822018349529	0.786316921438351
ACC	MBTD1	cg01388767	0.0442543648808252	80	0.388711297952092	0.698562502125071	0.00195844881100521	0.827114225505579
ACC	MBTD1	cg14577476	-0.161167300031229	80	-1.43297039638286	0.155914068664476	0.025974898599356	0.324127603690019
ACC	MBTD1	cg17045523	-0.187335019152068	80	-1.67348537115608	0.0982898572803864	0.0350944094007057	0.235164113709684
ACC	MBTD1	cg18711617	-0.0133558654732553	80	-0.117207698061178	0.907000652642034	0.000178379142539694	0.950841639389257
ACC	MBTD1	cg22141797	-0.232961424088591	80	-2.10206445026715	0.0388168895483729	0.0542710251133844	0.119792173338865
ACC	MBTD1	cg25259117	-0.268859010786369	80	-2.44941689396174	0.0165807164674914	0.0722851676810249	0.0629916617117754
ACC	MBTD1	cg25716740	-0.164153087367549	80	-1.460245913117	0.148290789663033	0.026946236092298	0.31328423045712
ACC	MBTD1	cg25855326	-0.393908259487636	80	-3.76057427814885	0.000328527795139081	0.155163716892578	0.00263651575812787
ACC	MBTD1	cg27207041	-0.238345806930421	80	-2.15354023911332	0.0344056619020876	0.0568087236813135	0.109389981282124
ACC	MBTD1	cg27214721	0.00600701696877713	80	0.0527123110262391	0.958097646269028	3.60842528631764e-05	0.977917888758433
ACC	MBTD1	cg27353579	-0.186358824966952	80	-1.66445030961269	0.100086976998764	0.034729611643063	0.238393383198366
ACC	MLLT10	cg00879184	-0.343942866425886	80	-3.21418177828634	0.0019119643142288	0.118296695365255	0.0114679531118824
ACC	MLLT10	cg03524461	-0.360194311804031	80	-3.38811144510398	0.00111164526147038	0.12973994225598	0.00732875690430733
ACC	MLLT10	cg04188362	-0.337596968874128	80	-3.14716931138376	0.00234494868935594	0.113971713392999	0.0135218247972542
ACC	MLLT10	cg05913198	0.0464678728972156	80	0.408194868065874	0.684263502229816	0.00215926321159178	0.818192359244794
ACC	MLLT10	cg06398735	-0.0876560413690664	80	-0.772150803423266	0.442388614728931	0.00768358158849549	0.63475561426505
ACC	MLLT10	cg11443787	-0.151912441747544	80	-1.34867909678689	0.18139341424236	0.0230773899577009	0.358665089151337
ACC	MLLT10	cg15910013	0.0698600683669508	80	0.614521009251124	0.540682735204841	0.00488042915223505	0.715898143834992
ACC	MLLT10	cg19119538	-0.290843080532349	80	-2.66744946578554	0.0093131788971413	0.0845896974935461	0.0403401692162701
ACC	MLLT10	cg20569108	-0.177238956159644	80	-1.58028483862358	0.118141043418963	0.0314136475805601	0.267847880737179
ACC	MLLT10	cg23344688	-0.289638645146262	80	-2.65538921557401	0.00962319776334857	0.0838905447621622	0.0413423374642113
ACC	MLLT10	cg26877631	-0.383555625784766	80	-3.64442033018947	0.000484396211365892	0.147114918071144	0.00364757708518035
ACC	MLLT10	cg27470303	-0.276235465309768	80	-2.52209095650568	0.0137299473704509	0.076306032294904	0.0545389778305945
ACC	MLLT10	cg27572529	-0.136651822942059	80	-1.21047013138783	0.229801154342252	0.0186737207133877	0.419878126709282
ACC	MLLT6	cg05652455	0.00465685138419707	80	0.0408641481514784	0.967509972478831	2.16862648144982e-05	0.982898960496999
ACC	MORF4L	cg03589001	0.0175370542346397	80	0.15391069567292	0.878082824571272	0.000307548271228693	0.935298871724606
ACC	MORF4L	cg07757959	0.0799165937908772	80	0.703515420566519	0.483856524948263	0.00638666196313607	0.670654144279392
ACC	MORF4L	cg08692282	0.0362089287314468	80	0.317940552270392	0.751390691895935	0.001311086519879	0.860766606356327
ACC	MORF4L	cg13747872	0.00139975407398855	80	0.012282804183282	0.990231755522827	1.95931146764754e-06	0.994707003630272
ACC	MORF4L	cg15822222	0.0147866219244251	80	0.129766267892318	0.897089744825007	0.000218644187935888	0.945511443014721
ACC	MORF4L	cg20775702	-0.39948372443962	80	-3.82382612044402	0.000265123689741796	0.15958724609215	0.00220117740872714
ACC	MORF4L	cg20905746	0.0216518692783768	80	0.190038932513172	0.849778729080112	0.000468803443247916	0.919887100119088
ACC	MORF4L	cg23623458	-0.264527802953842	80	-2.40696273391357	0.0184813634670038	0.0699749585355864	0.0684963882587944
ACC	MORF4L	cg24795825	0.174918406778673	80	1.55893702756466	0.123112180317923	0.0305964490299892	0.275560736438385
ACC	MPHOSF	cg00331616	-0.00317530540962492	80	-0.0278633323558284	0.97784324336507	1.00825644443933e-05	0.98852003171519
ACC	MPHOSF	cg03134886	0.0197981220923586	80	0.173761873977305	0.862508618450384	0.000391965638383936	0.9268727401554
ACC	MPHOSF	cg03428000	0.31326354816044	80	2.89457115629445	0.00493733141953128	0.0981340506060685	0.0245286902389052
ACC	MPHOSF	cg04203901	-0.134061000551684	80	-1.18709632745455	0.238839038178548	0.0179723518689187	0.430634924411637
ACC	MPHOSF	cg06019692	-0.30637842399036	80	-2.82427995647857	0.00603048447711491	0.0938677386868168	0.0287830854293317
ACC	MPHOSF	cg09559995	-0.380380921668709	80	-3.60912749555916	0.000544270993525104	0.144689645569537	0.00402911264222653
ACC	MPHOSF	cg11051893	0.169976868814927	80	1.51356630806724	0.134229881882002	0.0288921359321269	0.292517211920233
ACC	MPHOSF	cg19693579	0.288997032224979	80	2.64897024491235	0.00979200058325272	0.0835192846348458	0.0419055392987987

ACC	MPHOSF	cg20759595	-0.3261559275934	80	-3.02756612153456	0.00335273838972989	0.106377689104311	0.018000202228478
ACC	MPHOSF	cg20952532	-0.314575485501466	80	-2.90802179393508	0.00475022004931437	0.098957736078483	0.0238104779971883
ACC	MPHOSF	cg21958444	-0.130362953035885	80	-1.15377620585616	0.252160623690024	0.0169944995242365	0.445996953660435
ACC	MPHOSF	cg22656705	0.101389882982208	80	0.894301153811132	0.37394766007131	0.0102799083711458	0.572587573664281
ACC	MSH6	cg00620552	0.197527573537725	80	1.76813438946987	0.0809994748099578	0.0390171423077013	0.204716880783077
ACC	MSH6	cg02905881	-0.0225723082291661	80	-0.198121679682079	0.843471997055551	0.00050950909879248	0.916388578835445
ACC	MSH6	cg05039065	0.22705737163248	80	2.04585525796439	0.0441853388611259	0.05155505001265	0.131810501240986
ACC	MSH6	cg07652213	-0.0511709186679684	80	-0.449612021026067	0.654253337376368	0.00261846291732384	0.798271367616449
ACC	MSH6	cg09898070	0.242145659897659	80	2.18999396364337	0.0315520313499467	0.0586345206072725	0.10248679443999
ACC	MSH6	cg11869233	-0.323874151342533	80	-3.00389348856028	0.00359479535915751	0.104894465907846	0.0190294426307429
ACC	MSH6	cg16595246	0.0459749606940208	80	0.4038556828543	0.687438282481301	0.00211369701081675	0.820210943809916
ACC	MSH6	cg18222961	-0.0258701711186356	80	-0.227085833366176	0.820958831510373	0.000669265753707485	0.903831977165876
ACC	MSH6	cg19076255	-0.0734859530491548	80	-0.646584823256344	0.519823380530627	0.00540018529554258	0.700290958880891
ACC	MSH6	cg19736286	-0.021220600062949	80	-0.186251950471643	0.852737002263183	0.000450313867031631	0.921544397245133
ACC	MSH6	cg21405109	0.1026955937763	80	0.905940036724963	0.367793755281519	0.0105463849810668	0.566700615943482
ACC	MTA1	cg01318265	-0.0393312515309984	80	-0.345397590838512	0.730737298247121	0.00154694734699466	0.847816995717239
ACC	MTA1	cg01655777	0.029397597369734	80	0.258074410468133	0.797038008642238	0.000864218731112993	0.888951979763185
ACC	MTA1	cg05922925	-0.517477539513307	80	-5.30660747422888	1.04252987990161e-06	0.267783003900746	1.77157207245665e-05
ACC	MTA1	cg13052453	-0.139297727353019	80	-1.23436700150334	0.220820117607095	0.019403856845716	0.409066604994448
ACC	MTA1	cg13981078	0.0804879695868386	80	0.708577991169722	0.480726122290806	0.00647831324821186	0.66794563141851
ACC	MTA1	cg16531924	-0.0806044673867423	80	-0.709610284711563	0.480089194722249	0.0064970801627004	0.667346713378408
ACC	MTA1	cg20222911	-0.181942936355718	80	-1.62364286277001	0.108539176700322	0.033103232089741	0.252585979605277
ACC	MTA1	cg21517792	-0.0116257471406124	80	-0.102022411941082	0.919004101800143	0.000135157996577458	0.957311834274317
ACC	MTA1	cg23123838	-0.277484115600188	80	-2.53444012546024	0.0132919793561526	0.0769974344104184	0.0532221849406825
ACC	MTA1	cg23883989	-0.283880718179268	80	-2.59792276686245	0.0112331500321749	0.0805882621539769	0.0466861669838131
ACC	MTA1	cg23966123	-0.20189452931518	80	-1.80886681199713	0.0743751829135123	0.0407614009673981	0.192666108959322
ACC	MTA2	cg00501779	-0.163452427375035	80	-1.4538416296798	0.150054136185397	0.0267166960147909	0.315725298742509
ACC	MTA2	cg07654871	0.158541368037202	80	1.40901561508446	0.162856222122522	0.0251353653791076	0.333592522441714
ACC	MTA2	cg09086761	0.0320726747908779	80	0.281581441647041	0.779019831029632	0.00102865646824142	0.877796476464647
ACC	MTA2	cg13708959	-0.146448212256781	80	-1.29908413259242	0.197791597370597	0.0214470788732072	0.38019412538588
ACC	MTA2	cg19570317	-0.0323544849211496	80	-0.284058169734376	0.777128259032743	0.00104681269451289	0.876769912595438
ACC	MTA2	cg21002970	-0.00110322617370841	80	-0.0096807762768070	0.992301016901576	1.21710799035531e-06	0.995936850843003
ACC	MTF2	cg05396182	0.21788783924776	80	1.95902594773568	0.0537300992529771	0.0474751104920579	0.152078564354597
ACC	MTF2	cg05962718	-0.29737596235299	80	-2.73310802777927	0.00777920371729206	0.0884324629853671	0.0351704380683438
ACC	MTF2	cg09936581	0.376842614808276	80	3.56996820582669	0.000618912608780582	0.142010356335539	0.00449264602850393
ACC	MTF2	cg11404133	-0.141028595290457	80	-1.25001413900386	0.215080198774385	0.0198890646895996	0.402113650167135
ACC	MTF2	cg14474880	-0.259165265229817	80	-2.35461616604719	0.0210909643112634	0.0671666347016416	0.0758623302029973
ACC	MTF2	cg15463775	-0.242015955924077	80	-2.18874790204641	0.0316460485091449	0.0585717229218448	0.102708287827311
ACC	MTF2	cg16813892	-0.125980009046977	80	-1.11434835097163	0.268595983439214	0.0158709626794763	0.464386879936781
ACC	MTF2	cg19708337	-0.120026933321197	80	-1.06090171028103	0.292050918838085	0.0144064647224911	0.489798844049712
ACC	MTF2	cg22801127	-0.0288806492014515	80	-0.253532424955615	0.800532531704775	0.000834091898297299	0.891040859775671
ACC	MTF2	cg23992808	-0.0829573992748735	80	-0.7304660719209	0.467322101753399	0.00688193009445079	0.656426260473502
ACC	MTF2	cg26054395	-0.330023674915029	80	-3.06782826605073	0.00297550390792539	0.108915626004421	0.0163561306663012
ACC	NAP1L2	cg02379437	-0.188264031806881	80	-1.68208852066758	0.0966031545032337	0.0354433456721822	0.2323505380109
ACC	NAP1L2	cg04297329	-0.0261397089058192	80	-0.229453419109569	0.819124922827383	0.000683284381680964	0.902710918851084
ACC	NAP1L2	cg07693661	0.0329900242931255	80	0.289643947012947	0.772867145340977	0.00108834170286101	0.874054002219223
ACC	NAP1L2	cg20001978	-0.110410713277949	80	-0.974810019658337	0.332707067220701	0.0121905256065455	0.532362726451704
ACC	NAP1L2	cg23483095	-0.171728341909347	80	-1.52963379959157	0.130205420378808	0.0294906234149334	0.286499801243078
ACC	NCOA1	cg11380327	-0.226077652923836	80	-2.03655112235219	0.0451329952996221	0.0511111051515505	0.133882792615397
ACC	NCOA1	cg13911252	0.187468880009564	80	1.67472470601683	0.0980454092319147	0.0351445809720404	0.234724112325417
ACC	NCOA1	cg15477048	0.0900100466370811	80	0.79305407329473	0.430183224017386	0.00810180849560952	0.624208190722558
ACC	NCOA1	cg23006163	-0.150497956483503	80	-1.33582887170984	0.185540139865597	0.0226496349057104	0.364271896847977
ACC	NCOA3	cg04175879	-0.356226943630868	80	-3.3453344670354	0.00127234065124202	0.126897635368589	0.00820053592566047
ACC	NCOA3	cg09568061	0.0745924825647892	80	0.656374973009791	0.513539688399666	0.00556403845517837	0.695162722848207
ACC	NCOA3	cg12128876	0.135164223004528	80	1.1970462860978	0.234960925657593	0.0182693671804178	0.426083364428233
ACC	NCOA3	cg14341558	-0.197463027643085	80	-1.76753317159448	0.0811007951478621	0.0389916472859737	0.204915887418649
ACC	NCOA3	cg14774045	-0.0653649907183292	80	-0.57480473035008	0.567099079001236	0.00427258201160726	0.735845911062184

ACC	NCOA3	cg18295930	-0.123862983254084	80	-1.09532802605558	0.276787205794182	0.0153420386206015	0.473478547123878
ACC	NCOA3	cg217135648	0.192304850393361	80	1.71956346068982	0.0895292959102667	0.0369811554848128	0.220045016301635
ACC	NCOA3	cg22511723	-0.32710894433676	80	-3.03747083178092	0.00325602385303596	0.10700026146511	0.0175889951824929
ACC	NCOA3	cg22876277	-0.034473642195211	80	-0.302684896245606	0.762946193675063	0.00118843200620343	0.868122094920758
ACC	NCOA3	cg24856420	0.152718567651794	80	1.35600632658759	0.17906054364105	0.0233229609056155	0.35580300335149
ACC	NCOA3	cg25373408	-0.0917136366448168	80	-0.808190074617837	0.421471074482809	0.00841139114661748	0.616595595873804
ACC	NCOR1	cg00253204	-0.0909282213277895	80	-0.801210961294602	0.425475012166386	0.00826794143383548	0.620148248127892
ACC	NCOR1	cg08125503	-0.193286949627407	80	-1.72868517685907	0.0878733757639049	0.0373598448962678	0.217154428023419
ACC	NCOR1	cg08206308	-0.113093777909432	80	-0.998801868548072	0.321019185730452	0.0127902026018278	0.520473647090883
ACC	NCOR1	cg21211144	0.0816127045486783	80	0.718545558321364	0.474595759271997	0.00666063354374986	0.662507314860488
ACC	NCOR1	cg22291359	-0.0621874609052783	80	-0.546750998589854	0.586130812412466	0.00386728029384552	0.750364049527354
ACC	NCOR1	cg22625220	-0.130420984251199	80	-1.154298696022	0.251947731474279	0.0170096331330515	0.445748830418004
ACC	NCOR2	cg08976554	-0.123719275956556	80	-1.09403744787511	0.277349224719386	0.0153064592432145	0.474106343532486
ACC	NCOR2	cg10641483	-0.145535122625754	80	-1.2908086472673	0.200632283882056	0.0211804719176932	0.383658322902529
ACC	NCOR2	cg13416396	-0.386137260108885	80	-3.67323164938304	0.000440214986716181	0.149101983644397	0.00336537781806197
ACC	NCOR2	cg13419087	-0.187936692819474	80	-1.67905665545164	0.0971948574760087	0.0353202005079215	0.233304845644377
ACC	NCOR2	cg13857025	-0.376520973597259	80	-3.5664176038414	0.000626140734645573	0.141768043558628	0.00453580336260524
ACC	NCOR2	cg16181859	-0.395144412776027	80	-3.77455517118031	0.000313376403799905	0.156139106948111	0.002535233356615
ACC	NCOR2	cg19895345	-0.0140713911238631	80	-0.123488182178189	0.902042306534676	0.000198004048160734	0.948253223954811
ACC	NCOR2	cg23611643	-0.528096845768715	80	-5.45703898488185	5.68181373411161e-07	0.27886278510865	1.03636815388389e-05
ACC	NCOR2	cg24626542	-0.391972937289572	80	-3.73873423853893	0.000353603016746922	0.153642783567414	0.00280438302424407
ACC	NCOR2	cg25113767	0.0337887655915643	80	0.296664611250482	0.767521328076017	0.00114168068020168	0.871185848079126
ACC	NCOR2	cg25449924	-0.307308013426977	80	-2.83374132968627	0.00587139688329975	0.0944382151164352	0.028187569484236
ACC	ORC1	cg00298020	-0.189478282293002	80	-1.69334018567406	0.0944328979973854	0.0359020194607066	0.228579385382514
ACC	ORC1	cg02275620	0.142970416350155	80	1.26758223188635	0.208767111833504	0.0204405399513367	0.393984431643527
ACC	ORC1	cg04407474	-0.100469377093867	80	-0.886098731717133	0.378323368793472	0.0100940957336296	0.576914400704093
ACC	ORC1	cg07142859	-0.153997180077398	80	-1.36763388278337	0.175405315339974	0.0237151314717906	0.351090136766649
ACC	ORC1	cg08613513	0.0313814724795601	80	0.27550699605382	0.783664749466303	0.000984796814985388	0.880621304294228
ACC	ORC1	cg10586599	0.0291059929052378	80	0.255512303886122	0.799008742934352	0.000847158822999755	0.890253276914179
ACC	ORC1	cg13460942	-0.105730626759232	80	-0.933012196788349	0.353730159688346	0.0111789654349001	0.55274955895057
ACC	ORC1	cg16136434	0.096293591751862	80	0.848917780785738	0.398558576928589	0.00927245581247426	0.595157042261088
ACC	ORC1	cg16965475	-0.242887303369155	80	-2.19712130506558	0.0310189433662662	0.05899424213794	0.10116616534711
ACC	ORC1	cg17146111	0.0406682438739178	80	0.357157866693951	0.72195063498344	0.00165390605978846	0.8424531318734
ACC	ORC1	cg19776520	0.00450077528842262	80	0.0394945428936359	0.968598326853443	2.02569781968757e-05	0.983470202724742
ACC	ORC1	cg21197365	-0.0525477079346937	80	-0.461742201955418	0.645568087475684	0.00276126160918987	0.792214020177017
ACC	ORC1	cg23606758	-0.127451074808187	80	-1.12757416936745	0.263001194886238	0.0162437764697621	0.458387867050583
ACC	ORC1	cg25605769	0.0266038714970873	80	0.233530682117654	0.815969083683924	0.000707765978633535	0.900926777599523
ACC	PADI1	cg14524955	0.046961286389001	80	0.412538765475638	0.681090962464759	0.00220536241930977	0.816029421438217
ACC	PADI1	cg21010178	0.077047050221654	80	0.67810080495588	0.49974051776612	0.00593624794785807	0.683824910981101
ACC	PADI1	cg22193702	0.0186968260865242	80	0.164092666617333	0.870088167149673	0.000349571305709731	0.931107602851242
ACC	PADI2	cg00569276	-0.368595276716823	80	-3.47939469320809	0.000830449431224126	0.135862478017951	0.00574921981424309
ACC	PADI2	cg01603374	-0.0881968439967004	80	-0.776951895951493	0.439567527944286	0.00777868329097831	0.632200337750005
ACC	PADI2	cg07014827	-0.101495029710056	80	-0.895238240058317	0.373449796668761	0.0103012410558451	0.572005384564867
ACC	PADI2	cg09313801	-0.0746116513118524	80	-0.656544592125341	0.513431176711523	0.00556689851148144	0.695088404035574
ACC	PADI2	cg10233913	-0.148600657514335	80	-1.31860557667579	0.191209609200432	0.0220821554136926	0.371680898987204
ACC	PADI2	cg15185794	-0.101246139531905	80	-0.893020135730495	0.374628927629601	0.010250780770114	0.573269656477777
ACC	PADI2	cg17183414	-0.0959007481228872	80	-0.845422284203285	0.400494553778507	0.00919695349052945	0.596994377453703
ACC	PADI2	cg18228326	-0.0957160321931162	80	-0.843778832016414	0.401406765781338	0.00916155881879365	0.597967100784984
ACC	PADI2	cg18879300	-0.0741828343555996	80	-0.652750280157833	0.5158614459871	0.00550309291303032	0.697044193096077
ACC	PADI2	cg19282714	-0.0740456967593569	80	-0.651536919021563	0.516639889914453	0.00548276520857863	0.697709438700557
ACC	PADI3	cg01459162	0.0684655992503916	80	0.602196262095642	0.548812751655122	0.00468753828071523	0.721927736676146
ACC	PADI3	cg12858514	-0.211004604528005	80	-1.89420580649088	0.0619529155506839	0.0445229431320197	0.168539834674426
ACC	PADI3	cg14664242	-0.169428899150329	80	-1.50854243956448	0.135508153957979	0.0287061518672923	0.294436127507887
ACC	PADI3	cg17589397	0.0262446985321906	80	0.230375648197872	0.818410845540622	0.000688784201045567	0.902329499224449
ACC	PADI3	cg18768338	-0.216477879683015	80	-1.94572361121355	0.0553373930279833	0.0468626723920541	0.155288837501585
ACC	PADI3	cg21966975	-0.201784371297756	80	-1.80783795171149	0.0745367743476802	0.0407169325000306	0.192987879371745
ACC	PADI4	cg16091981	-0.334457652318696	80	-3.11419823453891	0.00259010537751017	0.111861921194534	0.0146403151738739

ACC	PADI4	cg18333690	-0.328144358657129	79	-3.02838518915443	0.0033572560635712	0.107678720118498	0.0180194824209644
ACC	PADI4	cg19159961	0.0218881629539567	80	0.192113876019252	0.848158758570142	0.000479091677498964	0.918964658275845
ACC	PADI4	cg21295838	-0.271007273727978	80	-2.47053319959631	0.0157021476889516	0.0734449424134712	0.0604539679953626
ACC	PADI4	cg23228178	-0.00934363445154716	80	-0.0819936388052763	0.934864536551595	8.7303504764139e-05	0.965353700791042
ACC	PADI4	cg26918754	-0.187241514422267	80	-1.67261972603791	0.0984608924731041	0.0350593847231441	0.235493656430322
ACC	PADI6	cg12643633	0.101563642434952	80	0.89584974514814	0.373125136558863	0.0103151734646548	0.571688204070197
ACC	PADI6	cg16017904	0.0846817465927369	80	0.745758036308256	0.458084203646927	0.00717099820599651	0.648141621494065
ACC	PARP1	cg00653565	0.00184800085185913	80	0.0162161693529357	0.987103880627002	3.41510714847207e-06	0.993204285131626
ACC	PARP1	cg02088626	0.28054692115718	80	2.56479042473627	0.0122686132562146	0.0787065749707732	0.0500301147797852
ACC	PARP1	cg03149313	-0.0750543887238395	80	-0.660462461117196	0.510928160683978	0.00563316126670921	0.693123120276386
ACC	PARP1	cg04960271	0.166386508804966	80	1.48067539883071	0.142773490076889	0.0276844703123051	0.305378485250379
ACC	PARP1	cg07113065	-0.276738892309038	80	-2.52706818815668	0.0135518880872531	0.0765844145164335	0.0540283699000548
ACC	PARP1	cg17661881	0.151704841905058	80	1.34679257805866	0.181997758052531	0.0230143590574386	0.359563308322211
ACC	PARP1	cg25722198	-0.0460474567470121	80	-0.404493858622139	0.686971004666401	0.00212036827286795	0.819842026463013
ACC	PARP1	cg26464410	0.0953998399515775	80	0.840965814572051	0.40297110304029	0.00910112946278661	0.599493880324263
ACC	PARP2	cg01813761	-0.422397913729823	80	-4.08923620403534	0.000105470527986759	0.178419997523307	0.00100822981742466
ACC	PARP2	cg10910545	-0.559633009612662	80	-5.92556952357233	8.24668550969708e-08	0.313189105448126	1.82463780586284e-06
ACC	PARP2	cg15078479	-0.20354816961433	80	-1.82432020557519	0.0719830075570493	0.041431857353344	0.188147904777512
ACC	PARP2	cg15365367	-0.421068452934083	80	-4.07358666378494	0.000111468204499015	0.177298642056302	0.00105832830226074
ACC	PARP2	cg18899035	-0.196362740107735	80	-1.75728812737779	0.0828435245216132	0.0385583257026179	0.208089152647134
ACC	PARP2	cg19540080	0.127970275990682	80	1.13224391987437	0.261045525173106	0.0163763915371312	0.45631349059223
ACC	PARP2	cg24595957	0.264104190487564	80	2.40281898253073	0.0186769125514592	0.0697510234330917	0.0690533593949061
ACC	PARP2	cg26206608	0.0475842531247175	80	0.418023652125021	0.677093315439399	0.00226426114543718	0.813469813770889
ACC	PARP2	cg26430074	0.0960743138234458	80	0.846966611041608	0.39963852063048	0.00923027377664594	0.596281540024083
ACC	PAXIP1	cg02824291	0.0355036585312881	80	0.311739876768126	0.756080751130831	0.00126050976910631	0.863936438536244
ACC	PAXIP1	cg12220104	0.0927037617688601	80	0.816990385762315	0.416454563204176	0.00859398744609757	0.612004199140595
ACC	PAXIP1	cg22583711	0.0538106535552168	80	0.472871685341573	0.637642421658189	0.00289558643603957	0.786859254070434
ACC	PAXIP1	cg24448952	-0.499392513028741	80	-5.05802591810029	2.79894745330987e-06	0.249392882069161	4.25606563149274e-05
ACC	PAXIP1	cg24452135	0.0889578282964101	80	0.783708872697405	0.435615068009385	0.00791349521521359	0.628788900803044
ACC	PCGF1	cg03203239	0.0596570819059714	80	0.524422802805329	0.601490987404221	0.00355896742153578	0.761139404816406
ACC	PCGF1	cg08092637	0.0443296339356007	80	0.389373729590258	0.698074512219007	0.00196511644486436	0.82680199451243
ACC	PCGF1	cg27306986	0.0389174228019898	80	0.34175790462273	0.733464061782687	0.00151456579754883	0.849577691419927
ACC	PCGF2	cg09395368	-0.191271276380564	80	-1.7099694416038	0.0912985109639173	0.0365847011682502	0.223135734181466
ACC	PCGF2	cg17902383	0.00625735102769165	80	0.0549091074056558	0.956353098578336	3.91544418837537e-05	0.976973814959796
ACC	PCGF2	cg20228512	-0.192585272453685	80	-1.72216746595923	0.0890539826640181	0.0370890871660603	0.219187696629374
ACC	PCGF2	cg25377665	0.00529326062288702	80	0.0464488241792757	0.963072780289857	2.80186080218063e-05	0.980593736844525
ACC	PCGF5	cg03905463	0.0761432884298461	80	0.670100021212941	0.504798765501044	0.00579780037291074	0.687987301390824
ACC	PCGF5	cg06001881	0.010292234682275	80	0.0903187766686226	0.928268432277243	0.000105930094755024	0.962135366888748
ACC	PCGF5	cg07421809	-0.163482201593101	80	-1.45411373064033	0.149978886082634	0.0267264302377272	0.315601864840875
ACC	PCGF5	cg07424295	0.153891800257341	80	1.36667530545746	0.175704489774588	0.0236826861864455	0.351508385473545
ACC	PCGF5	cg08633154	0.0881895061283916	80	0.776886747811439	0.439605737914031	0.00777738899116961	0.632243603839533
ACC	PCGF5	cg11113644	-0.0654154819084596	80	-0.575250645708891	0.5667990214912	0.00427918527331601	0.735701990153942
ACC	PCGF5	cg12783297	-0.0156623185815041	80	-0.137453148004505	0.89103141664584	0.000245308223348527	0.942381675700361
ACC	PCGF5	cg15550435	0.256242649258684	80	2.32618567046176	0.0226413266355746	0.0656602952991089	0.0799621627125927
ACC	PCGF5	cg17001035	0.23248832932204	80	2.09755142665164	0.0392260300785848	0.0540508232709536	0.120753028528093
ACC	PCGF5	cg20515900	0.0551138397937389	80	0.484358168442337	0.629506595046055	0.00303753533680992	0.781407272160917
ACC	PCGF5	cg22968329	-0.114382515240579	80	-1.01033353683984	0.315499899535634	0.0130833597927612	0.514700314232168
ACC	PCGF5	cg23395902	-0.284748226864727	80	-2.60656107796666	0.0109765151394545	0.0810815527026061	0.0458424340343974
ACC	PCGF5	cg25390656	0.188807918019563	80	1.68712736600565	0.0956262676556364	0.0356484299068821	0.230628406064068
ACC	PCGF6	cg01917164	-0.270912833917553	80	-2.46960407141945	0.0157399093913862	0.0733937635812396	0.0605484107794837
ACC	PCGF6	cg06691148	-0.198165895448219	80	-1.77408137974865	0.0800028902712468	0.0392697221187946	0.203065184696446
ACC	PCGF6	cg11612727	0.0839901249946938	80	0.73962375193988	0.461777332403564	0.00705434109662428	0.651342733795132
ACC	PCGF6	cg11814370	-0.212797121351531	80	-1.91105724222706	0.0597190976789517	0.045282614855498	0.16411570880445
ACC	PCGF6	cg14409890	-0.360322916733976	80	-3.38950160285057	0.00110675867346717	0.12983260432368	0.00730211044387287
ACC	PCGF6	cg16113748	-0.240875713390136	80	-2.17779898568324	0.0324827455644259	0.0580211093012069	0.104730412135961
ACC	PCGF6	cg16382383	0.2302348024985	80	2.07607574625354	0.0412245078734505	0.0530080642815235	0.125108034856332
ACC	PCGF6	cg24418712	0.168806854357247	80	1.50284118448725	0.136970371734672	0.028495754077989	0.296751973117417

ACC	PCGF6	cg25481680	0.0311679445157334	80	0.273630543379748	0.785101207105599	0.000971440765335834	0.881304483356512
ACC	PCGF6	cg26155979	0.271118447598115	80	2.47162706132314	0.0156577950207774	0.073505212628012	0.060317779429822
ACC	PCGF6	cg27217148	0.369954069470246	80	3.49425071485825	0.000791601678868633	0.136866013517595	0.00552089463192542
ACC	PHC1	cg02770112	-0.152371151455229	80	-1.35284817045457	0.18006324468753	0.0232169677957924	0.357141084615991
ACC	PHC1	cg08021945	-0.225164374984839	80	-2.02788382386036	0.0460314532953014	0.0506989957623133	0.135807002820353
ACC	PHC1	cg08867249	-0.107335898522681	80	-0.94734165549329	0.346428345979791	0.0115209951116713	0.545750337370188
ACC	PHC1	cg09059548	-0.236806164660799	80	-2.13879972249362	0.0356219129883941	0.0560771596213575	0.112315936408995
ACC	PHC1	cg09912793	-0.21037801841379	80	-1.88832000388967	0.0627495683919935	0.044258910631713	0.170124065082831
ACC	PHC1	cg12581035	0.303595609505678	80	2.79600957581788	0.00652971531018612	0.0921702941111238	0.0306654194289537
ACC	PHC1	cg14199415	0.0982204067485366	80	0.866068283675716	0.38914331821291	0.00964724830184798	0.58680063908803
ACC	PHC2	cg06899053	0.166284650157835	80	1.47974317311185	0.14302170506338	0.0276505848781135	0.305776473611353
ACC	PHC2	cg13640100	0.487659258570399	80	4.90151860740529	5.15729619727771e-06	0.237811552469431	7.31208865440756e-05
ACC	PHC2	cg15586632	-0.416768482219504	80	-4.02318770064224	0.00013309427003571	0.173695967771549	0.00123001751210059
ACC	PHC2	cg16558908	-0.153608147631412	80	-1.364095324045	0.176511636119322	0.0235954630187536	0.352506705865034
ACC	PHC2	cg17161743	0.66159398104661	80	7.74204004747705	3.18761248573217e-11	0.437706595757101	1.37841648535324e-09
ACC	PHC2	cg19746874	0.0838651256958003	80	0.738515195438988	0.462446539703446	0.00703335930797239	0.651897869947585
ACC	PHC2	cg21198021	-0.0880800152089963	80	-0.775914664586186	0.440176104319743	0.00775808907921702	0.632783144404511
ACC	PHC2	cg21578869	-0.231529901528118	80	-2.08841345407998	0.0400659027742845	0.0536060953016201	0.122634830044959
ACC	PHC2	cg23886755	0.0183465053516985	80	0.161017032079223	0.872501699795721	0.000336594258619901	0.932431206334427
ACC	PHF1	cg01097444	-0.231413499053602	80	-2.08730407205228	0.0401689174148016	0.0535522075442314	0.1228438069568
ACC	PHF1	cg02776641	-0.192289318112856	80	-1.71941924039174	0.0895556814275556	0.0369751818603071	0.220100198477838
ACC	PHF1	cg03560363	-0.193364710379236	80	-1.72940764720458	0.0877433047316581	0.0373899112200458	0.216922862575805
ACC	PHF1	cg03876174	-0.285112761948951	80	-2.6101930530959	0.0108702081453092	0.0812892870261593	0.0455059448127956
ACC	PHF1	cg06618123	0.234401473558329	80	2.11581133742071	0.0375933263544776	0.0549440508063158	0.117009491494768
ACC	PHF1	cg06919790	-0.18946195620325	80	-1.69318884917174	0.0944618216971864	0.0358958328483621	0.228628055413817
ACC	PHF1	cg07857404	-0.278347616005125	80	-2.54298829000189	0.0129962319150803	0.0774773953357368	0.0523144399048824
ACC	PHF1	cg08665801	-0.371430580681039	80	-3.51042324032867	0.000751268590726696	0.137960676265054	0.00528954554683615
ACC	PHF1	cg08798692	-0.351181498094466	80	-3.29123226522755	0.00150696004163555	0.123328444603874	0.00943596663546332
ACC	PHF1	cg10033570	0.0651285841620311	80	0.57271695347392	0.568504980403113	0.00424173247495077	0.736955296409305
ACC	PHF1	cg10797813	-0.21906818612397	80	-1.97017188951785	0.0524141200769026	0.0479908701716465	0.149331772835106
ACC	PHF1	cg13303256	0.0805247179289789	80	0.708903617133716	0.480525159638556	0.00648423019754161	0.667797603860834
ACC	PHF1	cg13528777	-0.283535180939015	80	-2.59448397658564	0.0113368156641604	0.0803921988301201	0.0470217829046954
ACC	PHF1	cg13547657	0.0404828009070623	80	0.355526584366605	0.72316724319732	0.00163885716928084	0.843133346081564
ACC	PHF1	cg18443095	0.0158287522730948	80	0.138914141010676	0.889880673335614	0.000250549398523003	0.941612855025446
ACC	PHF1	cg20135607	-0.18486119838821	80	-1.65059910246908	0.102893829976563	0.0341736626695253	0.243124187325333
ACC	PHF1	cg20872639	-0.11419650511933	80	-1.00866879384942	0.316292730547463	0.0130408417814691	0.515561259695121
ACC	PHF1	cg23345642	0.13216932401893	80	1.17004574310195	0.245591366173189	0.017468730211621	0.438522189223215
ACC	PHF1	cg23718418	-0.0671221113128757	80	-0.590325457208531	0.556701066852462	0.00450537782709808	0.728049134987315
ACC	PHF1	cg24796663	-0.160156010151907	80	-1.42374134558129	0.15856106717414	0.0256499475877777	0.327723660663189
ACC	PHF1	cg26673053	-0.319670121405323	80	-2.96043100691102	0.0040818730961235	0.102188986519294	0.021085341011941
ACC	PHF10	cg04353997	-0.224885448394621	80	-2.0252378454767	0.0463087792447153	0.0505734648996499	0.136392881254056
ACC	PHF10	cg05243705	-0.124691882459525	80	-1.10277340959003	0.27356035723046	0.0155480655513	0.469935159724841
ACC	PHF10	cg05736120	-0.141592083111911	80	-1.25511061447291	0.213234505139281	0.0200483179999702	0.399652229571042
ACC	PHF10	cg07652237	-0.316536071558912	80	-2.9281572115129	0.00448231734610127	0.100195084597948	0.0227214193411042
ACC	PHF10	cg11442717	-0.150292494911789	80	-1.33396300786723	0.186148144124856	0.0225878340268102	0.365046186236227
ACC	PHF10	cg15342139	-0.12305477934183	80	-1.08807077518043	0.279957881432497	0.0151424787188666	0.47709793047295
ACC	PHF10	cg15360169	-0.477164014970946	80	-4.76448486439233	8.74342002471585e-06	0.227685497183193	0.000116151915540086
ACC	PHF10	cg16740543	0.104781624999878	80	0.924544409579854	0.358091345809962	0.010979188937615	0.557080313481187
ACC	PHF10	cg27124293	-0.473855528493575	80	-4.72184091894535	1.02896562129212e-05	0.224539061883925	0.000134375275378209
ACC	PHF11	cg00092518	-0.461473827794275	80	-4.56450313134871	1.86489234796806e-05	0.2129580937391	0.000225696072367497
ACC	PHF11	cg01214340	-0.460199053542984	80	-4.54850034083645	1.98006270668832e-05	0.211783168881858	0.000237272024343979
ACC	PHF11	cg02289189	0.0050377611782663	80	0.0442067358972408	0.964854054296634	2.5379037689247e-05	0.981512539573662
ACC	PHF11	cg05080330	-0.0225165407430972	80	-0.197631948665629	0.843853833147971	0.000506994607035554	0.916616553265309
ACC	PHF11	cg09997676	-0.481509370312887	80	-4.82089250983603	7.04168588992549e-06	0.231851273699113	9.59539169943709e-05
ACC	PHF11	cg16956501	-0.405987384651531	80	-3.89824701712632	0.00020546482200083	0.16482575649619	0.00177500614799917
ACC	PHF11	cg21320768	-0.42291302880109	80	-4.09530842359536	0.000103227984199616	0.178855429929712	0.000989833329572894
ACC	PHF11	cg23137039	-0.088179261172214	80	-0.776795789750156	0.439659088886095	0.00777558210087753	0.632281522510839

ACC	PHF11	cg24481868	-0.489396332804845	80	-4.92446401699993	4.71783203191513e-06	0.23950877056283	6.76532765144341e-05
ACC	PHF11	cg24984523	-0.390905272062091	80	-3.72671081266408	0.000368175785459809	0.152806931725937	0.00289992241521581
ACC	PHF11	cg25162948	-0.499581484075477	80	-5.06057629012795	2.77101560138112e-06	0.249581659231056	4.22021119212691e-05
ACC	PHF12	cg01406758	-0.222463324005331	80	-2.00228283202678	0.0487754582253747	0.0494899305275007	0.141641643853253
ACC	PHF12	cg02058367	-0.263017881999271	80	-2.3921996026985	0.0191865051733785	0.0691784062513824	0.0704552741778525
ACC	PHF12	cg06895197	0.306519803620426	80	2.82571834417951	0.00600604631368559	0.0939543900115046	0.0286946119834709
ACC	PHF12	cg08657247	0.135113793924792	80	1.19659136783771	0.235137237858347	0.0182557373087513	0.426303719078801
ACC	PHF12	cg08806622	-0.0561500988184346	80	-0.493493683369447	0.623068453551197	0.00315283359731997	0.776728478832505
ACC	PHF12	cg13564075	0.0386917381290518	80	0.339773048148492	0.734952516026441	0.00149705059944712	0.850581450752738
ACC	PHF14	cg06715026	-0.260934427833451	80	-2.37185977145119	0.0201972579011395	0.0680867756287705	0.0733737499374822
ACC	PHF14	cg07287563	-0.326005341097441	80	-3.02600202127285	0.00336825267609478	0.106279482424059	0.018073203880199
ACC	PHF14	cg07574654	-0.00974027927733558	80	-0.0854746584984108	0.932105902431976	9.48730404004929e-05	0.963996931661863
ACC	PHF14	cg11931558	-0.3405000250637	80	-3.17776447681014	0.00213699734017765	0.11594026706838	0.0125269814695034
ACC	PHF14	cg13029706	-0.369508903138887	80	-3.48938074672571	0.000804142917139928	0.136536829498904	0.00559198123679124
ACC	PHF14	cg16800461	-0.443215004667259	80	-4.33860925128167	4.30233978318422e-05	0.196439540362198	0.000466150725756313
ACC	PHF14	cg20819769	0.223600051646438	80	2.01305096355902	0.0476046785974	0.0499969830962897	0.139239702477954
ACC	PHF14	cg20964328	-0.0844836331007319	80	-0.744000773433021	0.459140428883985	0.00713748426189908	0.649059085326466
ACC	PHF14	cg22876561	-0.265897345383034	80	-2.42036978246816	0.0178611247628595	0.0707013982817445	0.066744564309823
ACC	PHF14	cg23083824	-0.293573943947388	80	-2.6948455878065	0.00864242651355999	0.0861856605648244	0.038126853135754
ACC	PHF14	cg24491907	-0.154573132206152	80	-1.37287382110416	0.173776761699903	0.0238928532000206	0.348817973982926
ACC	PHF19	cg11054680	-0.350273412113723	80	-3.28152984074602	0.00155311495185581	0.12269146323379	0.00967280638577141
ACC	PHF19	cg11594303	-0.0827894258437524	80	-0.728976794875016	0.468227370519941	0.00685408903153818	0.657235034142187
ACC	PHF19	cg13501527	-0.0600208495866874	80	-0.527632073022905	0.599271875129207	0.00360250238510775	0.759562259830684
ACC	PHF19	cg13793166	-0.287727699323546	80	-2.63628275726825	0.0101335861508471	0.0827872289580211	0.0430853255188828
ACC	PHF19	cg13851767	0.44189093352702	80	4.32249708700139	4.56284292660704e-05	0.195267597133381	0.000489940376304304
ACC	PHF19	cg13852822	0.234014884638699	80	2.11211947030856	0.0379185958988939	0.0547629662324637	0.117726725430921
ACC	PHF19	cg14218513	-0.15844658709825	80	-1.40815156313071	0.163110998564522	0.0251053209630833	0.333940129015432
ACC	PHF19	cg27207079	0.394251778365186	80	3.76445704684862	0.000324251280041053	0.155434464744112	0.00260748439937086
ACC	PHF20	cg01512265	-0.36271245030204	80	-3.41537186820166	0.00101943470550303	0.13156032160411	0.0068196665060644
ACC	PHF20	cg02674305	-0.307303861174212	80	-2.83369904811703	0.00587209916346644	0.0944356630925796	0.028187569484236
ACC	PHF20	cg02957488	-0.0286889108165537	80	-0.251847834196644	0.801829665633861	0.000823053603840173	0.891887839931751
ACC	PHF20	cg04179482	-0.0496032283874433	80	-0.435803035181844	0.664198970737579	0.00246048026645686	0.804950070363565
ACC	PHF20	cg09692677	0.0659651652925367	80	0.580105488653019	0.563537217660745	0.00435140303207168	0.733426143652758
ACC	PHF20	cg10372813	-0.454024336829346	80	-4.47148744080933	2.63804206302821e-05	0.206138098433327	0.000304667227213802
ACC	PHF20	cg21765224	0.0560752857243544	80	0.492834088351003	0.623532320399661	0.00314443766906798	0.776927085709719
ACC	PHF20	cg23538717	0.0797493873783497	80	0.702034051001208	0.484774646557705	0.00635996478722209	0.67148405274487
ACC	PHF20	cg23734815	0.167703476773791	80	1.49273289052064	0.139593350814567	0.0281244561220174	0.300709581958531
ACC	PHF20	cg25561939	0.0560183318147346	80	0.492331955698814	0.623885552357173	0.00313805349930571	0.777221834237663
ACC	PHF20	cg27405321	-0.312403017648205	80	-2.88575855416253	0.00506358332736296	0.0975956454357045	0.0250344074590959
ACC	PHF20L1	cg02898212	0.314430996646854	80	2.90653951781388	0.00477051439241586	0.098866851652334	0.0238891146857805
ACC	PHF20L1	cg05307234	-0.257702309339915	80	-2.34037628678376	0.0218552948393783	0.0664104802391254	0.0778877093194648
ACC	PHF20L1	cg10591701	-0.409305982849727	80	-3.93649334454572	0.000180039519977431	0.167531387596581	0.00158870172608034
ACC	PHF20L1	cg17646969	-0.127710424147501	80	-1.12990666679446	0.262023070553797	0.0163099524359346	0.457355165515383
ACC	PHF20L1	cg24511731	0.0439750367540057	80	0.386253030979944	0.700374529417491	0.00193380385751615	0.828365428012742
ACC	PHF20L1	cg26292018	0.390023956056226	80	3.71679932560261	0.00038061748101197	0.152118686297749	0.00298154831515911
ACC	PHF20L1	cg27342122	0.0279419198822897	80	0.2452851238686	0.806888229696204	0.000780750886708297	0.895373619105162
ACC	PHF21B	cg01775414	-0.104444771120008	80	-0.921539332968814	0.359647316131522	0.0109087102143108	0.558495381101542
ACC	PHF21B	cg01995480	-0.112081481958745	80	-0.989747391665693	0.325397649657264	0.0125622585980686	0.524848847368647
ACC	PHF21B	cg05064352	-0.0691142369054817	80	-0.607928675679361	0.545023723220576	0.00477677774302705	0.719051241804116
ACC	PHF21B	cg10080155	-0.0622490130613411	80	-0.54729426809585	0.585759404380024	0.00387493962711102	0.750140185570099
ACC	PHF21B	cg11428482	-0.0518511025449015	80	-0.455604445151079	0.649956680422689	0.00268853683512189	0.79526156018878
ACC	PHF21B	cg14786713	-0.0133153923763879	80	-0.116852453317105	0.907281225269869	0.000177299674137169	0.950929408254256
ACC	PHF21B	cg15679813	-0.0673882619292726	80	-0.592676855333794	0.555134064278529	0.00454117784584825	0.72665464571966
ACC	PHF21B	cg20495645	-0.0764061814680595	80	-0.672427177230247	0.503324661104714	0.00583790456653004	0.686751742452628
ACC	PHF21B	cg20525183	-0.0444672920776141	80	-0.390585255403268	0.697182353377306	0.00197734006471585	0.826399219851686
ACC	PHF21B	cg21715212	-0.00623842428548043	80	-0.0547430161915405	0.956484989689488	3.8917937565672e-05	0.977019042895837
ACC	PHF21B	cg23080354	-0.0812896170495179	80	-0.715682028057072	0.476352425050824	0.00660800184005726	0.664146110980945

ACC	PHF21B	cg25561581	-0.0577104487663756	80	-0.507252538446491	0.613427384412393	0.00333049589681647	0.769904166351705
ACC	PHF21B	cg25976257	-0.0626544161783624	80	-0.550872579946941	0.583315866636456	0.00392557586665143	0.748325767300733
ACC	PHF23	cg00039960	0.0525744109854698	80	0.461977494653631	0.645400098356902	0.00276406869046909	0.792142909701212
ACC	PHF23	cg01441172	0.0966714516255561	80	0.852280330689998	0.396701664967524	0.00934536955939223	0.593309801489638
ACC	PHF23	cg04379155	-0.238966912947011	80	-2.15949156573744	0.0339249591750942	0.0571051854834243	0.108215445057704
ACC	PHF23	cg11180288	-0.00147491806939218	80	-0.0129423676105505	0.989707248122116	2.17538331141956e-06	0.994436321090902
ACC	PHF23	cg13351208	-0.0464259848787313	80	-0.407826109545494	0.684533085612177	0.00215537207196018	0.818414072387559
ACC	PHF23	cg22033559	-0.200863599218988	80	-1.79924086362563	0.0758984845631061	0.0403461854912064	0.195569762780374
ACC	PHF23	cg26213471	-0.195483678249341	80	-1.7491079330589	0.0842571283941683	0.0382138684618919	0.210660422506699
ACC	PHF23	cg26784276	0.145404659106627	80	1.28962651007528	0.201040536337994	0.0211425148899144	0.3842217782552
ACC	PHIP	cg01492710	0.351471342342228	80	3.2943313277707	0.00149249118489208	0.123532104487847	0.0093642115684728
ACC	PHIP	cg04480383	-0.364063849712719	80	-3.43003706647001	0.0009728630418231	0.132542486667645	0.00656229146584464
ACC	PHIP	cg05801338	-0.444916448092558	80	-4.35936544412121	3.98787924458212e-05	0.197950645783298	0.000436886463812169
ACC	PHIP	cg06848288	-0.0783720345037439	80	-0.689833614541648	0.49237269887887	0.00614217579225603	0.677868575665996
ACC	PHIP	cg08287994	-0.321527455886386	80	-2.97960841875873	0.00385987493057802	0.103379904888772	0.0201824916218166
ACC	PHIP	cg08587415	-0.437042346154695	80	-4.26379420009575	5.64716132079151e-05	0.1910060123324	0.000589684923207591
ACC	PHIP	cg15564972	-0.12841921419055	80	-1.13628248046481	0.259362481635542	0.0164914945733183	0.4542154989171
ACC	PHIP	cg19494004	-0.322991622860626	80	-2.99475330413739	0.00369251756485631	0.104323588438141	0.0194459593447354
ACC	PHIP	cg19950079	-0.154252135973428	80	-1.36995326220158	0.174683034270536	0.0237937214523649	0.350095114593005
ACC	PHIP	cg21607066	0.194149207968044	80	1.73669826236095	0.0864395685757318	0.0376939149546188	0.214661297254053
ACC	PHIP	cg21875336	-0.414969172156236	80	-4.00219580296324	0.000143244125129193	0.172199413840032	0.00130884818772615
ACC	PHIP	cg26363168	-0.237420799322401	80	-2.14468217215231	0.0351321344208951	0.056368635950888	0.11116585600568
ACC	PHRF1	cg06063517	-0.0430108718293422	80	-0.377768453885955	0.706641955173845	0.00184993509552011	0.832719572828109
ACC	PHRF1	cg07530960	-0.306535699163318	80	-2.82588007736498	0.00600330416833808	0.0939641348615441	0.0286885585399406
ACC	PHRF1	cg08482978	-0.255865704397398	80	-2.32252383624788	0.0228481821787803	0.0654672586867766	0.0805224012148244
ACC	PHRF1	cg12469954	-0.253855342123504	80	-2.30301324366105	0.0239787906347851	0.0644425347246414	0.083534370992901
ACC	PHRF1	cg12813709	-0.196483980411109	80	-1.75841668593244	0.0826500474557201	0.0386059545581931	0.207707927857336
ACC	PHRF1	cg15219216	0.103632747855383	80	0.914296581905536	0.363415235171758	0.0107397464280574	0.562371196788505
ACC	PHRF1	cg16143007	-0.133722662204213	80	-1.18404575776086	0.240037206243492	0.017881750386982	0.431985898223477
ACC	PHRF1	cg18793109	-0.160317692697523	80	-1.42521655372323	0.158135646456367	0.0257017625918576	0.327172268833984
ACC	PHRF1	cg20152424	0.0982078865020951	80	0.865956809938283	0.389204065968763	0.00964478897120839	0.586817635008447
ACC	PHRF1	cg21006161	0.0597311253895904	80	0.525076020123601	0.601039001227928	0.00356780734030697	0.760873983947234
ACC	PPARGC	cg04893087	-0.136599604730701	80	-1.20999878251341	0.22998092525124	0.0186594520125838	0.420098058114843
ACC	PPARGC	cg05158538	-0.113638624434708	80	-1.00367654832484	0.318678266505143	0.0129137369634125	0.517995341924386
ACC	PPARGC	cg11270806	0.040733437976132	80	0.357731367084499	0.721523089259063	0.00165921296935539	0.842216701320644
ACC	PPARGC	cg12691631	-0.144058611735476	80	-1.27743390019687	0.20528737408976	0.0207528836151526	0.38954017215178
ACC	PPARGC	cg20723350	-0.0747976121893229	80	-0.658190148207483	0.512379085103478	0.00559468278922434	0.694268171782348
ACC	PPARGC	cg27461259	-0.124740891388591	80	-1.10321369353024	0.273370361474641	0.0155602899844203	0.469751146416289
ACC	PPARGC	cg27514608	-0.10341225828859	80	-0.912330269450251	0.364442507126392	0.0106940951643459	0.56339707700184
ACC	PRDM1	cg00555933	-0.0559800274647618	80	-0.491994249112637	0.624123166196447	0.00313376347495548	0.777368729720794
ACC	PRDM1	cg01761420	0.365292221398986	80	3.44338884805715	0.000932215714978946	0.133438407014605	0.00633258726258052
ACC	PRDM1	cg05170275	0.417969101984907	80	4.03722669927599	0.000126695627161738	0.17469817021407	0.00118037839753536
ACC	PRDM1	cg08742502	-0.115920931713896	80	-1.02410611574965	0.308991815932229	0.0134376624094178	0.507628013613327
ACC	PRDM1	cg14359052	-0.0266820208976092	80	-0.234217171147761	0.815438032522894	0.000711930239180456	0.900665358144551
ACC	PRDM1	cg17143179	-0.08370616283659	80	-0.737105483752054	0.463298342974039	0.00700672169682572	0.652612513685741
ACC	PRDM1	cg17521665	0.0542206960409327	80	0.476485598519954	0.635077837458401	0.00293988387916322	0.785049206170322
ACC	PRDM1	cg17965230	0.243306824042716	80	2.20115479425481	0.0307207651976259	0.0591982106257533	0.100429468606168
ACC	PRDM1	cg19464016	-0.00860426464141384	80	-0.0755049108013352	0.94000881888462	7.40333700194845e-05	0.96808289941897
ACC	PRDM1	cg22186515	-0.028153266827201	80	-0.247141876333247	0.805456191535108	0.000792606433043578	0.894330790509238
ACC	PRDM1	cg22196848	0.251809865569119	80	2.28319460795719	0.0251776136637956	0.063408208397938	0.0866781996442588
ACC	PRDM1	cg24040346	-0.0368308530847424	80	-0.323408852567931	0.747262334639389	0.00135651173894988	0.858087766892588
ACC	PRDM1	cg24793124	-0.231501664109259	80	-2.08814432665459	0.0400908723097832	0.0535930204853562	0.122682295667818
ACC	PRDM1	cg24874254	-0.0797769251342659	80	-0.702278018361078	0.484623374567006	0.00636435778387826	0.671346240024674
ACC	PRDM1	cg26351406	0.370164248814846	80	3.49655097403363	0.000785742565275825	0.137021571100659	0.00548609380031121
ACC	PRDM10	cg04181189	0.0939644319220198	80	0.828198864195816	0.410117577863436	0.0088293144664279	0.606046023332348
ACC	PRDM10	cg17627813	0.0337952393586853	80	0.296721515767444	0.767478044330015	0.00114211820331083	0.871163449049525
ACC	PRDM12	cg09191327	-0.0387545960583067	80	-0.34032586718789	0.734537851868075	0.00150191871564252	0.850335800540741

ACC	PRDM12	cg12539975	0.0186377526720748	80	0.163574028439715	0.870495070566802	0.00034736582466543	0.93126169045019
ACC	PRDM12	cg13795948	0.194533597741714	80	1.74027179618727	0.0858063842749423	0.0378433206503348	0.213475740362065
ACC	PRDM12	cg13928649	0.0484301945652408	80	0.425472494919769	0.671679078589151	0.00234548374562708	0.809891847852761
ACC	PRDM12	cg23342516	0.244491801880881	80	2.21255488757428	0.0298915347351976	0.0597762411869598	0.0983997145053301
ACC	PRDM13	cg00126261	0.316163394296924	80	2.92432658018988	0.00453218371072726	0.099959291893352	0.0229139338137594
ACC	PRDM13	cg00579292	0.275046134352165	80	2.51034131460042	0.0141586714202306	0.075650376022069	0.0558176959520251
ACC	PRDM13	cg01422797	0.227426425482642	80	2.04936176328304	0.0438326587148994	0.0517227790078117	0.131004566140339
ACC	PRDM13	cg01815538	0.00927034863182628	80	0.0813504747821126	0.935374318672376	8.59393637556034e-05	0.965541585356972
ACC	PRDM13	cg02400433	0.116497393723834	80	1.02926877494689	0.306575734710493	0.0135716427444461	0.505034573650434
ACC	PRDM13	cg03120185	0.303107532912429	80	2.7910594013933	0.00662093471666365	0.0918741765082593	0.0310002404663335
ACC	PRDM13	cg04910970	0.168679629286949	80	1.50167535077267	0.137270899400847	0.0284528173363825	0.297202287375525
ACC	PRDM13	cg11809464	0.225960752935552	80	2.03544138898656	0.0452471830784098	0.0510582618672014	0.134158442063484
ACC	PRDM13	cg13738144	0.133098624706761	80	1.17842033564059	0.24225800997084	0.0177152438988312	0.434645286616042
ACC	PRDM13	cg14344102	0.144779944709242	80	1.28396688949284	0.203003656325381	0.0209612323900113	0.386815729851389
ACC	PRDM13	cg17879189	0.115884841030342	80	1.02378293096231	0.30914348937164	0.0134292963806276	0.50776995993027
ACC	PRDM13	cg17978124	0.175320618345969	80	1.5626352269941	0.122239268595587	0.0307373192172131	0.274127462125254
ACC	PRDM13	cg25273233	0.235717911002835	80	2.12839110092125	0.0365031046515006	0.0555629335675406	0.11445033707709
ACC	PRDM13	cg25924096	0.0829799991564243	80	0.730666450563112	0.467200375576489	0.00688568026000018	0.656290827331119
ACC	PRDM13	cg26507427	0.236122954838659	80	2.13226415672652	0.03617302450134	0.0557540498017394	0.113659198925448
ACC	PRDM14	cg00384539	-0.122672796489712	80	-1.08464153374528	0.281464830940321	0.0150486149986064	0.478633015424867
ACC	PRDM14	cg01295203	-0.0555190813123369	80	-0.48793053253442	0.626985559676853	0.00308236838976587	0.779451150254904
ACC	PRDM14	cg04838988	-0.052675182626632	80	-0.462865448269415	0.644766302927744	0.00277467486474904	0.791637596786051
ACC	PRDM14	cg09050331	0.0291813937360739	80	0.256174787338027	0.798499044812587	0.000851553740379776	0.88994892109098
ACC	PRDM14	cg10457247	-0.0133282501544899	80	-0.116965309903864	0.907192089752958	0.00017764225218066	0.9509017960717
ACC	PRDM14	cg11229513	0.0507872549006776	80	0.446232218143757	0.656681879732839	0.0025793452603464	0.799954747841977
ACC	PRDM14	cg13267264	-0.0957442680476453	80	-0.844030045996514	0.401267245062829	0.00916696486397936	0.597850845796486
ACC	PRDM14	cg18035229	-0.0594138543774761	80	-0.522277091885239	0.602976786587517	0.00353000609198793	0.762161247453763
ACC	PRDM14	cg21255438	-0.140148600811298	80	-1.24205749088842	0.217985131038539	0.0196416303093646	0.405517606868145
ACC	PRDM14	cg27029821	-0.115802894708854	80	-1.02304913345105	0.309488053190345	0.0134103104229498	0.508142791623007
ACC	PRDM4	cg00090609	0.0722420036928585	80	0.635581700183547	0.52693357183007	0.00521890709755898	0.705564125061723
ACC	PRDM4	cg03909902	-0.201991227318288	80	-1.80977001663671	0.074233567450445	0.0408004559135481	0.192420569980005
ACC	PRDM4	cg12900929	-0.188396247666687	80	-1.68331328948145	0.0963649615226084	0.0354931461348876	0.231972507463333
ACC	PRDM4	cg18440127	-0.214546510094825	80	-1.92752271641365	0.0576026176236021	0.0460302049938689	0.159813033102672
ACC	PRDM4	cg25995916	0.0916120903616393	80	0.807287660284476	0.421987520224502	0.00839277510042917	0.617104294383987
ACC	PRDM4	cg27140793	0.128728648471377	80	1.13906650431043	0.258206728846804	0.0165710649372673	0.452775809970799
ACC	PRDM5	cg05713693	0.0887461596218865	80	0.781829273349887	0.4367124269995	0.00787588084763335	0.629748637410527
ACC	PRDM5	cg06329345	-0.154491340466174	80	-1.37212960316421	0.174007357691982	0.0238675742790353	0.349136706496699
ACC	PRDM5	cg07070341	-0.169101156148463	80	-1.50553833105463	0.136277087037953	0.0285952010107469	0.295669893714594
ACC	PRDM5	cg10416963	-0.168350042602398	80	-1.49865552474354	0.138051758765682	0.0283417368442291	0.298355331742902
ACC	PRDM5	cg11171429	-0.125627229313712	80	-1.11117775042216	0.269949506777182	0.0157822007450401	0.466024275574732
ACC	PRDM5	cg13155001	-0.125218117562261	80	-1.10750140326319	0.271524895398124	0.0156795769658363	0.467832906918379
ACC	PRDM5	cg18181323	-0.179828236240706	80	-1.60413696875532	0.112778026657086	0.0323381945494431	0.259622166353136
ACC	PRDM5	cg19294653	-0.23658762842634	80	-2.13670884603394	0.0357974264036026	0.0559737059244001	0.112741880939104
ACC	PRDM5	cg22135105	-0.224273141044244	80	-2.01943115864057	0.0469224110834114	0.0502984417938512	0.137746492370676
ACC	PRDM8	cg01304890	-0.023050680388798	80	-0.202322657098442	0.840198106676558	0.000531333866386515	0.914394463222514
ACC	PRDM8	cg02895669	0.139796815161846	80	1.23887759092146	0.219154103796692	0.0195431495293953	0.407059531331563
ACC	PRDM8	cg04343891	-0.0479120791996754	80	-0.42091018010667	0.674993186043106	0.00229556733323597	0.812062847610495
ACC	PRDM8	cg05007549	0.240412604909369	80	2.17335483011279	0.0328278342489696	0.0577982205993084	0.105542362175656
ACC	PRDM8	cg07462804	0.213595213956931	80	1.91856659401143	0.058745819336697	0.045622915425307	0.162128291098304
ACC	PRDM8	cg08074201	0.110264743562232	80	0.973505388579381	0.33335056688541	0.0121583136728448	0.53294881733097
ACC	PRDM8	cg10695325	-0.00433954571980844	80	-0.0380797177025593	0.969722677765623	1.88316570543077e-05	0.984061878304425
ACC	PRDM8	cg11571772	0.25831108284616	80	2.34629976406845	0.021534414113502	0.0667246155211557	0.0770583353976898
ACC	PRDM8	cg12572049	-0.0262923297029155	80	-0.230794043010609	0.818086935169407	0.000691286601206813	0.902165910116911
ACC	PRDM8	cg14489346	0.290370611361232	80	2.66271689169794	0.00943373430477191	0.0843150919422954	0.040696940415096
ACC	PRDM8	cg15656813	-0.0196220549637668	80	-0.172215990440764	0.863719566473191	0.000385025041001086	0.92760558619032
ACC	PRDM8	cg16117799	-0.00703696655859434	80	-0.0617506598781873	0.950921402440416	4.95188983467751e-05	0.974097688734974
ACC	PRDM8	cg18624348	0.0374585346399054	80	0.328928154899936	0.743102955857021	0.001403141817369	0.855592329691577

ACC	PRDM8	cg19595012	-0.0454697600090101	80	-0.399408626898254	0.690697826762882	0.00206749907527697	0.822238021974067
ACC	PRDM8	cg20142271	-0.0193862836085026	80	-0.170145924073635	0.865341637205499	0.000375827992149295	0.928512062161531
ACC	PRDM8	cg26162932	-0.0406775137647282	80	-0.357239411920311	0.72188983744435	0.00165466012607965	0.842440242788694
ACC	PRKAA1	cg00301775	-0.408961646864665	80	-3.93251625169979	0.00018253590726005	0.167249628606259	0.001605993934561
ACC	PRKAA1	cg01883943	-0.0909654405642031	80	-0.801541653163305	0.425284783699509	0.00827471137703956	0.620085211739465
ACC	PRKAA1	cg03125217	0.0123092430227137	80	0.108021353030802	0.914259737578102	0.000151517463792225	0.95474759413586
ACC	PRKAA1	cg05874655	0.208979975737884	80	1.87519632994314	0.0645570120998605	0.0436726302594064	0.173656576739161
ACC	PRKAA1	cg06971720	-0.157895525628379	80	-1.40312870876072	0.164598121477	0.0249309970134621	0.336250262918036
ACC	PRKAA1	cg10786880	-0.239347015869082	80	-2.16313502983302	0.0336335658981054	0.0572869940054347	0.1074798564524
ACC	PRKAA1	cg24728477	0.0726394073905204	80	0.639096534179107	0.524656804715056	0.00527648350604598	0.703806584804853
ACC	PRKCD	cg02121118	-0.258714760587473	80	-2.35022927299344	0.0213238624387587	0.0669333273458336	0.0764666983756244
ACC	PRKCD	cg02559423	-0.110176917421667	80	-0.972720457088887	0.333738122856999	0.0121389531325409	0.533336555660177
ACC	PRKCD	cg02630105	-0.0891434698134978	80	-0.785357441245671	0.434653927037714	0.00794655821039	0.628071170384158
ACC	PRKCD	cg10531918	-0.318957792552691	80	-2.95308614826049	0.00416998288091856	0.101734073430085	0.0214635204603797
ACC	PRKCD	cg13469346	-0.156398974379583	80	-1.38949460505282	0.16868726396038	0.0244606391869854	0.341892426661121
ACC	PRKCD	cg13889007	-0.056102834161627	80	-0.49307697015803	0.623361493597019	0.00314752800096703	0.776845188275126
ACC	PRKCD	cg13908523	-0.064366174772837	80	-0.565984546509387	0.573050095281849	0.0041430044548874	0.74053889173202
ACC	PRKCD	cg14727059	-0.137323562296811	80	-1.2165345204166	0.227497301740904	0.0188577607618862	0.417177594503733
ACC	PRKCD	cg21903826	-0.0217340404361258	80	-0.190760490767745	0.849215313238429	0.000472368513679153	0.919597105763785
ACC	PRMT1	cg07702240	0.308667294775582	80	2.84759225087616	0.00564544863779089	0.0952754988640763	0.0273378170761472
ACC	PRMT1	cg08377944	0.0689683397782949	80	0.606639224939837	0.545874872731265	0.00475663189177433	0.7195967797385
ACC	PRMT1	cg11787855	0.24231948371794	80	2.19166407868061	0.0314264018618197	0.0587187321893292	0.102193934976316
ACC	PRMT1	cg14258555	-0.0276008537761693	80	-0.242288815204115	0.809200552035291	0.000761807129173482	0.896890461974033
ACC	PRMT1	cg14576628	-0.301435412061066	80	-2.77411870475003	0.00694201957242088	0.0908633076444245	0.0322012682974724
ACC	PRMT1	cg18880319	-0.323909886046277	80	-3.00426377056697	0.00359088749806927	0.104917614278512	0.0190150093271255
ACC	PRMT1	cg22292364	0.13518496628822	80	1.19723341299496	0.234888428788388	0.0182749751103471	0.425982502077541
ACC	PRMT1	cg24228123	-0.0545250247675365	80	-0.479167958719832	0.63317720226763	0.00297297832590047	0.783916404443511
ACC	PRMT1	cg25595446	-0.397602063934832	80	-3.80242352711765	0.00028514104207533	0.158087401245238	0.00234237193529126
ACC	PRMT1	cg26846726	0.0514053720545987	80	0.451677485522382	0.652771039752493	0.00264251227607172	0.797165007716528
ACC	PRMT2	cg04493422	0.32048535412409	80	2.96884377418085	0.00398307053643185	0.102710862208043	0.0206848457484099
ACC	PRMT2	cg06725035	-0.403390318374495	80	-3.86844518011665	0.000227624307031057	0.162723748958276	0.0019359139981605
ACC	PRMT2	cg09031657	-0.296919874839333	80	-2.72851061598047	0.00787859068004997	0.088161412074605	0.0354999758681614
ACC	PRMT2	cg10187059	-0.376720877145011	80	-3.56862416510019	0.00062163937596995	0.141918619276906	0.00450833988279916
ACC	PRMT2	cg10657630	-0.102490950750446	80	-0.904115572613954	0.368754144054773	0.0105043949857303	0.567505981969911
ACC	PRMT2	cg12162201	-0.471367826972209	80	-4.6899463626266	1.16170292494084e-05	0.222187628304503	0.000149279017745041
ACC	PRMT2	cg13271076	0.32431314475988	80	3.0084433224814	0.00354704993443694	0.105179015864043	0.0188483061884964
ACC	PRMT2	cg17243659	-0.201725693768962	80	-1.80728994109757	0.0746229634669848	0.0406932555265689	0.193140781641245
ACC	PRMT2	cg23283320	-0.215294540691705	79	-1.9219660104693	0.0583585116137252	0.0463517392516521	0.161362788430003
ACC	PRMT3	cg01769160	-0.0437471997268452	80	-0.384247985999639	0.701853768706203	0.00191381748394048	0.829245509510964
ACC	PRMT3	cg04101203	-0.0880079977613332	80	-0.775275294115963	0.440551488527663	0.00774540766995883	0.63318237660541
ACC	PRMT3	cg06578097	-0.141656069499633	80	-1.25568941908839	0.213025629748384	0.0200664420260849	0.399414712603836
ACC	PRMT3	cg13432154	-0.262428495385034	80	-2.38644205476229	0.0194679416083779	0.0688687151900529	0.0713134442257409
ACC	PRMT3	cg13982511	-0.0736017927541431	80	-0.647609615484115	0.519163739854326	0.00541722389662384	0.699831124706415
ACC	PRMT3	cg19653624	-0.289419568417867	80	-2.65319703939625	0.00968054679033821	0.0837636865831841	0.0415457525574996
ACC	PRMT3	cg23019633	-0.286929336272709	80	-2.62831056636032	0.010353719075519	0.0823284440138974	0.0437962710978697
ACC	PRMT3	cg23071995	-0.0612941511904952	80	-0.538867201150259	0.591533089486145	0.00375697297016329	0.754149080484138
ACC	PRMT6	cg00944433	-0.205524963340655	80	-1.84281487925029	0.0692048510071571	0.0422405105561774	0.182827526717519
ACC	PRMT6	cg02990361	-0.352891597848027	80	-3.30953258605057	0.00142339022729491	0.124532479831733	0.00900400222330297
ACC	PRMT6	cg02993280	-0.290445194392653	80	-2.66346382481967	0.0094146134456588	0.084358410945786	0.0406505210851741
ACC	PRMT6	cg09367891	-0.304555632673806	80	-2.80575341078858	0.00635351892196562	0.092754133393342	0.0300100577422826
ACC	PRMT6	cg14671364	-0.227901945544249	80	-2.05388121324193	0.0433816745909072	0.0519392967828538	0.130005694956297
ACC	PRMT6	cg14828511	-0.29602971449339	80	-2.71954359745339	0.00807578345850221	0.0876335918630379	0.0361940551011794
ACC	PRMT6	cg22528358	0.122706713090068	80	1.08494599934871	0.281330809663495	0.0150569374373684	0.478530610808714
ACC	PRMT7	cg00894222	-0.536441681462149	80	-5.57773206022889	3.47497452023069e-07	0.287769677609937	6.63880569319319e-06
ACC	PRMT7	cg02477175	-0.384140937559248	80	-3.65094364668235	0.000474038248120293	0.147564259908898	0.00358310643939662
ACC	PRMT7	cg06089844	-0.415558212004721	80	-4.009061647179	0.000139845277698179	0.172688627564561	0.00128246180988472
ACC	PRMT7	cg06092312	0.32494705053381	80	3.01501710946437	0.00347910347962961	0.105590585650622	0.0185537791705774

ACC	PRMT7	cg06745885	-0.461125749566104	80	-4.56012999980883	1.89570284587871e-05	0.212636956912901	0.0002268676532542
ACC	PRMT7	cg09175928	-0.357089251515453	80	-3.35461428429651	0.00123572571289772	0.127512733547867	0.00800966889761417
ACC	PRMT7	cg09779635	-0.412948323655156	80	-3.9786869048774	0.000155492774530916	0.170526318009604	0.00140427268421849
ACC	PRMT7	cg10233539	0.175486577097683	80	1.56416139676421	0.121880476760229	0.0307955387414609	0.27362258481719
ACC	PRMT7	cg10446007	-0.348081581594726	80	-3.25815463937744	0.00166981931451073	0.121160787445486	0.0102656807138492
ACC	PRMT7	cg11893236	0.147044815306777	80	1.30449307807201	0.195951175304227	0.0216221777086043	0.377855532102647
ACC	PRMT7	cg19328639	0.122395640370089	80	1.08215367812737	0.28256160348948	0.0149806927816042	0.479779932378658
ACC	PRMT7	cg21918026	-0.0112674049551157	80	-0.0988773538769649	0.921492610584584	0.000126954414422565	0.958838426887501
ACC	PRMT7	cg26492318	-0.185787131265046	80	-1.65916143252706	0.101151297721931	0.0345168581436953	0.240198576288385
ACC	PRMT7	cg26561196	0.373147667468136	80	3.52926971095634	0.000706721906371647	0.13923918173691	0.00502685599197915
ACC	PRMT7	cg26796563	0.229190836579363	80	2.06613893118022	0.0421785782823438	0.0525284395719484	0.12727852284316
ACC	PRMT8	cg01693063	0.33871243493187	80	3.1589130838813	0.00226298843421182	0.114726113577477	0.0131358694412083
ACC	PRMT8	cg06029846	-0.0404513950700345	80	-0.355250320935292	0.723373350856462	0.00163631536311201	0.84326516211296
ACC	PRMT8	cg07912789	-0.0909235056460902	80	-0.801169062837009	0.425499117611541	0.0082670838789746	0.620152846887594
ACC	PRMT8	cg10350722	-0.0313667579421108	80	-0.275377685631532	0.783763714827038	0.000983873503798972	0.880667221758884
ACC	PRMT8	cg11596580	-0.0161338358416055	80	-0.141592264421365	0.88777187963797	0.000260300658963874	0.940344778745559
ACC	PRMT8	cg19656577	0.0916521357446328	80	0.807643529729531	0.421783813344391	0.0084001139865526	0.616875974794863
ACC	PRMT8	cg21667836	0.350857252296839	80	3.28776665459832	0.00152329621565063	0.123100811489287	0.00952139689862809
ACC	PRMT8	cg23739862	-0.087559137549265	80	-0.771290591576358	0.442895182220747	0.0076666025683711	0.635175961143891
ACC	PRMT8	cg24100636	0.138902116019077	80	1.2307922797479	0.222147024918374	0.0192937978345772	0.410667403082077
ACC	PRMT8	cg27316886	0.139262400171951	80	1.23404776260249	0.220938380338248	0.0193940161016525	0.409162291047532
ACC	PWWP2E	cg00259755	-0.320438713120132	80	-2.96836226587208	0.00398866527779612	0.102680968866086	0.0207000818292776
ACC	PWWP2E	cg05010219	-0.383196689194989	80	-3.64042251962971	0.00049085004856968	0.146839702610001	0.0036911733860251
ACC	PWWP2E	cg15012692	-0.181342272441329	80	-1.61810001183497	0.109730421287951	0.0328850197741852	0.254535837841038
ACC	PWWP2E	cg15278699	-0.370072972676508	80	-3.49555194707422	0.000788282181812035	0.136954005105627	0.00550185035455638
ACC	PWWP2E	cg19919881	0.0416864633919505	80	0.366115480665012	0.71528290562457	0.00173776123012843	0.838088996490361
ACC	PWWP2E	cg22633292	-0.306773404923332	80	-2.82829898559256	0.00596242917281578	0.0941099219682546	0.0285282744984335
ACC	PWWP2E	cg22664157	0.0637265383431012	80	0.560337046458	0.576876285217709	0.00406107168919475	0.743522212999544
ACC	PWWP2E	cg24520806	-0.193704437566933	80	-1.73256442881562	0.0871768249320797	0.0375214091331218	0.21589946258647
ACC	PYGO1	cg06364757	-0.0247077976768238	80	-0.216876253605594	0.828878382448778	0.000610475266038861	0.907998049794771
ACC	PYGO1	cg09275667	-0.120428648485805	80	-1.06450458139434	0.290426995704029	0.0145030593761175	0.488011895491307
ACC	PYGO1	cg11480800	-0.00240097872268167	80	-0.0210685635134671	0.983245462873013	5.76469882677011e-06	0.991324666436562
ACC	PYGO1	cg12686317	-0.10945279007121	80	-0.966249566902673	0.336944378561744	0.0119799132543724	0.536535886272602
ACC	PYGO1	cg13878116	-0.023946313684356	80	-0.210188322149223	0.83407588147142	0.000573425939069578	0.911012396068489
ACC	PYGO1	cg17841803	-0.0936923303754639	80	-0.825779301324747	0.411480568992607	0.00877825277118507	0.607240656676507
ACC	PYGO1	cg19850348	-0.0314005777313036	80	-0.275674892062542	0.783536258658471	0.000985996281859638	0.880580552357001
ACC	PYGO1	cg22510134	0.0675891684760487	80	0.594451916695377	0.553952597408096	0.0045682956952837	0.725789362074593
ACC	PYGO1	cg23030278	-0.126480070005995	80	-1.11884337483462	0.266685221590497	0.0159972081087215	0.462410514162421
ACC	PYGO1	cg23412777	0.119134139615669	80	1.05289638345429	0.295681391371225	0.0141929432219657	0.493599668683786
ACC	PYGO1	cg25902187	-0.0882080369838153	80	-0.777051271419025	0.439509247083432	0.00778065778853812	0.632139889949869
ACC	PYGO2	cg01277844	0.0605528795678905	80	0.532326185231644	0.596032869589847	0.00366665122396345	0.75726241288446
ACC	PYGO2	cg02341811	-0.485607948924553	80	-4.87452068937584	5.72568496522369e-06	0.235815080058711	8.02710283266556e-05
ACC	PYGO2	cg04602755	-0.233649925750675	80	-2.1086351394318	0.0382278163214073	0.0545922878032961	0.118400665955331
ACC	PYGO2	cg10892866	-0.00557563139537232	80	-0.0489267274463957	0.961104377080238	3.10876654570615e-05	0.979633195133639
ACC	PYGO2	cg14024356	0.227365253477397	80	2.04878048306162	0.0438909550831289	0.0516949584888411	0.131148567687226
ACC	PYGO2	cg18188585	-0.387221432445022	80	-3.68536130218119	0.00042278559136327	0.149940437744775	0.00325323267008054
ACC	PYGO2	cg24683561	-0.356925821476669	80	-3.35285476094122	0.00124259106847762	0.127396042036795	0.00804612365416577
ACC	PYGO2	cg27105205	-0.111549100922254	80	-0.984986765771484	0.327715554038615	0.0124432019165631	0.527226652445631
ACC	RBBP4	cg05797186	-0.288425527985914	80	-2.64325595171815	0.00994453076024947	0.0831892851939532	0.0424369076227563
ACC	RBBP4	cg06526778	-0.0333083075370528	80	-0.292441481089775	0.770735656676923	0.00110944335098289	0.872988696827765
ACC	RBBP4	cg09036220	-0.076670810356124	80	-0.674769841631077	0.501843077631924	0.00587841316066473	0.685628639842959
ACC	RBBP4	cg11229946	-0.329374082523963	80	-3.06105416828005	0.00303607888233511	0.108487286238503	0.0166189642958329
ACC	RBBP4	cg13641837	-0.162359830151086	80	-1.44385940596972	0.15283508482286	0.0263607144466895	0.319877529520472
ACC	RBBP4	cg16148416	-0.023232698174144	80	-0.203921140589886	0.838953118945295	0.000539758264450876	0.913814129390939
ACC	RBBP4	cg16396527	-0.350108588866421	80	-3.27976992273623	0.00156162788400876	0.122576023998037	0.00971804492509217
ACC	RBBP4	cg18758482	-0.404214513165162	80	-3.87789081205493	0.000220364463696415	0.163389372653349	0.00188331625388832
ACC	RBBP4	cg20740619	0.0230499785534551	80	0.202316493606797	0.840202907937267	0.000531301511314741	0.914394463222514

ACC	RBBP4	cg22358606	0.0518473812215303	80	0.455571658547423	0.649980156816494	0.00268815093953069	0.795262451305531
ACC	RBBP4	cg22857567	-0.0599064107118042	80	-0.526622435432155	0.599969600883497	0.00358877804437137	0.760103966135248
ACC	RBBP4	cg23016766	-0.0471042516386286	80	-0.413797454626685	0.680172756895008	0.00221881052243524	0.815456778601441
ACC	RBBP4	cg26131911	-0.00659325043140746	80	-0.057856795291389	0.95401257984227	4.34709512512547e-05	0.975622803667631
ACC	RBBP5	cg00960017	-0.267840702006272	80	-2.43942124154526	0.0170117456883846	0.0717386416512124	0.0642776115441347
ACC	RBBP5	cg02189925	0.160653766964595	80	1.4282833067258	0.157254076884944	0.0258096328399145	0.325937805589411
ACC	RBBP5	cg03143531	-0.0356791915310084	80	-0.313283103990187	0.754912622313248	0.00127300470830638	0.863159889183057
ACC	RBBP5	cg05290904	-0.0291750292463715	80	-0.256118867770547	0.79854206454283	0.000851182331526631	0.889984117262574
ACC	RBBP5	cg07601985	0.19659705306169	80	1.7594692919559	0.0824699281945114	0.0386504012725409	0.207447222016571
ACC	RBBP5	cg07972983	-0.154967144235984	80	-1.37645931748686	0.172669056478759	0.0240148157926564	0.347374294129887
ACC	RBBP5	cg14717946	-0.145311645397755	80	-1.28878374966362	0.201331961702256	0.0211154742882028	0.384589776026159
ACC	RBBP5	cg18131828	-0.269109768025865	80	-2.45187966734695	0.0164760303156225	0.072420067246935	0.0627072554977269
ACC	RBBP5	cg21214746	-0.155419718181901	80	-1.38057855595753	0.171403111233476	0.0241552887997415	0.345562721305546
ACC	RBBP5	cg23227967	-0.0524432301336821	80	-0.460821610179223	0.646225528522306	0.00275029238685434	0.792578611768502
ACC	RBBP5	cg24103461	-0.104781865540638	80	-0.924546555561058	0.358090236207755	0.0109792393461763	0.557080313481187
ACC	RBBP5	cg26795850	-0.0847109994073555	80	-0.746017515755837	0.45792835806391	0.00717595342059299	0.64798100038639
ACC	RBBP7	cg01947226	-0.0768714771167371	80	-0.676546367912479	0.500721110780714	0.00590922399410903	0.684576687440903
ACC	RBBP7	cg03048084	-0.223304142868932	80	-2.01024701278215	0.0479071988137602	0.0498647402224284	0.139856372880429
ACC	RBBP7	cg03171708	-0.0271644417231076	80	-0.238455003755294	0.8121616713034	0.00073790689412811	0.898789476746567
ACC	RBBP7	cg03811055	0.0429036781937914	80	0.376825223902608	0.707339968249089	0.00184072560255641	0.833196636887628
ACC	RBBP7	cg07096248	-0.271661677579649	80	-2.47697354522754	0.0154426245944218	0.0738000670653891	0.0597183144060041
ACC	RBBP7	cg08363715	0.108857943610517	80	0.960935111881892	0.339592686453345	0.0118500518871106	0.538829538639408
ACC	RBBP7	cg14719055	-0.0311884588452475	80	-0.273810818689889	0.784963170680704	0.000972719965141698	0.88117496248102
ACC	RBBP7	cg15289846	-0.115608854486706	80	-1.02131166295568	0.310304935362377	0.0133654072357285	0.509140154421377
ACC	RBBP7	cg15464143	-0.0687277367212955	80	-0.604512840839566	0.547279937262179	0.00472350179483172	0.720671250052879
ACC	RBBP7	cg16978043	-0.0254814715664997	80	-0.223671632924415	0.823605193091163	0.000649305393194334	0.905058776260372
ACC	RBBP7	cg17878446	-0.0428458099807209	80	-0.376316029002515	0.707716889148419	0.00183576343290405	0.833451325720005
ACC	RBBP7	cg17880859	-0.183336465622639	80	-1.63650942706845	0.105814152252948	0.0336122596270012	0.247975735264023
ACC	RBBP7	cg21122900	-0.0421659716504772	80	-0.370334267513591	0.71215020918901	0.00177796916522885	0.836193677838789
ACC	RING1	cg01241018	-0.0860766715012372	80	-0.75813352765287	0.450685233099035	0.0074091933767319	0.64146599746979
ACC	RING1	cg01878788	-0.382362177259462	80	-3.6311352501606	0.000506159848203019	0.146200834598596	0.00378762978367696
ACC	RING1	cg02475416	-0.00809951735336769	80	-0.071075307716716	0.943522100873273	6.56021813575044e-05	0.969877884716377
ACC	RING1	cg03037740	-0.0138430167234491	80	-0.121483619219066	0.903624464635131	0.000191629112005693	0.948902049105388
ACC	RING1	cg06316695	-0.19594930993475	80	-1.75344036579978	0.0835059892971047	0.0383961320639049	0.209212744561494
ACC	RING1	cg06671577	0.00749618798764135	80	0.0657806308587606	0.947722969126466	5.61928343460585e-05	0.972179287949475
ACC	RING1	cg07946923	-0.317749204255537	80	-2.94063706831082	0.00432335113924618	0.100964556805027	0.0220916838857376
ACC	RING1	cg08892712	-0.0784877133704091	80	-0.690858131004631	0.491732167212438	0.00616032115011549	0.677310366970456
ACC	RING1	cg09478665	-0.0979055312611903	80	-0.863264922688917	0.390672799349745	0.00958549305153591	0.587908206376648
ACC	RING1	cg09724776	0.157844625410402	80	1.40266482773372	0.16473598676594	0.0249149257709502	0.336461218579368
ACC	RING1	cg09832551	-0.427711424530135	80	-4.1521062457109	8.43579840369621e-05	0.182937062673597	0.000831122721652916
ACC	RING1	cg09869033	-0.23223181279739	80	-2.09510508025489	0.0394493667968196	0.0539316148751618	0.121267793124107
ACC	RING1	cg10265934	0.0732324448158033	80	0.644342218789667	0.521268441715252	0.00536299097369967	0.701341355150403
ACC	RING1	cg12065531	-0.216318142171137	80	-1.94421736685513	0.055521938583258	0.0467935386323724	0.155614322856293
ACC	RING1	cg12115664	-0.248573385417926	80	-2.25190293291896	0.027178234669264	0.0617887279381287	0.0916989889344115
ACC	RING1	cg12256228	0.0836586151334549	80	0.736683833046394	0.463553294021957	0.00699876388604753	0.652794340450094
ACC	RING1	cg14046664	-0.355152829322972	80	-3.33378895944713	0.00131932108268677	0.126133532176112	0.00844734685650493
ACC	RING1	cg14363494	-0.122484167202282	80	-1.08294829967853	0.282210973525075	0.0150023712152367	0.47934150945197
ACC	RING1	cg18189601	-0.440120462188666	80	-4.3010076463899	4.93411525708731e-05	0.193706021237165	0.000523948351501297
ACC	RING1	cg20505183	0.0685967681373897	80	0.603355420838618	0.548045499213831	0.00470551659889481	0.721276460257837
ACC	RING1	cg24536938	-0.054339244033754	80	-0.477530467303079	0.634337184154295	0.00295275344215987	0.784652214539458
ACC	RING1	cg24550302	-0.483056133362429	80	-4.84108240404144	6.51484808493787e-06	0.233343227979061	8.9781415751932e-05
ACC	RNF17	cg00202166	-0.592075071573496	80	-6.44688976930747	9.08203783415209e-09	0.35055289037876	2.50364298819996e-07
ACC	RNF17	cg01405147	0.141028644842745	80	1.25001458712581	0.21508003597217	0.019889078666181	0.402113650167135
ACC	RNF17	cg07131398	-0.323099545315596	80	-2.99587056820048	0.00368044162034798	0.104393316183145	0.0193970287490628
ACC	RNF17	cg12020676	-0.235726759578511	80	-2.12847569902635	0.036495866941101	0.0555671051813852	0.114436093221121
ACC	RNF17	cg14855529	-0.162778770141049	80	-1.4476862926227	0.151764262820788	0.0264969280086325	0.318230432934781
ACC	RNF17	cg15523998	-0.00747158930658138	80	-0.0655647601728013	0.947894276104378	5.58246467662213e-05	0.972293178012039

ACC	RNF17	cg17806989	-0.631567120466846	80	-7.14797808707783	4.35533315718627e-10	0.398877027654783	1.53589658943857e-08
ACC	RNF17	cg20477497	-0.453565615860091	80	-4.46579883673672	2.69428104927283e-05	0.205721767890543	0.000310241118927073
ACC	RNF17	cg21831927	0.075894484808357	80	0.667897715623834	0.506195919024141	0.00575997282432592	0.689227361942138
ACC	RNF17	cg23678722	-0.243926827692365	80	-2.20711823577529	0.0302845121369591	0.0595002972680609	0.0993863462215817
ACC	RNF17	cg24753530	-0.468369572452861	80	-4.65169715963893	1.34295233562587e-05	0.219370056399676	0.000169297737802105
ACC	RNF20	cg04845236	0.0785760921133389	80	0.691640881287704	0.491243096143263	0.00617420225180393	0.676888402376439
ACC	RNF20	cg14625770	0.0661953166809638	80	0.582138359453001	0.562174146147174	0.00438181995049308	0.732460901811704
ACC	RNF20	cg21219529	0.197180183312691	80	1.76489887750946	0.0815459773994452	0.0388800246912264	0.205780062469587
ACC	RNF217	cg00991794	-0.26884345939914	80	-2.44926417610804	0.016587227677579	0.0722768056616971	0.0630071674780069
ACC	RNF217	cg02312409	-0.332627819688671	80	-3.09503414475067	0.00274337286580655	0.110641266430839	0.0153372582624905
ACC	RNF217	cg03113502	-0.0695258791379788	80	-0.611567014965362	0.542625731283353	0.00483384786990884	0.717176794758022
ACC	RNF217	cg06993703	-0.388339617085444	80	-3.69789032330833	0.000405473078989512	0.15080765819807	0.00313864405043882
ACC	RNF217	cg07439975	-0.00233705352305058	80	-0.0205076174407237	0.983691484690116	5.46181916960314e-06	0.99146197920873
ACC	RNF217	cg10621825	-0.199732840792489	80	-1.78868996511105	0.0775978817118253	0.0398932076910379	0.198611539663121
ACC	RNF217	cg16203203	-0.500556569414674	80	-5.07375146051905	2.63100642050094e-06	0.250556879184187	4.0275171560845e-05
ACC	RNF217	cg17382198	-0.255670310402744	80	-2.32062612578268	0.022956040206576	0.0653673076214354	0.0807927158808529
ACC	RNF217	cg18192252	-0.336445240678489	80	-3.13505946746883	0.00243235969483734	0.113195399975207	0.0139175485510574
ACC	RNF217	cg19171596	-0.298065157779144	80	-2.74005908849684	0.00763110890475007	0.0888428382819059	0.034663739900307
ACC	RNF217	cg19478500	-0.388777030510238	80	-3.70279667582525	0.000398879217584049	0.151147579452359	0.00309782822888439
ACC	RNF217	cg20034100	0.29905011081285	80	2.75000125739929	0.00742376290092814	0.0894309687771781	0.0339161505235379
ACC	RNF217	cg23521835	-0.290121388302216	80	-2.66022136031928	0.00949787417056626	0.0841704199504049	0.0409146477227439
ACC	RNF217	cg24822696	-0.040605534081753	80	-0.356606224628195	0.722361968857595	0.00164880939806441	0.842708698637653
ACC	RPH3A	cg00851732	-0.0900348753987097	80	-0.793274620339016	0.430055518409156	0.00810627878806118	0.624069447277917
ACC	RPH3A	cg00854817	-0.0428264712059447	80	-0.37614586379434	0.707842866679069	0.00183410663595361	0.833510967716594
ACC	RPH3A	cg01119407	-0.0902470782142727	80	-0.795159620322895	0.428964943653857	0.00814453512621305	0.623056336454222
ACC	RPH3A	cg01573562	0.0226249731328679	80	0.198584166578539	0.843111437238931	0.000511889409262994	0.916181865105899
ACC	RPH3A	cg05967001	-0.0330966182623267	80	-0.290580839313373	0.772153115725475	0.00109538614040218	0.873666770988549
ACC	RPH3A	cg08254200	0.0694394210285475	80	0.610802820708333	0.543128958759477	0.00482183319277988	0.717524950204374
ACC	RPH3A	cg09384610	-0.0646845035689828	80	-0.568795406716871	0.571150319093644	0.00418408500196574	0.739093233587354
ACC	RPH3A	cg11596863	-0.0470293196254879	80	-0.413137737905789	0.68065395577406	0.0022117569044363	0.815807380449992
ACC	RPH3A	cg16403344	0.013533065390783	80	0.118763042715321	0.905772379763742	0.000183143858871209	0.950080313234374
ACC	RPH3A	cg17453780	-0.0551982690255217	80	-0.485102425618818	0.628981004569152	0.00304684890341387	0.780933467441029
ACC	RPH3A	cg18629535	-0.0395608255451495	80	-0.347416805633516	0.729226044376506	0.00156505891781375	0.846833230113334
ACC	RPH3A	cg19712198	-0.0771092005371463	80	-0.6786510681723	0.499393641807107	0.00594582880747785	0.683590740616943
ACC	RPH3A	cg20704159	-0.115051603252925	80	-1.01632259489999	0.312658636039826	0.0132368714110686	0.511642355373109
ACC	RPH3A	cg21900624	0.032817154677965	80	0.28812455551336	0.774025529127658	0.00107696564115748	0.874804480662439
ACC	RPH3A	cg23199238	-0.111717102098037	80	-0.986488962901583	0.326982971314818	0.0124807109011832	0.52648894278102
ACC	RPH3A	cg23549179	-0.00071953060433158	80	-0.0063138570630671	0.994978634007531	5.17724290569769e-07	0.997367964782302
ACC	RPH3A	cg23596620	-0.0826562273702544	80	-0.727795882176469	0.468945900871048	0.0068320519230832	0.657861978876605
ACC	RTF1	cg04910470	-0.40683779929925	80	-3.9080301972503	0.00019865202553341	0.165516994938657	0.00172669672339063
ACC	RTF1	cg07091958	-0.145517045350367	80	-1.2906448439669	0.200688816696776	0.0211752104875008	0.383729363979506
ACC	RTF1	cg07129439	0.351831205373275	80	3.29818054685165	0.00147470167377187	0.123785197074412	0.00927054076843711
ACC	RTF1	cg15581235	0.0415106439842638	80	0.364568658331275	0.716432741264651	0.00172313356398829	0.838801649749722
ACC	RTF1	cg18782716	0.171648132301819	80	1.52889765537216	0.130387693664922	0.0294630813227028	0.286795415091861
ACC	RTF1	cg22263512	0.200016487257953	80	1.79133591665022	0.0771687659309213	0.0400065951750111	0.197866413211275
ACC	RTF1	cg24280607	-0.0638656615952371	80	-0.561565339029024	0.576043071117139	0.00407882273099734	0.74270670856169
ACC	RTF1	cg27576415	0.15652967207953	80	1.39068491418657	0.168327198105005	0.0245015382413252	0.341411707714269
ACC	SATB1	cg01069104	0.124447375596516	80	1.10057694361452	0.274509573067115	0.0154871492928603	0.470996311849236
ACC	SATB1	cg01373248	0.206402824037509	80	1.85103558657871	0.0679991230638414	0.0426021257706589	0.18052529830471
ACC	SATB1	cg04004754	-0.356092607556528	80	-3.34388967755764	0.00127813233077002	0.126801945156408	0.00823179707998164
ACC	SATB1	cg14415616	-0.0895760118019184	80	-0.78919890194352	0.432419146566348	0.00802386189033742	0.626144533978269
ACC	SATB1	cg19818826	0.0207803183662816	80	0.18238593697132	0.855759192164093	0.000431821631404021	0.923264785110995
ACC	SATB1	cg26131754	0.0266502996409102	80	0.233938521087268	0.815653579002444	0.000710238470950296	0.900821342223997
ACC	SATB1	cg26768584	0.143018435338522	80	1.26801685891465	0.208612682644224	0.020454272846679	0.393797260589442
ACC	SCML2	cg00457389	-0.116767474101742	80	-1.03168791419612	0.305448000527068	0.013634643008101	0.503987905171009
ACC	SCML2	cg04189389	-0.446918688776819	80	-4.38386653273488	3.64524580719601e-05	0.199736314377991	0.000403793242038598
ACC	SCML2	cg05049545	-0.145621236332618	80	-1.29158896603382	0.200363138087638	0.02120554447104	0.383353264082353

ACC	SCML2	cg06131666	-0.380445765683651	80	-3.60984685915006	0.000542983290938338	0.144738980626619	0.00402140538225981
ACC	SCML2	cg08300622	-0.0884726270707325	80	-0.779400486267026	0.438132817793799	0.00782740574079691	0.630913290929613
ACC	SCML2	cg17710066	-0.303591240257296	80	-2.7959652512449	0.00653052696348119	0.0921676411609634	0.0306655287376746
ACC	SCML2	cg17727916	-0.0934313272941132	80	-0.823458602895604	0.41279043941942	0.0087294129199397	0.608389433040834
ACC	SCML2	cg22823767	-0.114621237364724	80	-1.01247019655673	0.31448427091331	0.0131380280550204	0.513528040373418
ACC	SCML2	cg26246138	-0.124549319978836	80	-1.10149271058291	0.27411354049596	0.0155125331071904	0.470577930955743
ACC	SCML4	cg00977377	0.0316081823215759	80	0.277499330488378	0.7821404047512	0.000999077189673981	0.879752696906044
ACC	SCML4	cg03500965	-0.389238899730277	80	-3.70798054439541	0.000392023400569922	0.151506921063236	0.00305428827480586
ACC	SCML4	cg05603896	-0.66452665257303	80	-7.80339118807987	2.42996630478098e-11	0.441595671979917	1.07346279792238e-09
ACC	SCML4	cg08792995	-0.401022797910988	80	-3.84137475306951	0.000249719901292341	0.160819284444357	0.00209046701830801
ACC	SCML4	cg17388996	-0.456075305133053	80	-4.49697645154239	2.3997199799794e-05	0.208004683952208	0.000280558785876942
ACC	SCML4	cg23503775	-0.710234762271126	80	-8.85311857573355	2.30177925294313e-13	0.504433417538322	1.43596323338779e-11
ACC	SCML4	cg27353361	-0.361358643582433	80	-3.40070542365728	0.00106810851628179	0.130580069291736	0.00709161337506403
ACC	SCML4	cg27659622	-0.481348225839122	80	-4.81879247249667	7.09881217380912e-06	0.23169611451847	9.66138898266807e-05
ACC	SETD1A	cg26692825	-0.104466598928082	80	-0.921734049320912	0.359546364776261	0.0109132702916008	0.558439313622387
ACC	SETD6	cg01152986	-0.402634797343939	80	-3.85979645961528	0.000234471891761383	0.162114780032195	0.00198266373344403
ACC	SETD6	cg01472538	-0.457089541551827	80	-4.50961454630282	2.28943287053398e-05	0.20893084899606	0.000269650478017139
ACC	SETD6	cg01773760	-0.134029168668927	80	-1.18680930274521	0.238951588782128	0.0179638180540837	0.430729659098568
ACC	SETD6	cg02549819	-0.188864438339375	80	-1.68765109195771	0.095525196554763	0.0356697760692476	0.230448945352474
ACC	SETD6	cg05502081	-0.230512233082239	80	-2.07871769408097	0.0409740026617754	0.0531358896005605	0.124545127830005
ACC	SETD6	cg09132913	-0.264465221511713	80	-2.40635047182129	0.0185101414247342	0.0699418533892394	0.0685684876207324
ACC	SETD6	cg19824325	-0.132625729430146	80	-1.17415834450797	0.243950342688864	0.0175895841068782	0.436644849074181
ACC	SETD6	cg26666090	-0.249419095917078	80	-2.26007180840924	0.0266429033172171	0.0622098854080924	0.0903561347946503
ACC	SETD7	cg05316864	0.0654871515305505	80	0.575883607022341	0.566373233615883	0.00428856701558528	0.735398000235461
ACC	SETDB1	cg02060408	-0.54032227430073	80	-5.63463392929556	2.75218470774259e-07	0.291948160105513	5.39303418524249e-06
ACC	SETDB1	cg08531528	0.0996245039963478	80	0.878572280130942	0.382366631525235	0.00992504179651831	0.580757721409519
ACC	SETDB1	cg10589385	0.109702846791703	80	0.968483927647031	0.335835001822218	0.0120347145942039	0.53542613293621
ACC	SETDB1	cg10961700	-0.565465563229297	80	-6.01613627233559	5.64380975434878e-08	0.319751303198226	1.30090232897721e-06
ACC	SETDB1	cg12082615	0.220543841202549	80	1.98411919529179	0.0508061794856909	0.0486395858923751	0.146018025968296
ACC	SETDB1	cg15448220	-0.0390918266537585	80	-0.343291791277647	0.732314491207267	0.0015281709111275	0.848748153049345
ACC	SETDB1	cg16370685	-0.569100406918841	80	-6.07324567030255	4.43925303135709e-08	0.32387527315519	1.05064572656341e-06
ACC	SETDB1	cg17899625	-0.00545696478458825	80	-0.0478853846299397	0.96193157293978	2.97784646602363e-05	0.980021802368806
ACC	SETDB1	cg17918089	0.133321461056511	80	1.18042894264578	0.241463366751252	0.0177746119782427	0.433719721843614
ACC	SETDB1	cg19689029	-0.44300302307498	80	-4.33602735062708	4.34309419564625e-05	0.196251678453571	0.000469715931956214
ACC	SETDB1	cg26820223	-0.440677375626775	80	-4.30776055867504	4.81440766403526e-05	0.194196549389302	0.000513338856655646
ACC	SETMAR	cg00300090	-0.298063229029698	80	-2.74003962903496	0.00763151987463372	0.0888416884996101	0.0346637739900307
ACC	SETMAR	cg02520519	-0.291241021401927	80	-2.67143716712709	0.00921268776800198	0.084821332547238	0.0400252335655058
ACC	SETMAR	cg06021447	-0.295136139808108	80	-2.71054999564873	0.00827807571016927	0.087105341020831	0.0368855387935682
ACC	SETMAR	cg06267913	-0.29434275637333	80	-2.70257132374377	0.00846139708781193	0.0866376582082584	0.0375111650928448
ACC	SETMAR	cg14751177	-0.291223708709303	80	-2.67126364791795	0.00921703988512809	0.0848112485144008	0.0400396694674813
ACC	SETMAR	cg14961031	-0.189901923153253	80	-1.69726768145942	0.0936847958561243	0.0360627404173042	0.227298202913076
ACC	SETMAR	cg15232450	-0.295397739979907	80	-2.71318212667297	0.00821839811931383	0.0872598247852364	0.0366763459897832
ACC	SETMAR	cg15384599	-0.167892079550076	80	-1.49446031342159	0.139142333839544	0.0281877503756489	0.299970589405944
ACC	SETMAR	cg16423812	-0.298671397743103	80	-2.74617736765917	0.0075028935474194	0.0892046038298191	0.0341813129906269
ACC	SETMAR	cg21901604	-0.0678105786577044	80	-0.596408217132411	0.552651954728184	0.00459827457789272	0.724865731512584
ACC	SETMAR	cg22149154	-0.301010045058451	80	-2.76981370075282	0.00702585572284896	0.0906070472260909	0.0324932590882865
ACC	SETMAR	cg23182840	-0.269711246427744	80	-2.45778918675244	0.0162272422169679	0.072744156449607	0.061975653248898
ACC	SETMAR	cg23549342	-0.24083465646265	80	-2.17740492490249	0.0325132158652768	0.0580013317534826	0.104788665368351
ACC	SETMAR	cg24390964	-0.294583306308923	80	-2.70498977053896	0.00840544262400652	0.0867793243558967	0.0373266810171597
ACC	SETMAR	cg26797270	-0.28972233298226	80	-2.65622675235944	0.00960136880186417	0.0839390302286834	0.0412667892028852
ACC	SETMAR	cg27265118	-0.306685916891395	80	-2.82740863416952	0.00597744460958035	0.0940562516195158	0.0285761638797313
ACC	SFMBT2	cg09060610	-0.0709687000873905	80	-0.624322017049537	0.534261603483914	0.00503655639209397	0.711047042259837
ACC	SFMBT2	cg12328063	-0.0987743386159487	80	-0.871000620220839	0.38646132687331	0.0097563699690181	0.584443779529602
ACC	SFMBT2	cg20299663	-0.0954189336722174	80	-0.841135675356038	0.402876536817412	0.00910477290314302	0.599399045769081
ACC	SFMBT2	cg25291138	-0.107486817526607	80	-0.948689217629001	0.345746742645463	0.0115534159419981	0.544995421960323
ACC	SHPRH	cg00571935	-0.156509200826352	80	-1.39049847046256	0.168383558032495	0.0244951299433033	0.341508212675129
ACC	SHPRH	cg02758840	0.0332581848293769	80	0.29200092426114	0.771071207782791	0.001106106858145	0.873125535117432

ACC	SHPRH	cg06708562	0.0560941306102059	80	0.493000234855839	0.623415461839437	0.00314655148891484	0.776875109140871
ACC	SHPRH	cg11387577	0.0571932250315705	80	0.502691354340157	0.616616051004042	0.00327106498951186	0.77223673184166
ACC	SHPRH	cg11675148	-0.16025130878034	80	-1.42461084580912	0.15831021382202	0.025680481965812	0.327402827894253
ACC	SHPRH	cg12989205	0.00469958684051996	80	0.0412391625700078	0.967211978613217	2.20861164715884e-05	0.982775902722455
ACC	SHPRH	cg14102550	-0.198093303226698	80	-1.77340494878377	0.0801157307115901	0.0392409567832645	0.203291902765263
ACC	SHPRH	cg15443174	0.0866259734398874	80	0.763008051737096	0.44778993265727	0.00750405927440808	0.639321869423353
ACC	SHPRH	cg16339435	0.00756063003554537	80	0.0663461556121021	0.947274201339545	5.71631265343908e-05	0.971923994922365
ACC	SHPRH	cg18099523	-0.325002358217232	80	-3.01559088150152	0.00347323065240473	0.105626532846762	0.0185307252844917
ACC	SHPRH	cg26814539	-0.105929488089558	80	-0.934786929766084	0.352820470787834	0.0112210564469157	0.551837944920761
ACC	SHPRH	cg27398948	-0.107107079434769	80	-0.945298646566471	0.347463372418874	0.0114719264650459	0.546756858973945
ACC	SIN3A	cg01088093	0.0783852614351897	80	0.689950758192004	0.492299437123185	0.00614424921026303	0.677837508296998
ACC	SIN3A	cg01664094	-0.0129165417371968	80	-0.113351649774042	0.9100467884835	0.000166837050448748	0.952265517025831
ACC	SIN3A	cg02028562	0.0782092584670186	80	0.688392026785486	0.493274757151961	0.00611668810996092	0.678624031757402
ACC	SIN3A	cg07544511	0.124509067048523	80	1.10113111404858	0.274269868951003	0.0155025077772937	0.470745729402632
ACC	SIN3A	cg10483776	0.289321426691377	80	2.65221513859711	0.00970633464909981	0.0837068879427336	0.0416236479627403
ACC	SIN3A	cg11184237	-0.340332742320264	80	-3.17599871496916	0.0021485142625279	0.115826375495232	0.0125840625311772
ACC	SIN3A	cg15851274	-0.123353121174418	80	-1.09074947291831	0.278784646904018	0.0152159925034706	0.475714038438201
ACC	SIN3A	cg22059910	0.278646247538984	80	2.5459461269275	0.0128952875755179	0.0776437312675566	0.05201308342728
ACC	SIN3A	cg25697800	0.169625965648974	80	1.51034900879449	0.135047391386686	0.0287729682223471	0.2937947732052
ACC	SIN3B	cg06815056	-0.194345510908775	80	-1.73852311638732	0.0861157488199229	0.0377701776103926	0.214055294874815
ACC	SIRT1	cg02720207	-0.238234978941356	80	-2.15247859999748	0.0344920338186054	0.0567559051911886	0.109610836555743
ACC	SIRT1	cg03211233	-0.213635961544486	80	-1.91895010092808	0.0586964759552981	0.0456403240650371	0.162043850046718
ACC	SIRT1	cg07832903	-0.195454454969618	80	-1.74883606844519	0.0843044484498062	0.0382024439674705	0.210744867053478
ACC	SIRT1	cg10582690	-0.0841132505340747	80	-0.740715725378117	0.461118675227348	0.00707503891540801	0.650720449519044
ACC	SIRT1	cg10705386	-0.184055909216901	80	-1.64315609583275	0.104428270884152	0.0338765777176601	0.245716922907317
ACC	SIRT1	cg19192316	0.246559229220315	80	2.23246988089386	0.0284899386591174	0.0607914535137157	0.0949957690646512
ACC	SIRT1	cg19681528	0.01061053492243	80	0.0931123076755171	0.926056187383319	0.000112583451340106	0.961054615617427
ACC	SIRT1	cg19980381	0.0597589086835258	80	0.525321128727299	0.600869441521236	0.00357112716704598	0.760824657850589
ACC	SIRT1	cg25513531	-0.173792887651701	80	-1.54859253143617	0.125580237151504	0.0302039677983168	0.279332903555901
ACC	SIRT4	cg04118464	-0.1380026167521	80	-1.22266668818664	0.225184814130957	0.019044722230427	0.414542851415217
ACC	SIRT4	cg07106325	0.233044941193295	80	2.1028613141699	0.0387450329162104	0.0543099446157865	0.11961069099677
ACC	SIRT4	cg08264848	-0.168678431777123	80	-1.50166437769463	0.137273730493063	0.0284524133467894	0.297202287375525
ACC	SIRT4	cg12124973	-0.0673498562843818	80	-0.592337539769179	0.555360052891868	0.00453600314152688	0.726803854267063
ACC	SIRT4	cg20010714	0.00243514661959843	80	0.0213683882217684	0.983007067161821	5.92993905894166e-06	0.991201532093721
ACC	SIRT4	cg21068152	-0.0564140732484305	80	-0.495821099591172	0.621432893625439	0.00318254766047928	0.77569678171297
ACC	SIRT4	cg21123573	-0.0885976970323743	80	-0.780511002235446	0.43748303570907	0.00784955191944039	0.630356083049978
ACC	SIRT5	cg01064902	-0.11872307291067	80	-1.04921138375007	0.297362876984691	0.0140951680413522	0.495407380921877
ACC	SIRT5	cg02206980	-0.107134544482408	80	-0.945543859936932	0.34733903693567	0.0114778106214531	0.546626596045776
ACC	SIRT5	cg02712746	-0.231308508054989	80	-2.08630352915135	0.0402620218580569	0.0535036258986248	0.123046306361252
ACC	SIRT5	cg06139021	0.0341007349084126	80	0.299406869197663	0.765436305178082	0.00116286012129383	0.869950209283306
ACC	SIRT5	cg07534331	-0.251285093768472	80	-2.278115370746	0.0254932463111022	0.0631441983502298	0.0874616781155888
ACC	SIRT5	cg07909422	-0.264617978273819	80	-2.40784501669165	0.0184399640243835	0.0700226744257231	0.0683853058737135
ACC	SIRT5	cg08619119	-0.355141995868802	80	-3.33367258923324	0.00131980281344862	0.126125837229676	0.00844904049287538
ACC	SIRT5	cg10907941	-0.308530511367145	80	-2.84619757316103	0.00566783235091739	0.0951910764444719	0.0274154915070116
ACC	SIRT5	cg11824369	-0.220064585170685	80	-1.97958789317118	0.0513238966668432	0.0484284216463458	0.147061955887344
ACC	SIRT5	cg19366958	-0.0164000354621904	80	-0.14392908410128	0.885932494461063	0.000268961163161101	0.939518082566
ACC	SIRT5	cg20150972	-0.369590589077645	80	-3.4902741544731	0.000801828206700066	0.136597203534761	0.00557837806403371
ACC	SIRT7	cg11691214	-0.33480958555515	80	-3.11788861623458	0.00256152312024901	0.112097458579611	0.0145188436879163
ACC	SIRT7	cg12710567	-0.0482989411803738	80	-0.424316698170995	0.672518047929023	0.00233278771914521	0.810438680514141
ACC	SIRT7	cg17552093	0.186207701392588	80	1.66305205872701	0.100367468453176	0.0346733080579114	0.238849398618732
ACC	SIRT7	cg20397086	-0.141652613529702	80	-1.2556581568517	0.213036907620048	0.020065462919795	0.399426231355298
ACC	SMARCA	cg03460558	-0.0392382885100896	80	-0.344579951584676	0.731349552881064	0.00153964328520103	0.848173155783919
ACC	SMARCA	cg06675660	-0.129365994047896	80	-1.14480185934293	0.255837254983729	0.0167355604160003	0.450112025108085
ACC	SMARCA	cg08617833	-0.171121416988931	80	-1.52406436820567	0.131589459834864	0.0292825393522996	0.288525339477053
ACC	SMARCA	cg12935118	-0.0946392978945089	80	-0.834200670846819	0.406748463802894	0.0089565967059656	0.602934204628005
ACC	SMARCA	cg17420696	-0.0323899471701328	80	-0.284369839504324	0.776890320043186	0.001049108677684	0.876615884738913
ACC	SMARCA	cg18959966	-0.285165117417823	80	-2.61071478792586	0.0108550139698623	0.0813191441919205	0.0454570144141396

ACC	SMARCA	cg24447042	-0.148456288448121	80	-1.31729563588127	0.191646070442506	0.0220392695797917	0.372101168085917
ACC	SMARCA	cg26010110	-0.137202814997918	80	-1.21544430122841	0.227910232285599	0.018824612443353	0.417728032476342
ACC	SMARCA	cg27353825	-0.122259994786245	80	-1.08093616702187	0.283099419054968	0.0149475063251326	0.480435616131821
ACC	SMARCA	cg04518912	-0.260771045508861	80	-2.37026625178528	0.0202784111398794	0.0680015381757844	0.0735929611968546
ACC	SMARCA	cg13529335	0.124023327663986	80	1.0967680981569	0.276161020275691	0.0153817858048484	0.4726983020178
ACC	SMARCA	cg14290704	-0.340445201265512	80	-3.17718574372172	0.00214076566922105	0.115902935064715	0.0125462350814662
ACC	SMARCA	cg21210735	-0.3682781471824	80	-3.47593115747155	0.000839762086555595	0.135628793692101	0.00580078598486112
ACC	SMARCA	cg08405378	-0.182023126665861	80	-1.62438299092357	0.108380904145164	0.0331324186412162	0.252308228059636
ACC	SMARCA	cg17218495	-0.0513557733608302	80	-0.451240529571787	0.653084508497887	0.00263741545748896	0.797393518841982
ACC	SMARCA	cg17747332	0.123243738669502	80	1.08976733421942	0.279214414226214	0.0151890191212365	0.476269560968107
ACC	SMARCA	cg18522266	-0.30871518121792	80	-2.84808055911463	0.00563763082769788	0.095305063114413	0.0273084590666207
ACC	SMARCA	cg23892580	-0.132078926718684	80	-1.16923127640382	0.245917291548504	0.0174448428831596	0.438931739189341
ACC	SMARCA	cg01278696	0.336946597509826	80	3.14032902787838	0.00239395591351101	0.113533009573448	0.013746339410664
ACC	SMARCA	cg01575392	-0.273293121284833	80	-2.49304565254309	0.0148116851105514	0.0746891301416062	0.057800864383759
ACC	SMARCA	cg02782292	-0.0490786312341494	80	-0.431182852012794	0.667540181561627	0.00240871204381763	0.807165496735092
ACC	SMARCA	cg05358385	0.1134772460727	80	1.00223261909974	0.319370479475164	0.012877085376244	0.518686995413172
ACC	SMARCA	cg10878459	-0.329427322875864	80	-3.0616091871939	0.00303107302125216	0.108522361057159	0.0165985706472822
ACC	SMARCA	cg12253543	-0.358125168170946	80	-3.36577541267274	0.00119300178200608	0.128253636077469	0.00777941162023311
ACC	SMARCA	cg13848802	-0.295035176700661	80	-2.70953431819623	0.00830120939089897	0.0870457554907905	0.0369619740720815
ACC	SMARCA	cg13898584	-0.302114818920472	80	-2.78099854571007	0.00680994080561861	0.0912733638113495	0.0317001277544456
ACC	SMARCA	cg16091845	-0.179468410450105	80	-1.60082024942344	0.113511849786604	0.0322089103494874	0.260681101390935
ACC	SMARCA	cg16587443	-0.270638029499668	80	-2.46690089788854	0.0158502355450297	0.0732449430114632	0.0608824976048012
ACC	SMARCA	cg19993723	0.0868762616025197	80	0.765229349652016	0.44647414026077	0.00754748483002944	0.638267564900721
ACC	SMARCA	cg20045045	-0.370888946103277	80	-3.50448703105162	0.00076584166167748	0.1375586103416	0.00536737713770612
ACC	SMARCA	cg22077701	-0.167804306447009	80	-1.49365637388915	0.139352093824828	0.0281582852621619	0.300306290673112
ACC	SMARCA	cg24607315	-0.321170020764291	80	-2.97591484797161	0.00390174256205868	0.103150182237735	0.0203613775802062
ACC	SMARCE	cg01745726	-0.298178192149621	80	-2.74119957469762	0.00760705795277488	0.0889102342736165	0.0345789100372893
ACC	SMARCE	cg01912455	-0.277573226417548	80	-2.53532196360685	0.0132611915584767	0.0770468960238473	0.0531362933865636
ACC	SMARCE	cg03979008	0.135432791349671	80	1.19946918769816	0.234023491857271	0.0183420409727635	0.424967869410471
ACC	SMARCE	cg10122452	-0.172117128078771	80	-1.53320242873868	0.129324664583772	0.029624305778084	0.285118260971205
ACC	SMARCE	cg16142952	-0.185975313046315	80	-1.66090215482977	0.100799988758121	0.0345868170626747	0.23960016882942
ACC	SMARCE	cg19906397	-0.0407742984153099	80	-0.358090811100151	0.721255168212856	0.00166254341126074	0.842052474051549
ACC	SMARCC	cg02564102	0.196355579259473	80	1.75722147364647	0.0828549631530715	0.0385555135063233	0.208103952826494
ACC	SMARCC	cg02627110	-0.0828558358742791	80	-0.729565588449044	0.467869349420118	0.00686508953842547	0.656874718801455
ACC	SMARCC	cg05592996	-0.229157528627593	80	-2.06582201911991	0.0422093170478298	0.0525131729267062	0.127353317209294
ACC	SMARCC	cg07143957	0.0758328172894117	80	0.667351879960751	0.506542520307921	0.00575061617804929	0.689572551001056
ACC	SMARCC	cg07304068	-0.177850392673286	80	-1.58591423971012	0.116857260410094	0.0316307621740421	0.265898204578749
ACC	SMARCC	cg07474652	0.0247547940770466	80	0.217289023984538	0.828557847186543	0.000612799829796981	0.907881025452201
ACC	SMARCC	cg12894336	-0.161538494770044	80	-1.43635908758674	0.154950778532539	0.0260946852925715	0.322694173876599
ACC	SMARCC	cg16250355	0.0324091269816343	80	0.284538407023118	0.776761638925779	0.0010503515117117	0.876521539579229
ACC	SMARCC	cg20685352	0.0977109069015467	80	0.861532297814481	0.391619958604254	0.00954742132752272	0.58868610024075
ACC	SMARCC	cg22984439	0.0635859514521126	80	0.559095865021143	0.57771883039353	0.00404317322207042	0.744200983194333
ACC	SMARCD	cg02553054	0.0641148940573728	80	0.563765846994057	0.574551803146544	0.00411071963998814	0.741708106527758
ACC	SMARCD	cg04550398	-0.15064790990074	80	-1.33719075959955	0.185097305685765	0.0226947927574615	0.363668639942376
ACC	SMARCD	cg09878554	0.0633151146185645	80	0.556704856780668	0.579343569410142	0.00400880373916196	0.745402107689059
ACC	SMARCD	cg13349421	-0.144374951214872	80	-1.2802986760401	0.204283609552099	0.0208441265382967	0.388349521565319
ACC	SMARCD	cg17846064	0.0632568024938353	80	0.556190080455542	0.579693656320274	0.00400142306174409	0.745641123739127
ACC	SMARCD	cg18591973	0.0592678924232956	80	0.520989485775804	0.603869198115556	0.00351268307229934	0.762793498493189
ACC	SMARCD	cg20405918	-0.0851095282790404	80	-0.749552755801066	0.455808086768974	0.00724363180388077	0.646097706025756
ACC	SMARCD	cg22402853	-0.302345914005012	80	-2.7833397334968	0.00676552247132465	0.0914130517155258	0.0315273185057045
ACC	SMARCD	cg25107077	-0.0158497400969567	80	-0.139098377745738	0.889735577000262	0.000251214261141078	0.941534993534505
ACC	SMARCD	cg00945038	-0.146025277716457	80	-1.29525058508688	0.199103769139582	0.0213233817321683	0.381833566287307
ACC	SMARCD	cg02127607	-0.0623087535287515	80	-0.547821553333184	0.58539903059133	0.0038823807663067	0.749909962222071
ACC	SMARCD	cg02360836	-0.0181396245757508	80	-0.159200753991876	0.873927551784639	0.000329045979749183	0.933249378291058
ACC	SMARCD	cg04367190	0.0505809672728705	80	0.444415053932443	0.657989127312237	0.0025584342502592	0.800928479134825
ACC	SMARCD	cg06420487	-0.196625945103703	80	-1.75973826293599	0.0824239546457719	0.0386617622879245	0.207376750572871
ACC	SMARCD	cg07362569	-0.0659219645539038	80	-0.579723917493639	0.563793247994152	0.00434570541064615	0.733624352838623

ACC	SMARCD	cg11697258	-0.0732807879306778	80	-0.644769865750067	0.52099271736814	0.00537007387974096	0.701140149031883
ACC	SMARCD	cg12577610	-0.21047211511924	80	-1.88920374058677	0.062629405005399	0.0442985112427666	0.169898941067406
ACC	SMARCD	cg15868002	-0.24767839270987	80	-2.24326400924511	0.0277546445343461	0.0613445862153448	0.0931795180953123
ACC	SMARCD	cg19016967	0.0993053540540465	80	0.875729671166496	0.383900702963956	0.00986155334379953	0.582076309471779
ACC	SMARCD	cg19143629	-0.0267247707213325	80	-0.234592700926261	0.815147568405383	0.000714213370107793	0.900551269806447
ACC	SMARCD	cg21254277	-0.261716718751427	80	-2.37949273700151	0.0198125266039449	0.0684956408740135	0.0722798581235833
ACC	SMARCD	cg23682543	-0.382835798017932	80	-3.63640488789518	0.000497418182453135	0.146563248244027	0.00373226756228387
ACC	SMARCD	cg24795630	-0.282804341584023	80	-2.58721427334686	0.011558823264075	0.0799782956187726	0.0477412846830608
ACC	SMARCD	cg25945412	-0.143415893165922	80	-1.2716146603087	0.207337572778112	0.0205681184125792	0.39226681428781
ACC	SMARCD	cg00864064	0.151470489667838	80	1.34466317191702	0.182681738619072	0.0229433092402145	0.360546866561747
ACC	SMARCD	cg02917064	-0.249060522455987	80	-2.25660760855823	0.0268687785945793	0.0620311438460493	0.0909349065512356
ACC	SMARCD	cg14795305	-0.199125264958536	80	-1.78302386432896	0.0785234672829705	0.0396508711448073	0.200210019161838
ACC	SMARCD	cg19786287	-0.141766959501017	80	-1.25669253992436	0.212663986520244	0.0200978708061629	0.39894500355338
ACC	SMARCD	cg19902439	-0.142483655715327	80	-1.26317700398928	0.210337120908788	0.0203015921460037	0.396029198122746
ACC	SMARCD	cg22750243	-0.140758733873221	80	-1.24757381198407	0.215968110200086	0.0198130211615922	0.403182624964735
ACC	SMARCD	cg22787816	-0.262884941041667	80	-2.39090068981452	0.0192496791022908	0.0691084922264809	0.070643906787603
ACC	SMNDC1	cg03999743	-0.0594495704134775	80	-0.522592166681294	0.602758507344029	0.00353425142234702	0.762033921414525
ACC	SMNDC1	cg08770590	-0.0214892985827766	80	-0.188611384223916	0.850893634811543	0.000461789953579723	0.920495849101554
ACC	SMNDC1	cg11559952	-0.180807312718203	80	-1.61316504763051	0.110799866626873	0.032691284332378	0.256237249156366
ACC	SMNDC1	cg12486840	0.332090330970213	80	3.08941243534339	0.0027899108015036	0.110283987923906	0.0155315815723609
ACC	SMNDC1	cg17981675	-0.24016774534164	80	-2.17100570646936	0.0330115333515895	0.057680545902487	0.105992786559642
ACC	SMNDC1	cg18209001	0.00203831075432527	80	0.0178861414355531	0.985775950388573	4.15471073119803e-06	0.992553031623472
ACC	SMNDC1	cg21872391	0.240877535531885	80	2.17781647472719	0.0324813938221911	0.0580219871239145	0.104730412135961
ACC	SMNDC1	cg23721301	-0.366905453775125	80	-3.4609542233488	0.000881176736681711	0.13461961200993	0.00604073520033636
ACC	SMNDC1	cg26944434	0.173670551162462	80	1.54746853096529	0.125850759746327	0.0301614603410734	0.279702711302054
ACC	SMYD1	cg00578637	-0.0487542908166493	80	-0.428326530501577	0.669609179699353	0.00237698087303442	0.808523879765497
ACC	SMYD1	cg00666842	-0.0921971407856655	80	-0.812487194320547	0.419017051964003	0.00850031276905183	0.614423548913119
ACC	SMYD1	cg03704645	0.0651969860481295	80	0.573321020978444	0.56809802891313	0.00425064698975999	0.736700382383047
ACC	SMYD1	cg14559139	-0.165403115665684	80	-1.4716772678636	0.14518345785764	0.0273581906719157	0.308927842466554
ACC	SMYD1	cg16090764	0.0205604022073062	80	0.180454943062928	0.857269524675497	0.000422730138926203	0.924074066822857
ACC	SMYD1	cg18148488	-0.0432957305555756	80	-0.380275077608907	0.704788216178987	0.001874520284341	0.831550686121607
ACC	SMYD1	cg19074493	-0.0900854904404821	80	-0.793724224419391	0.429795249091773	0.0081153955879022	0.623831401157627
ACC	SMYD2	cg01770831	-0.119938126346876	80	-1.06010529676202	0.292410724360028	0.0143851541515991	0.490127550867535
ACC	SMYD2	cg04406444	-0.0121511347837324	80	-0.106633647517367	0.915356957480067	0.000147650076532431	0.955252252333548
ACC	SMYD2	cg11523160	-0.175739227101827	80	-1.56648505034112	0.121335814583734	0.0308842759423477	0.272750198740541
ACC	SMYD2	cg14013804	0.306093367156314	80	2.82138043274518	0.00608002512222925	0.09369314941709	0.028983974162553
ACC	SMYD2	cg27570636	0.222420397472317	80	2.00187636104268	0.0488201308972113	0.0494708332117436	0.141744915392164
ACC	SMYD5	cg01329511	-0.150204927389696	80	-1.3331678322718	0.186407713234552	0.0225615202121438	0.365357427209412
ACC	SMYD5	cg05103132	-0.27124946252189	80	-2.47291628015597	0.0156056655168104	0.0735762709184141	0.0601927286040334
ACC	SMYD5	cg06754047	-0.143017005356618	80	-1.26800391580303	0.208617280296836	0.0204538638211748	0.393797260589442
ACC	SMYD5	cg08834152	0.144034616048675	80	1.27721661116954	0.205363657024048	0.0207459706202891	0.389612494440406
ACC	SMYD5	cg15623359	-0.445775671477924	80	-4.36986958759402	3.83733097121574e-05	0.198715949281594	0.000421911554532114
ACC	SMYD5	cg17895873	0.0310749847156883	80	0.272813637916185	0.785726796198477	0.00096565467508026	0.881790423743337
ACC	SMYD5	cg20402064	-0.00567522906838522	80	-0.0498007349684687	0.960410137760194	3.22082249786446e-05	0.979228381196563
ACC	SMYD5	cg25886337	0.0243263466943357	80	0.213526014534727	0.831481067971305	0.000591771143493019	0.909691101041144
ACC	SMYD5	cg26467949	-0.104219634508793	80	-0.919531065998276	0.360689567909729	0.0108617322171463	0.559622741243906
ACC	SP100	cg05876232	-0.086683760192692	80	-0.763520894027561	0.447485949676209	0.00751407428114414	0.639056192261231
ACC	SP100	cg09456094	-0.295335251428363	80	-2.71255332759398	0.00823261891872166	0.0872229107362542	0.0367271680332052
ACC	SP100	cg11702456	-0.29457940207243	80	-2.70495051354371	0.00840634819421341	0.0867770241253501	0.0373266810171597
ACC	SP100	cg11827097	-0.249779688334101	80	-2.26355651316892	0.0264173796771782	0.0623898927042806	0.089774315682614
ACC	SP100	cg23539753	-0.359828585594451	80	-3.38415933251765	0.00112564878770703	0.129476611010903	0.00740789457667547
ACC	SP100	cg27140170	-0.106213261106474	80	-0.937319651450496	0.351524869430059	0.0112812568348721	0.550497739198848
ACC	SP140L	cg04002454	-0.152103033022661	80	-1.35041121469587	0.180839870838627	0.0231353326546928	0.358020273485195
ACC	SP140L	cg05217331	0.104946044124528	80	0.926011310911754	0.35733338357766	0.0110136721773873	0.556223727755577
ACC	SP140L	cg13278004	-0.217198210749869	80	-1.95251800952136	0.0545114063552281	0.0471750627529444	0.153697232648277
ACC	SP140L	cg24044052	-0.339781178588571	80	-3.17017906951399	0.00218688404096842	0.115451249323038	0.0127636324617823
ACC	SP140L	cg25095994	-0.32157949361923	80	-2.98014627125035	0.00385381304906906	0.1034133707164	0.0201588932167168

ACC	SP140L	cg26847438	-0.18526737053894	80	-1.6543545147682	0.102126586466307	0.0343239985864129	0.241803298818824
ACC	SSRP1	cg01511567	-0.0619561862359769	80	-0.544709786043296	0.587527288681687	0.00383856901290705	0.751349584029839
ACC	SSRP1	cg01766191	-0.128353648835647	80	-1.13569262307752	0.259607821851948	0.0164746591694245	0.454513980133549
ACC	SSRP1	cg02688348	0.227976565625457	80	2.05459055993496	0.0433112548445404	0.0519733144743785	0.129825290308487
ACC	SSRP1	cg04937561	-0.165877163511486	80	-1.47601428071201	0.144017939645152	0.0275152333746164	0.307220894942278
ACC	SSRP1	cg08821673	-0.315020232823124	80	-2.91258575754769	0.00468823248345668	0.0992377470879349	0.0235576305788487
ACC	SSRP1	cg09381635	-0.130496920018255	80	-1.15498240993686	0.251669340586622	0.0170294461342508	0.445438643132339
ACC	SSRP1	cg11948159	-0.0918592368332714	80	-0.809484028457655	0.420731213248506	0.00843811939159105	0.615892290677122
ACC	SSRP1	cg12795368	-0.123435258614211	80	-1.09148700641158	0.278462216480992	0.0152362630691572	0.475388558691826
ACC	SSRP1	cg12911972	-0.0177922284343735	80	-0.15615088667856	0.876322756725157	0.000316563392660927	0.934555525602937
ACC	SSRP1	cg16313264	0.165826427672941	80	1.47555005375299	0.144142344250495	0.0274984041147693	0.307343004758751
ACC	SSRP1	cg22636253	0.0794100891822763	80	0.699028212960167	0.486640555582744	0.00630596226393708	0.673076580318331
ACC	SSRP1	cg26706201	-0.0799933729038689	80	-0.704195667132732	0.483435244907303	0.00639893970853743	0.670309083561806
ACC	STK31	cg00755064	0.118155647908857	80	1.04412561160773	0.299694228008824	0.0139607571327618	0.49795653168941
ACC	STK31	cg05000488	0.0679923190287558	80	0.598014075584474	0.551585445490985	0.0046229554469081	0.723974470824711
ACC	STK31	cg05407490	0.080878866430844	80	0.712041867666363	0.478590757832851	0.00654139106946984	0.666090708181388
ACC	STK31	cg11755819	0.0326813828307426	80	0.286931243133815	0.774935670230182	0.00106807278372956	0.875282940262973
ACC	STK31	cg13313214	-0.0131190439850734	80	-0.115129051583082	0.908642536339251	0.000172109315082291	0.951487225531702
ACC	STK31	cg13514718	0.108906452712571	80	0.961368460884805	0.339376230982458	0.0118606154424355	0.538628907153772
ACC	STK31	cg13802883	0.0607378371671292	80	0.533958176654605	0.594908680501701	0.0036890848637407	0.756396865505512
ACC	STK31	cg14898779	-0.0466834381410553	80	-0.410092617221919	0.682876789347133	0.00217934339666974	0.817250233842606
ACC	STK31	cg17102984	0.0892391866591256	80	0.786207476118812	0.434158831817767	0.00796363243558226	0.627650147142781
ACC	STK31	cg17331904	0.0572212552575387	80	0.502938530972227	0.616443063077966	0.0032742720532484	0.772078658970608
ACC	STK31	cg21519371	0.0736391952497985	80	0.647940507544226	0.518950844621351	0.00542273107703795	0.699718789149953
ACC	STK31	cg25570411	0.0347255565124474	80	0.30489941083566	0.761265378495017	0.00120586427509918	0.867258174574761
ACC	STK31	cg25612145	-0.0040640795786896	80	-0.0356624480854867	0.971643804442509	1.65167428219219e-05	0.98496147038081
ACC	SUV39H	cg05903800	0.030737533273653	80	0.269848265730991	0.787998871651737	0.000944795951748925	0.883231769894177
ACC	SUZ12	cg00160853	-0.126234419795731	80	-1.11663512883946	0.26762271655782	0.0159351287411647	0.46337213370853
ACC	SUZ12	cg01109633	0.102658640698222	80	0.905610578522422	0.367967062829046	0.0105387965100066	0.566866602355
ACC	SUZ12	cg07482957	-0.287232522845188	80	-2.6313373836241	0.0102696348704922	0.0825025221800116	0.0435115720883979
ACC	SUZ12	cg08177746	0.0484629167966691	80	0.42576064520257	0.671469981042895	0.00234865430444087	0.809713647531211
ACC	SUZ12	cg17335595	-0.266785725071297	80	-2.42907494471856	0.0174684267308649	0.0711746231018176	0.0656175175809224
ACC	SUZ12	cg25098644	-0.144054085369926	80	-1.27739291225595	0.205301761982326	0.0207515795117659	0.38954017215178
ACC	TAF3	cg00194465	-0.180847482259645	80	-1.61353555724062	0.110719284024681	0.0327058118396526	0.256142266078332
ACC	TAF3	cg02334915	0.179108410055962	80	1.59750258502762	0.114249713294883	0.0320798225527747	0.261741090086349
ACC	TAF3	cg03672997	0.0748459682626695	80	0.658618059357937	0.512105686610654	0.00560191896517653	0.693994421813243
ACC	TAF3	cg04179819	0.0264192309986712	80	0.231908758629724	0.817224106049539	0.000697975766561151	0.901749341948
ACC	TAF3	cg04234156	0.0526429032489561	80	0.462581015613489	0.644969294052913	0.00277127526247896	0.791811846253608
ACC	TAF3	cg05976695	-0.184725980605208	80	-1.64934909170711	0.10315024580948	0.0341236879105555	0.243496825062696
ACC	TAF3	cg07855525	0.0416864577927831	80	0.366115431404167	0.715282942232317	0.00173776076330948	0.838088996490361
ACC	TAF3	cg09871669	0.126969738040936	80	1.12324581719216	0.264823076295378	0.0161213143781838	0.46045430238529
ACC	TAF3	cg09994553	-0.0560117292484596	80	-0.492273744658161	0.623926507401306	0.00313731381340275	0.777236374017671
ACC	TAF3	cg11104088	0.18689220184553	80	1.6693862877321	0.0991019031647348	0.0349286951106702	0.236750198218811
ACC	TAF3	cg12176426	0.168607980489942	80	1.50101882720938	0.137440365574848	0.0284286510848967	0.297422342750278
ACC	TAF3	cg12590721	-0.0877215741868208	80	-0.77273254849258	0.442046224312191	0.0076950745778139	0.634463275108256
ACC	TAF3	cg12777293	-0.313090300436318	80	-2.89279631010403	0.00496252255766793	0.0980255362273039	0.0246223917246775
ACC	TAF3	cg27268107	-0.326977378996681	80	-3.03610285581147	0.00326922546081976	0.106914206375539	0.0176467005548342
ACC	TCEA1	cg01677098	-0.254929398850073	80	-2.31343298771434	0.0233689730586684	0.0649889983980597	0.081886668224875
ACC	TCEA1	cg06047473	-0.350473849996086	80	-3.28367050610788	0.00154281902225489	0.122831919531079	0.00961869394272293
ACC	TCEA1	cg11530293	-0.165520940774532	80	-1.47275513906229	0.144893107792923	0.027397181834886	0.308488356964507
ACC	TCEA1	cg11787876	-0.0817801140141113	80	-0.720029401033402	0.473686907512936	0.00668798704816104	0.661661100026823
ACC	TCEA1	cg12850379	-0.0918014147325525	80	-0.808970155213476	0.421024944293045	0.0084274997468981	0.616136769245718
ACC	TCEA1	cg23569945	-0.204116620453773	80	-1.82963617536177	0.0711750953958064	0.0416635947454695	0.186606746131753
ACC	TCEA1	cg26181865	-0.512828449045105	80	-5.24181478096656	1.35116908948588e-06	0.262993018150008	2.23128911458781e-05
ACC	TCEA1	cg26358945	-0.150463233280012	80	-1.33551352649455	0.185642791947069	0.0226391845690754	0.364399862654681
ACC	TDRD1	cg00337703	-0.185324667578369	80	-1.65488434599248	0.10201871476843	0.0343452324130328	0.241677392633614
ACC	TDRD1	cg02635786	-0.307238296381197	80	-2.83303143847852	0.00588319813245689	0.0943953707632202	0.0282342699269803

ACC	TDRD1	cg16550453	-0.43867096355566	80	-4.28346041698328	5.25877216024068e-05	0.192432214266851	0.000553886977299977
ACC	TDRD1	cg23504215	-0.223056834842685	80	-2.00790403822076	0.048161245773285	0.0497543515700368	0.140371509261059
ACC	TDRD1	cg23825092	-0.330292636067325	80	-3.07063448525865	0.00295074114020116	0.109093225440302	0.0162477206735804
ACC	TDRD1	cg24203376	-0.221167704385507	80	-1.99002000241936	0.0501386822289197	0.0489151534631549	0.144548200612088
ACC	TDRD1	cg26600802	-0.385194532648354	80	-3.66269901772755	0.000455902224620358	0.148374827982184	0.00347029918416009
ACC	TDRD1	cg27547703	-0.389594908986059	80	-3.71197852455812	0.000386812773928395	0.151784193107856	0.00302095301023849
ACC	TDRD3	cg01557749	-0.357041797040768	80	-3.35410334272998	0.00123771563037299	0.127478844834101	0.00801855844014296
ACC	TDRD3	cg03447530	-0.199526609590838	80	-1.78676646381261	0.0779110741447103	0.0398108679348147	0.199133097940454
ACC	TDRD3	cg05666423	-0.361368713714527	80	-3.40081442676222	0.00106773881401554	0.130587347251692	0.00708976385263954
ACC	TDRD3	cg10765900	0.243380413197422	80	2.20186245380836	0.0306687105704798	0.0592340255281476	0.100312885558354
ACC	TDRD3	cg18522102	0.173063694554228	80	1.54189395821518	0.12719928554886	0.029951042372759	0.281950684408137
ACC	TDRD3	cg19937698	0.0941474272660705	80	0.82982618822767	0.409202412434839	0.00886373806082004	0.605210982584381
ACC	TDRD3	cg20944895	-0.281825693471736	80	-2.57748726865132	0.0118620248824825	0.0794257215008246	0.048716756165553
ACC	TDRD3	cg22045829	0.0682766865447908	80	0.600526867856123	0.549918680290551	0.00466170592553561	0.722723871617849
ACC	TDRD3	cg23103367	-0.264119288843077	80	-2.40296664801736	0.0186699124346465	0.0697589987389726	0.0690384537198964
ACC	TDRD3	cg23767211	0.294810900846016	80	2.70727848405866	0.00835280068849466	0.0869134672576396	0.0371419135044729
ACC	TDRD3	cg26737458	-0.220534626101063	80	-1.98403205350139	0.0508160935264748	0.0486355213095354	0.14602706371257
ACC	TDRD5	cg05378938	-0.128732353235186	80	-1.13909983864044	0.258192912606517	0.0165720187694686	0.45277172903186
ACC	TDRD5	cg07171496	-0.169206821373886	80	-1.50650680750509	0.136028821135154	0.0286309483994542	0.295263005340071
ACC	TDRD5	cg07901138	-0.166937456708959	80	-1.48571860305943	0.141436523809652	0.0278681144524556	0.303485134272298
ACC	TDRD5	cg09656934	0.170406778418539	80	1.51750879595444	0.133233429139683	0.0290384701309851	0.291087746412012
ACC	TDRD5	cg11853788	-0.0574995019230746	80	-0.505392235426433	0.614727003316903	0.00330619272140166	0.770818608448417
ACC	TDRD5	cg12277666	-0.119620456304827	80	-1.05725666961404	0.293700167483015	0.0143090535665749	0.491458337161849
ACC	TDRD5	cg13848905	-0.163612734651929	80	-1.4553066958277	0.149649315329893	0.0267691269402824	0.3151036333236
ACC	TDRD5	cg15545772	-0.0970263236381663	80	-0.855438651842177	0.394962391489554	0.00941410747873819	0.59160371327798
ACC	TDRD7	cg24339935	0.0192725051046389	80	0.169146961948295	0.866124615279438	0.000371429453008334	0.928844354517425
ACC	TDRD9	cg07613153	0.141955301834268	80	1.25839641211964	0.212050746109081	0.0201513077188583	0.398229908816383
ACC	TDRD9	cg08933517	0.0948472009198311	80	0.836049854741044	0.405713826808108	0.00899599152232681	0.602054430083739
ACC	TDRD9	cg16701547	0.07463556143169	80	0.656756167406154	0.513295841157371	0.00557046703022357	0.694977751483658
ACC	TRIM24	cg00733782	0.00802951300212629	80	0.0704609620959624	0.944009451159088	6.44730790513152e-05	0.970109658306629
ACC	TRIM24	cg02308366	-0.250267381120425	80	-2.26827109279839	0.0261149380860291	0.0626337620528759	0.0890343366405708
ACC	TRIM24	cg06386929	-0.138258960843369	80	-1.22498204735419	0.224316140847107	0.0191155402534881	0.413498172149658
ACC	TRIM24	cg06650216	0.0283041450155269	80	0.248467411148936	0.804434266635381	0.000801124625059978	0.893606536228711
ACC	TRIM24	cg10571650	0.215098356410267	80	1.93272079094537	0.0569477999581325	0.0462673029303983	0.1585270575375
ACC	TRIM24	cg10703331	-0.0127130704287605	80	-0.111565756380346	0.911458038101992	0.000161622159726624	0.952960334060511
ACC	TRIM24	cg13935558	0.181908633290004	80	1.62332626785843	0.108606935786806	0.033090750865437	0.252698309035405
ACC	TRIM24	cg26889928	-6.65969849510956e-05	80	-0.0005843861725494	0.999535238697254	4.43515840457645e-09	0.999766564997096
ACC	TRIM33	cg00760200	-0.188393621687099	80	-1.68328896305044	0.0963696878580969	0.0354921566923818	0.231975477976137
ACC	TRIM33	cg02852257	-0.15319443976156	80	-1.36033303547069	0.177693712882932	0.0234685363738583	0.354131028564489
ACC	TRIM33	cg05792124	-0.0763381851843285	80	-0.671825253679695	0.503705718773494	0.00582751851723684	0.687039233562991
ACC	TRIM33	cg16036305	-0.110807193491369	80	-0.978353956757574	0.330963177395808	0.0122782341294336	0.530652284552734
ACC	TRIM33	cg17645130	-0.103434247485993	80	-0.912526361658053	0.364339978555202	0.0106986435529936	0.563376352449283
ACC	TRIM33	cg18199720	0.166987450151688	80	1.48617629811269	0.141315674773717	0.0278848085081624	0.303330281147507
ACC	TRIM33	cg20932765	-0.385170441019597	80	-3.66243003047941	0.000456309733816594	0.148356268635231	0.00347238182847776
ACC	TRIM33	cg20992663	0.0342143765751878	80	0.30040581853727	0.764677202809347	0.00117062356442876	0.869443120656977
ACC	TRIM33	cg21666217	0.212378098490361	80	1.90711620953882	0.0602353239990512	0.0451044567183815	0.16514931963002
ACC	TRIM33	cg21813112	-0.172645674666562	80	-1.53805508926868	0.128134580227937	0.0298065289810722	0.283232981026655
ACC	TRIM66	cg06492264	0.203648019704866	80	1.82525383203896	0.071840564681302	0.0414725159297135	0.187857643321587
ACC	TRIM66	cg11245569	0.213613336585832	80	1.91873715872836	0.0587238695314723	0.0456306575673318	0.162086249661189
ACC	TRIM66	cg12608775	0.186340676210497	80	1.66428238417941	0.100120629413685	0.0347228476105851	0.238451636193001
ACC	TRIM66	cg13143389	0.188946481651235	80	1.68841134881702	0.0953786338082469	0.0357007729283805	0.230197454837605
ACC	TRIM66	cg27044202	-0.0497838834186137	80	-0.437394166842123	0.663049869900835	0.00247843504823812	0.804085824861893
ACC	UBE2A	cg00142683	-0.258340768121836	80	-2.34658868372154	0.0215188705491036	0.06673995247378	0.0770310609008359
ACC	UBE2A	cg00428314	-0.139354994142731	80	-1.23488451088774	0.220628503475905	0.0194198143925207	0.408836659493626
ACC	UBE2A	cg00935924	-0.309592463224139	80	-2.85703063255896	0.00549609258917733	0.0958474932851896	0.0267477652100382
ACC	UBE2A	cg05206294	-0.329261056826098	80	-3.05987600888823	0.00304673049960103	0.108412843542239	0.0166631996967072
ACC	UBE2A	cg06206449	-0.40092308559057	80	-3.84023665442659	0.000250692383086798	0.160739320559464	0.00209770498546352

ACC	UBE2A	cg06273903	-0.122872556722837	80	-1.08643481505729	0.280676090841152	0.0150976651956069	0.477882204611337
ACC	UBE2A	cg09080960	-0.252333108667985	80	-2.28826118988339	0.024866208307454	0.0636719977300493	0.0858607105668032
ACC	UBE2A	cg14625604	-0.279986927616297	80	-2.5592349596034	0.012450441087451	0.0783926796360133	0.0505974535905658
ACC	UBE2A	cg15661671	-0.293644044179623	80	-2.69554978216037	0.00862578081811781	0.0862268246821642	0.0380675196113745
ACC	UBE2A	cg16211147	-0.244677588038735	80	-2.21434319988079	0.0297632506484486	0.0598671220884529	0.0981019541117452
ACC	UBE2A	cg17976175	-0.25704615544269	80	-2.33399513237438	0.0222057077759001	0.0660727260278675	0.0787576744195484
ACC	UBE2A	cg18990292	-0.306474921017822	80	-2.82526168897317	0.00601379499878914	0.09392687721288	0.0287210490598442
ACC	UBE2A	cg25165659	-0.316983881831582	80	-2.93276210467738	0.00442304276498078	0.100478781341018	0.02249958731831
ACC	UHRF2	cg06523306	0.130653450306267	80	1.156391849726	0.251096143033125	0.0170703240769322	0.444697798348452
ACC	UHRF2	cg08487038	0.175150199533553	80	1.56106818517709	0.122608544382553	0.0306775923966435	0.274739642482551
ACC	UHRF2	cg13428749	-0.302271665846912	80	-2.78258747827259	0.00677976565349731	0.091368159973867	0.0315853348151057
ACC	UHRF2	cg14078101	0.0214013875127615	80	0.187839435243587	0.851496648615562	0.000458019387471386	0.920824197317084
ACC	UHRF2	cg20595300	0.344620187324487	80	3.22136349733592	0.00187029052632631	0.118763073511565	0.0112529040312166
ACC	UHRF2	cg24119045	-0.00389660388951518	80	-0.0341928199469694	0.972811875137967	1.51835218717848e-05	0.985688331765356
ACC	USP27X	cg00478198	-0.0349063930120205	80	-0.306489134289717	0.760059486721542	0.00121845627310963	0.866484967687329
ACC	USP27X	cg01125381	-0.143687923631765	80	-1.27407745108784	0.206468056226576	0.0206462193976078	0.391030674021088
ACC	USP27X	cg01290688	-0.0721050298378262	80	-0.634370306563543	0.527719453375325	0.00519913532791381	0.70624657496052
ACC	USP27X	cg01855997	-0.0442658835358062	80	-0.388812671473207	0.698487815607038	0.00195946844520556	0.827084419418615
ACC	USP27X	cg06455206	-0.0764822338566213	80	-0.673100427023757	0.502898633165555	0.0058495320956989	0.686431839640685
ACC	USP27X	cg06624970	-0.0206576247663085	80	-0.18130861136873	0.856601759466371	0.000426737460985601	0.923712640014511
ACC	USP27X	cg16810342	-0.0742471383679384	80	-0.65331923972587	0.515496638091112	0.00551263755582779	0.696829634468462
ACC	USP27X	cg16867483	0.00422926109530843	80	0.0371119474019947	0.970491793007158	1.78866494122894e-05	0.984385160501246
ACC	USP27X	cg19318186	0.011570001439298	80	0.101533146683317	0.919391177583887	0.000133864933305358	0.957522722354088
ACC	USP51	cg00834229	0.0208750889151604	80	0.183218086576224	0.855108489638096	0.000435769337215852	0.922844318335637
ACC	USP51	cg01084827	-0.152781095093784	80	-1.3565747813743	0.178880512138245	0.0233420630180558	0.355585296059349
ACC	USP51	cg02714202	-0.0143234158886622	80	-0.125700359348354	0.900296743638038	0.00020516024271958	0.947402603611416
ACC	USP51	cg03728850	0.0676679152061616	80	0.595147684250616	0.553489842624981	0.00457894674834828	0.72542268375847
ACC	USP51	cg07386410	0.0368379410576916	80	0.323471176073363	0.747215325099105	0.00135703390136996	0.858079344002476
ACC	USP51	cg12064531	0.0772672588647509	80	0.680050512607825	0.498512045120384	0.00597022929247242	0.682780436945988
ACC	USP51	cg12517811	0.0878613233841186	80	0.773973157746733	0.441316571164516	0.00771961214680867	0.633918928637917
ACC	USP51	cg18770944	-0.0848906864441123	80	-0.747611425306796	0.456971708018553	0.00720642864495259	0.647204650699012
ACC	USP51	cg21331369	0.0261062695033752	80	0.229159688928378	0.81935238875985	0.000681537307382859	0.902792839415335
ACC	USP51	cg25424556	0.024328436534296	80	0.213544369097493	0.831466803780016	0.000591872824203267	0.909691101041144
ACC	WDR82	cg01736403	0.00186602013618267	80	0.0163742887490761	0.986978145451615	3.48203114863921e-06	0.993148441205393
ACC	WDR82	cg03869063	-0.118041564511916	80	-1.0431032192254	0.300164395856584	0.0139338109524209	0.498452174339169
ACC	WDR82	cg10989431	0.109773972329662	80	0.969119497875338	0.335519874892612	0.0120503250010335	0.535084730368919
ACC	WDR82	cg11442381	-0.128551393112071	80	-1.13747167151962	0.258868357606219	0.0165254606710541	0.453573005803112
ACC	WDR82	cg11665333	-0.333082377511792	80	-3.09979110865674	0.00270455928671594	0.110943870208908	0.0151613007593935
ACC	WDR82	cg12661343	-0.0170323158100829	80	-0.149479648247682	0.881565997974325	0.0002900997818544	0.937135940290712
ACC	WDR82	cg13539115	-0.0861050372345907	80	-0.758385229039809	0.450535466942604	0.00741407743717025	0.641311519729548
ACC	WDR82	cg15991175	-0.01587693750412	80	-0.139337124138567	0.889547556980845	0.000252077144509733	0.941467059185646
ACC	WDR82	cg17632831	-0.0347071336530523	80	-0.304737458204836	0.761388261628159	0.00120458512641084	0.86731435557058
ACC	WDR82	cg24007312	-0.0111852828871085	80	-0.0981565994025761	0.922063014650476	0.000125110553264643	0.959085587326271
ACC	WDR82	cg26236504	0.0718195239542709	80	0.631845415001512	0.529359411937214	0.00515804402101809	0.707545910620732
ACC	WDR82	cg26858096	-0.0986047995290927	80	-0.869490918652946	0.38728101320204	0.00972290649017256	0.585210651711078
ACC	ZMYND1	cg00614684	0.13182905364885	80	1.16698011030967	0.246819749315388	0.0173788993859514	0.440026610872973
ACC	ZMYND1	cg02813021	-0.136137967899491	80	-1.20583225372309	0.231574461591884	0.0185335463038027	0.422067419466276
ACC	ZMYND1	cg02867818	0.190844843173662	80	1.70601285237603	0.0920364365325411	0.0364217541659796	0.224377390899796
ACC	ZMYND1	cg03254875	0.229294111313858	80	2.06712159836259	0.0420833875860916	0.0525757894832119	0.12706520682602
ACC	ZMYND1	cg05236965	0.115587194771402	80	1.02111772538742	0.310396206230327	0.013360399595122	0.509214729385956
ACC	ZMYND1	cg08828193	-0.0535459085696566	80	-0.470538480571524	0.639300516739361	0.00286716432455002	0.788036069769483
ACC	ZMYND1	cg12639781	0.0711891534540828	80	0.626271240671905	0.532989264053829	0.00506789556950895	0.710142895408435
ACC	ZMYND1	cg13939078	-0.318655711099603	80	-2.94997305459317	0.0042078560460598	0.101541462216394	0.021619837081248
ACC	ZMYND1	cg14255089	0.323924435179792	80	3.0044145323988	0.00358929752523365	0.104927039706547	0.0190104719279702
ACC	ZMYND1	cg14694828	-0.108290309816833	80	-0.955864753417624	0.342132007463768	0.0117267912002258	0.541312969322874
ACC	ZMYND1	cg17632565	0.197469652194445	80	1.76759487540394	0.0810903916756827	0.0389942635377953	0.204902911294314
ACC	ZMYND1	cg22593633	0.154604427983683	80	1.37315858708017	0.173688588537185	0.0239025291521619	0.348696943872304

ACC	ZMYND1	cg24757747	0.11875153321167	80	1.04946649792596	0.297246257423372	0.0141019266401223	0.495304984623434
BLCA	ACTL6A	cg03667091	0.00314467888795961	419	0.0638303256918689	0.949136288051445	9.88900530837891e-06	0.973026044919537
BLCA	ACTL6A	cg03839554	-0.150666202322448	419	-3.0935031880046	0.00211280338660347	0.0227003045222689	0.0124188459884722
BLCA	ACTL6A	cg07261848	-0.227923182565271	418	-4.74562651477569	2.87374581263288e-06	0.0519489771506819	4.35026623366341e-05
BLCA	ACTL6A	cg10112003	0.0568853130037788	419	1.15651847440175	0.248139292579442	0.00323593883553788	0.44147070683175
BLCA	ACTL6A	cg20132173	0.0135302511537044	419	0.274659245383192	0.783715715431101	0.000183067696282321	0.880650998280686
BLCA	ACTL6A	cg22619386	0.0824403770399384	419	1.67907245949188	0.0938960985909765	0.00679641576648721	0.227655460131722
BLCA	ACTL6A	cg25198545	0.0915108115426191	419	1.86529322262862	0.062850910598251	0.00837422862918875	0.170280133004121
BLCA	ACTL6A	cg25575835	-0.00263837558602218	419	-0.0535533618545409	0.957316972218594	6.9610257329179e-06	0.977560827701368
BLCA	ACTL6B	cg05729836	0.0740991867619704	418	1.50819543866061	0.13227093214934	0.00549068947878537	0.289578569697353
BLCA	ACTL6B	cg08572611	-0.14995931963006	418	-3.0786546588162	0.00221845748379787	0.0224877975439106	0.0129139989145893
BLCA	ACTL6B	cg09375063	-0.0626644313348647	418	-1.27445378083466	0.203220985013076	0.00392683095452197	0.387076691430777
BLCA	ACTL6B	cg14088161	-0.0207254459743666	418	-0.420770987220376	0.674141713076707	0.000429544110836387	0.811627152740914
BLCA	ACTL6B	cg16024950	-0.0809991013198087	418	-1.64952223460341	0.0998028678556113	0.00656085441461663	0.237906061037519
BLCA	ACTL6B	cg20497359	-0.0497669266651376	418	-1.01141156627738	0.312413095227749	0.00247674698969319	0.511477246672716
BLCA	ACTL6B	cg24471254	-0.347219876283717	418	-7.51537202934921	3.56938871207656e-13	0.12056164248648	2.15253508114174e-11
BLCA	ACTL6B	cg26990587	-0.159986942022001	418	-3.28975515873853	0.00108895475832084	0.025595821617551	0.00720542200125979
BLCA	AEBP2	cg02664216	0.0630423608287328	419	1.28217059517134	0.200503787936552	0.00397433925886014	0.38351630593632
BLCA	AEBP2	cg07849438	-0.0282828694371742	419	-0.574309297037587	0.56607193978099	0.000799920703600243	0.735217461502672
BLCA	AEBP2	cg08161947	-0.0880480351201893	419	-1.79414798015157	0.0735226187127897	0.0077524564885261	0.191102082952877
BLCA	AEBP2	cg24304000	0.0317575593150966	419	0.644933355135987	0.519329324739233	0.00100854257365188	0.699930796222586
BLCA	AEBP2	cg26259627	-0.00675123130282944	419	-0.137038151921598	0.891067579776939	4.55791241043041e-05	0.942381675700361
BLCA	AFF4	cg00931577	0.0522939753423009	419	1.06290610880787	0.288447134369228	0.00273465985710117	0.48595500421483
BLCA	AFF4	cg01907658	-0.0310282490410674	419	-0.63010806195895	0.528973190050355	0.000962752238554501	0.70732820562373
BLCA	AFF4	cg05619425	0.204796222173564	419	4.24692443025075	2.68125271175915e-05	0.041941492616564	0.000308878088936164
BLCA	AFF4	cg06638012	-0.0492840768917076	419	-1.00157461646193	0.317136959821203	0.00242892023506775	0.516374746794146
BLCA	AFF4	cg13393914	-0.0212081049173528	419	-0.43057435777245	0.667003044497992	0.000449783714185444	0.806817204043923
BLCA	AFF4	cg13565585	-0.0312523584440682	419	-0.634663610840685	0.526000095569864	0.000976709908316523	0.704769779288361
BLCA	AICDA	cg07999668	0.0515942281748472	419	1.04864511231379	0.294956237901422	0.0026619643809582	0.492854470247294
BLCA	AIRE	cg08089567	-0.0724268088297613	418	-1.47397471395914	0.141252042014487	0.00524564263726279	0.303249844256403
BLCA	AIRE	cg09510531	-0.0317438092860765	418	-0.644653837460291	0.519510305096189	0.0010076694279908	0.700075964045829
BLCA	AIRE	cg11923631	-0.0364484838192111	418	-0.74031533490679	0.459530344900697	0.0013284919727193	0.649424056634917
BLCA	AIRE	cg12843033	-0.0350288170064633	418	-0.711443942146612	0.477211783187255	0.0012270180208723	0.664903346729042
BLCA	AIRE	cg15955655	-0.0560620869297354	418	-1.13972855109767	0.255061576075095	0.00314295759091721	0.44932255572147
BLCA	AIRE	cg16501323	-0.011248853066424	418	-0.228341227234773	0.819494263629073	0.000126536695309996	0.902815161705527
BLCA	AIRE	cg16717549	-0.030637163546069	418	-0.622158560078195	0.534181761966484	0.000938635790148579	0.711033005435611
BLCA	AIRE	cg17356252	-0.0347814485310268	418	-0.706413720246643	0.480330179829825	0.00120974916191647	0.667610119699156
BLCA	AIRE	cg18689454	-0.0572697726985442	418	-1.164360444723	0.244951752821912	0.00327982686494291	0.437842393709568
BLCA	AIRE	cg18876487	-0.048209338065595	418	-0.979681810136248	0.327818119970156	0.00232414027672283	0.527320682042891
BLCA	AIRE	cg23272544	-0.0562607295372909	418	-1.14377970721536	0.253379123522927	0.00316526968806819	0.447406213208856
BLCA	AIRE	cg27251412	-0.0273837710145913	418	-0.556038362936446	0.578486469629014	0.000749870914979572	0.744733838921022
BLCA	ARID1A	cg04081153	0.067973311184208	419	1.38290599726828	0.167442710131052	0.00462037103334518	0.340214735816102
BLCA	ARID1A	cg04360147	0.0784658769637697	419	1.59760910208981	0.110896637074711	0.00615689384769345	0.25639244485824
BLCA	ARID1A	cg14851949	0.0404290441433483	419	0.821291448239778	0.411955255698443	0.00163450761034481	0.607607446568418
BLCA	ARID1A	cg17385674	0.139391819078978	419	2.8572392684992	0.00448999984841741	0.0194300792261466	0.0227479679718518
BLCA	ARID1A	cg20413923	0.0358467569921354	419	0.728077635954499	0.466979647579744	0.00128498998685321	0.656099236117367
BLCA	ARID1A	cg21294655	0.0892851465157915	419	1.81955766167954	0.0695520030140241	0.00797183738834636	0.183526508461875
BLCA	ARID1A	cg24542126	-0.0379954352538816	419	-0.771780397509006	0.440686943787589	0.00144365310013191	0.633310870461549
BLCA	ARID1A	cg25601319	-0.0804568205408192	419	-1.6384066533371	0.102100301198059	0.00647329997153759	0.24176759600042
BLCA	ARID2	cg00035453	-0.289001893097759	418	-6.11267936933446	2.28300674627101e-09	0.0835220942140887	7.06460727205277e-08
BLCA	ARID2	cg01183821	-0.0806189583195321	419	-1.64172997265462	0.101409033292021	0.00649941644052645	0.24068016156933
BLCA	ARID2	cg01353809	-0.268793681582991	419	-5.66437754363005	2.77345504868398e-08	0.0722500432589381	6.902052529025e-07
BLCA	ARID2	cg01751433	0.0523879794238983	419	1.06482205118692	0.287580109573979	0.00274450038811879	0.48508254649172
BLCA	ARID2	cg06613666	0.214300218358981	419	4.45327863150585	1.09060342514627e-05	0.0459245835887069	0.000141404004759715
BLCA	ARID2	cg07276957	-0.0712373787754884	419	-1.44964384394672	0.147918624179647	0.0050747641348024	0.312804526018374
BLCA	ARID2	cg23465749	-0.166004401185721	417	-3.4086276025722	0.000717550143681532	0.0275574612130299	0.00508991482425104
BLCA	ARID4A	cg02136725	-0.00274124979020748	419	-0.0556415028053445	0.955654373633323	7.51445041231254e-06	0.976401365130885

BLCA	ARID4A	cg06154646	0.187621369135699	41S	3.87715052001355	0.000122962537061888	0.0352017781563543	0.00115055900988604
BLCA	ARID4A	cg08066755	-0.0372242669136584	41S	-0.756094117996351	0.450024855876809	0.00138564604725928	0.641040134678076
BLCA	ARID4A	cg08790491	-0.117736250840334	41S	-2.4065224884699	0.0165445317918948	0.0138618247619381	0.0629007311022508
BLCA	ARID4A	cg10064886	0.105424404729976	41S	2.15187340559253	0.0319877951209035	0.0111143051126698	0.103517556205981
BLCA	ARID4A	cg10242170	0.0313726435714353	41S	0.637108727447801	0.524407878263511	0.00098424276466032	0.703581851260397
BLCA	ARID4A	cg10844118	-0.265612566548293	41S	-5.59221961877076	4.08951172460729e-08	0.0705500355083716	9.76786844040833e-07
BLCA	ARID4A	cg12203852	0.138053698794461	41S	2.8292750676293	0.00489337992196106	0.0190588237508318	0.0243624927548233
BLCA	ARID4A	cg14272338	0.0013689194147187	41S	0.0277860554373768	0.977846241620314	1.87394036399379e-06	0.98852003171519
BLCA	ARID4A	cg14460816	-0.114201728247545	41S	-2.33330738762436	0.0201123907545546	0.0130420347347261	0.0731508404488204
BLCA	ARID4A	cg17323045	0.121049556714924	41S	2.4752394094084	0.013716000008176	0.0146529951808797	0.0545038823433644
BLCA	ARID4A	cg19548283	-0.237960215686669	41S	-4.97291224184449	9.69832273701382e-07	0.0566250642496462	1.6673399314989e-05
BLCA	ARID4A	cg20996579	-0.0807244847945283	41S	-1.64389300707416	0.100961124048683	0.00651644244534203	0.239879526170147
BLCA	ARID4A	cg26429530	-0.0967634474158585	41S	-1.97334356798175	0.0491243125033458	0.00936316475580162	0.142426087018682
BLCA	ARID4A	cg27026909	-0.278486339086414	41S	-5.88548394080221	8.23203221135257e-09	0.0775546410577531	2.29042458458498e-07
BLCA	ARID4B	cg05652840	0.0716533381384294	41S	1.45815195759735	0.1455605170599	0.0051342008663801	0.309493136114515
BLCA	ARID4B	cg06212607	-0.144355289666407	41S	-2.95751147144289	0.00328033174248931	0.0208384496546722	0.0176834680600938
BLCA	ARID4B	cg06891548	-0.339969758316461	41S	-7.33769200698517	1.16632352984271e-12	0.115579436569753	6.52755199140891e-11
BLCA	ARID4B	cg07814876	-0.252210383630318	41S	-5.29033538320926	1.98738735113805e-07	0.0636100776109523	4.03567767148091e-06
BLCA	ARID4B	cg10107779	0.0778473966154267	41S	1.58493941049357	0.113747321302361	0.00606021715979955	0.26095951610803
BLCA	ARID4B	cg11732257	-0.317265119186662	41S	-6.7906022614024	3.91289208365194e-11	0.100657155852527	1.664294842841e-09
BLCA	ARID4B	cg22596515	0.178996143888377	41S	3.69286551746323	0.000251598784689821	0.0320396195269087	0.00210393161949478
BLCA	ARID4B	cg23687319	-0.284496889787285	41S	-6.02356830506877	3.78393010876699e-09	0.0809384802986384	1.12011818448029e-07
BLCA	ARID4B	cg26020585	0.0815057628336071	41S	1.65990903029689	0.0976936434164298	0.00664318937508821	0.234140894541968
BLCA	ASH1L	cg03119126	0.00754645574975811	41S	0.153180684015181	0.878330784418118	5.69489943830572e-05	0.935408422792357
BLCA	ASH1L	cg08095278	0.163845212751273	41S	3.37125351359139	0.00081892307319253	0.0268452537415098	0.00567902492030128
BLCA	ASH1L	cg09410084	0.210542051265193	41S	4.37152550718195	1.56413922481613e-05	0.044327955350955	0.000193481709103746
BLCA	ASH1L	cg10558228	-0.266168163292571	41S	-5.59118763146501	4.12366613024327e-08	0.0708454911505406	9.83434956885791e-07
BLCA	ASH1L	cg17038116	0.0693996957150776	41S	1.41206455305463	0.158685791307775	0.00481631776534536	0.327891908124972
BLCA	ASH1L	cg20064047	-0.0278140725201296	41S	-0.564782518518111	0.572529069852675	0.000773622630155029	0.740101802261864
BLCA	ASH1L	cg21852905	0.00891520312652157	41S	0.180966051434087	0.85648321035378	7.94808467871399e-05	0.923661623409421
BLCA	ASH1L	cg23821590	-0.11532175382273	41S	-2.35649805652958	0.018915506197764	0.0132991069047503	0.0697416837749207
BLCA	ASH1L	cg24312492	-0.0154999021495	41S	-0.314651451668466	0.753185592663595	0.000240246966644076	0.861920368332627
BLCA	ASH1L	cg26185843	-0.151379361878431	41S	-3.10848848696525	0.00201088894886448	0.022915711202721	0.011951510376397
BLCA	ASH2L	cg00590869	0.170189908646909	41S	3.50562036301499	0.000505571946643079	0.0289646050052434	0.00378359442204442
BLCA	ASH2L	cg01642070	-0.0887903761778014	41S	-1.8093943017354	0.0711184375042797	0.00788373090179548	0.186502198793458
BLCA	ASH2L	cg02897270	-0.0494738082245057	41S	-1.00543987016074	0.315275223590679	0.00244765770023516	0.514463245039504
BLCA	ASH2L	cg03189282	-0.115985237518811	41S	-2.37024009620825	0.018236164661138	0.013452575322295	0.067804052652515
BLCA	ASH2L	cg03705346	0.0583092606321642	41S	1.18556588697444	0.236477105727189	0.00339996987546965	0.427838826741479
BLCA	ASH2L	cg10062221	0.0759338820811943	41S	1.54575228173051	0.122932149534473	0.00576595444792072	0.275252810294865
BLCA	ASH2L	cg21453287	0.0151990525545997	41S	0.308542713006965	0.75782535103992	0.000231011198557483	0.864981129503282
BLCA	ASH2L	cg24318412	0.235371541413742	41S	4.91562262283565	1.28005248450904e-06	0.0553997625074807	2.12869608764208e-05
BLCA	ASH2L	cg27255459	0.101981048221258	41S	2.08083797820131	0.0380659475949481	0.0104001341963065	0.118031899525744
BLCA	ASXL1	cg00174466	-0.131941923378918	41S	-2.70174872436676	0.00718241359333891	0.0174086711449283	0.0330777103410021
BLCA	ASXL1	cg04218270	-0.229508499263059	41S	-4.78627543597535	2.37212893943375e-06	0.0526741512339817	3.67238604406585e-05
BLCA	ASXL1	cg09065199	0.151489889918705	41S	3.11081140663253	0.00199550245358697	0.0229491867475814	0.0118765295596622
BLCA	ASXL1	cg10421984	-0.336684672556242	41S	-7.25767394354492	1.9744560122242e-12	0.113356568734304	1.073381069287e-10
BLCA	ASXL1	cg12592359	-0.0757406194746903	41S	-1.54179539254844	0.123891011063545	0.00573664143840983	0.276746606405486
BLCA	ASXL1	cg16926526	0.0380304574950749	41S	0.772492814955453	0.440265510758749	0.0014463156972847	0.632876587160763
BLCA	ASXL1	cg18793288	-0.102929312426783	41S	-2.10039273354019	0.0363016176400759	0.0105944433566502	0.113976524189575
BLCA	ASXL1	cg24727216	-0.001160521020405	41S	-0.0235560198529366	0.981218157893482	1.34680903880186e-06	0.990332979256928
BLCA	ASXL2	cg05165989	0.219902620161239	41S	4.57553646052562	6.29509114566809e-06	0.0483571623537782	8.71233447048751e-05
BLCA	ASXL2	cg05496738	0.0917442658772683	41S	1.87009213576843	0.0621799317650592	0.00841701032135889	0.16899445428607
BLCA	ASXL2	cg06583696	0.279599745674514	41S	5.91100570860172	7.1381151626171e-09	0.0781760177812527	2.01368250225852e-07
BLCA	ASXL2	cg09476286	0.0774776357550194	41S	1.57736566686031	0.115478882981285	0.00600278404218746	0.263664129568152
BLCA	ASXL2	cg19084174	0.0847635277850822	41S	1.72672602531598	0.084966447606359	0.0071848556425724	0.211977417262815
BLCA	ASXL2	cg20667782	0.217609010551495	41S	4.52542774906981	7.89708564659311e-06	0.0473536814732005	0.000106325005329018
BLCA	ASXL2	cg24738909	0.156883425863135	41S	3.22431199901625	0.00136332310359871	0.0246124093105537	0.00868761119932486

BLCA	ASXL3	cg09963640	-0.0507765462907997	419	-1.03198254176249	0.302685698968407	0.00257825765322173	0.50104543504869
BLCA	ASXL3	cg12361352	-0.00623758538158449	419	-0.12661161842433	0.899309566645617	3.89074713925565e-05	0.946832025424861
BLCA	ASXL3	cg17880622	-0.0240739879854516	419	-0.488790248615561	0.625250281543974	0.000579556897523666	0.778174506186395
BLCA	ASXL3	cg20034091	0.00403508847240446	419	0.0819040175047947	0.934762813940216	1.62819389801314e-05	0.965308083837773
BLCA	ASXL3	cg20329085	-0.00567322021736008	419	-0.115155646803533	0.908377855203047	3.21854276346632e-05	0.951376543090361
BLCA	ASXL3	cg24880056	-0.0379743629984041	419	-0.771351750059348	0.440940623481802	0.00144205224513456	0.633486423653126
BLCA	ASXL3	cg27109877	-0.00442247278962922	419	-0.0897672714333953	0.928515778586866	1.95582655750109e-05	0.962233661205662
BLCA	ATAD2B	cg08192560	0.040858330002556	419	0.830026635377647	0.407004407865322	0.00166940313059777	0.603187169577742
BLCA	ATAD2B	cg14009731	0.0495870559615357	419	1.00774703308001	0.314167398114058	0.00245887611893247	0.513236845209682
BLCA	ATAD2B	cg15717719	0.102586982336467	419	2.09333266379072	0.0369303732355964	0.0105240889449027	0.115411312555308
BLCA	ATAD2B	cg16929802	0.168541180758266	419	3.47066149079533	0.00057401852104384	0.0284061296113905	0.00421315188471407
BLCA	ATAD2B	cg17933838	0.0390747073803011	419	0.793736118907354	0.427805971592117	0.00152683275685615	0.622081492252885
BLCA	ATAD2B	cg19614157	0.0544983059456468	419	1.10784119881742	0.268576735099334	0.00297006535094532	0.464386080421355
BLCA	ATAD2B	cg20806130	-0.149224276418918	419	-3.0632197216067	0.00233341756022428	0.0222678846727496	0.0134673110527552
BLCA	ATAD2B	cg27610867	-0.134459161570848	419	-2.75423372360738	0.00614354129422902	0.0180792661303355	0.029234808627554
BLCA	ATAT1	cg01245721	-0.166211983060221	419	-3.42132526657177	0.000685446586227451	0.0276264233128111	0.00489881779779314
BLCA	ATAT1	cg05093836	0.074853064328094	419	1.52362568520889	0.128369423345558	0.00560298123930577	0.283570945628903
BLCA	ATAT1	cg06814856	0.0223971390625715	419	0.454726338339839	0.64954562785079	0.000501631838188167	0.795021201923006
BLCA	ATAT1	cg07142893	-0.0872782103380593	419	-1.77834037501858	0.0760853407716804	0.00761748599981452	0.195901843625584
BLCA	ATAT1	cg07816366	0.0165638451728225	419	0.336255467971907	0.736849417549901	0.000274360966909235	0.851593528477493
BLCA	ATAT1	cg08081524	-0.0914014149103232	419	-1.86304456011986	0.0631673772105442	0.00835421864760906	0.170909787143783
BLCA	ATAT1	cg08188471	-0.0915606356421566	419	-1.86405106195511	0.0630272944495391	0.00838334999919576	0.170680730476814
BLCA	ATAT1	cg08635134	-0.0712901263997764	419	-1.45072271192497	0.147617993476551	0.0050822821220961	0.312390690800436
BLCA	ATAT1	cg09532691	-0.460569157860491	419	-10.532088754741	3.95774081558396e-23	0.212123949172322	6.87251091534684e-21
BLCA	ATAT1	cg12907138	-0.0393254026699758	419	-0.79883642909588	0.424845520358939	0.00154648729515574	0.619769377264891
BLCA	ATAT1	cg13542073	-0.190063776272666	419	-3.92950125932495	9.98079749615965e-05	0.036124239051026	0.000962090990534973
BLCA	ATAT1	cg13964084	0.00598659940401957	419	0.121516873953842	0.903340894414725	3.58393724242075e-05	0.948758505509675
BLCA	ATAT1	cg15381130	0.0408855146998279	419	0.830579810017336	0.406692088583898	0.00167162531226985	0.602894417983342
BLCA	ATAT1	cg15729859	-0.0933898554025151	419	-1.90392792512536	0.0576159947974896	0.00872166509210268	0.159843753763272
BLCA	ATAT1	cg18298197	-0.060521503215008	419	-1.23070836624919	0.219134108926884	0.00366285235140422	0.407032110927319
BLCA	ATAT1	cg20629923	-0.0557433697996292	419	-1.13322885519786	0.257777170796182	0.00310732327661821	0.452270867433815
BLCA	ATAT1	cg22759096	-0.473905529375091	419	-10.9237987688573	1.44166333503515e-24	0.224586450772285	2.84651668745494e-22
BLCA	ATAT1	cg23328390	-0.0415812694922237	419	-0.84473818335936	0.398747294419877	0.00172900197258493	0.595350587711115
BLCA	ATAT1	cg26934609	0.00663550524380763	419	0.134689011604514	0.892923534823704	4.40299298405986e-05	0.943222019714917
BLCA	ATF7IP	cg00236831	0.0080011785944984	419	0.162411386676033	0.871061528615585	6.40188589010595e-05	0.931528357535337
BLCA	ATF7IP	cg11409060	-0.132714189491848	419	-2.71784494394834	0.00684812307739662	0.0176130560924781	0.0318473748614893
BLCA	ATF7IP	cg12526346	-0.187236086314949	419	-3.86889917514708	0.000127046378333688	0.0350573520185391	0.0011829451786104
BLCA	ATF7IP	cg12948116	-0.183558626267439	419	-3.78563135291192	0.000176155529903665	0.0336937692771894	0.00156080219741751
BLCA	ATF7IP	cg17439009	0.0837118659178344	419	1.7051503747257	0.0889201720342539	0.00700767649544548	0.218976127357795
BLCA	ATF7IP	cg19789919	0.000126192375016828	419	0.00256142548116921	0.997957520138854	1.59245155123878e-08	0.99895912452625
BLCA	ATF7IP	cg21275967	-0.045254238356728	419	-0.919502744464451	0.358370697094042	0.00204794608924755	0.557334703498253
BLCA	ATF7IP	cg26637901	-0.137110886525095	400	-2.74752179496063	0.00628052196935033	0.0187993952036976	0.0297411082349428
BLCA	ATM	cg01756564	-0.200519140125854	419	-4.15447224506165	3.96625523304739e-05	0.0402079255568121	0.000434578675492519
BLCA	ATM	cg01800843	-0.125522184406631	419	-2.56813392861758	0.0105763052431975	0.0157558187782123	0.0445271723178541
BLCA	ATM	cg01991180	-0.109380357422596	419	-2.23358032594329	0.0260468017652607	0.0119640625898949	0.0888682468543789
BLCA	ATM	cg02105423	0.112278699671372	419	2.29351112864589	0.0223213106006916	0.0126065063998942	0.0790655920764246
BLCA	ATM	cg03165700	-0.164584912338525	419	-3.38689623779498	0.000774825665348462	0.0270881933694799	0.00542057444335596
BLCA	ATM	cg03569616	-0.219392194139683	419	-4.56437827260225	6.62225002278743e-06	0.0481329348494242	9.10357515944028e-05
BLCA	ATM	cg04709886	-0.104632787963555	419	-2.13553575459359	0.0333063717344721	0.0109480203170262	0.106719217542383
BLCA	ATM	cg04826772	0.189006845139768	419	3.90683769469881	0.000109273362220453	0.0357235875096882	0.00103998188653999
BLCA	ATM	cg05033322	-0.148204458347691	419	-3.04181348405519	0.00250192570211885	0.0219645614741325	0.0142470924549106
BLCA	ATM	cg05637308	-0.0103109204957191	419	-0.209299954261252	0.834317535720383	0.00010631508146904	0.911179244504998
BLCA	ATM	cg06053805	-0.101195964359605	419	-2.06465260750395	0.0395811434412051	0.0102406232026705	0.121571994348749
BLCA	ATM	cg06081482	-0.151767978434833	419	-3.11665640027982	0.00195726503761112	0.023033519278196	0.0116856083143453
BLCA	ATM	cg06750635	-0.0586699018455634	419	-1.19292382954806	0.233585739854527	0.00344215738256804	0.424470194960127
BLCA	ATM	cg09808176	-0.126370007669991	419	-2.58576059786267	0.0100588139573024	0.0159693788385136	0.0428325920785848
BLCA	ATM	cg10610482	-0.254292798582363	419	-5.33702253319926	1.56355339535994e-07	0.0646648274108503	3.24880002239934e-06

BLCA	ATM	cg10976287	-0.114623259249541	41E	-2.34203432700643	0.0196544192250385	0.0131384915609875	0.0718411825960928
BLCA	ATM	cg11588932	-0.106649381055015	41E	-2.17716304142488	0.0300353365543683	0.0113740904794177	0.0987853114577656
BLCA	ATM	cg12019961	-0.207750756187124	40E	-4.27415777102608	2.39468592738772e-05	0.0431603766963216	0.000280096522380394
BLCA	ATM	cg12106634	-0.0935921586478332	41E	-1.90808866400608	0.057074577706323	0.00875949216036118	0.158779077955922
BLCA	ATM	cg12848864	-0.22184052307041	41E	-4.61793611757969	5.18785016350941e-06	0.049213217676153	7.34991104753325e-05
BLCA	ATM	cg14761454	-0.0951056117334556	41E	-1.93686835944683	0.0534464453538536	0.00904507738319481	0.151479625832763
BLCA	ATM	cg15370815	0.150401282553901	41E	3.08793780906195	0.00215184879679599	0.0226205457938584	0.012596476726415
BLCA	ATM	cg15504467	-0.0822060895415868	41E	-1.6742681868054	0.0948368007230856	0.00675784115771938	0.229278169603683
BLCA	ATM	cg16693212	0.00345317352372628	41E	0.0700921852006221	0.944154294739109	1.19244073849642e-05	0.970165960631898
BLCA	ATM	cg16788234	0.123466127781083	41E	2.52541114390553	0.0119304485380162	0.0152438847092548	0.0489229515347863
BLCA	ATM	cg17114932	-0.176116549828245	41E	-3.63153895230497	0.0003172504277929	0.0310170391234047	0.00256151321014228
BLCA	ATM	cg17420659	-0.128811861834978	41E	-2.63656028869325	0.0086916793595022	0.0165924957493935	0.0382616853832681
BLCA	ATM	cg18042593	-0.155930190073611	41E	-3.20423108643135	0.00145956163858276	0.0243142241763923	0.00919501877435961
BLCA	ATM	cg18391757	-0.0245541153978845	41E	-0.498544419316457	0.618366415318689	0.000602904582972627	0.773480795508098
BLCA	ATM	cg18457775	-0.0906286693596697	41E	-1.84716260359063	0.0654403621139054	0.00821355570990434	0.175444309552647
BLCA	ATM	cg19288979	0.237591901258212	41E	4.9647543047066	1.00908998851025e-06	0.0564499115434919	1.7211389293174e-05
BLCA	ATM	cg20342375	-0.102827483176294	41E	-2.09829257181723	0.0364876898839935	0.010573491296371	0.11441967699272
BLCA	ATM	cg22477592	-0.0383128665731063	41E	-0.778237644636419	0.436875625801746	0.00146787574504865	0.62987754014532
BLCA	ATM	cg22678707	-0.147714382937497	41E	-3.03153021232853	0.00258678511583843	0.0218195389266054	0.0146257984811058
BLCA	ATM	cg22837512	-0.090292856254632	41E	-1.84026181009928	0.0664488685542154	0.00815279989061964	0.177405250108082
BLCA	ATM	cg23275463	-0.159948315254021	41E	-3.2849461768642	0.00110744134184924	0.0255834635525997	0.00730537537079794
BLCA	ATM	cg23389069	-0.0262178828872845	41E	-0.53234789438173	0.594772033220822	0.000687377383091368	0.756275568434328
BLCA	ATM	cg24030675	-0.0332861401678044	41E	-0.676009456285068	0.499413923832816	0.00110796712727072	0.683593979021762
BLCA	ATM	cg24568245	-0.189479041378413	41E	-3.91696115922726	0.000104944810112615	0.0359023071216825	0.00100443855289134
BLCA	ATM	cg25400013	-0.11562992883566	41E	-2.36288056256926	0.0185972706193362	0.0133702804425398	0.0688374206861415
BLCA	ATM	cg25740661	0.174464012121789	41E	3.59638851141289	0.000361816946188318	0.0304376915256316	0.00285816282613465
BLCA	ATM	cg25918541	-0.14792959965632	41E	-3.03604583163346	0.00254920128191761	0.0218831664544791	0.0144700886191535
BLCA	ATM	cg27453365	-0.110512223696404	41E	-2.25697766853591	0.0245325946174625	0.012212951586324	0.0849700296606489
BLCA	ATM	cg27599391	-0.228207595822505	41E	-4.75765081656246	2.71414434268711e-06	0.052078706791088	4.14740021596938e-05
BLCA	ATR	cg00911981	0.0681706678523968	41E	1.38693990609668	0.166209974734766	0.00464723995544181	0.338543433533608
BLCA	ATR	cg00969988	-0.0301999137365394	41E	-0.613271025624516	0.540035550976717	0.00091203478969442	0.715333316068155
BLCA	ATR	cg11458642	0.160207740370331	41E	3.29441487368731	0.00107151987622603	0.0256665200745673	0.00711183493312242
BLCA	ATR	cg11936145	0.00800201540354397	41E	0.162428373675938	0.871048161087462	6.4032250518555e-05	0.931528357535337
BLCA	ATR	cg15135999	0.066333410639051	41E	1.34939320328635	0.177951739901782	0.00440012136700897	0.354487586625127
BLCA	ATR	cg15291273	-0.0202517961423884	41E	-0.411150888477287	0.681175671786524	0.000410135246992859	0.816808038971276
BLCA	ATR	cg15480357	0.100957103267328	41E	2.05972899701628	0.0400521402948605	0.01019233670013	0.122599526715728
BLCA	ATR	cg16031872	0.0663329672639891	41E	1.34938414402897	0.177954645865634	0.00440006254604545	0.354487586625127
BLCA	ATR	cg17945282	0.0135625559029113	41E	0.275315140708627	0.783212153967838	0.000183942922619595	0.880365361524859
BLCA	ATR	cg20032934	-0.114662583040749	41E	-2.34284851116885	0.0196121623901798	0.0131475079495766	0.0717406574026259
BLCA	ATR	cg20636078	0.0882549735943736	41E	1.7983978122652	0.0728458536972078	0.00778894036414357	0.189822379071162
BLCA	ATR	cg24631870	-0.0167147417269403	41E	-0.339319605956969	0.734541866002825	0.000279382590998319	0.850335800540741
BLCA	ATR	cg24856922	0.101178467962081	41E	2.06429194446072	0.0396154839039133	0.0102370823791539	0.121634248522754
BLCA	AURKB	cg02245743	-0.0424996297986614	41E	-0.863428391374763	0.388404329100629	0.00180621853302326	0.586140820272311
BLCA	AURKB	cg04612488	-0.203330251249487	41E	-4.21520814455849	3.0691710213997e-05	0.0413431910731797	0.000347544527567349
BLCA	AURKB	cg05617798	-0.166002510125268	41E	-3.41689118694876	0.00069639216859195	0.0275568333678897	0.00496609518410873
BLCA	AURKB	cg05811247	-0.199048268006597	41E	-4.12273580960988	4.52935928304082e-05	0.0396202129964261	0.000487219270001214
BLCA	AURKB	cg11009596	-0.110671262262782	41E	-2.26026594001643	0.0243260443308808	0.0122481282908375	0.0844566560751791
BLCA	AURKB	cg12844497	0.0328600044108912	41E	0.667345633698491	0.504924984007174	0.00107977988988379	0.688100942007841
BLCA	AURKB	cg13678641	-0.179872455261737	41E	-3.71154764949286	0.000234292024418785	0.0323541001618855	0.00198178903421061
BLCA	AURKB	cg21724796	-0.217327090226227	41E	-4.51927406033937	8.11890116922578e-06	0.0472310641461984	0.000108895714088668
BLCA	BAP1	cg00794529	-0.233802894053605	41E	-4.88096108052475	1.51215233072813e-06	0.0546637932678413	2.4615689296391e-05
BLCA	BAP1	cg02503646	-0.0833047544121961	41E	-1.69679971424003	0.0904898129587199	0.00693968210767631	0.221620844645217
BLCA	BAP1	cg03075736	-0.0918515137146143	41E	-1.87229683837842	0.0618736725761309	0.00843670057166598	0.168394915633708
BLCA	BAP1	cg05442719	0.0270337909299531	41E	0.548926647036755	0.583353148229215	0.000730825852044416	0.748359226735243
BLCA	BAP1	cg05908979	-0.0135418700774918	41E	-0.274895148610498	0.783534591028808	0.000183382245195667	0.880580552357001
BLCA	BAP1	cg09096430	-0.0990780077536967	41E	-2.0210079416482	0.0439252137246953	0.00981645162044158	0.131225732584445
BLCA	BAP1	cg10449522	-0.113043869160174	41E	-2.30934283314753	0.0214183994782387	0.0127789163547025	0.0767349621907573

BLCA	BAP1	cg10956904	-0.136807274896605	41S	-2.80324136042291	0.00529819813640684	0.0187162304646353	0.025974793661686
BLCA	BAP1	cg11234564	0.00475227315310643	41S	0.0964616990936372	0.923200795370218	2.25841001217361e-05	0.959627512660584
BLCA	BAP1	cg12859382	0.0308966539698689	41S	0.627433128077046	0.530722926754104	0.000954603226533817	0.708502050740909
BLCA	BAP1	cg16841708	0.0304678936452773	41S	0.618717939947054	0.53644411260335	0.000928292543179927	0.712547274258077
BLCA	BAP1	cg24291822	-0.124967388280349	41S	-2.55660253696122	0.0109275815589669	0.0156168481336115	0.0457043161181865
BLCA	BAP1	cg24747396	-0.00612032927781657	41S	-0.124231443145666	0.901192614249583	3.74584304688987e-05	0.947909386599947
BLCA	BAP1	cg25749966	-0.118167347593953	41S	-2.41545863486414	0.0161497445910004	0.0139635220373901	0.0617497000588873
BLCA	BAZ1A	cg05294307	0.169528931923202	41S	3.47886632497426	0.000557623858649518	0.0287400587590216	0.00411143876976406
BLCA	BAZ1A	cg07414384	-0.26496446995544	41S	-5.57754290619564	4.42345740102443e-08	0.0702061703387672	1.0472259435645e-06
BLCA	BAZ1A	cg23422263	-0.136090100863799	41S	-2.78826810525774	0.00554455337154385	0.0185205155531189	0.026935630093171
BLCA	BAZ1A	cg26967526	0.185394714827878	41S	3.82948922821195	0.000148384540906414	0.0343712002861102	0.00134931934252175
BLCA	BAZ1B	cg00525989	0.14818543310727	41S	3.04141423398932	0.00250517211109663	0.0219589225851891	0.0142617899166228
BLCA	BAZ1B	cg04742505	0.200882747050495	41S	4.162322152471	3.83763035692886e-05	0.040353878062553	0.000421911554532114
BLCA	BAZ1B	cg05166819	0.13441274054938	41S	2.75326534649937	0.00616140921764074	0.0180667848219949	0.0293019115220163
BLCA	BAZ1B	cg06059318	0.157945559207385	41S	3.24669783772922	0.00126298190592379	0.0249467996733337	0.008152374244062
BLCA	BAZ1B	cg06394887	0.128850116694378	41S	2.6373565180864	0.00867164678073271	0.0166023525721548	0.0382059290740398
BLCA	BAZ1B	cg14093368	0.151143774899356	41S	3.10353765618774	0.00204404741385038	0.0228444406908273	0.0121070979528762
BLCA	BAZ1B	cg15636799	0.0428929640260336	41S	0.871434085651925	0.384024688766016	0.00183980636293862	0.582218908595718
BLCA	BAZ1B	cg19160975	-0.0225242986126743	41S	-0.45730934970088	0.647689754613724	0.000507344027992919	0.793548732505237
BLCA	BAZ1B	cg20612831	-0.0510455956326678	41S	-1.03746494826703	0.300127723288513	0.00260565283349383	0.49840191490216
BLCA	BAZ1B	cg21340129	0.0772502182001119	41S	1.5727078403775	0.116554075234803	0.0059675962119649	0.265348035726676
BLCA	BAZ1B	cg25710357	0.182464788060809	41S	3.76686740307044	0.0001893879963663	0.0332933988820761	0.00165728344086838
BLCA	BAZ2A	cg14634319	0.109011534070778	41S	2.22595810841877	0.0265572968220782	0.0118835145604644	0.0901434769831473
BLCA	BAZ2A	cg18206859	0.0219942693683731	41S	0.446542929910272	0.65543972409119	0.000483747885048556	0.799084817300086
BLCA	BAZ2A	cg18955060	-0.19803323808607	41S	-4.10085183772592	4.9611272486803e-05	0.0392171633868541	0.000526242068698985
BLCA	BAZ2A	cg25683012	0.0341732246457208	41S	0.694046077828842	0.488044453319723	0.0011678092826869	0.674190639875741
BLCA	BRD7	cg03021120	-0.17283210899626	41S	-3.56170773997494	0.000411494412901548	0.0298709379012586	0.00318113846340684
BLCA	BRD7	cg16433860	-0.162855247838122	41S	-3.35032746600641	0.000881573943290761	0.0265218317484163	0.00604239324619924
BLCA	BRD7	cg16834187	0.0923417084551553	41S	1.88237464972076	0.0604896566956311	0.00852699112041691	0.165613160870695
BLCA	BRD8	cg01096096	0.00316906002491836	41S	0.0643252161203301	0.9487424734397	1.00429414415355e-05	0.972788970473146
BLCA	BRD8	cg03204906	-0.185724130513031	41S	-3.83653646387833	0.00014433561062345	0.0344934526548215	0.0013174286627761
BLCA	BRD8	cg03684156	-0.100224313360345	41S	-2.04462634206813	0.0415267456800443	0.0100449129885526	0.125775030306925
BLCA	BRD8	cg07430605	0.092491193775673	41S	1.88544816152881	0.0600727223081298	0.00855462092604908	0.164813872658743
BLCA	BRD8	cg07632946	-0.279845318634275	41S	-5.91663826681572	6.9165357537216e-09	0.078313402361519	1.955177988463e-07
BLCA	BRD8	cg08976717	-0.0411248564326894	41S	-0.835450195258118	0.403948496533929	0.00169125381660931	0.600431231048024
BLCA	BRD8	cg11110536	0.02342137611396	41S	0.475532460111062	0.634659523231223	0.000548560859071576	0.784791150863829
BLCA	BRD8	cg11346339	0.0665229748835923	41S	1.35326654680738	0.176712521965075	0.00442530618736305	0.352744892069974
BLCA	BRD8	cg12964860	-0.223586670948846	41S	-4.65618961340108	4.35151454177962e-06	0.0499909994259877	6.30042289713761e-05
BLCA	BRD8	cg14473243	0.00985248482487287	41S	0.199993307325167	0.84158449084087	9.70714572243501e-05	0.915193870031937
BLCA	BRD8	cg22106577	0.104717628171471	41S	2.13728651818234	0.0331628734497759	0.0109657816498584	0.106382578195159
BLCA	BRD8	cg22818036	-0.019510886693208	41S	-0.39610314717605	0.692233989644051	0.000380674699555203	0.823293854003505
BLCA	BRD8	cg23298160	-0.0871482453716369	41S	-1.77567198805853	0.0765250697983556	0.00759481667135503	0.196767188229822
BLCA	BRD8	cg26008208	0.0909512235133827	41S	1.85379153032759	0.0644835479959867	0.0082721250585813	0.173509490858883
BLCA	BRD8	cg26630792	0.0342672240532077	41S	0.695957413765106	0.48684789889947	0.00117424264431274	0.673240995573546
BLCA	BRD8	cg27119451	-0.0433648553348	41S	-0.881039220710066	0.378810258453984	0.00188051067820814	0.577362615273392
BLCA	BRD9	cg02364331	-0.153436905093046	41S	-3.15175064642173	0.00174152564501078	0.0235428838445323	0.0106246042523818
BLCA	BRD9	cg02822723	0.0992512771885357	41S	2.02457744922666	0.0435553656586655	0.00985081602355554	0.130371147212398
BLCA	BRD9	cg05193570	-0.0776719756518752	41S	-1.58134621334798	0.114566247218375	0.0060329358016655	0.262250011361078
BLCA	BRD9	cg07308931	-0.220197324890209	41S	-4.58198066219747	6.1132772585696e-06	0.0484868618888041	8.49395054568965e-05
BLCA	BRD9	cg09497020	-0.227319635632414	41S	-4.73812790294227	2.97414775959854e-06	0.0516742167440536	4.48045799400095e-05
BLCA	BRD9	cg10551270	-0.404246770751657	41S	-8.97098742414545	1.0456678102977e-17	0.163415451663142	1.11893647364923e-15
BLCA	BRD9	cg10600960	-0.17873921488494	41S	-3.68738975710768	0.000256895140697167	0.0319477069376849	0.00214142166272018
BLCA	BRD9	cg13722821	-0.250479119434653	41S	-5.25158072484698	2.42207955021977e-07	0.062739789272759	4.80303993193466e-06
BLCA	BRD9	cg17977043	-0.171088419451249	41S	-3.52468471749267	0.000471541694061823	0.0292712472703267	0.00356952650015316
BLCA	BRD9	cg20079193	-0.124265555980257	41S	-2.54201849943137	0.0113867318072009	0.0154419284030823	0.0471908483410254
BLCA	BRD9	cg21160852	0.0722280843603844	41S	1.46990918778068	0.142349564403777	0.00521689617037081	0.304765026784109
BLCA	BRD9	cg21758832	-0.112682147375452	41S	-2.30185812815355	0.0218412092937261	0.0126972663371431	0.0778515488833974

BLCA	BRD9	cg21910709	-0.11607680238699	419	-2.37213683508725	0.0181441029636869	0.0134738240523883	0.0675584518750231
BLCA	BRD9	cg24953233	-0.253329684052556	419	-5.3154199680746	1.7474522114165e-07	0.064175928822168	3.60014028959044e-06
BLCA	BRD9	cg25523559	-0.154627478516449	419	-3.17680292539052	0.00160118343843253	0.0239096571123547	0.00992529596887814
BLCA	BRD9	cg25951128	-0.254590116889809	419	-5.34369477909577	1.51065330186263e-07	0.0648161276179668	3.14813187691137e-06
BLCA	BRD9	cg26504197	-0.0505748038088884	419	-1.02787179200943	0.304613207543195	0.00255781078030755	0.503137349133088
BLCA	BRDT	cg00308185	-0.22668022834067	419	-4.72407745674653	3.17594021485305e-06	0.0513839259205782	4.75498639480905e-05
BLCA	BRDT	cg01515515	-0.334249401568818	419	-7.1985488359649	2.90529249062912e-12	0.111722662449113	1.52815634899258e-10
BLCA	BRDT	cg02935097	-0.130834145347753	419	-2.67866821726729	0.00768742335332008	0.017117573588877	0.0348769704524513
BLCA	BRDT	cg03421440	-0.529725252299344	419	-12.6770071995441	2.52544360545086e-31	0.280608842923604	7.33075969561358e-29
BLCA	BRDT	cg06442199	-0.482725150064913	419	-11.1881305533481	1.48674530155084e-25	0.233023570505193	3.16010557346573e-23
BLCA	BRDT	cg09250199	-0.306821397945895	419	-6.5434013598026	1.78821332766299e-10	0.0941393702374734	6.79259119200267e-09
BLCA	BRDT	cg13299824	-0.328348601116048	419	-7.05595472113966	7.3036374987154e-12	0.107812803854866	3.56001989708688e-10
BLCA	BRDT	cg14732540	-0.3217659253329	419	-6.89797443552862	1.99558843930769e-11	0.103533310705337	8.93752487320104e-10
BLCA	BRDT	cg19245011	-0.202800227381744	419	-4.20374836850389	3.22207052871597e-05	0.0411279322260872	0.000362588969638262
BLCA	BRPF1	cg04879506	-0.153130804617534	419	-3.14531189678662	0.00177938527212332	0.0234490433228135	0.0108094251022615
BLCA	BRPF1	cg13694772	0.092912173316864	419	1.89410445621638	0.0589112963548277	0.00863267195046299	0.162446667681393
BLCA	BRPF1	cg14712964	-0.0773539837697613	419	-1.57483307227408	0.116062521008805	0.0059836388050525	0.264589178902239
BLCA	BRPF1	cg17738494	0.162232178071939	419	3.33716224506337	0.000923245203908619	0.0263192796019654	0.00628042474579111
BLCA	BRPF1	cg20952324	0.099866944987704	419	2.03726227145291	0.0422623398274273	0.00997340670117709	0.127447240552579
BLCA	BRPF1	cg25467642	-0.102648871611565	419	-2.09460898605808	0.036816022083131	0.0105367908431276	0.115175357780798
BLCA	BRPF1	cg26227975	-0.0662269938401282	419	-1.347218865916	0.178650225668046	0.00438601471310038	0.355254611477722
BLCA	BRPF3	cg01499736	-0.00017128980295918	419	-0.0034768033238825	0.997227600699398	2.9340196597795e-08	0.99860101160044
BLCA	BRPF3	cg05882415	-0.0568660830425914	419	-1.15612624716845	0.248299483272641	0.00323375140060691	0.441588730917956
BLCA	BRPF3	cg10562781	0.06237579765957	419	1.26856063845278	0.205314094034637	0.00389074013366762	0.389546964326876
BLCA	BRPF3	cg14654948	-0.0443852395549687	419	-0.901810710466424	0.367684315406394	0.00197004949035196	0.566586800334723
BLCA	BRPF3	cg18779695	0.0610372931519929	419	1.24123604095957	0.215224801572923	0.00372555115532232	0.40225832384893
BLCA	BRPF3	cg23517469	0.0107110715100221	419	0.217423479137567	0.827985968555002	0.000114727052892808	0.907510044630906
BLCA	BRWD3	cg03164831	-0.0821803299305291	419	-1.67373998023047	0.0949406871993813	0.00675360662749062	0.229458674661013
BLCA	BRWD3	cg05835545	-0.0809031810694117	419	-1.64755597020609	0.100206226881959	0.00654532470715001	0.23857515574767
BLCA	BRWD3	cg09523186	-0.0948483487699751	419	-1.93392988561599	0.0538062954206074	0.00899620926439083	0.152222232378745
BLCA	BRWD3	cg11957438	-0.134549964611188	409	-2.72923829948454	0.00662549134654596	0.0181036929768718	0.0310156041641704
BLCA	BRWD3	cg15511898	-0.06300747191961	419	-1.28145818720174	0.200753515925448	0.00396994151770044	0.383814672349577
BLCA	BRWD3	cg22618269	-0.0982500548819747	419	-2.00395391839245	0.0457291701809335	0.00965307328431104	0.135182211014423
BLCA	BRWD3	cg25063710	-0.105923061522906	419	-2.16216697254744	0.0311802918802662	0.0112196949623853	0.101576198766056
BLCA	BRWD3	cg25708850	-0.236822843261514	394	-4.80764023735909	2.18616434561049e-06	0.0560850590904675	3.41644172564127e-05
BLCA	CARM1	cg12317676	0.071047357384236	419	1.445757362703	0.149005500184704	0.00504772699128336	0.314335056576426
BLCA	CARM1	cg17918830	-0.23753990621973	419	-4.96360282962505	1.01475329222105e-06	0.0564252070468781	1.73003983377261e-05
BLCA	CARM1	cg22378614	-0.0460613034997088	419	-0.935935737385543	0.349854538539759	0.00212164368009228	0.548925702515736
BLCA	CARM1	cg26504915	-0.206021762089787	419	-4.27346187258807	2.39307858645281e-05	0.0424449664545809	0.000279950609856406
BLCA	CBX1	cg01544580	-0.0767755797864573	419	-1.56298738300884	0.118823315073944	0.00589448965154667	0.26894315720879
BLCA	CBX1	cg01553295	-0.00817549917392222	419	-0.165950055256126	0.868277658836162	6.68387867428029e-05	0.930050700035805
BLCA	CBX1	cg02835499	-0.0194934520301193	419	-0.395749060177611	0.692495007926448	0.000379994672050562	0.823465808328061
BLCA	CBX1	cg04864609	-0.0405885152598396	419	-0.824536342228565	0.410111973916897	0.00164742757099824	0.606046023332348
BLCA	CBX1	cg11729481	-0.066668755880776	419	-1.35624537257263	0.17576389056687	0.0044447230106905	0.35155910084334
BLCA	CBX1	cg12245530	-0.0764206916886673	419	-1.55572007623055	0.120542465360278	0.00584012211817434	0.271507465281981
BLCA	CBX1	cg13342109	-0.0579153964267159	419	-1.17753064795641	0.2396635323501	0.00335419314326365	0.431591679038705
BLCA	CBX1	cg17778721	-0.0160287923564922	419	-0.325390753827652	0.745050533762553	0.000256922184407543	0.856832895609787
BLCA	CBX1	cg21511817	-0.0742652634918757	419	-1.5115944466081	0.131403677134208	0.00551532936151772	0.288239606907614
BLCA	CBX4	cg04398978	-0.108828935302603	419	-2.22218481030597	0.0268132063238344	0.0118437371590982	0.0907823724923345
BLCA	CBX4	cg04925705	0.0557312669052016	419	1.13298204403188	0.25788068448644	0.00310597411085882	0.452364865681606
BLCA	CBX4	cg05949524	-0.101076962881245	419	-2.06219960153799	0.0398152070255633	0.0102165524252966	0.122088459414532
BLCA	CBX4	cg07159673	0.0504338439643127	419	1.02499963770847	0.305964787897361	0.00254357261701664	0.504487499410511
BLCA	CBX4	cg10756274	0.048910870943453	419	0.993971889233565	0.320819956941853	0.00239227329644712	0.520269907451055
BLCA	CBX4	cg21365914	-0.0164017528173765	419	-0.33296401122669	0.739330814290698	0.000269017495482317	0.853168501601011
BLCA	CBX4	cg22353329	0.0248002617442707	419	0.503545211767299	0.614850119325737	0.000615052982584336	0.770884248100861
BLCA	CBX4	cg27487227	-0.0665144450600226	419	-1.35309225478398	0.176768145034877	0.00442417140164276	0.3528197114851
BLCA	CBX5	cg03689456	-0.0418612717170314	419	-0.850436479606683	0.395576417197063	0.00175236606976714	0.592275911301981

BLCA	CBX5	cg05754589	0.0182821121142534	419	0.371148377545147	0.710717793490931	0.000334235623358131	0.835247812572851
BLCA	CBX5	cg06399839	-0.0720359213875459	419	-1.46597806475443	0.143417041498902	0.0051891739701527	0.306303857542815
BLCA	CBX5	cg06621757	0.0158990285671135	419	0.322755829379653	0.747043897645039	0.00025277910937789	0.857958471343552
BLCA	CBX5	cg08288469	0.0300237640577792	419	0.609690709204626	0.542402802271896	0.000901426408197197	0.7169917860349
BLCA	CBX5	cg09060496	-0.0570680419124451	419	-1.16024560072842	0.246620706806476	0.0032567614077206	0.439815022228426
BLCA	CBX5	cg09158487	-0.0423230917914869	419	-0.859835371262729	0.39037983387509	0.00179124409879063	0.587768084007713
BLCA	CBX5	cg09653879	-0.0137844664990599	419	-0.279820697403728	0.779755501377505	0.000190011516663705	0.878294667045458
BLCA	CBX5	cg11005091	-0.026236549834292	419	-0.532727183306932	0.594509649842252	0.000688356547207285	0.756103387927405
BLCA	CBX5	cg11338003	-0.0508404064390183	419	-1.03328379673611	0.302077247577885	0.00258474692688457	0.500446790961907
BLCA	CBX5	cg12263485	0.0439765797826008	419	0.893491476620586	0.372115643176336	0.00193393956937546	0.570782269165366
BLCA	CBX5	cg12600134	0.0731708534488185	419	1.4891980286864	0.137200291465988	0.00535397379442847	0.297117709386884
BLCA	CBX5	cg13445218	-0.049623248271831	419	-1.00848437661049	0.313813891931843	0.00246246676904777	0.512863556092816
BLCA	CBX5	cg14017196	-0.0783598601992283	419	-1.59543719641729	0.111381255391726	0.0061402676904426	0.257138421282131
BLCA	CBX5	cg14394617	0.0920341740050455	419	1.8760519522918	0.0613549278205403	0.008470289184791	0.167334098438375
BLCA	CBX5	cg15708001	-0.0552074118339577	419	-1.12229968298015	0.262388661104008	0.00304785832140421	0.457776710067845
BLCA	CBX5	cg20545544	-0.0119305129172147	419	-0.242180200057183	0.808761040235554	0.000142337138467826	0.896620489434164
BLCA	CBX5	cg20927027	0.0963463415895158	419	1.96475745391791	0.050113925197126	0.00928261753768365	0.144514315779561
BLCA	CBX5	cg21826008	0.0291747750554048	419	0.592435441517469	0.553884036620272	0.000851167499533472	0.725731427973194
BLCA	CBX5	cg24505978	0.001419027957907	419	0.0288031507448725	0.977035534665126	2.0136403453217e-06	0.987957241060374
BLCA	CBX5	cg25817259	0.00975551031857339	419	0.198024655996318	0.843123441821512	9.51699815757918e-05	0.916181865105899
BLCA	CBX6	cg03028106	-0.0750163384989569	419	-1.52139839389255	0.128932604582409	0.00562745104179008	0.284455433506819
BLCA	CBX6	cg04134624	0.0448753394235843	419	0.911788448189983	0.362413275889783	0.0020137960883819	0.561356689721444
BLCA	CBX6	cg04215348	0.0292948643974927	419	0.594876117250815	0.552252844933105	0.000858189080067482	0.724546046356792
BLCA	CBX6	cg04801716	-0.00102518154903577	419	-0.0208089236864578	0.983408153030017	1.05099720848337e-06	0.991380470007356
BLCA	CBX6	cg06060673	0.0572433082957232	419	1.16382062363818	0.245170246310437	0.00327679634463922	0.438051771738038
BLCA	CBX6	cg09913544	0.047898522436458	419	0.973351026107518	0.330949985086521	0.00229426845159587	0.530652284552734
BLCA	CBX6	cg14498989	0.00782034567381827	419	0.158740534675907	0.873951081804276	6.11578064580081e-05	0.933249378291058
BLCA	CBX6	cg24649346	0.141066759158722	419	2.89226488560006	0.00402749224067352	0.0198998305395448	0.0208551541316671
BLCA	CBX6	cg25836955	0.0149356521322475	419	0.303194447128658	0.761894716717255	0.00022307370461551	0.867687092364142
BLCA	CBX7	cg00545295	-0.0725048664634954	419	-1.47377984325934	0.141306356604351	0.0052569556608893	0.303324596608231
BLCA	CBX7	cg01525244	-0.00936934676835644	419	-0.190185316635372	0.849257586885569	8.77846588657112e-05	0.919617281175022
BLCA	CBX7	cg02523424	-0.0974445662244591	419	-1.98736664171123	0.0475434610832798	0.009495443486673	0.139128649244383
BLCA	CBX7	cg03804568	-0.0152339294058303	419	-0.309250881711148	0.75728702451229	0.000232072605141822	0.864631994933965
BLCA	CBX7	cg10339854	-0.0953110440152709	419	-1.94345038146027	0.0526423925888407	0.0090841951112809	0.149780708943634
BLCA	CBX7	cg22268271	-0.0933285251169724	419	-1.90266660185027	0.0577809687958816	0.00871021360050935	0.160124418869579
BLCA	CBX7	cg26672614	-0.116888291768049	419	-2.38894928024418	0.0173457765868917	0.0136628727524525	0.0652576334171898
BLCA	CBX7	cg27062573	-0.0484279440472904	419	-0.984134611739509	0.325626901204238	0.00234526576464749	0.525033558951303
BLCA	CDYL2	cg01442398	-0.111309896067002	419	-2.27347206568014	0.0235116754537061	0.0123898929624469	0.0823125548015668
BLCA	CDYL2	cg02461391	-0.132406656961294	419	-2.7114344904483	0.00697953858476258	0.0175315228076657	0.0323210312037139
BLCA	CDYL2	cg06919916	-0.075807213118406	419	-1.54315882158845	0.123559955923141	0.00574673356077943	0.276308589487318
BLCA	CDYL2	cg10112854	0.154288207340192	419	3.16966247569964	0.00164008038283436	0.02380485092425	0.0101180343617935
BLCA	CECR2	cg03927893	-0.259812596510977	419	-5.46116116171028	8.19466595634462e-08	0.0675025853057757	1.81519317599053e-06
BLCA	CECR2	cg12632097	-0.153962321907347	419	-3.16280482974281	0.00167825657941437	0.0237043965671014	0.0103077761202401
BLCA	CECR2	cg13466481	-0.155320006604912	419	-3.19138175158173	0.00152439955806209	0.02412430445175	0.00952676246946354
BLCA	CECR2	cg26796679	-0.198303825796071	419	-4.10668434342553	4.84237325796193e-05	0.0393244073253586	0.000515896446493961
BLCA	CHAF1A	cg03006338	-0.0264111127375811	419	-0.53627410936747	0.592058541643142	0.000697546876037218	0.754488509382889
BLCA	CHAF1A	cg04346879	-0.0183796412507448	419	-0.373129001021754	0.709244333475031	0.000337811212506078	0.834340748198345
BLCA	CHAF1A	cg05297461	0.0676743584392762	419	1.37679580675931	0.169323053876227	0.00457981879016764	0.342797003415583
BLCA	CHAF1A	cg07783855	0.0589292157127226	419	1.19821474160556	0.231522236356868	0.00347265246451659	0.422003792708404
BLCA	CHAF1A	cg09700233	-0.0446530944239108	419	-0.907263774120808	0.364797658307985	0.00199389884163069	0.563725498200536
BLCA	CHAF1A	cg18804734	0.00279523736300593	419	0.0567373434465316	0.954781931431801	7.81335191554436e-06	0.97597192715476
BLCA	CHAF1A	cg23811775	-0.0243304870807742	419	-0.49400118944757	0.621568602367679	0.00059197260158772	0.775779044642888
BLCA	CHAF1A	cg24085258	-0.106829226740076	419	-2.18087679680848	0.0297574576424123	0.0114124836858825	0.098087015797374
BLCA	CHAF1B	cg00660452	0.0337370069152769	419	0.68517648986322	0.493617862578162	0.00113818563560144	0.678910010279083
BLCA	CHAF1B	cg02544117	0.013685054885096	419	0.277802290907951	0.781303482286821	0.000187280727208089	0.879172666141421
BLCA	CHAF1B	cg02908490	-0.11921452102557	419	-2.43717113096011	0.0152249471201761	0.0142121020233562	0.059069848699166
BLCA	CHAF1B	cg04634639	-0.0578703784555828	419	-1.17661226977617	0.240029646846995	0.00334898070259238	0.431982287207123

BLCA	CHAF1B	cg07872789	-0.101459713005313	41S	-2.07008964078977	0.0390665221693399	0.0102940733631205	0.120376322954871
BLCA	CHAF1B	cg13854874	-0.07176020601173	41S	-1.46033797713788	0.144959329988881	0.00514952716684593	0.308610068653127
BLCA	CHAF1B	cg25942896	-0.0594190034499107	41S	-1.20820879358841	0.227659987896132	0.0035306179709805	0.417387375056366
BLCA	CHD1	cg03255775	0.137060272828471	41S	2.8085245555159	0.00521367028788533	0.018785518387815	0.0256395642187086
BLCA	CHD1	cg03833628	-0.235659631117351	41S	-4.9219927933136	1.2413155762171e-06	0.0555354617383661	2.07136216079435e-05
BLCA	CHD1	cg08865521	0.0110947029216958	41S	0.225211735155177	0.821926223809528	0.000123092432920686	0.904386593830712
BLCA	CHD1	cg11365324	-0.0554071692499068	41S	-1.12637299115	0.260663315581447	0.00306995440428781	0.455860485406629
BLCA	CHD1	cg12662497	-0.252866636778673	41S	-5.30503988034313	1.84311953966036e-07	0.0639415359957573	3.77126884451178e-06
BLCA	CHD1	cg16890600	0.170954000729108	41S	3.52183208318307	0.000476493497605407	0.0292252703652878	0.00359851811986361
BLCA	CHD1	cg21082921	-0.230399613777053	41S	-4.80589881957947	2.16207681911874e-06	0.0530839820286154	3.38083626264368e-05
BLCA	CHD4	cg00079216	0.00235772812098445	41S	0.0478567870949781	0.96185356824254	5.55888189248088e-06	0.980001978725799
BLCA	CHD4	cg00824109	-0.0602299700287348	41S	-1.22475838488882	0.221366058476313	0.0036276492896623	0.409739730974
BLCA	CHD4	cg04344119	0.146337935400369	41S	3.00266034185263	0.0028393378616646	0.0214147913372426	0.0157473882534796
BLCA	CHD4	cg05147525	-0.116918761452343	41S	-2.38958064573927	0.0173164085631862	0.0136699967795498	0.0651723603175863
BLCA	CHD4	cg11565429	0.135988716744597	41S	2.78615175499748	0.00558019834290264	0.0184929310818422	0.0270791560032292
BLCA	CHD4	cg19509514	-0.139723200837514	41S	-2.86416698439421	0.00439485849626185	0.0195225728522801	0.0223854921664502
BLCA	CHD4	cg20308811	-0.107695030721918	41S	-2.19875840699953	0.0284503276392219	0.0115982196421948	0.0948965170152812
BLCA	CHRA1	cg00296189	-0.264196805698993	41S	-5.56016899515947	4.85315371711431e-08	0.0697999521415515	1.13821597910519e-06
BLCA	CHRA1	cg07270064	-0.283724355942923	41S	-6.00577758041085	4.18583521740462e-09	0.0804995101552265	1.23112614329972e-07
BLCA	CHRA1	cg08877624	-0.027620742214774	41S	-0.560853815391953	0.575202079980566	0.000762905400494998	0.74217656114756
BLCA	CHRA1	cg12002314	0.0226079937757574	41S	0.459009474440553	0.646469425722646	0.000511121382564685	0.7927152754432
BLCA	CHRA1	cg18770186	0.157420590889325	41S	3.23563201005348	0.00131169506195461	0.0247812424359442	0.00840820745300734
BLCA	CHRA1	cg19486048	0.230922186326327	41S	4.81741241352802	2.0473034240055e-06	0.053325056137731	3.22634407982136e-05
BLCA	CHRA1	cg22610305	-0.0461239544701826	41S	-0.937211476557723	0.349198840325159	0.00212741917596748	0.548257433609004
BLCA	CHRA1	cg23548819	-0.0723919179630964	41S	-1.47326090016661	0.141444268106948	0.00524058978637568	0.303486647905561
BLCA	CLOCK	cg05960024	-0.0155760458511421	41S	-0.31619755989065	0.752012689891023	0.00024261320435688	0.861122439869029
BLCA	CLOCK	cg06085476	-0.0688661743479161	41S	-1.40115714950147	0.161919869301031	0.00474254996931757	0.332420085831273
BLCA	CLOCK	cg07236904	0.091696065068414	41S	1.86910128915917	0.0623179814555263	0.00840816834903082	0.16925264613454
BLCA	CLOCK	cg07500410	0.0062934324309422	41S	0.127745256474607	0.898412901573785	3.96072917628351e-05	0.946303441312686
BLCA	CLOCK	cg11774413	0.118094837720164	41S	2.41395549073493	0.0162155644973919	0.0139463906961519	0.0619493014050045
BLCA	CLOCK	cg18928811	0.00587646008551227	41S	0.119281171962116	0.905110738558659	3.45327831366188e-05	0.949691373297898
BLCA	CLOCK	cg22523077	0.098174098743077	41S	2.00238959858955	0.0458977351523057	0.00963815366401544	0.135536304602129
BLCA	CLOCK	cg23506964	0.0697770341476579	41S	1.41977966004346	0.156428036442737	0.00486883449444342	0.324866191490064
BLCA	CREBBP	cg00039463	-0.160896365034881	41S	-3.30895083031531	0.00101878302792709	0.0258876402814375	0.00681647947661135
BLCA	CREBBP	cg00747661	0.0246309230049664	41S	0.500104858866885	0.617268248797373	0.000606682368076581	0.772641118068084
BLCA	CREBBP	cg03039399	-0.0980999275752342	41S	-2.00086207443854	0.0460628417858715	0.0096235957902662	0.135874292416111
BLCA	CREBBP	cg03264209	-0.210032685165126	41S	-4.36046073985164	1.64167393761948e-05	0.044113728837673	0.00020159807782663
BLCA	CREBBP	cg08506924	-0.0557701254506464	41S	-1.13377447798162	0.257548436858154	0.00311030689278084	0.452071397030929
BLCA	CREBBP	cg24567591	-0.136975408406724	41S	-2.80675232332924	0.00524188762239903	0.0187622625081888	0.0257441544000575
BLCA	CTCF	cg01866162	-0.0930920720104382	41S	-1.897803893808	0.0584206762279913	0.00866613387119662	0.161485644005109
BLCA	CTCF	cg04487155	0.0201798462287341	41S	0.409689569007477	0.682246606681478	0.000407226193815356	0.816810189913185
BLCA	CTCF	cg06241380	0.0123287823039726	41S	0.25026597026083	0.802506417696742	0.000151998873098747	0.892293174660554
BLCA	CTCF	cg07967402	0.0779646774989148	41S	1.58734179054659	0.113202380247026	0.0060784909375098	0.260272635460743
BLCA	CTCF	cg08324636	0.188621696653179	41S	3.89858253752721	0.000112927654430703	0.0355781444483239	0.00106978737807868
BLCA	CTCF	cg10218542	-0.152130769896657	41S	-3.12428285885319	0.00190838842215826	0.0231437711493495	0.011450036164845
BLCA	CTCF	cg10481400	-0.0189464010921521	41S	-0.384638982843065	0.700703372389937	0.000358966114344701	0.828515062587782
BLCA	CTCF	cg23858565	-0.0428622903415116	41S	-0.87080975691314	0.384365143136916	0.00183717593332004	0.582530721706473
BLCA	CXXC1	cg02159718	-0.10768256470006	41S	-2.19850090812882	0.0284687924707895	0.0115955347403827	0.094949678091001
BLCA	CXXC1	cg07675399	-0.0190101591314971	41S	-0.385933829193312	0.699744881985121	0.000361386150204842	0.827923244854
BLCA	CXXC1	cg11871295	0.113617525171842	41S	2.32121476489442	0.0207624233920582	0.0129089420261741	0.0749396576330336
BLCA	CXXC1	cg13423076	-0.198129283380718	41S	-4.10292197786141	4.91866401559617e-05	0.039255212932957	0.000522592936942487
BLCA	CXXC1	cg15632775	0.135181252564728	41S	2.76929946214105	0.00587152456089289	0.0182739710449688	0.028187569484236
BLCA	CXXC1	cg20016845	-0.0760561448229655	41S	-1.54825559890615	0.122328538710772	0.0057845371653319	0.274280215023801
BLCA	CXXC1	cg27419474	-0.0954182174387636	41S	-1.94565578108692	0.05237581152087	0.00910463621919116	0.149255426259371
BLCA	DAXX	cg00221327	-0.060320353999176	41S	-1.22362220890601	0.221797521268794	0.00363854510658591	0.410266015112251
BLCA	DAXX	cg02173004	-0.241172292067615	41S	-5.04415464458134	6.84253623252401e-07	0.0581640744611471	1.22089778063353e-05
BLCA	DAXX	cg02328295	-0.0433963145377884	41S	-0.881679579552247	0.378464182862029	0.00188324011546266	0.577064050088592

BLCA	DAXX	cg03085224	-0.17120103421756	419	-3.52707478430049	0.000467429985185018	0.029309794117162	0.00354417624439408
BLCA	DAXX	cg03369465	-0.103324269126863	419	-2.10853908940109	0.0355875198737342	0.0106759045906004	0.1122484398742
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BLCA	DAXX	cg03902329	-0.0601268229487269	419	-1.22265330304513	0.222159616724551	0.00361523483790755	0.4106809215947
BLCA	DAXX	cg04086445	-0.210420843897694	419	-4.36889222796212	1.58226739844644e-05	0.0442769315466176	0.000195165546210151
BLCA	DAXX	cg04152866	-0.0579539790276259	419	-1.17831774866572	0.239350066666036	0.0033586636851345	0.431208149098391
BLCA	DAXX	cg04271391	0.0137031448548001	419	0.278169580500837	0.78102173113955	0.000187776178911635	0.879071784832532
BLCA	DAXX	cg04488476	-0.023264134113908	419	-0.472338185676244	0.636935506651383	0.000541219936069897	0.786316921438351
BLCA	DAXX	cg04973788	-0.111494891068303	419	-2.27729805632141	0.0232802229420506	0.0124311107343327	0.0816934306262746
BLCA	DAXX	cg05431670	-0.0671052128696532	419	-1.36184673151277	0.173994051224229	0.00450310959428147	0.349136117939699
BLCA	DAXX	cg05532204	-0.0692519961556662	419	-1.40904483612867	0.159576194118001	0.00479583897154441	0.329207097648195
BLCA	DAXX	cg06171013	-0.134945416219871	419	-2.76437846919458	0.005959152218581	0.0182102653587541	0.0285213662909001
BLCA	DAXX	cg07689821	-0.142518843329955	419	-2.92265073266233	0.00366187841989789	0.0203116207041082	0.0193212269260402
BLCA	DAXX	cg08375286	-0.0379803751995025	419	-0.771474048901821	0.44086823671465	0.00144250890029499	0.633430816362331
BLCA	DAXX	cg08567382	-0.13258607198407	419	-2.71517426338521	0.00690259895709929	0.017579066484165	0.0320623825691774
BLCA	DAXX	cg09097215	-0.142084038495707	419	-2.91355013581036	0.00376806953721445	0.0201878739952495	0.0197889152486371
BLCA	DAXX	cg09432361	-0.0032779206310425	419	-0.0665348795385961	0.946984263655433	1.0744763663414e-05	0.971710141185216
BLCA	DAXX	cg09615909	-0.192092999604212	419	-3.97305330473818	8.37569075185535e-05	0.0368997204969437	0.000825409787623303
BLCA	DAXX	cg11111423	-0.343224046163882	419	-7.4172593369403	6.88104421698112e-13	0.117802745865107	3.98588200905308e-11
BLCA	DAXX	cg12025215	0.0014827936844541	419	0.0300974577211703	0.976003902197024	2.19867711065696e-06	0.987381599702393
BLCA	DAXX	cg12832355	-0.264910174143454	419	-5.57631369962828	4.45260044361695e-08	0.0701774003647152	1.05284376568613e-06
BLCA	DAXX	cg12923297	-0.182288745837043	419	-3.76310814804159	0.000192162037269575	0.0332291868588422	0.00167834888597163
BLCA	DAXX	cg13443893	0.0398190630232717	419	0.808880223250735	0.419050895523128	0.00158555778005128	0.614438430456993
BLCA	DAXX	cg13826470	-0.119827977258117	419	-2.44989459546744	0.0147050435040809	0.0143587441337718	0.057479859027056
BLCA	DAXX	cg14539675	-0.0865681186622765	419	-1.76376217838047	0.0785131371272317	0.00749403916872598	0.200204896737769
BLCA	DAXX	cg14622330	0.025851481009161	419	0.524903180585907	0.599932826368106	0.000668299070367009	0.760092086487092
BLCA	DAXX	cg14746369	0.0338163980144337	419	0.686790714810254	0.492600988305548	0.0011435487746706	0.678050874679155
BLCA	DAXX	cg14910283	-0.274928818026878	419	-5.80410929454959	1.29277454656502e-08	0.0755858549816564	3.45483006099208e-07
BLCA	DAXX	cg16922466	-0.0615132175333802	419	-1.25095091375026	0.2116622891557	0.00378387593130895	0.397740431473671
BLCA	DAXX	cg17079757	-0.0517173745030104	419	-1.05115474785015	0.293803667576811	0.00267468682548463	0.491522970559761
BLCA	DAXX	cg17504991	-0.0159225251396105	419	-0.323232938873487	0.746682830051944	0.000253526806821527	0.857746401870335
BLCA	DAXX	cg18187593	-0.120182390149358	419	-2.4572466362225	0.0144118398362104	0.0144438069020125	0.0566211134901343
BLCA	DAXX	cg18279148	-0.290343421077841	400	-6.02259040757989	3.93785891239337e-09	0.0842993021631847	1.16170571191024e-07
BLCA	DAXX	cg18486541	0.00993413545782635	419	0.201650877519178	0.840289191496313	9.86870472944428e-05	0.914424968625297
BLCA	DAXX	cg18944910	-0.386722036917058	419	-8.51185350047071	3.22322677848408e-16	0.149553933837278	2.91567097680686e-14
BLCA	DAXX	cg18967278	-0.0532658741200463	419	-1.08271622227289	0.279567658143493	0.00283725334577262	0.476652195967715
BLCA	DAXX	cg20223162	-0.224731778560875	419	-4.68130149406991	3.87471383016998e-06	0.0505043722951343	5.67450089804675e-05
BLCA	DAXX	cg20763184	0.015691808990849	419	0.31854815674439	0.750230590529928	0.00024623286940529	0.860059300982195
BLCA	DAXX	cg21286626	0.00668001763660935	419	0.135592574576478	0.892209598235906	4.46226335625412e-05	0.94289726518997
BLCA	DAXX	cg24328964	-0.196066937741656	419	-4.05849753278287	5.91041165227946e-05	0.0384422440753905	0.00061379597393863
BLCA	DAXX	cg24496586	-0.0874310557027064	419	-1.78147864994977	0.0755708274257425	0.00764418950128974	0.194938555234373
BLCA	DAXX	cg24513883	-0.347845408276628	419	-7.53077310486087	3.21810054704291e-13	0.120996428059134	1.9635208937777e-11
BLCA	DAXX	cg24728112	-0.302550392241396	419	-6.44306695017248	3.27261489529174e-10	0.0915367398454225	1.18029579584759e-08
BLCA	DAXX	cg25642825	-0.188777277183356	419	-3.9019169791457	0.00011437890984541	0.0356368603807615	0.00105825186660784
BLCA	DAXX	cg26521092	-0.141413235523938	419	-2.89951340058219	0.00393737499504136	0.0199977031813489	0.0205132701824436
BLCA	DAXX	cg27052777	-0.299709315625728	419	-6.36881835366498	5.10603780687846e-10	0.0898256738728425	1.77250827821644e-08
BLCA	DAXX	cg27393652	-0.0212142911353717	419	-0.430700009073248	0.666911741453785	0.00045004614837631	0.806731850144699
BLCA	DIDO1	cg00080059	-0.0280332408881762	419	-0.569236358726251	0.569505945646681	0.000785862594694511	0.737713892627513
BLCA	DIDO1	cg01488865	-0.17723990767112	419	-3.65545149922556	0.000289937970176358	0.031413984871267	0.00237600700009476
BLCA	DIDO1	cg06646488	-0.137150400877566	419	-2.81040677757001	0.00518385259102329	0.0188102324608771	0.0255138952591462
BLCA	DIDO1	cg08610063	-0.018142486885701	419	-0.368312884298555	0.712829111844861	0.000329149830397834	0.836561549296933
BLCA	DIDO1	cg13815390	0.0734328258290278	419	1.494558634289	0.135795159669478	0.00539237990923633	0.294895699727197
BLCA	DIDO1	cg20969846	-0.251001823011862	419	-5.26327585030042	2.2820142391619e-07	0.063001915155278	4.55597187953415e-06
BLCA	DIDO1	cg21212389	-0.00914011371426506	419	-0.185531795938085	0.852903247407279	8.35416787096962e-05	0.921640671585758
BLCA	DIDO1	cg21687703	0.0829413425449154	419	1.68934614241255	0.0919096580091239	0.00687926630315299	0.224194780357512
BLCA	DIDO1	cg22394521	-0.156495790205005	419	-3.21614493595388	0.00140173255139341	0.0244909323518889	0.0088651145816145
BLCA	DMAP1	cg01604592	-0.113082616774986	419	-2.31014464937197	0.021373532007743	0.0127876782166784	0.0766059686252181

BLCA	DMAP1	cg11683482	-0.126843936314843	41S	-2.5956163176476	0.00977943769567956	0.0160893841798439	0.0418599645432115
BLCA	DMAP1	cg15990015	-0.0431859778279363	41S	-0.877398180443401	0.380781736001743	0.001865028680955	0.57916465033178
BLCA	DMAP1	cg18017761	-0.0515995026749937	41S	-1.04875260193226	0.294906810191601	0.00266250867630668	0.49278246395836
BLCA	DMAP1	cg18167340	-0.158332807453174	41S	-3.25486246755329	0.00122812081353304	0.0250692779160039	0.00796834283302666
BLCA	DMAP1	cg21437596	-0.0443196127035132	41S	-0.900474690604121	0.368393728541479	0.00196422807018941	0.567265527565881
BLCA	DMAP1	cg23021241	-0.155699218623402	41S	-3.19936681372516	0.00148380075808217	0.0242422466799378	0.00931897044976046
BLCA	DMAP1	cg23451311	-0.0169578261663988	41S	-0.344255779894368	0.730829577275905	0.0002875678682898	0.847864034448555
BLCA	DMAP1	cg24485408	-0.09320135681847	41S	-1.90005131864209	0.0581242889831575	0.00868649291280376	0.160858090969611
BLCA	DNMT1	cg04160663	-0.0390885085509663	41S	-0.794016895105361	0.427642683462686	0.00152791150073896	0.621964243948121
BLCA	DNMT1	cg04762346	-0.0892589031171277	41S	-1.81901854701522	0.0696343742925169	0.00796715178567279	0.183637971243502
BLCA	DNMT1	cg06128182	-0.0134819792935466	41S	-0.273679165474229	0.784468337919419	0.000181763765671619	0.881021976229305
BLCA	DNMT1	cg06716436	0.0586438564922664	41S	1.19239242643379	0.233793712734558	0.00343910190428554	0.424709230535966
BLCA	DNMT1	cg10635912	0.0142319899647842	41S	0.288907106298405	0.772797774090139	0.000202549538357719	0.874033725284649
BLCA	DNMT1	cg11380607	0.027461929102504	41S	0.5576265900696	0.577402238478196	0.000754157550030957	0.743953588064738
BLCA	DNMT1	cg13393778	-0.0500576248915748	41S	-1.01733421417144	0.309591496776584	0.00250576580978561	0.508237547485388
BLCA	DNMT1	cg15043801	0.0171355719255957	41S	0.347865197957741	0.728119079266335	0.000293627825217263	0.846278237842008
BLCA	DNMT1	cg21893394	-0.0512497557742344	41S	-1.04162526148218	0.298196288972116	0.00262653746691867	0.496391888051202
BLCA	DNMT1	cg23401624	-0.0421124485396036	41S	-0.855548323837854	0.392744929057755	0.00177345832200076	0.589613829119029
BLCA	DNMT1	cg24477899	-0.0565837877858081	41S	-1.15036851141911	0.25065937661752	0.00320172504018937	0.444303961582474
BLCA	DNMT1	cg27429799	0.0194009868572161	41S	0.393871156931067	0.693879932506782	0.000376398291033871	0.824495119435353
BLCA	DNMT3A	cg02208653	-0.0778729040277288	41S	-1.58546189835002	0.113628627294942	0.00606418918171185	0.260840550968831
BLCA	DNMT3A	cg03463641	-0.0676213225325109	41S	-1.3757118633824	0.169658279030578	0.00457264326104586	0.343235149284912
BLCA	DNMT3A	cg06112956	-0.0128471972968271	41S	-0.260791147301621	0.794383871632533	0.000165050478383603	0.887437827377082
BLCA	DNMT3A	cg07150430	0.0125321826325864	41S	0.25439550312793	0.799316946054777	0.0001570556015365	0.890414011618606
BLCA	DNMT3A	cg12066181	-0.0814697530466633	41S	-1.65917077031997	0.0978423704261095	0.0066373206614843	0.234403466522812
BLCA	DNMT3A	cg13076778	-0.130149739090576	41S	-2.66441375022174	0.00801505240900383	0.016938954585345	0.0359877055930996
BLCA	DNMT3A	cg13344237	-0.0908475067500456	41S	-1.85165994565406	0.0647899471435452	0.00825326948269959	0.17413690763456
BLCA	DNMT3A	cg15990840	-0.0891749372796139	41S	-1.81729367358236	0.0698984577245902	0.00795216943882307	0.184178316631444
BLCA	DNMT3A	cg15998962	-0.158617221151269	41S	-3.26085994457193	0.00120308352701706	0.0251594228457505	0.00783530179160862
BLCA	DNMT3A	cg21629895	-0.279890176264927	41S	-5.91766727517597	6.87678730106254e-09	0.0783385107696117	1.94535560472313e-07
BLCA	DNMT3A	cg21708767	-0.0998713923909556	41S	-2.03735391146101	0.0422531184011911	0.00997429501810823	0.127429311606988
BLCA	DNMT3A	cg22731525	-0.0390278821663964	41S	-0.7927834925633	0.428360252141683	0.00152317558639413	0.622566363841131
BLCA	DNMT3A	cg25044635	-0.130774050177361	41S	-2.67741642975883	0.00771570462007726	0.0171018521997909	0.0349583881895335
BLCA	DNMT3A	cg26470599	-0.252709197344834	41S	-5.30151146285402	1.87678151348433e-07	0.0638619384226703	3.83409509086134e-06
BLCA	DNMT3A	cg26995204	-0.089999576239846	41S	-1.83423556839607	0.0673400422378437	0.00809992372335185	0.179185253995226
BLCA	DNMT3B	cg00300969	0.282540143755972	41S	5.97853096526193	4.8834095938105e-09	0.0798289328336451	1.4159521652661e-07
BLCA	DNMT3B	cg13636640	-0.109039878520236	41S	-2.22654385053748	0.0265177615715157	0.0118896951077079	0.0900525032169763
BLCA	DNMT3B	cg14224313	0.13250755634983	41S	2.71353762987958	0.00693617538155896	0.0175582524898035	0.0321818350112124
BLCA	DNMT3B	cg16523653	-0.0292301662934857	41S	-0.593561200593212	0.55313135708639	0.000854402621544826	0.725197195516696
BLCA	DNMT3B	cg16953106	0.0228370649760459	41S	0.4636627153463	0.643134271758597	0.000521531536720141	0.790569597338879
BLCA	DNMT3B	cg17475857	0.237286327507998	41S	4.95798775755848	1.04281274716098e-06	0.056304801222233	1.7716657534973e-05
BLCA	DNMT3B	cg17721173	-0.163185869536758	41S	-3.3573150444151	0.000860174014456984	0.0266296280164678	0.00592337587684045
BLCA	DNMT3B	cg22605822	-0.111152185569875	41S	-2.27021055093452	0.0237105600887723	0.0123548083569599	0.0828596788799222
BLCA	DNMT3B	cg24403338	0.232057305622694	41S	4.84243714981128	1.81774908154466e-06	0.0538505930928642	2.90134980174523e-05
BLCA	DNMT3B	cg25803642	-0.00817045071641162	41S	-0.165847572492214	0.868358259132844	6.67562649093112e-05	0.93007300378594
BLCA	DNMT3L	cg09247319	-0.0790021358463428	41S	-1.60859597264214	0.108470685841748	0.006241337468284	0.252471906602428
BLCA	DNMT3L	cg15635600	-0.0879960859258937	41S	-1.79308115223113	0.0736933137884398	0.00774331113827727	0.191377275098741
BLCA	DNMT3L	cg27187798	-0.102381308580091	41S	-2.08909129762355	0.03731255841973	0.0104819323465719	0.116344596784995
BLCA	DPF1	cg06168449	-0.108708937309451	41S	-2.21970524504227	0.0269825345881563	0.0118176330509501	0.0912106648995906
BLCA	DPF1	cg06615189	-0.0255961201680059	41S	-0.519714772559116	0.603541494581332	0.000655161367654998	0.762552897899372
BLCA	DPF1	cg07480327	-0.0410614207613148	40S	-0.823973845905451	0.410443003012493	0.00168604027493774	0.6063146754959
BLCA	DPF1	cg08057062	-0.0837210343006812	41S	-1.70533844623716	0.0888850761048826	0.00700921158437584	0.21893128199415
BLCA	DPF1	cg13322582	-0.0186226845564395	41S	-0.378064775373345	0.705577182951869	0.000346804380088652	0.83207772629584
BLCA	DPF1	cg13917712	-0.11587255554217	41S	-2.36790600680629	0.0183500171326712	0.0134264491278733	0.068128675766187
BLCA	DPF1	cg17121541	-0.0720930794858569	41S	-1.4671473442173	0.14309888744731	0.00519741210975409	0.305839029920494
BLCA	DPF1	cg22145401	-0.0207093192270364	41S	-0.420443439142754	0.674380742299384	0.000428875902847298	0.811724790207874
BLCA	DPF1	cg27400772	-0.0161665729064492	32C	-0.28696570825533	0.774327246393932	0.000261358079539536	0.874929393396702

BLCA	DPF2	cg02186298	0.148727458718211	419	3.05279014904679	0.00241417045721485	0.0221198569767771	0.013836880317437
BLCA	DPF2	cg14699126	-0.121533234026495	419	-2.4852776889326	0.0133408712160499	0.0147703269729388	0.053359724942332
BLCA	DPF2	cg15918224	-0.159606028646319	419	-3.28171757673426	0.00111964850662763	0.0254740843802496	0.00737776858585378
BLCA	DPF2	cg15929437	-0.0823078212189399	419	-1.67635425058648	0.0944274115134566	0.00677457743380898	0.228573217103673
BLCA	DPF2	cg18224556	-0.037527963728928	419	-0.762271429956181	0.446334187522147	0.00140834806163974	0.638153238345855
BLCA	DPF2	cg19517014	-0.201885469638345	419	-4.18397922389565	3.50305221181776e-05	0.0407577428510951	0.000390312867038314
BLCA	DPF3	cg00888802	-0.00067863234888971	419	-0.0137747354148126	0.98901636652615	4.60541864959569e-07	0.994255889590719
BLCA	DPF3	cg05151458	-0.0405009151487127	419	-0.822753860713476	0.411123913656461	0.00164032412788323	0.606956650453386
BLCA	DPF3	cg07171024	-0.0192073943238612	419	-0.389939460129033	0.696782818638091	0.000368923996712296	0.826191873999401
BLCA	DPF3	cg10266394	-0.00350225997466665	419	-0.0710885494124967	0.943361775213304	1.22658249301521e-05	0.969792367964991
BLCA	DPF3	cg12913429	-0.0253391342494163	419	-0.513868684481955	0.60761995774684	0.000642071724509943	0.765543908639814
BLCA	DPF3	cg13819165	0.0382051459843103	419	0.77604634596897	0.438166874849167	0.00145963317968246	0.630913290929613
BLCA	DPF3	cg14238615	0.195052436592905	419	4.03666502682375	6.46483534451273e-05	0.0380454530208291	0.000664278696065279
BLCA	DPF3	cg14242696	0.0650513726459715	419	1.32320130538008	0.18650229544924	0.00423168108312505	0.365478350853398
BLCA	DPF3	cg15392845	-0.0379152580477113	419	-0.770149454910193	0.441652606974566	0.00143756679282454	0.63419083924578
BLCA	DPF3	cg15740492	0.0786241580001885	419	1.6008518179477	0.110176199711664	0.00618175822123861	0.25532626174057
BLCA	DPF3	cg16696021	0.0126190766992156	419	0.256159678529935	0.797955393966774	0.000159241096740686	0.889585472175973
BLCA	DPF3	cg19710444	0.0341747642797312	419	0.694077383811667	0.488024842005396	0.00116791451357519	0.67418908983259
BLCA	DPF3	cg19839347	-0.0155666268515643	419	-0.316006305524963	0.752157747467604	0.000242319871535843	0.861201855971137
BLCA	DPF3	cg20548765	0.164594431615407	419	3.38709758398013	0.000774272763740852	0.0270913269187988	0.0054186555759676
BLCA	DPF3	cg21035356	-0.0346218029925266	419	-0.703167407655514	0.482348576894195	0.00119866924245333	0.669357808536808
BLCA	DPF3	cg22784589	-0.00986649249220453	419	-0.200277673382454	0.841362243824427	9.73476740987284e-05	0.915041722299419
BLCA	DPF3	cg23515460	0.1296523628531	419	2.65405708183869	0.00826090681775302	0.016809735193392	0.0368385775282475
BLCA	DPF3	cg24383902	0.0471480150061863	419	0.958065635020077	0.338591523434931	0.0022293531902357	0.537954190305061
BLCA	DPF3	cg25495195	-0.0606294222661913	419	-1.23291099607158	0.218311988170414	0.00367592684433213	0.40597033053806
BLCA	DPF3	cg26057784	0.158920441562461	417	3.25931504101881	0.00120995001834883	0.0252557067464077	0.00787277113812556
BLCA	EED	cg00080012	0.0965368024396875	419	1.96867795634005	0.0496599968965047	0.00931935422527926	0.143556071784801
BLCA	EED	cg01739327	0.0794303864530983	419	1.6173707986627	0.106563556325453	0.00630918629208854	0.249188568617959
BLCA	EED	cg02172616	-0.22207544876724	419	-4.62307998955019	5.06700601112095e-06	0.049317504945171	7.20088073818124e-05
BLCA	EED	cg04607174	-0.346879664050373	419	-7.50700053546799	3.77592267824555e-13	0.1203255013317	2.26654420394625e-11
BLCA	EED	cg06358433	-0.0699131216996649	419	-1.42256227258816	0.155619758200531	0.00488784458579215	0.323706074211933
BLCA	EED	cg10086030	-0.269262124346971	419	-5.67502013052677	2.61818426364777e-08	0.0725020916078439	6.551271360766e-07
BLCA	EED	cg10535675	-0.187252268782678	419	-3.86454716766701	0.000129297641517122	0.0350634121642602	0.00119987841156901
BLCA	EED	cg12672785	0.0974158196836811	419	1.98677474266447	0.0476093087584409	0.00948984192464348	0.139248009833602
BLCA	EED	cg16265078	-0.198279509498172	419	-4.10616016679095	4.85293424993609e-05	0.0393147638868355	0.000516667807635867
BLCA	EED	cg18574463	0.147994991529799	419	3.03741795364675	0.00253788069598636	0.0219025175179054	0.0144205602851189
BLCA	EED	cg19325359	-0.2255204205321	417	-4.68718979358191	3.77590141239096e-06	0.0508594600769754	5.55383767206546e-05
BLCA	ELP3	cg01209934	0.0789043729028824	419	1.60659290126598	0.108909803968121	0.0062259006319712	0.253111154583213
BLCA	ELP3	cg02516513	0.067085408103434	419	1.36475954532128	0.17307350489336	0.00450045198040429	0.347961560706275
BLCA	ELP3	cg04720865	-0.326632810388307	419	-7.01466722545815	9.51351558365404e-12	0.106688992822163	4.53211531729812e-10
BLCA	ELP3	cg05621091	-0.239308163383243	419	-5.00278787608293	8.38277987513711e-07	0.0572683970618607	1.46381588688309e-05
BLCA	ELP3	cg15692687	0.0150414163176928	419	0.305341949264495	0.760259933285808	0.000226244204842154	0.866611884039389
BLCA	ELP3	cg17572663	0.0753957135209822	419	1.5347341674301	0.1256166806427	0.00568451361733802	0.279360940955358
BLCA	ELP3	cg18022570	0.00518267142884191	419	0.105198153522698	0.916269771687261	2.68600831393343e-05	0.955798304202007
BLCA	ELP3	cg18249244	-0.149477984960624	419	-3.06482045084095	0.0023216003000883	0.0223436679878885	0.0134100515106229
BLCA	ELP3	cg19781013	0.0962561080561677	419	1.96290013628114	0.0503301870093193	0.00926523833812063	0.144975958733769
BLCA	ELP3	cg22414525	-0.193884359286154	419	-4.01154417186495	7.16385689497921e-05	0.0375911447758025	0.000723397044766371
BLCA	ELP3	cg22487209	-0.0978100726529203	419	-1.99489295627408	0.0467128521394704	0.00956681031236955	0.13729709911357
BLCA	ELP3	cg25374552	0.0707255853526872	419	1.43917656436561	0.150859793844212	0.00500210842348024	0.316914744067741
BLCA	ELP4	cg04972224	-0.217464895177377	419	-4.52228188508525	8.00974468803718e-06	0.0472909806345076	0.000107692720058964
BLCA	ELP4	cg05195750	0.122618822789049	419	2.50781464349507	0.0125316435403452	0.0150353757021722	0.050867922950853
BLCA	ELP4	cg05635455	-0.361480715625702	419	-7.86938847906578	3.17422960077451e-14	0.13066830776927	2.2387671583196e-12
BLCA	ELP4	cg08111895	-0.277947037778946	419	-5.87313120577492	8.818649568697e-09	0.077254555810091	2.44054793506657e-07
BLCA	ELP4	cg08626560	-0.366557395158663	419	-7.99692494858705	1.30200131872761e-14	0.134364323945504	9.64984696320063e-13
BLCA	ELP4	cg09616795	0.216707075463865	419	4.5057447012554	8.62778842557522e-06	0.0469619565561012	0.000114797534678823
BLCA	ELP4	cg10583382	-0.213996799737045	419	-4.44667059539612	1.12308975336255e-05	0.0457946302976968	0.00014499944854572
BLCA	ELP4	cg11385473	-0.0584829268602802	419	-1.18910903471575	0.23508164066333	0.00342025273414488	0.426232721618493

BLCA	ELP4	cg13263383	-0.223798261470454	418	-4.65516841889895	4.37514435669598e-06	0.0500856618371976	6.3287463756937e-05
BLCA	ELP4	cg19328333	0.0525548900215313	418	1.0682240062936	0.286044969447819	0.00276201646517525	0.483320981998251
BLCA	ELP4	cg24001477	-0.0324732885982778	418	-0.659483578697399	0.50995373973677	0.00105451447238704	0.6923705809495
BLCA	ELP4	cg24531794	-0.154729367995351	418	-3.17894756065254	0.00158966824583694	0.0239411773202407	0.00986413428385091
BLCA	ELP4	cg25130734	-0.387523086552839	418	-8.53259668390385	2.76790550190532e-16	0.150174142611439	2.51843790193243e-14
BLCA	EP300	cg00500400	-0.0421730738360619	418	-0.856782168483211	0.392063345036666	0.00177856815678192	0.589124929764784
BLCA	EP300	cg02046995	0.0764117602955126	418	1.55553718915307	0.120585979763119	0.00583875711145888	0.271531368232374
BLCA	EP300	cg07519229	-0.27053057333737	417	-5.69693358552141	2.32815059907994e-08	0.0731867911102464	5.90339464487694e-07
BLCA	EP300	cg08131204	-0.169457340136648	418	-3.4858454809029	0.000543421523072534	0.0287157901261877	0.00402426786919607
BLCA	EP300	cg09331127	0.00101346904363089	418	0.0205711854213108	0.983597684984046	1.0271195023981e-06	0.991435472157568
BLCA	EP300	cg24349919	0.0808441362500632	418	1.6463456363335	0.100455162404772	0.00653577436601878	0.238999599489781
BLCA	EPC1	cg02900516	-0.0245303505734695	418	-0.49806160992051	0.618706368189894	0.000601738099257314	0.773688979049231
BLCA	EPC1	cg16942190	-0.0378826099174579	418	-0.769485339924908	0.442046170289477	0.00143509213415828	0.634463275108256
BLCA	EPC1	cg26211455	0.0113763740725719	418	0.230930117922277	0.817483725345097	0.000129421887039086	0.901906214650616
BLCA	EPC2	cg00066942	-0.104275690722174	418	-2.12816720777524	0.0339161814068403	0.0108734196755864	0.108200755233288
BLCA	EPC2	cg03664802	-0.0985997949536435	418	-2.01115728628856	0.0449597034870579	0.00972191956490054	0.133485809215792
BLCA	EPC2	cg04098458	-0.114122899023121	418	-2.33167553123402	0.0201990568228151	0.0130240360814415	0.0733768585792238
BLCA	EPC2	cg05586854	0.183235992608756	418	3.78334034382763	0.000177671693646913	0.0335754289873162	0.00157155107851824
BLCA	EPC2	cg10458926	-0.0447759831074893	418	-0.90976564153519	0.363478027650962	0.00200488866324217	0.562412428805993
BLCA	EPC2	cg11721798	-0.120869626610495	418	-2.47150558193786	0.0138579003934137	0.0146094666369604	0.0549498701873297
BLCA	EPC2	cg12432635	-0.0861801205982698	418	-1.75579771593842	0.0798660097909709	0.00742701318633232	0.202805697148815
BLCA	EPC2	cg16434205	0.0743328085919101	418	1.51297689397119	0.131052214672099	0.00552536643316155	0.287736396144763
BLCA	EPC2	cg21347644	-0.120526817568211	418	-2.46439244888413	0.0141318318339506	0.0145267137531208	0.0557377674756819
BLCA	EPC2	cg21650422	-0.111763465699551	418	-2.2828530333206	0.0229477102689838	0.0124910722651748	0.0807707072964133
BLCA	EZH1	cg00728999	-0.238922668617898	418	-4.99424072685714	8.74040923427555e-07	0.0570840415794979	1.51978407682439e-05
BLCA	EZH1	cg01716316	0.00997527220036185	418	0.202485986329022	0.839636764345339	9.95060554713119e-05	0.914174783354765
BLCA	EZH1	cg03623386	-0.145896829435583	418	-2.99341228177224	0.00292489780430749	0.0212858848393556	0.0161364087503225
BLCA	EZH1	cg05375741	-0.263227317534229	418	-5.53824359795165	5.45367873951003e-08	0.0692886206962661	1.26118752634198e-06
BLCA	EZH1	cg05979501	-0.158871461664443	418	-3.26622185965005	0.00118110099683289	0.0252401413313965	0.0077121513301677
BLCA	EZH1	cg06975499	-0.0623982986251289	418	-1.26902003763198	0.205150362928002	0.00389354767131077	0.389407264630611
BLCA	EZH1	cg12812489	-0.166150942912669	418	-3.42003313224693	0.000688619551806003	0.0276061358307689	0.00491923502416861
BLCA	EZH1	cg19395400	-0.0600849108913226	418	-1.22179795016257	0.222482644863727	0.00361019651681818	0.411081059932015
BLCA	EZH1	cg22227424	-0.121358191065411	418	-2.48164462554616	0.0134755740519463	0.0147278105386688	0.0537860235231927
BLCA	EZH1	cg27088844	-0.0421219570972011	418	-0.855741841158033	0.392637981161542	0.00177425926969845	0.589508351735245
BLCA	EZH2	cg01893439	-0.0541457056979443	418	-1.10065239889819	0.2716906131111751	0.0029317574455284	0.467991487642883
BLCA	EZH2	cg02303805	-0.105519626575342	418	-2.15383890390452	0.0318322317503044	0.0111343915925996	0.10312437193502
BLCA	EZH2	cg06816161	0.00787642682980662	418	0.159878963002615	0.873054772533464	6.20380996052975e-05	0.932714754243021
BLCA	EZH2	cg13751213	0.0408866923885739	418	0.830603774554298	0.406678561585909	0.00167172161447787	0.602894417983342
BLCA	EZH2	cg18494018	-0.0148684279882074	418	-0.301829491381073	0.762934342763379	0.00022107015084051	0.868122094920758
BLCA	EZH2	cg20101066	-0.0106573974596461	418	-0.216333828328101	0.82883461312881	0.00011358012061287	0.907992450483617
BLCA	FBXL19	cg00026853	-0.0512516279323894	418	-1.04166341235619	0.298178615988463	0.00262672936572008	0.496375738588116
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BLCA	FBXL19	cg03627896	-0.0207077786310905	418	-0.420412148334199	0.674403578590137	0.000428812095834248	0.811724790207874
BLCA	FBXL19	cg04477789	-0.327597960415387	418	-7.0378827432709	8.20073118630822e-12	0.107320423668321	3.96499491552307e-10
BLCA	FBXL19	cg05643349	-0.213260554148746	418	-4.43064179186902	1.2057873351602e-05	0.0454800639558304	0.000154332049936579
BLCA	FBXL19	cg05768582	-0.11479882239656	418	-2.34566938162653	0.0194663722232341	0.013178769623637	0.0713113091323355
BLCA	FBXL19	cg06862768	-0.0933989476164816	418	-1.90411491814367	0.0575915706456122	0.00872336341586627	0.159798788986152
BLCA	FBXL19	cg07697662	-0.140954968209552	418	-2.88992637643529	0.00405696425850232	0.0198683030629558	0.0209761715755636
BLCA	FBXL19	cg08535091	-0.0117246187784686	418	-0.238000128356068	0.811999312663252	0.000137466685500419	0.898725481620422
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BLCA	FBXL19	cg09011601	-0.24096299848539	418	-5.03950728003937	7.00087466469969e-07	0.0580631666390701	1.24567742100408e-05
BLCA	FBXL19	cg11940219	-0.202632578238538	418	-4.19502405291555	3.34492309725413e-05	0.0410599617635973	0.000374571681917069
BLCA	FBXL19	cg26666512	-0.14100636392711	418	-2.89100148842722	0.00404339040582295	0.0198827946679446	0.0209170123073876
BLCA	FBXL19	cg27602786	-0.103654581094723	418	-2.11535286042714	0.0349995045138968	0.0107442721819225	0.110856701850661
BLCA	FBXW9	cg02753619	-0.0481939936312096	418	-0.979369263511249	0.327972283675531	0.00232266102212507	0.527503221887493
BLCA	FBXW9	cg03160342	-0.0300187427474996	418	-0.609588649793139	0.542470358456606	0.00090112491614056	0.717032351809926

BLCA	FBXW9	cg05868316	-0.0457640000859419	419	-0.929882005550449	0.352976685738193	0.00209434370386609	0.552004589211318
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BLCA	FBXW9	cg12110584	-0.124919990395033	419	-2.55561748895441	0.010958065780527	0.0156050040002951	0.0457955892186924
BLCA	FBXW9	cg14342428	0.00245856968998029	419	0.0499036652008646	0.960223340213594	6.04456492048977e-06	0.979140587075492
BLCA	FBXW9	cg15828427	0.0631219396611352	419	1.28379555886633	0.199935023719085	0.003984379266584	0.382874977965966
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BLCA	FKBP1A	cg04613791	0.194134048843499	419	4.01691254082009	7.00869935434216e-05	0.0376880289203699	0.000710652211107175
BLCA	FKBP1A	cg07516946	0.0987311505309276	419	2.01386292559872	0.0446735307183777	0.00974784008516069	0.132879584335301
BLCA	FKBP1A	cg10996143	-0.0428090352272756	419	-0.869725814142241	0.384956670866044	0.00183261349709012	0.583063729086737
BLCA	FKBP1A	cg21332426	-0.089703221066247	419	-1.82814662778075	0.0682504910243904	0.00804666786965997	0.181031698958417
BLCA	FKBP1A	cg21775445	0.0344842151589493	419	0.700369670766432	0.484091777274636	0.00118916109512871	0.670800942649811
BLCA	FKBP1A	cg24641773	-0.101243481858969	419	-2.06563212210401	0.0394880070768286	0.0102502426189274	0.121343420071686
BLCA	FKBP1A	cg26779912	0.0134271388896202	419	0.272565724520582	0.785323616449374	0.000180288058761151	0.881452393854603
BLCA	FKBP2	cg03764062	-0.079097781732114	419	-1.61055571268167	0.108042428820202	0.00625645907494114	0.251761351134906
BLCA	FKBP2	cg04446112	-0.0906477504378472	419	-1.8475547293771	0.065383437870042	0.00821701465944222	0.1753460826552
BLCA	FKBP2	cg06615912	-0.118013177535937	419	-2.41226270573065	0.0162899715939571	0.0139271100721285	0.0621603006906508
BLCA	FKBP2	cg09854726	-0.0559387433539366	419	-1.13721312648981	0.256110151360805	0.00312914300801759	0.450378252067509
BLCA	FKBP2	cg10998122	-0.0924261138019083	419	-1.88411006071863	0.0602539462513856	0.0085425865125233	0.165162410712458
BLCA	FKBP2	cg12423493	0.0848545178308567	419	1.72859302809415	0.0846311364944752	0.00720028919630717	0.211382048201218
BLCA	FKBP2	cg15010817	-0.077644661268293	419	-1.5807867384178	0.11469417513666	0.00602869342346796	0.26243473809763
BLCA	FKBP2	cg16977872	-0.0556309342924454	419	-1.13093600653789	0.258739915774676	0.00309480085025037	0.453403906108374
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BLCA	FKBP2	cg21809711	-0.0900348466271791	419	-1.8349602696898	0.067232352382079	0.00810627360717967	0.178984108589811
BLCA	FKBP2	cg22074794	-0.0572051505519291	419	-1.16304228603028	0.245485521282243	0.00327242924966887	0.438383505328622
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BLCA	FKBP5	cg00130530	-0.129620498906774	419	-2.65339366104689	0.00827688401520122	0.0168014737368411	0.0368855387935682
BLCA	FKBP5	cg00140191	-0.105115771177934	419	-2.14550323312812	0.0324964783180088	0.0110493253503318	0.10474977352578
BLCA	FKBP5	cg00610228	-1.56333918353228e-05	419	-0.0003173231971013	0.99974696631081	2.44402940276739e-10	0.99985346304832
BLCA	FKBP5	cg01294490	-0.111855563209461	419	-2.28475801911869	0.0228346379279071	0.0125116670209057	0.0804856065861813
BLCA	FKBP5	cg07485685	-0.125566205754585	419	-2.569049013369	0.0105488658718025	0.0157668720276028	0.0444260757704095
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BLCA	FKBP5	cg08636224	0.155592430533329	419	3.19711803194933	0.00149513200680253	0.0242090044392687	0.00937699930161204
BLCA	FKBP5	cg08915438	0.345852984483471	419	7.48175775754485	4.47265435587509e-13	0.119614286876124	2.65607383939654e-11
BLCA	FKBP5	cg10913456	-0.110357918645487	419	-2.25378743469012	0.0247344426712883	0.0121788702077638	0.0854968112134633
BLCA	FKBP5	cg16012111	-0.104075037808992	419	-2.12402718721868	0.0342629884422991	0.010831613494943	0.109029939169641
BLCA	FKBP5	cg17030679	0.0158148801674021	419	0.321047159000745	0.748337444241355	0.000250110434709289	0.858873493513203
BLCA	FKBP5	cg20813374	-0.219375099962641	419	-4.56400465288413	6.63348224613925e-06	0.0481254344836185	9.11638461316292e-05
BLCA	FKBP5	cg25114611	-0.233003885989664	419	-4.86332135718399	1.64536809969926e-06	0.0542908108862845	2.65725069437418e-05
BLCA	FMR1	cg02921434	-0.0400677901351962	419	-0.813940938819868	0.416148953459258	0.00160542780631812	0.611728424575971
BLCA	FMR1	cg03513471	-0.041063657648972	419	-0.834204842337879	0.404648970287701	0.00168622397951197	0.601093412155078
BLCA	FMR1	cg04552106	-0.0426670178898379	419	-0.866835261074814	0.386536828239305	0.00182047441561174	0.584501147145522
BLCA	FMR1	cg04744025	-0.084390634783141	419	-1.71907517786687	0.0863518095593514	0.00712177923910149	0.214518686663266
BLCA	FMR1	cg05288927	-0.0377844596309681	419	-0.767488821573737	0.443230545822951	0.00142766538960426	0.635401767934566
BLCA	FMR1	cg07147350	-0.117081121630996	419	-2.39294504327355	0.0171606501394511	0.0137079890423721	0.0647427554291202
BLCA	FMR1	cg08434396	-0.0638868593800593	419	-1.29941613143775	0.194527786010125	0.00408153080144747	0.375921587963152
BLCA	FMR1	cg14470409	-0.0522581998030979	419	-1.06217695779042	0.28877756251728	0.0027309194466605	0.48630101520628
BLCA	FMR1	cg16783314	-0.0217219166266112	419	-0.4410108087713	0.659436499010122	0.000471841661933449	0.801767207740802
BLCA	FMR1	cg22625568	-0.182476172112795	419	-3.75795591862227	0.000196152425446706	0.0332975533889384	0.00170821468545853
BLCA	FXR2	cg01807919	0.0357300942238656	419	0.725705083652509	0.468431602625539	0.00127663963324631	0.657426810294988
BLCA	FXR2	cg01933235	-0.157910884547371	419	-3.24596684224743	0.00126614739964694	0.0249358474585333	0.00816781280916286
BLCA	FXR2	cg05529097	-0.295984137145717	419	-6.28964275986052	8.1313868929589e-10	0.0876066094418943	2.73959771308291e-08
BLCA	FXR2	cg05913233	-0.324207161155369	419	-6.95643053345875	1.37851370637752e-11	0.105110283344424	6.38333900440077e-10
BLCA	FXR2	cg09625173	-0.287420891894279	419	-6.09102135134098	2.57513620564886e-09	0.0826107690973027	7.8839097198838e-08
BLCA	FXR2	cg17777561	-0.309306386400269	419	-6.60197889856104	1.25238321776878e-10	0.0956704406679926	4.91315683525491e-09
BLCA	FXR2	cg19178740	-0.113853961058862	419	-2.32610853900215	0.0204971792699285	0.0129627244487929	0.0742103394668785

BLCA	FXR2	cg22521096	-0.132194640104261	419	-2.70701550613862	0.00707144770069712	0.017475422872295	0.0326575365050776
BLCA	FXR2	cg26904212	0.0170359876631617	419	0.345842972754079	0.729637254504347	0.000290224875659397	0.847121865187839
BLCA	G2E3	cg02259031	0.138659221891607	419	2.84192739658192	0.00470696216679653	0.0192263798155859	0.0236347650425205
BLCA	G2E3	cg05076167	-0.237076807678984	419	-4.95334910533663	1.06655682617472e-06	0.0562054127392582	1.80923946217698e-05
BLCA	G2E3	cg07906495	0.12785318581867	419	2.61661048609496	0.00920734344307628	0.0163464371239833	0.0400109527321347
BLCA	G2E3	cg08810065	0.0315629029328561	419	0.64097631394626	0.521894443487451	0.000996216841548899	0.701758816639232
BLCA	G2E3	cg09837748	-0.229916435153839	419	-4.79525708064839	2.27365607329387e-06	0.0528615671538497	3.53612156269139e-05
BLCA	G2E3	cg18580322	-0.0824077217529382	419	-1.67840281711336	0.0940267659090618	0.00679103260450968	0.227872841966653
BLCA	G2E3	cg18755078	0.0692180771747695	419	1.40835137584767	0.159781204382258	0.00479114220777234	0.32947502852729
BLCA	G2E3	cg18956956	-0.278905885437303	419	-5.89509785283858	7.80199705855124e-09	0.0777884929315658	2.18248313258876e-07
BLCA	G2E3	cg19554565	0.0548691514666955	419	1.11540243118823	0.265328173233419	0.00301062378267517	0.461014026417169
BLCA	G2E3	cg21061067	-0.16510392842779	419	-3.39787558401142	0.000745206963914523	0.0272593071822889	0.00525447571383725
BLCA	G2E3	cg22926526	-0.054262341841986	419	-1.10303032615499	0.270657862915416	0.00294440174217655	0.46684310646184
BLCA	GADD45	cg01810953	0.026471473134974	419	0.537500577612267	0.591212073582322	0.000700738889935651	0.753967181722647
BLCA	GADD45	cg02639608	-0.0930470919369208	419	-1.89687890579767	0.0585430278243531	0.0086577613179178	0.161757993484913
BLCA	GADD45	cg04718306	-0.0628563380321481	419	-1.27837218969389	0.201837914565873	0.00395091923081167	0.385240808890634
BLCA	GADD45	cg07000785	0.00619245925825916	419	0.125695605086259	0.900034193048967	3.83465516651995e-05	0.947318531937754
BLCA	GADD45	cg22224769	-0.0306235917920521	419	-0.621882695416905	0.53436297600336	0.000937804374246239	0.711124986831438
BLCA	GADD45	cg23369529	-0.252320139341004	419	-5.29279410787934	1.96252441275123e-07	0.0636654527170637	3.99128408049181e-06
BLCA	GADD45	cg23723105	-0.171212828732937	419	-3.52732511210627	0.000467001285835618	0.0293138327227341	0.00354196139517364
BLCA	GATAD2A	cg02887458	-0.0274749990236069	419	-0.557892181026118	0.577221021924153	0.000754875571347198	0.743836988830431
BLCA	GATAD2A	cg08505228	-0.00017782375539267	419	-0.0036094280794228	0.997121846311232	3.16212879819538e-08	0.998528025129523
BLCA	GATAD2A	cg08870822	0.0297794178171815	419	0.604724363002633	0.545695049218043	0.000886813725530268	0.719522045065566
BLCA	GATAD2A	cg09334331	-0.123507073400242	419	-2.52626162833238	0.0119020525959702	0.0152539971798927	0.0488399767723865
BLCA	GATAD2A	cg11795262	0.0756622368031703	419	1.54019062316895	0.124281555849773	0.00572477407805902	0.277335284433363
BLCA	GATAD2A	cg14948912	0.0271487261065388	419	0.551262147019446	0.581752811283828	0.00073705332920786	0.74709970833204
BLCA	GATAD2A	cg15264323	0.150672228560719	419	3.09362979388199	0.00211192278345091	0.0227021204594535	0.0124146079050764
BLCA	GATAD2A	cg22191731	0.000865118647454917	419	0.0175599972591364	0.985998369767145	7.48430274174224e-07	0.992714095280661
BLCA	GATAD2A	cg26631329	-0.0831915486817344	419	-1.69447779348448	0.0909302082540616	0.00692083377206538	0.222447315123159
BLCA	GATAD2E	cg02134200	0.281163741832585	419	5.94689972252211	5.83625628299386e-09	0.0790530497213004	1.67105528626877e-07
BLCA	GATAD2E	cg02940454	0.118089422089593	419	2.41384322520621	0.016220489880025	0.013945111609454	0.0619559478434068
BLCA	GATAD2E	cg09805553	0.102694547297145	419	2.0955509565408	0.0367318211836063	0.0105461700445655	0.114958172633764
BLCA	GATAD2E	cg10226922	0.0183864012162658	419	0.373266282918623	0.709142244694101	0.000338059749685501	0.834292720111722
BLCA	GATAD2E	cg10489353	0.160587003370395	419	3.30242000212649	0.0010421714967863	0.0257881856514834	0.00694786951932411
BLCA	GATAD2E	cg15064304	-0.00265354872893024	419	-0.0538613462530469	0.957071740086499	7.04132085680731e-06	0.977413048221714
BLCA	GATAD2E	cg20773694	0.0234869975860983	419	0.476865530351311	0.633710707003357	0.000551639055609387	0.784264886105937
BLCA	GATAD2E	cg23046518	0.112458169232282	419	2.29722406340739	0.0221066250443402	0.0126468398270765	0.0785244762629652
BLCA	GATAD2E	cg23323627	0.177374340486616	419	3.65831411223543	0.000286820721928695	0.0314616566630619	0.00235378121558521
BLCA	GATAD2E	cg26398333	0.235181019367838	419	4.91141059868799	1.306303908952e-06	0.0553101118708955	2.16771771102841e-05
BLCA	GLYR1	cg00636946	-0.140346794756087	419	-2.87720621785539	0.00422074392647176	0.0196972227983072	0.0216717413382578
BLCA	GLYR1	cg00885266	0.0110728199365849	419	0.224767477206163	0.822271601014889	0.000122607341348031	0.904546729411957
BLCA	GLYR1	cg01261535	-0.116888652533599	419	-2.38895675566461	0.0173454286107345	0.0136629570911203	0.0652576334171898
BLCA	GLYR1	cg01565912	0.118718138232495	419	2.42687791572816	0.0156573647796209	0.0140939963453898	0.060317779429822
BLCA	GLYR1	cg02454264	0.00651481738810348	419	0.132239156809314	0.89485968703247	4.24428456003355e-05	0.944171576311239
BLCA	GLYR1	cg06399529	-0.0346889673086457	419	-0.704533154023399	0.481498859771344	0.00120332445294029	0.668744595748267
BLCA	GLYR1	cg06976003	-0.224900936299728	419	-4.68501280307033	3.80865740488779e-06	0.0505804311484941	5.59182101405711e-05
BLCA	GLYR1	cg11289281	0.173825037649717	419	3.58280557311651	0.00038056237427308	0.0302151437139256	0.00298141685238671
BLCA	GLYR1	cg15663121	0.260217975413896	419	5.47030044039528	7.81031413241279e-08	0.0677133947285071	1.74096154044963e-06
BLCA	GLYR1	cg18354686	0.0379325663613688	419	0.770501534587703	0.441444041606826	0.00143887959075965	0.634037043904103
BLCA	GTF2B	cg02705666	-0.119034913051429	419	-2.43344648621115	0.0153801854060721	0.0141693105251613	0.0595414851196801
BLCA	GTF2B	cg04270788	0.11594578155965	419	2.36942279669344	0.01827596016703	0.013443424261478	0.0679227997914167
BLCA	GTF2B	cg05306856	-0.0893328670200466	419	-1.82053798747032	0.0694024248929316	0.00798036113002133	0.183222646101388
BLCA	GTF2B	cg06356032	-0.0302679146059343	419	-0.614653187221056	0.539123076687265	0.00091614665459213	0.714599428822647
BLCA	GTF2B	cg07167781	0.0181997490604659	419	0.369475755408221	0.711962965636061	0.000331230865863929	0.836059700042141
BLCA	GTF2B	cg10430205	-0.250160254938775	419	-5.24444876289382	2.51154872854377e-07	0.0625801531510329	4.96779612988391e-06
BLCA	GTF2B	cg12074130	-0.119262577745168	419	-2.43816775484969	0.0151836446772722	0.0142235624504221	0.0589419388235385
BLCA	GTF2B	cg13868361	-0.250748677587547	419	-5.25761128644566	2.34884530764413e-07	0.0628748993119038	4.66852508591895e-06

BLCA	GTF2B	cg14010405	-0.233324695899342	419	-4.87040263262771	1.59058316892303e-06	0.0544404137165203	2.57894595754893e-05
BLCA	GTF2B	cg17811845	-0.272529589500085	419	-5.74937529708385	1.7463932599053e-08	0.0742723771530848	4.54557788153879e-07
BLCA	GTF2B	cg22607980	0.00382531325170349	419	0.0776459468875804	0.938147386175526	1.46330214736583e-05	0.966895480453875
BLCA	GTF2H1	cg05849260	-0.324813932139064	419	-6.97098386615553	1.25676561925792e-11	0.10550409051164	5.8720014765496e-10
BLCA	GTF2H1	cg07583091	-0.376441989854693	419	-8.24763211046814	2.19359262142475e-15	0.141708571725761	1.78502452291963e-13
BLCA	GTF2H1	cg08690812	-0.42219711764475	419	-9.45353253077869	2.51385540711016e-19	0.178250406147535	3.14916050790222e-17
BLCA	GTF2H1	cg10797557	-0.0427361155520044	419	-0.868241635307453	0.385767520316039	0.00182637557247428	0.583825817081997
BLCA	GTF2H1	cg11063328	-0.0884636180174068	419	-1.80268291652269	0.0721686607668896	0.00782581171272967	0.18845586907789
BLCA	GTF2H1	cg11176342	-0.0401881802561361	419	-0.816390505649299	0.414748596374074	0.00161508983229968	0.610315747480889
BLCA	GTF2H1	cg11347316	0.0475899140565695	419	0.967065480367123	0.334078624400222	0.00226479991991167	0.533661447773939
BLCA	GTF2H1	cg11662851	-0.0125594255620165	419	-0.254948604781223	0.79889000815625	0.000157739170447833	0.890155107486713
BLCA	GTF2H1	cg13777411	0.125233981192923	419	2.56214334383817	0.0107575157010802	0.0156835500454294	0.0451386287189771
BLCA	GTF2H1	cg14132868	0.046581102167796	419	0.946520547108455	0.344437942205543	0.00216979907916665	0.543667679989003
BLCA	GTF2H1	cg17174493	0.0931380063078798	419	1.89874851695316	0.0582959475067248	0.00867468821900666	0.161224179328741
BLCA	GTF2H1	cg18321761	0.0784563190621292	419	1.59741329251289	0.110940259513357	0.00615539400077862	0.256455191174104
BLCA	H2AFZ	cg02758870	-0.055800217370974	419	-1.13438813958357	0.257291348836863	0.00311366425864795	0.451740615496409
BLCA	H2AFZ	cg09308803	-0.0395663983031605	419	-0.803739545496438	0.422010887081104	0.00156549987468434	0.617126864724001
BLCA	H2AFZ	cg16267491	-0.0739498091375724	419	-1.50513831060274	0.133054751928235	0.00546857427148339	0.290770868349489
BLCA	H2AFZ	cg17709884	-0.0255821863155089	419	-0.519431668221379	0.603738682246471	0.000654448256681412	0.762702940024065
BLCA	H2AFZ	cg20934652	-0.0205657078603951	419	-0.417526583494831	0.676510779060603	0.000422948339799118	0.813108992603176
BLCA	H2AFZ	cg23752380	0.124742993406861	419	2.55193920067329	0.0110725690127097	0.0155608144041041	0.0461717106440147
BLCA	H2AFZ	cg24061702	-0.0715867471602729	419	-1.45678984149471	0.145936086477081	0.00512466236898884	0.3099467473772
BLCA	H3F3A	cg06319713	-0.260134171210468	419	-5.46841081808632	7.8883170784165e-08	0.0676697870313569	1.75533106063596e-06
BLCA	H3F3A	cg10632229	0.050693099153291	419	1.03028218896866	0.303481995808717	0.00256979030176539	0.501968370759751
BLCA	H3F3A	cg10983539	-0.0186109741095644	419	-0.377826955635419	0.705753720280788	0.000346368357306877	0.832223434981621
BLCA	H3F3A	cg11978873	0.0736988088741461	419	1.50000162630143	0.134379870660877	0.00543151442946792	0.292696484998104
BLCA	H3F3A	cg15538837	-0.001545046149461	419	-0.0313610490999484	0.974996790565185	2.38716760396425e-06	0.986832077714679
BLCA	H3F3A	cg15624314	0.16978032266738	419	3.49693287187106	0.000521829644091002	0.0288253579650396	0.00388694133784139
BLCA	H3F3A	cg16724613	-0.0859020565701765	419	-1.75009037219689	0.0808471281301696	0.0073791633229858	0.204487482061268
BLCA	H3F3A	cg16727519	-0.041792152963938	419	-0.849029832421531	0.396357736075479	0.00174658404936119	0.592995447359652
BLCA	H3F3A	cg18947521	0.0456249528782453	419	0.927050792811804	0.354442905130212	0.0020816363251421	0.553451985341516
BLCA	H3F3A	cg19410789	0.00213492756369586	419	0.0433343954439248	0.965455967126812	4.55791570222834e-06	0.98181926373398
BLCA	H3F3A	cg21266749	-0.0192140878031768	419	-0.390075398166048	0.69668237692393	0.000369181170108189	0.826159398043051
BLCA	H3F3A	cg21789564	-0.0477245579802348	419	-0.969807790782097	0.332711288991736	0.0022776334344088	0.532362726451704
BLCA	H3F3A	cg22519151	-0.0712127571657659	419	-1.44914025263048	0.148059112462427	0.00507125678315034	0.313000641183239
BLCA	H3F3A	cg27530209	-0.0878811877094015	419	-1.79072165643601	0.0740719941059271	0.00772310315321506	0.192104170871999
BLCA	H3F3A	cg27560444	-0.216780284722115	419	-4.49090169658817	9.23847782891621e-06	0.0469936918442012	0.000122144484062323
BLCA	HAT1	cg00414306	-0.155707082713411	419	-3.19953242308745	0.00148296942679818	0.024244695607121	0.0093149877745933
BLCA	HAT1	cg01583365	0.0917065928955427	419	1.86931770476585	0.0622878076542386	0.00841009918050881	0.169189507042154
BLCA	HAT1	cg04507121	0.149502460464448	419	3.06533375604015	0.00231770915363344	0.0223509856849239	0.0133945372481806
BLCA	HAT1	cg04950839	-0.134097284409307	419	-2.74668518489668	0.00628407150382748	0.0179820816859505	0.0297524836326916
BLCA	HAT1	cg05421799	0.113293983585875	419	2.31451871539829	0.0211302146534729	0.0128355267167565	0.0759613640828222
BLCA	HAT1	cg09545452	-0.109478886525708	419	-2.23561671677706	0.0259118649096429	0.0119856265949089	0.0885049007192114
BLCA	HAT1	cg10190161	-0.133866122791808	419	-2.74186387925972	0.0063753423393592	0.0179201388313114	0.0300802633398902
BLCA	HAT1	cg12941622	-0.00722749549320471	419	-0.146705967862658	0.883435865996267	5.22366911042944e-05	0.938175001833507
BLCA	HAT1	cg13293756	-0.108551639826954	419	-2.21645509460913	0.027205888301538	0.0117834585091207	0.0917763702584383
BLCA	HAT1	cg14446129	-0.0592669578373987	419	-1.20510623021669	0.228854023708739	0.00351257229129999	0.418816484048028
BLCA	HAT1	cg16017358	0.0577252276328237	419	1.17365120470621	0.241212778891836	0.00333220190526131	0.433409712701207
BLCA	HDAC1	cg03762702	-0.0948382203827003	419	-1.93372149637067	0.053832010713133	0.00899428804535763	0.152278369565378
BLCA	HDAC1	cg04967775	-0.169529716227127	419	-3.49161832417216	0.000532014975735613	0.0287403246840501	0.00395070380129594
BLCA	HDAC1	cg06473843	-0.0727996430344657	419	-1.48160267201006	0.139210438249994	0.00529978802594563	0.300075833561098
BLCA	HDAC1	cg10842753	-0.158022510786286	419	-3.24832014007725	0.00125598288707447	0.0249711139152018	0.0081179738050076
BLCA	HDAC1	cg14172124	-0.117899185363085	419	-2.40989977371162	0.0163943387428774	0.013900217909279	0.0624696898591009
BLCA	HDAC1	cg20002354	-0.247727645003648	419	-5.19009888238648	3.30687910139216e-07	0.0613689860990536	6.35355279856019e-06
BLCA	HDAC1	cg20793809	0.0608454669424575	419	1.23732060236764	0.216672813453694	0.00370217084744569	0.403984393869635
BLCA	HDAC1	cg21930229	-0.0509986813575332	419	-1.0365089618953	0.300572722125978	0.0026008655002072	0.498879584336311
BLCA	HDAC1	cg23018091	-0.231458208630006	419	-4.8292269149351	1.93564534216359e-06	0.0535729023422115	3.07058714821114e-05

BLCA	HDAC1	cg26115470	-0.0501009937606185	419	-1.01821782805731	0.309171988817687	0.00251010957580153	0.507795327733204
BLCA	HDAC10	cg00711351	-0.140158030768679	419	-2.87325882996461	0.0042727793588031	0.0196442735889538	0.0218998944155177
BLCA	HDAC10	cg01120165	-0.0506807029998771	419	-1.0300296017543	0.303600404700945	0.00256853365656175	0.502066009108143
BLCA	HDAC10	cg04321608	-0.122094549082928	419	-2.49692952198681	0.012916880604038	0.0149070789157634	0.0520731621345563
BLCA	HDAC10	cg04586023	-0.195391401618554	419	-4.043958199115	6.27435306044807e-05	0.0381777998264629	0.000647337930953053
BLCA	HDAC10	cg07482373	-0.148610971967974	419	-3.05034511360822	0.00243346938260483	0.022085220989266	0.0139228739538398
BLCA	HDAC10	cg07744063	-0.0372412301465561	419	-0.756439151237961	0.449818257295066	0.00138690922282876	0.640924736781158
BLCA	HDAC10	cg09151829	-0.045310199846373	419	-0.920642141312878	0.357776032541592	0.00205301421011826	0.556812481005494
BLCA	HDAC10	cg10508940	-0.0523058385209827	419	-1.06314789639252	0.288337620394344	0.00273590074338312	0.485882934886285
BLCA	HDAC10	cg11645658	-0.125625901009915	419	-2.57028994088934	0.0105117574382422	0.0157818670045531	0.044303372962976
BLCA	HDAC10	cg12464820	-0.158862963666448	419	-3.2660426266907	0.00118182975011703	0.0252374412248871	0.00771561460058781
BLCA	HDAC10	cg26943378	-0.0589444155119253	419	-1.19852487834173	0.231401684649389	0.0034744441200425	0.421890896332574
BLCA	HDAC11	cg01409735	0.0695829735294131	419	1.41581179702095	0.157586121907523	0.00484179020519501	0.326321730400177
BLCA	HDAC11	cg01712016	0.0106343404449667	419	0.215865742471301	0.829199230560304	0.000113089196699455	0.908212836738775
BLCA	HDAC11	cg02762546	-0.0947877927421774	419	-1.93268396824973	0.0539601952847017	0.00898472565293399	0.152535589824785
BLCA	HDAC11	cg02941903	-0.0172715401740432	419	-0.350626277656425	0.726047941501832	0.000298306099983587	0.844820640489306
BLCA	HDAC11	cg05987698	0.0170093499795336	419	0.345302051730646	0.730043528862941	0.000289317986726259	0.847382300159085
BLCA	HDAC11	cg07450135	-0.0377887875165	419	-0.767576856536654	0.443178283352825	0.00142799246196718	0.635401767934566
BLCA	HDAC11	cg08051076	-0.0133283191704726	419	-0.270559364715823	0.786865437835735	0.000177644091909987	0.88256504062943
BLCA	HDAC11	cg08448040	0.0429565761595945	419	0.872728847763665	0.383319229187642	0.00184526743535504	0.581591405133762
BLCA	HDAC11	cg10455785	-0.0721390411533126	419	-1.46808758956873	0.142843446715192	0.00520404125851934	0.30546932469519
BLCA	HDAC11	cg11432034	0.0686537507803273	419	1.3968146619175	0.163221238054495	0.00471333749620729	0.334133992735839
BLCA	HDAC11	cg13397067	-0.0194877428424317	419	-0.395633110259182	0.692580489375985	0.000379772121092748	0.823520289444961
BLCA	HDAC11	cg13706066	0.0634324891156135	419	1.29013707346396	0.197726700327469	0.00402368067540243	0.380139158888768
BLCA	HDAC11	cg16254764	0.0524145520741001	419	1.06536364628893	0.287335340851918	0.00274728526912855	0.484827361592758
BLCA	HDAC11	cg18521047	0.0314856033060283	419	0.639404961100638	0.522914870744972	0.000991343215544582	0.702550942724217
BLCA	HDAC11	cg19779799	-0.0154548210696024	419	-0.313736076789571	0.753880280625003	0.000238851494293426	0.862501430114082
BLCA	HDAC11	cg20894727	0.00128262720456017	419	0.0260345102501559	0.979242417697374	1.64513254587783e-06	0.989314363813271
BLCA	HDAC11	cg20922324	-0.0571554343016348	419	-1.16202818690479	0.245896722284549	0.00326674367020849	0.438906241129869
BLCA	HDAC11	cg21655280	0.0078392932483792	419	0.159125163804815	0.873648236744097	6.14545186340837e-05	0.933118113697488
BLCA	HDAC11	cg25127083	0.0100646527427805	419	0.204300486452809	0.838219571326899	0.00010129723483276	0.913422043274069
BLCA	HDAC11	cg25150878	0.00602639982188681	419	0.122324777925353	0.902701453144277	3.63174948132373e-05	0.94855468417086
BLCA	HDAC11	cg27025856	-0.00262111528938967	419	-0.0532030124624308	0.957595942343849	6.87024536027229e-06	0.977640372428737
BLCA	HDAC2	cg00161229	-0.0228611536703487	419	-0.464152045594787	0.642783967734883	0.000522632347139299	0.790228325212499
BLCA	HDAC2	cg01129566	-0.0187434749290038	419	-0.380517836441192	0.703757166854022	0.000351317852414194	0.830776037166682
BLCA	HDAC2	cg08198132	-0.0916460319868909	419	-1.86807279119717	0.0624615459736302	0.00839899517894223	0.16953817059672
BLCA	HDAC2	cg10999867	0.0246338267863141	419	0.50016385287506	0.617226748315926	0.000606825422138127	0.772637823058546
BLCA	HDAC2	cg13393754	-0.022284400272674	419	-0.45243627655337	0.651192847051777	0.000496594495512753	0.79606041050876
BLCA	HDAC2	cg15005908	0.00302225566363357	419	0.0613453701902498	0.951113905840632	9.13402929636516e-06	0.974102246315845
BLCA	HDAC2	cg15242771	-0.0351129363061372	419	-0.713154532432184	0.476153872501462	0.00123291829603885	0.663952578551331
BLCA	HDAC2	cg18387216	-0.0625903062169539	419	-1.27294030982723	0.203757041039061	0.00391754643233206	0.387651842718503
BLCA	HDAC2	cg18674783	0.150856756741474	419	3.09750673686838	0.00208511984149905	0.0227577610545562	0.0122991217067767
BLCA	HDAC2	cg22867643	-0.131972215398094	419	-2.70238000154659	0.00716903096749654	0.0174166656370808	0.0330238983352336
BLCA	HDAC2	cg24023618	0.131887689783236	419	2.70061853069103	0.00720642911693444	0.0173943627163591	0.0331647507526501
BLCA	HDAC3	cg01947930	-0.0859605079093793	419	-1.75129006841206	0.0806400836469739	0.00738920892003846	0.204143009021565
BLCA	HDAC3	cg01961137	-0.205952077234718	419	-4.27195237776471	2.40864420278776e-05	0.0424162581172953	0.000281517528713448
BLCA	HDAC3	cg04284814	-0.0746891954016351	419	-1.52027141946837	0.129209814356283	0.00557847590974363	0.284942617001716
BLCA	HDAC3	cg08520975	-0.0923233923755123	419	-1.88199806848487	0.0605409066138476	0.0085236087797228	0.165707152899551
BLCA	HDAC3	cg10414058	0.158338814305574	419	3.25488369774373	0.00122803133962674	0.025069596752552	0.00796834283302666
BLCA	HDAC3	cg11064797	0.0793769358661411	419	1.61627570816006	0.106800131594045	0.00630069794749748	0.249582392442463
BLCA	HDAC3	cg11153694	0.041935617795802	419	0.851949522616527	0.394737044475463	0.00175859603991558	0.59142894414553
BLCA	HDAC3	cg12082871	0.0166757983715089	419	0.338528811567348	0.73513717085776	0.000278082251327218	0.85064221363309
BLCA	HDAC3	cg14098966	-0.155691558698122	419	-3.19920550445406	0.00148461091794041	0.0242398614498506	0.00932304018003358
BLCA	HDAC3	cg17940889	-0.0919474632550196	419	-1.87426933665803	0.0616007322575164	0.00845433599903318	0.167864507874843
BLCA	HDAC3	cg18671773	-0.151922435723669	419	-3.11990318248289	0.00193631767546694	0.0230804264762124	0.0115827679542695
BLCA	HDAC3	cg19549288	0.104167372066065	419	2.12593226387655	0.0341030253303392	0.01085084140315	0.108640898957756
BLCA	HDAC3	cg20642138	-0.158763933167598	419	-3.26395400971208	0.00119035277115982	0.0252059864748455	0.00776474119399689

BLCA	HDAC3	cg23421926	-0.109767836633773	419	-2.24158909704437	0.0255196113826514	0.0120489779592588	0.0875186319829829
BLCA	HDAC3	cg24385322	0.0158393393283111	419	0.321543812348331	0.747961380015619	0.000250884670357382	0.858593885154716
BLCA	HDAC6	cg07153944	-0.0913539317502668	418	-1.86206855854492	0.0633051460398515	0.00834554084623241	0.171182888909041
BLCA	HDAC6	cg07674520	-0.172744215026962	410	-3.52946978112367	0.000464183279422671	0.0298405638252813	0.00352333632934016
BLCA	HDAC6	cg10783042	-0.0265216825993445	418	-0.538520792634327	0.590508380413722	0.000703399647900375	0.753440306800037
BLCA	HDAC6	cg12510923	-0.125241931162777	417	-2.5591970958871	0.0108485221140179	0.0156855413213817	0.0454371664336119
BLCA	HDAC6	cg13178935	-0.0706982689804583	418	-1.43861791781102	0.151018014768284	0.00499824523683324	0.317152915284503
BLCA	HDAC6	cg17152375	-0.0983723995094699	418	-2.00647368539273	0.045458750772872	0.00967712898525075	0.134592504571829
BLCA	HDAC6	cg24616736	-0.0690837806740411	418	-1.40560578464414	0.160594856701538	0.00477256875221902	0.330502354090268
BLCA	HDAC6	cg26680189	-0.0384349643348232	418	-0.780721442811896	0.435414680856823	0.00147724648341913	0.628668331153967
BLCA	HDAC9	cg00332048	-0.16756787490953	419	-3.45003805437238	0.000618362926798523	0.0280789927016959	0.00448949374963736
BLCA	HDAC9	cg02301805	-0.123774323774244	419	-2.53181302731589	0.0117181757876114	0.0153200832257714	0.0482559825960215
BLCA	HDAC9	cg03260621	-0.0697375393975143	419	-1.41897211699405	0.156663204437451	0.00486332440121986	0.325166071172625
BLCA	HDAC9	cg07513622	-0.0906640649292114	419	-1.84789000203525	0.0653347994033776	0.00821997266948826	0.175251892448326
BLCA	HDAC9	cg08146609	-0.0579160391707393	419	-1.17754376015184	0.239658307992875	0.00335426759322661	0.431591679038705
BLCA	HDAC9	cg08285151	-0.0936085028386175	419	-1.90842482279794	0.0570310210348864	0.00876255180368746	0.158673554250132
BLCA	HDAC9	cg08725366	0.11197626142329	419	2.28725468485469	0.0226871816032419	0.0125386831223371	0.0800946863971726
BLCA	HDAC9	cg10068437	-0.0323528238139331	419	-0.657034552195662	0.511525550143451	0.0010467052087354	0.693627243983151
BLCA	HDAC9	cg11321459	-0.0189863306498652	419	-0.385449901866198	0.700103045778846	0.000360480751546011	0.828221051449506
BLCA	HDAC9	cg11765288	0.113400716777526	419	2.3167275938108	0.0210082636955879	0.0128597225656567	0.0756383054535364
BLCA	HDAC9	cg12081743	0.0223789122415461	419	0.454356095952995	0.649811823376499	0.00050081571311482	0.795252810521982
BLCA	HDAC9	cg16475478	0.0394812067902901	419	0.802006286863109	0.42301166016194	0.00155876568961765	0.618055914105589
BLCA	HDAC9	cg18856632	-0.0744809875362261	419	-1.51600974975564	0.130283728957999	0.00554741750437147	0.286639679022556
BLCA	HDAC9	cg19585556	0.00390879279543807	417	0.0791476264273006	0.936953816576919	1.52786611176686e-05	0.966360948228465
BLCA	HDAC9	cg20648975	-0.0631681838772632	419	-1.28473985609582	0.19960504777882	0.00399021945435174	0.382417807829221
BLCA	HDAC9	cg21433125	0.0870240705355983	419	1.77312256700952	0.0769471348185853	0.00757318885258479	0.197499930914152
BLCA	HDAC9	cg23074799	-0.0865771932035362	419	-1.76394846176403	0.0784817197648678	0.00749561038300243	0.200164150134028
BLCA	HDAC9	cg23385718	0.0294501749533162	419	0.598032661297586	0.550146728635571	0.000867312804780932	0.722794612704784
BLCA	HDAC9	cg24350771	0.0662274764795306	419	1.34722872723302	0.178647053196803	0.00438607864084678	0.355254611477722
BLCA	HDAC9	cg25620356	-0.0251086974419653	419	-0.509811625220441	0.610456418803077	0.000630446687232154	0.767686371774891
BLCA	HDGF	cg00692559	-0.0561017999098204	419	-1.14053845449233	0.254724599726604	0.00314741195312152	0.448976923851991
BLCA	HDGF	cg00746981	0.0247775894744289	419	0.503084590444811	0.615173634740994	0.000613928940163328	0.771011481014971
BLCA	HDGF	cg01910231	-0.00865691474755422	419	-0.175722762768559	0.860598084711802	7.49421729464217e-05	0.925933556854983
BLCA	HDGF	cg02914429	0.149130439768547	419	3.06124965025268	0.0023484783782405	0.0222398880655603	0.0135361581801023
BLCA	HDGF	cg04402095	0.0319249957814502	419	0.648337119363936	0.517128100273386	0.00101920535564561	0.698125178874929
BLCA	HDGF	cg05762852	0.110361926958419	419	2.25387030387218	0.024729181277901	0.0121797549219754	0.085486221486537
BLCA	HDGF	cg05967123	0.0953175719550249	419	1.9435847105345	0.05262612286324	0.00908543952340135	0.149756998863848
BLCA	HDGF	cg06106793	0.105552694658274	419	2.15452148462231	0.0317783600164105	0.0111413713496227	0.102987738570141
BLCA	HDGF	cg06119628	-0.142270251210955	419	-2.91744741326298	0.00372225455223059	0.0202408243796283	0.01958400315408
BLCA	HDGF	cg07313589	0.0547088253346378	419	1.11213345780128	0.266729286509155	0.00299305556949591	0.462455996672385
BLCA	HDGF	cg07892339	0.130655057362658	419	2.67493788788603	0.00777197782351059	0.0170707440144393	0.0351517981196852
BLCA	HDGF	cg08597205	0.194635726529777	419	4.02770115230165	6.70648198104383e-05	0.0378830660417741	0.000684559887890804
BLCA	HDGF	cg08708935	0.0552815044448378	419	1.12381050990122	0.261747793490566	0.00305604473368463	0.457088918194683
BLCA	HDGF	cg09063372	0.166677459704464	419	3.43118008584638	0.000661692021235505	0.0277813755735332	0.00475525811547297
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BLCA	HDGF	cg11588596	0.139387538703657	419	2.85714979133479	0.00449124083591394	0.0194288859458635	0.0227498104954479
BLCA	HDGF	cg12220178	0.0169332398037909	419	0.343756516207427	0.731204766694493	0.000286734610252689	0.84810893904064
BLCA	HDGF	cg12421458	0.164202447692852	419	3.37880737293257	0.000797344549116375	0.0269624438283238	0.00555314430205544
BLCA	HDGF	cg13170934	-0.02715206561683	419	-0.551330006694798	0.581706343118563	0.000737234667260642	0.747080519923707
BLCA	HDGF	cg13235992	0.0955620266283891	419	1.9486151736511	0.0520198712709428	0.00913210093332495	0.148518220612014
BLCA	HDGF	cg14155849	-0.0011506126625262	419	-0.0233549017506943	0.981378485363653	1.32390949916564e-06	0.990430547466757
BLCA	HDGF	cg15503799	0.0039549084977169	419	0.0802765028033169	0.9360563247779	1.56413012253133e-05	0.965893462508212
BLCA	HDGF	cg17170583	0.0281530265748448	419	0.571670623823316	0.5678568823112	0.000792592905323916	0.736510514144506
BLCA	HDGF	cg17218029	-0.115756266213734	419	-2.36549729204699	0.0184681639783993	0.0133995131677449	0.0684560606848704
BLCA	HDGF	cg17971171	0.181978441713447	419	3.75648273791074	0.00019714460007188	0.0331161532484545	0.00171551085212437
BLCA	HDGF	cg18593717	-0.0323719201870813	419	-0.657422775970301	0.511276214936653	0.00104794121659876	0.693486450200194
BLCA	HDGF	cg19599803	0.178243650660989	419	3.67683031970105	0.000267406198554789	0.0317707990009567	0.0022172881912568

BLCA	HDGF	cg20284773	0.0491741325261306	419	0.999334852386435	0.318219068098467	0.00241809530969746	0.517540906563505
BLCA	HDGF	cg23747104	0.10117195761129	419	2.06415774344694	0.039628268304876	0.0102357650069006	0.1216638977272
BLCA	HDGF	cg26431298	0.100766078107653	419	2.05579168096668	0.0404322131450387	0.0101538024971977	0.123341459569949
BLCA	HDGFL1	cg02685945	0.0455029840220356	419	0.92456736575842	0.35573218797234	0.00207052155490963	0.554530204010023
BLCA	HDGFL1	cg03930485	0.024813659092024	419	0.503817399438295	0.614658984807011	0.000615717677535187	0.770790848282879
BLCA	HDGFL1	cg05276066	0.0136422447630953	419	0.276933096935288	0.781970363509102	0.000186110842176201	0.879592285408142
BLCA	HDGFL1	cg06566039	-0.00783416121069169	419	-0.159020985219883	0.873730261901647	6.13740818751063e-05	0.933163160380612
BLCA	HDGFL1	cg08671671	0.027054927741072	419	0.549356148563195	0.583058689656051	0.000731969115074626	0.748094532641226
BLCA	HDGFL1	cg09081892	0.0228520560605891	419	0.463967239482969	0.642916258234179	0.000522216466196309	0.790339070414957
BLCA	HDGFL1	cg11894257	0.0142007226162813	419	0.288272255989656	0.773283309498559	0.000201660522824564	0.874232343362702
BLCA	HDGFL1	cg15317945	0.0394097452817936	419	0.800552384691858	0.423852209125221	0.00155312802317585	0.61891861893331
BLCA	HDGFL1	cg20209681	0.0514892347274167	419	1.04650545759997	0.295941289541655	0.00265114129281501	0.493918440100429
BLCA	HDGFL1	cg21898884	0.071108698227905	417	1.44525479185288	0.149148341046699	0.00505644696366726	0.314585203030853
BLCA	HIST1H1	cg00667898	-0.170317687908893	419	-3.50833099766661	0.00050059709585449	0.029008114814631	0.00375250052754907
BLCA	HIST1H1	cg00700007	-0.157648721092165	419	-3.24044042930592	0.00129031783903809	0.0248531192619954	0.00829372766835735
BLCA	HIST1H1	cg03821311	0.000155266929224601	419	0.00315157449467944	0.997486936919408	2.41078193108372e-08	0.998778778729371
BLCA	HIST1H1	cg04676561	-0.17223054932133	419	-3.54893119797865	0.000431356224984357	0.0296633621195271	0.00330903522004073
BLCA	HIST1H1	cg07138603	-0.14830494413455	419	-3.04392226408544	0.00248484263840651	0.021994356454752	0.0141688666871067
BLCA	HIST1H1	cg11206041	-0.154304590010745	419	-3.17000724614108	0.00163818240298826	0.0238099064983841	0.0101111362946738
BLCA	HIST1H1	cg14334286	-0.142840150903355	419	-2.92937690683439	0.00358515654977423	0.0204033087100933	0.018996299457372
BLCA	HIST1H1	cg18798248	-0.161188897938063	419	-3.31512731324718	0.000997113050419317	0.0259818608184874	0.0067012191010987
BLCA	HIST1H1	cg23460835	-0.155430190927195	419	-3.19370175212753	0.0015124992810479	0.0241585442516642	0.00946531808139653
BLCA	HIST1H1	cg00903962	0.00912250471125703	419	0.185174327505798	0.853183426789523	8.32200922069068e-05	0.921812856158839
BLCA	HIST1H1	cg04290376	-0.136739391266225	419	-2.8018238848602	0.00532108725832609	0.0186976611238578	0.0260591522581544
BLCA	HIST1H1	cg07750111	0.0452656377380572	419	0.91973483942571	0.358249513439151	0.00204897795983303	0.557237226546273
BLCA	HIST1H1	cg08283682	0.0738876701534398	419	1.50386661847803	0.133381863042347	0.00545938780070352	0.291305689318258
BLCA	HIST1H1	cg10717387	-0.130753437821661	419	-2.67698707955356	0.00772542633450644	0.017096461502183	0.0349861343734192
BLCA	HIST1H1	cg12633985	0.075023105255076	419	1.52710641809272	0.127501861487603	0.00562846632211422	0.282350125745525
BLCA	HIST1H1	cg15022984	-0.0696018123697253	419	-1.41619697853486	0.157473415472811	0.00484441228515045	0.326166481623361
BLCA	HIST1H1	cg16481032	0.0329439656787181	419	0.66905263239854	0.503836623173021	0.00108530487464055	0.687151096223535
BLCA	HIST1H1	cg16482183	-0.0246577492547051	419	-0.500649868703042	0.616884897730883	0.000608004598307909	0.77241177746783
BLCA	HIST1H1	cg17691542	0.0206907736944612	419	0.420066763866959	0.674655663023714	0.000428108116075406	0.811895344490855
BLCA	HIST1H1	cg20855557	-0.0266319207981794	419	-0.540760756489607	0.588964724616394	0.000709259205400501	0.752371535794406
BLCA	HIST1H1	cg23407813	-0.0858092692386951	419	-1.74818597741632	0.0811766794823721	0.00736323068727887	0.205087639765252
BLCA	HIST1H3	cg00958605	0.179270073555262	419	3.6987044616288	0.000246064468864495	0.0321377592725091	0.00206430920854573
BLCA	HIST1H3	cg01043409	0.209578606538707	419	4.3506000933805	1.7138574759101e-05	0.0439231923187061	0.000209437368019086
BLCA	HIST1H3	cg08041469	0.166949240311161	419	3.4369351681427	0.000648177318065555	0.0278720488404738	0.00467202395484902
BLCA	HIST1H3	cg08401836	0.283463152206866	419	5.99976518464629	4.33086264871765e-09	0.0803513586590529	1.26659822892609e-07
BLCA	HIST1H3	cg10075390	0.176188330763546	419	3.63306649026259	0.000315435823964197	0.0310423278972449	0.00254924314247566
BLCA	HIST1H3	cg15479139	0.234376462128835	419	4.893632020605958	1.42296148564929e-06	0.0549323260000294	2.33441302856602e-05
BLCA	HIST1H3	cg15797414	0.167467776773039	419	3.44791765871256	0.000623099201270742	0.0280454562573044	0.00451797737567864
BLCA	HIST1H3	cg21209604	0.185956446998562	419	3.8415072482867	0.000141542734844019	0.034579800180329	0.00129634748227639
BLCA	HIST1H3	cg23099349	0.250804011984968	419	5.25884939032177	2.33407788650874e-07	0.0629026524277561	4.64273216832169e-06
BLCA	HIST1H3	cg25701114	0.113537831598651	419	2.31956534925989	0.0208524964273907	0.0128908392041236	0.0751992910751172
BLCA	HLTF	cg00906762	-0.22343284735499	419	-4.65281785534234	4.41967884236072e-06	0.0499222372771582	6.38398374148436e-05
BLCA	HLTF	cg02059813	-0.195248354574009	419	-4.04088021498383	6.35408392628824e-05	0.038121919963858	0.00065445466034909
BLCA	HLTF	cg02398045	-0.0802048658136012	419	-1.63324262606426	0.103181908996927	0.00643282050017777	0.243531250882331
BLCA	HLTF	cg02611507	-0.397557514251727	419	-8.7943943063827	3.96438823424562e-17	0.158051977138012	4.00007287023221e-15
BLCA	HLTF	cg02710346	-0.179183854785779	419	-3.69686657081833	0.00024779399218113	0.0321068538158911	0.00207568491738331
BLCA	HLTF	cg03678609	-0.157527200877665	419	-3.23787901820686	0.00130166483231504	0.0248148190163524	0.00835699545804376
BLCA	HLTF	cg04120413	-0.453816342084494	419	-10.3372403687257	2.00508115772042e-22	0.20594927234295	3.2564359829583e-20
BLCA	HLTF	cg04731810	-0.42402867974641	419	-9.50351013631119	1.69671304574783e-19	0.179800321247483	2.16383761771978e-17
BLCA	HLTF	cg04836786	-0.0744392852916224	419	-1.51515619795051	0.130499652008015	0.00554120719472756	0.286928097007278
BLCA	HLTF	cg05555455	-0.19537975427187	419	-4.04370756979623	6.28080954611556e-05	0.0381732483793362	0.000647851097627305
BLCA	HLTF	cg07275648	-0.417602689138626	419	-9.32878211981616	6.66888808473122e-19	0.174392005975812	7.96927004091521e-17
BLCA	HLTF	cg09352720	-0.420853123260754	419	-9.41694882079628	3.34935424878862e-19	0.177117351358331	4.12931322393442e-17
BLCA	HLTF	cg09392355	-0.187798527041388	419	-3.88094521483664	0.000121126411454708	0.0352682867589148	0.00113570062103261

BLCA	HLTF	cg15438497	-0.147313608979151	419	-3.02312245363493	0.00265812139844978	0.0217012993904621	0.014948738239789
BLCA	HLTF	cg16724124	0.138761052939417	419	2.84405546230877	0.00467624911080582	0.0192546298128556	0.0235139372584854
BLCA	HLTF	cg20117402	-0.270094074473145	419	-5.69393198107334	2.36289978158422e-08	0.0729508090655046	5.98175807382241e-07
BLCA	HLTF	cg21089667	-0.192755449730065	419	-3.98728251229645	7.90664735013481e-05	0.0371546634006398	0.000786760966943448
BLCA	HLTF	cg21111416	-0.377993333791494	419	-8.28727348204109	1.64947959288266e-15	0.142878960390808	1.36801295787541e-13
BLCA	HLTF	cg21835021	-0.240547393860467	419	-5.03028099014245	7.3257854730922e-07	0.0578630486930627	1.29493786660699e-05
BLCA	HLTF	cg21926402	-0.0694021710078749	419	-1.41211516120081	0.158670901062144	0.00481666134060631	0.327878558111626
BLCA	HLTF	cg24041269	-0.0808779971456347	419	-1.64703973385613	0.100312343402078	0.00654125042228929	0.238754732832225
BLCA	HLTF	cg24710191	0.132695055075475	411	2.69426206993119	0.00734787969715707	0.0176079776414834	0.033642572724421
BLCA	HLTF	cg25951608	-0.366271062398235	419	-7.98970992142523	1.36969328761485e-14	0.134154491150332	1.00998975940009e-12
BLCA	HLTF	cg26151310	-0.113351821515141	419	-2.31571568023645	0.021064054275052	0.0128486354408005	0.075800584618068
BLCA	HLTF	cg27554556	-0.292497171717556	419	-6.20856722889288	1.30628880573295e-09	0.0855545954627696	4.23246278022445e-08
BLCA	IDH1	cg00707300	0.0579271304901986	419	1.17777002705092	0.239568168040972	0.00335555244682849	0.431502441002754
BLCA	IDH1	cg01046174	0.101072154227801	419	2.06210048149378	0.0398246896950781	0.0102155803602483	0.1221030981807
BLCA	IDH1	cg02241586	-0.0174999385708277	419	-0.355264361541227	0.722573355097951	0.000306247849982743	0.842819875350326
BLCA	IDH1	cg03448938	0.0730065997877583	419	1.48583714894422	0.138086975205272	0.00532996361256991	0.298406570991386
BLCA	IDH1	cg05268564	0.033860601834535	419	0.687689497641361	0.492035292666822	0.00114654035659692	0.677583726444483
BLCA	IDH1	cg07129696	0.0809131061913661	419	1.64775942264459	0.100164430286305	0.00654693075353528	0.238523598437349
BLCA	IDH1	cg07915542	-0.125238951910473	419	-2.56224665945939	0.0107543671534814	0.0156847950756338	0.0451302074132908
BLCA	IDH1	cg09406631	0.0209706806483941	419	0.425751954538898	0.670510916450044	0.00043976944685693	0.809085373075718
BLCA	IDH1	cg09615745	0.0301106654043093	419	0.611457008551476	0.541234303056014	0.000906652171090266	0.716276673573541
BLCA	IDH1	cg10356455	0.0944243695263457	419	1.92520712737418	0.0548915252226444	0.00891596156044789	0.154427575335252
BLCA	IDH1	cg14772913	0.0753843215967236	419	1.53450095116886	0.125673994662031	0.00568279594259826	0.279461546442318
BLCA	IDH1	cg15399923	0.0497737924110401	419	1.01155144511517	0.312346260350799	0.00247743041097731	0.511400113182011
BLCA	IDH1	cg16085695	-0.0902482893556683	419	-1.83934602995261	0.0665836645382131	0.00814475373162444	0.177695011975497
BLCA	IDH1	cg16863783	0.100838696473067	419	2.05728842768782	0.0402873706935318	0.0101684427063874	0.123091721120948
BLCA	IDH1	cg24324379	-0.0661113177264716	419	-1.34485539204731	0.17941178948207	0.00437070633153047	0.356280181670862
BLCA	IDH1	cg24830471	0.0658182601011105	419	1.33886793408335	0.181351919151745	0.00433204336273743	0.358637734467713
BLCA	IDH1	cg24987806	0.105284315458106	419	2.14898189611874	0.0322178381702448	0.011084787081482	0.104106106027665
BLCA	IDH1	cg25795625	0.115694024396433	419	2.3642081103593	0.0185316721085119	0.0133851072810425	0.0686340027937721
BLCA	IDH1	cg26105702	0.0684017767474363	419	1.39166390789939	0.164775073901203	0.00467880306220611	0.336532215780261
BLCA	ING2	cg02075087	-0.155537422810887	419	-3.19595970449707	0.00150099980418902	0.0241918898946527	0.00940545942545955
BLCA	ING2	cg02552216	-0.189414620487068	419	-3.91557986713562	0.00010552569939759	0.0358778984542601	0.00100863327914192
BLCA	ING2	cg10348863	-0.0193736676111486	419	-0.393316324012164	0.694289309893039	0.000375338996707269	0.824779992270395
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BLCA	ING3	cg01382559	-0.174955996589859	419	-3.60685001586283	0.000347973816004041	0.0306096007427508	0.00276622471308178
BLCA	ING3	cg01416111	-0.155575341158383	419	-3.19675816844724	0.00149695271021601	0.0242036867765473	0.00938463527589205
BLCA	ING3	cg10268125	-0.0527265074584497	419	-1.07172198933845	0.284472301133019	0.00278008458876595	0.481772900714969
BLCA	ING3	cg14303833	-0.123392366470113	419	-2.52387907541051	0.0119817533301143	0.0152256761030947	0.0490778741362497
BLCA	ING3	cg16130600	0.104376977672381	419	2.13025713542618	0.0337422564523949	0.0108945534680206	0.107747520665693
BLCA	ING3	cg18485114	0.019980298567582	419	0.405636742878345	0.685220096282913	0.000399212330849721	0.818843126625962
BLCA	ING3	cg19478983	0.0407573629100575	419	0.82797209729257	0.408165644853242	0.00166116263138213	0.604174971735948
BLCA	ING3	cg19960827	0.0434176255067442	419	0.882113370401085	0.378229855935059	0.00188509020464389	0.576821833465447
BLCA	ING3	cg20553930	-0.0231686337708294	419	-0.470398172130376	0.638319486196595	0.000536785590806816	0.787302830283069
BLCA	ING3	cg24859794	-0.0876683571411045	419	-1.78635125808303	0.0747776246578446	0.00768574084382025	0.193469819496886
BLCA	ING4	cg00369908	0.0040860013196867	419	0.0829374609968622	0.933941546583838	1.66954067844814e-05	0.964887298303339
BLCA	ING4	cg00443163	-0.0999702507980606	419	-2.03939094889097	0.042048578805601	0.00999405104462714	0.126994609038082
BLCA	ING4	cg00591160	-0.134509441349571	419	-2.7552826181016	0.00612424055945423	0.0180927898121737	0.0291536635712998
BLCA	ING4	cg03930474	-0.018749680187744	419	-0.380643855862827	0.703663714289599	0.000351550507142679	0.830715293636109
BLCA	ING4	cg04375284	-0.110501582680042	419	-2.25675766181293	0.024546468447981	0.0122105997747941	0.0850094807658031
BLCA	ING4	cg08733494	-0.110342092983542	419	-2.25346025082893	0.0247552251965134	0.0121753774839885	0.0855572432776917
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BLCA	ING4	cg27116036	-0.109543774254151	419	-2.23695784706206	0.0258233296115535	0.0119998384778443	0.0882767521042544
BLCA	INO80	cg00734724	-0.00752427615547781	419	-0.152730449073396	0.878685616837774	5.6614731663892e-05	0.935556954441632
BLCA	INO80	cg06380007	0.0656202548722022	419	1.33482268793251	0.182671528028462	0.00430601784949277	0.360541642812283

BLCA	INO80	cg12580230	-0.0412620014365462	419	-0.838241035455185	0.402381380126514	0.00170255276254954	0.598925802842476
BLCA	INO80	cg18952654	0.146639116985738	419	3.00897585165961	0.0027822334442831	0.0215030306303571	0.0154989468761018
BLCA	INO80	cg21007089	0.0442481827986289	419	0.899020546478964	0.369166835479963	0.00195790168098087	0.567857024707857
BLCA	INO80	cg21598047	0.0213580374463709	419	0.433619724690612	0.664791560872756	0.000456165763560582	0.805398884155155
BLCA	INO80	cg22835709	-0.161174374328731	419	-3.31482064343058	0.000998178806665001	0.0259771789402579	0.00670572729582877
BLCA	INO80	cg26409855	0.085506622395141	419	1.74197468184074	0.0822591430873015	0.00731138247342523	0.207112298553782
BLCA	INO80	cg27441689	-0.127857073028588	419	-2.61669136284241	0.00920519876126504	0.0163474311234376	0.0400061023706063
BLCA	INTS12	cg00093890	-0.0049627450206368	419	-0.100733962647157	0.91981065142116	2.46288381398553e-05	0.957776754988605
BLCA	INTS12	cg01852585	-0.100034501224504	419	-2.04071490059699	0.0419160917617704	0.0100069014352353	0.126687922705434
BLCA	INTS12	cg03607115	-0.0790152144142419	419	-1.60886394382031	0.108412047337902	0.00624340410892862	0.252365296090848
BLCA	INTS12	cg19703969	0.0383279001244248	419	0.77854346577881	0.436695592089185	0.00146902792794788	0.629746355447781
BLCA	INTS12	cg26533745	-0.107133319076612	419	-2.18715669826079	0.029292615545618	0.0114775480563711	0.0969819815797656
BLCA	IWS1	cg02372421	-0.208647512430922	419	-4.33038990915315	1.87140345101663e-05	0.0435337844436119	0.000226272863022051
BLCA	IWS1	cg02592214	-0.239719475533029	419	-5.01191021303245	8.01669495800225e-07	0.0574654269498307	1.40556855434489e-05
BLCA	IWS1	cg10180764	-0.21732557798519	419	-4.51924105470996	8.12010685074349e-06	0.0472304068465967	0.000108895714088668
BLCA	IWS1	cg10488833	0.0382605777453597	419	0.777173959366214	0.437502140219567	0.00146387180940871	0.630371934661449
BLCA	IWS1	cg15239145	-0.0723360080230824	419	-1.47211707960255	0.141752713211306	0.00523249805671544	0.303947260868232
BLCA	IWS1	cg17144508	-0.00621311935397711	419	-0.126114983431498	0.899702426959012	3.8602852106765e-05	0.947110292325431
BLCA	IWS1	cg18451256	0.0271913096564741	419	0.552127456674484	0.581160405039638	0.000739367320834264	0.746748811691668
BLCA	IWS1	cg18530950	-0.174587625186389	419	-3.59901674456585	0.000358291341249755	0.030480838868223	0.00283549507641744
BLCA	IWS1	cg19311602	-0.0130179282965097	419	-0.264257477704831	0.791713660245286	0.000169466457133067	0.885723751170194
BLCA	IWS1	cg19409088	-0.105367982362665	419	-2.15070880541392	0.0320802780033534	0.0111024117071788	0.103760732870151
BLCA	IWS1	cg21581038	0.187925755813604	419	3.88367067757983	0.000119823692856903	0.0353160896981143	0.00112538504915006
BLCA	IWS1	cg21679674	-0.161922363817378	419	-3.3306175179516	0.000944635871185708	0.0262188519042075	0.00640074932175081
BLCA	IWS1	cg22409775	-0.0918855440862793	419	-1.87299641725588	0.0617767550814311	0.00844295321203158	0.168166452684053
BLCA	IWS1	cg23570261	0.00955927467316063	419	0.19404095010526	0.846239452517143	9.13797322769302e-05	0.917861143885125
BLCA	IWS1	cg23623107	0.0469777789023414	419	0.954598707439611	0.340340416565992	0.00220691171059727	0.539564751708473
BLCA	JADE1	cg09863040	-0.051443969843209	414	-1.04558301817299	0.296366642093722	0.002646482033229	0.494329900408212
BLCA	JADE1	cg12832492	0.00974540198435693	414	0.197819449957441	0.843283891957619	9.4972859836708e-05	0.916260609108509
BLCA	JADE1	cg14617908	0.133154790242119	414	2.72703057056072	0.00666370430618763	0.0177301981644227	0.0311629824343589
BLCA	JADE1	cg15389440	0.221672114516445	414	4.61424920821631	5.27616509340979e-06	0.0491385263541921	7.45602156724289e-05
BLCA	JADE1	cg15836763	-0.00586045697401029	414	-0.118956327494691	0.905367934089935	3.43449559442259e-05	0.949796033632693
BLCA	JADE1	cg20039387	0.0965604924161084	414	1.96916561307052	0.0496037772186625	0.00932392869564133	0.143437916179181
BLCA	JADE1	cg22922695	-0.0175584421206336	414	-0.356452401443987	0.721684263412778	0.000308298889703639	0.842318387247239
BLCA	JADE1	cg26766900	-0.0528991955272658	419	-1.07393619261584	0.283481379997182	0.0027983248874319	0.480743696850787
BLCA	JADE2	cg04590931	-0.06239841283876	414	-1.26902236952124	0.205149532079456	0.00389356192479632	0.389407264630611
BLCA	JADE2	cg04842522	0.0464150887401416	414	0.943139884615727	0.346162071373331	0.00215436046275522	0.545459175131174
BLCA	JADE2	cg17378563	-0.109423701944576	414	-2.23447615849685	0.0259873665107204	0.0119735465472555	0.0887130805939454
BLCA	JADE2	cg18145011	-0.041813638293941	414	-0.849467082619913	0.396114766384927	0.00174838034737653	0.592793485245353
BLCA	JADE2	cg21194015	-0.0310409133150327	414	-0.630365490467397	0.528804955596772	0.000963538299431372	0.707171948241404
BLCA	JADE2	cg25669900	-0.10476913155132	414	-2.13834936558324	0.0330760183209486	0.0109765709260179	0.106164779851462
BLCA	JADE2	cg26133206	-0.0595065811670369	414	-1.20999589704008	0.226974238781065	0.00354103320218916	0.416542437644118
BLCA	JADE3	cg10860619	-0.144596298067274	414	-2.96615642964124	0.00319097991872134	0.02090808941476	0.0173239662114533
BLCA	JADE3	cg17843048	-0.157806056558259	414	-3.24375698092524	0.00127576171519993	0.0249027514864685	0.00821850007223117
BLCA	JADE3	cg19194595	-0.139314061714145	414	-2.85561385039657	0.0045125919792703	0.0194084077912926	0.022837144186531
BLCA	JARID2	cg01769037	-0.0408957701809781	419	-0.830788496731024	0.406574302538812	0.00167246401869538	0.602836855389185
BLCA	JARID2	cg03223185	0.170327524869813	419	3.50853968076562	0.000500216003214809	0.0290114657282769	0.0037500051801188
BLCA	JARID2	cg05197191	-0.201653942656683	419	-4.17897742720701	3.5777611240401e-05	0.0406643125889849	0.000397672511234454
BLCA	JARID2	cg06047828	-0.0363741293062158	419	-0.738803096773232	0.460447238986142	0.00132307728278531	0.650221524566846
BLCA	JARID2	cg14862454	0.143707110785918	419	2.94753035686239	0.00338535772071129	0.020651733690436	0.0181490261542977
BLCA	JARID2	cg15109221	0.220997691473003	419	4.59948864849324	5.64442232978678e-06	0.0488399796363966	7.92460188997352e-05
BLCA	JARID2	cg21397480	0.0854482084789385	419	1.74077589465744	0.0824694061770139	0.00730139633226014	0.207447222016571
BLCA	JARID2	cg21901688	-0.188722040447752	419	-3.90073309646778	0.000111964683403582	0.035616085507631	0.00106208762110697
BLCA	JARID2	cg25338254	-0.129618140125888	419	-2.6533445505671	0.00827806784782279	0.0168008622496944	0.0368855387935682
BLCA	JMJD6	cg02318866	-0.0653176560378018	419	-1.32864090054425	0.184701884084467	0.00426639619027258	0.363185258207593
BLCA	JMJD6	cg04510639	-0.139594276604855	419	-2.86147163668215	0.00443165476900835	0.0194865620608329	0.0225236939267108
BLCA	JMJD6	cg07312083	-0.148145880770018	419	-3.04058422802418	0.00251193349258822	0.0219472019891244	0.0142950515085887

BLCA	JMJD6	cg08857478	-0.0466782396860458	419	-0.948498671513402	0.343431658794676	0.00217885806018794	0.542795198477744
BLCA	JMJD6	cg10712116	0.0480188191508075	419	0.97580123120145	0.329735561587332	0.00230580699263796	0.529343326897478
BLCA	JMJD6	cg12504415	-0.130255896678517	419	-2.66662449230092	0.00796343157331702	0.0169665986195245	0.0358096644979552
BLCA	JMJD6	cg15457598	0.0315170287643715	419	0.640043778882863	0.522499902247313	0.000993323102134223	0.702281611559071
BLCA	JMJD6	cg21102709	-0.170541539322747	419	-3.51308009029166	0.000491991313113234	0.029084416634572	0.00369868305105633
BLCA	JMJD6	cg21807925	-0.2158242283851456	419	-4.48659922825799	9.40047224537273e-06	0.0465822612237823	0.000124012266891051
BLCA	JMJD6	cg23630158	-0.258242283851705	419	-5.42578758669578	9.86313321012893e-08	0.0666890771689448	2.14447340678807e-06
BLCA	JMJD6	cg25004679	-0.115310375193331	419	-2.35626241088753	0.0189273465701679	0.0132964826272267	0.0697602744759065
BLCA	JMJD6	cg25908504	-0.177670269892397	419	-3.66461637967449	0.000280068571009089	0.0315667248036373	0.00230752535618313
BLCA	JMJD6	cg26612088	-0.119426753367967	419	-2.44157264085203	0.0150432842668764	0.0142627494200132	0.0585109372660058
BLCA	JMJD8	cg00873473	-0.254787136503339	419	-5.34811707205185	1.47655336897553e-07	0.0649164849275711	3.08119615842497e-06
BLCA	JMJD8	cg02851105	-0.25702464993286	419	-5.39839035036924	1.1377839142422e-07	0.0660616706731093	2.44038494139943e-06
BLCA	JMJD8	cg03899598	-0.270581091902056	419	-5.7050092179938	2.22481071309732e-08	0.0732141272949091	5.66907712462145e-07
BLCA	JMJD8	cg05787952	-0.268157194731157	419	-5.64992409060911	2.99875643038257e-08	0.0719082810860837	7.40559632768851e-07
BLCA	JMJD8	cg06191810	-0.260520991618378	419	-5.47713397531639	7.53443705862135e-08	0.0678711870738227	1.68429309350112e-06
BLCA	JMJD8	cg06646636	-0.302858919282462	419	-6.45030043799233	3.133840481596e-10	0.0917235249889407	1.13550995074653e-08
BLCA	JMJD8	cg08398290	-0.254347118188387	419	-5.33824142159317	1.55375720920501e-07	0.0646924565307371	3.22930772997313e-06
BLCA	JMJD8	cg26750188	-0.214583393615676	419	-4.45944701417854	1.0610925665198e-05	0.04604603281562	0.000138084033321916
BLCA	JMJD8	cg27579097	-0.26569323929851	419	-5.59404709387095	4.04968872501384e-08	0.0705928974089352	9.69556167967491e-07
BLCA	KAT2B	cg00770008	-0.0688032489656658	419	-1.39987077187157	0.162304552494165	0.00473388706823139	0.332930424413481
BLCA	KAT2B	cg04371528	-0.0622353045687622	419	-1.26569225385251	0.206338550146087	0.0038732331347666	0.390852009302995
BLCA	KAT2B	cg05072819	-0.0999007656351929	419	-2.03795915860504	0.0421922573071191	0.00998016297449774	0.127314862299756
BLCA	KAT2B	cg12062464	-0.112133951843585	419	-2.29051669596701	0.0224957747944525	0.0125740231560594	0.0795507206854693
BLCA	KAT2B	cg14937543	-0.0924834087890849	419	-1.88528809415701	0.0600943769110407	0.00855318090124899	0.16486165523213
BLCA	KAT2B	cg18053505	-0.183274322569135	419	-3.78415926060405	0.000177107472890321	0.0335894773131754	0.00156780823236569
BLCA	KAT5	cg00582417	-0.255945493031559	419	-5.37413191684281	1.29057797268866e-07	0.0655080954031678	2.73791172095287e-06
BLCA	KAT5	cg02561205	-0.0487204594641977	419	-0.990093102021845	0.322709724782505	0.00237368317040253	0.52210465705287
BLCA	KAT5	cg05785768	-0.266187535742724	419	-5.60524712515351	3.81374344807327e-08	0.0708558041847839	9.17890810896263e-07
BLCA	KAT5	cg07564927	-0.262553676373476	419	-5.52301953042937	5.9125483834076e-08	0.0689344329772282	1.35801827262714e-06
BLCA	KAT5	cg14726348	-0.265745841277748	419	-5.59523875153318	4.02392454267617e-08	0.070620852156418	9.64972829448059e-07
BLCA	KAT5	cg18896539	0.09964315659512	419	2.03265120713823	0.0427285469349196	0.00992875865623961	0.128494513906805
BLCA	KAT5	cg20108992	-0.0142815259276634	419	-0.289912883158784	0.772028735710802	0.000203961982822522	0.873589413516895
BLCA	KAT5	cg20423942	-0.171424771549678	419	-3.53182367102127	0.000459359748060061	0.0293864523008592	0.00349205172458575
BLCA	KAT5	cg22048492	0.0760679236092623	419	1.54849677206261	0.122270508961065	0.00578632900222457	0.274181712617235
BLCA	KAT6A	cg10163397	-0.0275197755384026	419	-0.558802076784787	0.576600390826352	0.000757338045684064	0.743240502451372
BLCA	KAT6A	cg12468056	0.162093271077058	419	3.33422775397321	0.000932779921071037	0.0262742285284606	0.00633531353062688
BLCA	KAT6A	cg15251374	-0.40049918469236	417	-8.86107123802278	2.41957867841364e-17	0.160399596939245	2.49309541335776e-15
BLCA	KAT6A	cg20966972	0.255431591164673	419	5.36258745028164	1.3701157490183e-07	0.0652452977649164	2.89062512476167e-06
BLCA	KAT6B	cg04396765	-0.0101735564799104	419	-0.20651133045902	0.836493530773487	0.000103501251449926	0.912469885003328
BLCA	KAT6B	cg06972998	-0.0904126257748916	419	-1.84272294186848	0.0660877258416446	0.00817444289951059	0.176704882080251
BLCA	KAT6B	cg09631472	0.00647572003069992	419	0.131445516904417	0.895487046413441	4.19349499160081e-05	0.944526056385157
BLCA	KAT6B	cg10359932	-0.00345300272188949	419	-0.0700887182399717	0.944157052496709	1.19232277973762e-05	0.970165960631898
BLCA	KAT6B	cg10739686	-0.163132017792523	419	-3.35617682676037	0.000863626596711892	0.0266120552290599	0.00594084069896586
BLCA	KAT6B	cg11128436	0.000848396560059445	419	0.017220575581967	0.986268983777321	7.19776723120699e-07	0.992812561828328
BLCA	KAT6B	cg11348552	0.0972774776586065	419	1.98392631315119	0.0479272684009198	0.0094629076596207	0.139899212711761
BLCA	KAT6B	cg15874302	-0.269662880385279	419	-5.68412838406398	2.49204947555102e-08	0.0727180690576852	6.2669911622248e-07
BLCA	KAT6B	cg15912797	0.16180548805617	419	3.32814881771013	0.000952823532651753	0.0261810159650953	0.0064461217409436
BLCA	KAT6B	cg17147776	-0.0122220264327858	419	-0.248098572861761	0.80418174717425	0.000149377930123714	0.893491885510492
BLCA	KAT6B	cg18462764	-0.0940105947737158	419	-1.91669533090542	0.0559681072752704	0.00883799192970781	0.156460505152091
BLCA	KAT6B	cg18491775	0.238136405410564	419	4.97681553925105	9.51574734753987e-07	0.0567089475818643	1.63957485969993e-05
BLCA	KAT6B	cg24671245	0.0380804268385609	419	0.773509289165717	0.4396646137263	0.00145011890820699	0.632281522510839
BLCA	KAT6B	cg26605858	0.0440595884267559	419	0.895181276913899	0.371212874239386	0.00194124733233512	0.569891941242453
BLCA	KDM1A	cg00062312	0.0279735792761245	419	0.568023934384376	0.570328142681838	0.00078252113751762	0.738336343137038
BLCA	KDM1A	cg00541565	-0.0183722406918021	419	-0.372978709963373	0.709356102442277	0.000337539228037507	0.83440914241165
BLCA	KDM1A	cg04886391	-0.0074251076387982	419	-0.150717379319985	0.880272425385195	5.51322234477393e-05	0.93646463720723
BLCA	KDM1A	cg06958034	0.0508149696137245	419	1.03276547829288	0.302319509177641	0.00258216113684375	0.500705624682578
BLCA	KDM1A	cg07118078	-0.0224606569281364	419	-0.456016583675617	0.648618323001476	0.000504481109643442	0.794358009063455

BLCA	KDM1A	cg07785945	0.033938714481419	419	0.689277748216995	0.491036500536102	0.00115183634065128	0.676711607339466
BLCA	KDM1A	cg10499166	0.0552482451446374	419	1.12313231519226	0.262035337971902	0.00305236859156195	0.457355165515383
BLCA	KDM1A	cg12578844	0.0135398730980946	419	0.274854603204973	0.783565720593502	0.000183328163512505	0.880580552357001
BLCA	KDM1A	cg22683154	-0.210652055714356	419	-4.37391558106408	1.54785751603151e-05	0.0443742885766843	0.000191681037252714
BLCA	KDM1A	cg26662347	0.0592488501859063	419	1.2047367405492	0.22899652113283	0.00351042624835197	0.418958993556299
BLCA	KDM1B	cg11007366	0.0310446627193709	419	0.63044170520401	0.528755153053434	0.000963771083359499	0.707122965192856
BLCA	KDM1B	cg15124342	-0.334698506169674	419	-7.20944022809841	2.7062411839678e-12	0.112023090032211	1.43510106793177e-10
BLCA	KDM1B	cg20677365	-0.263035672380673	419	-5.50022953296882	6.7146619907893e-08	0.0691877649447529	1.51981499828764e-06
BLCA	KDM1B	cg22406543	0.272091148271593	419	5.73938562736004	1.8444849537491e-08	0.0740335929677539	4.7766265809573e-07
BLCA	KDM1B	cg23073439	-0.353071068946575	419	-7.65988323843873	1.34210540947973e-13	0.124659179727077	8.73705006067497e-12
BLCA	KDM1B	cg23860886	0.0598105724457898	419	1.21619933508724	0.224605324860528	0.00357730457629308	0.413844926510502
BLCA	KDM1B	cg24342628	0.21416945013986	419	4.45043051579906	1.10449332396028e-05	0.0458685533732102	0.000142919084571135
BLCA	KDM2A	cg05038268	-0.226654403960943	419	-4.72351012280304	3.1843590656546e-06	0.0513722188348903	4.76483995294353e-05
BLCA	KDM2A	cg05295919	-0.241206032441555	419	-5.04490391959421	6.81733436505806e-07	0.0581803500861965	1.21723137387038e-05
BLCA	KDM2A	cg06320126	-0.193408778257064	419	-4.00132133672512	7.46837986111077e-05	0.0374069555068903	0.000749671152148711
BLCA	KDM2A	cg07283932	-0.304762239298609	419	-6.49497372098956	2.39605746623533e-10	0.0928800225023028	8.88036658067227e-09
BLCA	KDM2A	cg08836144	-0.145290369844787	417	-2.97345694596097	0.00311847540601622	0.0211092915696349	0.0169863237456677
BLCA	KDM2A	cg09993857	-0.176779874364546	419	-3.64565714503097	0.000300846179536554	0.0312511239803448	0.00244912953272627
BLCA	KDM2A	cg11637544	0.0941493202525698	419	1.91954895291669	0.0556052277477978	0.00886409450402095	0.155747934058877
BLCA	KDM2A	cg16004548	-0.149617748618357	419	-3.07148147062594	0.00227121986772699	0.022385470701626	0.0131739717765034
BLCA	KDM2A	cg18132081	0.171035340425324	419	3.52355825011657	0.000473491311099319	0.0292530876744066	0.00358071187476042
BLCA	KDM2A	cg21293464	-0.246832663595721	419	-5.1701294088846	3.65647284898049e-07	0.0609263638177583	6.94292528224527e-06
BLCA	KDM2A	cg21711868	-0.246669483282056	419	-5.16648993200104	3.72393249713392e-07	0.0608458339826363	7.06412106027886e-06
BLCA	KDM2A	cg25597833	-0.263771793597128	419	-5.55055493618629	5.10810924303096e-08	0.0695755590974457	1.18907509466866e-06
BLCA	KDM2B	cg03486832	-0.198291286098195	419	-4.10641402922619	4.84781675337166e-05	0.0393194341424763	0.000516334962365546
BLCA	KDM2B	cg05067991	-0.201593719282279	419	-4.17767651033137	3.59743956791259e-05	0.0406400276540624	0.000399570550751274
BLCA	KDM2B	cg07020001	-0.0566735503705492	419	-1.15219929227434	0.249907306007715	0.00321189131160318	0.443530877730572
BLCA	KDM2B	cg07529210	-0.182504670832736	419	-3.76771912302267	0.000188764763073067	0.0333079548757654	0.00165331749363951
BLCA	KDM2B	cg07793808	-0.0697571909139188	419	-1.41937392767304	0.156546157855638	0.00486606568420092	0.325042085147503
BLCA	KDM2B	cg09151742	-0.0304026033805017	419	-0.617390848803042	0.537318021406655	0.000924318292312095	0.713261736775718
BLCA	KDM2B	cg12251659	-0.0879752756326472	419	-1.79265379647969	0.0737617829264711	0.00773964912264025	0.191510334111467
BLCA	KDM2B	cg12888660	-0.120425714735007	419	-2.46229478163826	0.0142135248633438	0.0145023527694373	0.0559776719090249
BLCA	KDM2B	cg15234492	-0.171677767944871	419	-3.53719426773509	0.000450390276468134	0.0294732560065331	0.00343338179005997
BLCA	KDM2B	cg15316703	-0.0771072091198464	419	-1.5697789428778	0.117234200749839	0.00594552169825173	0.266467522150791
BLCA	KDM2B	cg16837338	-0.0272109513703437	419	-0.55051128157007	0.582269284008671	0.000740435874479208	0.747489941796081
BLCA	KDM2B	cg17452615	-0.150292044767041	419	-3.08564316280005	0.00216813996355228	0.0225876987202582	0.0126761070437837
BLCA	KDM2B	cg20055546	-0.0607853975476988	419	-1.23609453114517	0.217127683843485	0.00369486455503178	0.404502874584992
BLCA	KDM2B	cg21249371	-0.176811135487893	419	-3.6463226328139	0.000300092962232175	0.0312621776325182	0.00244352437763134
BLCA	KDM2B	cg21781916	0.0286478539463296	419	0.581726686956444	0.561068940666076	0.00082069953573023	0.731586590460064
BLCA	KDM2B	cg26218726	-0.0996163028973544	419	-2.03209791910691	0.0427847799313513	0.00992340780293745	0.128638755893157
BLCA	KDM2B	cg26509318	-0.128048017653196	419	-2.62066428106618	0.00910039463281447	0.0163962948249131	0.0396747422139189
BLCA	KDM3A	cg01744130	-0.188022673487276	419	-3.88574695957601	0.000118840179659007	0.0353525257453028	0.00111776725140766
BLCA	KDM3A	cg02152982	-0.0945305739647652	419	-1.92739203030025	0.0546179884653112	0.00893602941410795	0.153897344875599
BLCA	KDM3A	cg02972551	0.0713264168850415	419	1.4514649826463	0.147411429200731	0.00508745774565873	0.312131865085511
BLCA	KDM3A	cg03037033	-0.0982296438939826	419	-2.00353354978224	0.0457744159400716	0.00964906293953864	0.135285119430208
BLCA	KDM3A	cg04793821	-0.0896841278109449	419	-1.82775435280696	0.0683094925402148	0.00804324278120989	0.181138789333384
BLCA	KDM3A	cg07052513	0.00736536108220318	419	0.149504557179324	0.881228669636619	5.42485438712333e-05	0.937033434831551
BLCA	KDM3A	cg07211384	-0.112809314384012	419	-2.30448934725033	0.0216917485381038	0.0127259414117908	0.077478782634217
BLCA	KDM3A	cg12888358	-0.143448252963901	419	-2.94210935653168	0.0034439294445614	0.0205774012783954	0.0183945792797947
BLCA	KDM3A	cg18611949	-0.0477300123136887	419	-0.969918881021063	0.332655975156127	0.00227815407546487	0.5323398870939
BLCA	KDM3A	cg19139691	-0.120042733275622	419	-2.45434944108755	0.0145267581299657	0.014410257812282	0.0569374557619183
BLCA	KDM3A	cg20191795	-0.0169224710799223	419	-0.343537840999661	0.731369118269272	0.000286370027450807	0.848179581942523
BLCA	KDM3A	cg20918903	-0.0394495936517665	419	-0.801363108175065	0.42338338216423	0.0015562704392895	0.618459644586227
BLCA	KDM3A	cg22404242	0.136321458638477	419	2.79309793451177	0.00546397731897675	0.0185835400853219	0.0266231148410671
BLCA	KDM3A	cg24749656	-0.0713434463340866	419	-1.45181329801894	0.14731457404872	0.00508988733482469	0.31202869673127
BLCA	KDM3B	cg00435490	-0.121327642480672	419	-2.48101060560822	0.0134992047887184	0.0147203968299178	0.0538652614553527
BLCA	KDM3B	cg03315484	-0.0315791616120051	419	-0.641306823109104	0.521679943682965	0.000997243448117139	0.701615917896247

BLCA	KDM3B	cg05191700	-0.0684347028706093	41S	-1.39233695553216	0.16457140197881	0.00468330855698858	0.33622216622563
BLCA	KDM3B	cg05708550	-0.135498465751407	41S	-2.77591923152784	0.00575548584194061	0.0183598342209851	0.0277428753694732
BLCA	KDM3B	cg05722427	-0.169789491222964	41S	-3.49712732036025	0.000521460465188038	0.0288284713297529	0.00388456338493136
BLCA	KDM3B	cg15001364	-0.0236772783382449	41S	-0.480731031869427	0.630962846391302	0.000560613509506723	0.782248219568487
BLCA	KDM3B	cg18682923	-0.0510551094727957	41S	-1.037658815504	0.300037534480349	0.00260662420327916	0.498314298406215
BLCA	KDM3B	cg19076659	-0.190207347246179	41S	-3.93258091464576	9.85833865108784e-05	0.0361788349464284	0.000952340242174006
BLCA	KDM3B	cg24137987	-0.1065264397149	41S	-2.17462446681298	0.0302265689546087	0.0113478823583322	0.099229679084054
BLCA	KDM4A	cg00154982	-0.053197039687183	41S	-1.0813130762019	0.280190384721513	0.00282992503147973	0.477400034802782
BLCA	KDM4A	cg00979347	0.11173382964231	41S	2.28224004062121	0.0229841987236634	0.0124844486865368	0.0808808411593013
BLCA	KDM4A	cg03587511	0.176534742034078	41S	3.64043915483528	0.000306813931715432	0.0311645151450385	0.00249120999936022
BLCA	KDM4A	cg08552254	-0.160570705984591	41S	-3.30207598131443	0.0010434172374293	0.0257829516203899	0.00695379084798898
BLCA	KDM4A	cg10958452	-0.142118310324349	41S	-2.91426739299742	0.00375959929116764	0.0201976141294479	0.0197510985451847
BLCA	KDM4A	cg10968649	0.119334794093334	41S	2.4396654456918	0.0151217630542974	0.0142407930812984	0.0587339575139054
BLCA	KDM4A	cg12293275	0.107449237965537	41S	2.19368149101343	0.0288163016823818	0.0115453387393745	0.095808312458613
BLCA	KDM4A	cg17737314	-0.159014943652775	41S	-3.26924817917005	0.00116885886750404	0.0252857523048953	0.00764504848987803
BLCA	KDM4A	cg19743044	-0.0683300760783331	41S	-1.39019827998525	0.165219248648318	0.00466899929687079	0.337164980702165
BLCA	KDM4A	cg20873046	-0.0121881268952308	41S	-0.247410333621686	0.804713923571113	0.000148550437214248	0.89384061239475
BLCA	KDM4A	cg21451504	-0.163295721640867	41S	-3.35963698874996	0.000853170602226167	0.0266654927062115	0.00588295992107627
BLCA	KDM4A	cg22094309	-0.0938051337777397	41S	-1.91246914749319	0.0565091630137463	0.00879940312305965	0.157633169373615
BLCA	KDM4A	cg24324755	0.0824759614124048	41S	1.67980217306861	0.0937538760295013	0.00680228421090049	0.227416950885193
BLCA	KDM4A	cg24505556	-0.145885471575227	41S	-2.99317418130255	0.0029271314898513	0.0212825708167263	0.0161452968747513
BLCA	KDM4A	cg25841161	0.0848801103432217	41S	1.7291181625224	0.0845370169274815	0.00720463313187749	0.211183735103449
BLCA	KDM4B	cg01098771	-0.102781570806567	41S	-2.0973456810182	0.0365718498850889	0.0105640512974653	0.114628142222426
BLCA	KDM4B	cg12072803	-0.212189802524151	41S	-4.40734456141269	1.33645626969761e-05	0.0450245122952384	0.000168506124870107
BLCA	KDM4B	cg18115693	-0.111905179759302	41S	-2.28578433458033	0.0227739215490764	0.0125227692569616	0.0803158775671242
BLCA	KDM4C	cg00121158	0.212409586116252	41S	4.41212521597738	1.30858323594288e-05	0.0451178322740777	0.000165501421324891
BLCA	KDM4C	cg00667760	0.209760935051221	41S	4.35455913499794	1.68451844891521e-05	0.0439996498735627	0.00020624083760609
BLCA	KDM4C	cg05545111	0.158993119516904	41S	3.26878785118929	0.00117071337520598	0.0252788120537167	0.00765428804440272
BLCA	KDM4C	cg14196303	-0.0251073977735481	41S	-0.509785219867244	0.610474903571429	0.000630381422959166	0.767697207468814
BLCA	KDM4C	cg14473811	0.139412976173628	41S	2.85768153978683	0.00448387042449169	0.0194359779255884	0.0227257942408565
BLCA	KDM4C	cg14497348	0.0903340536349646	41S	1.84110836181636	0.0663244632120442	0.00816024124612466	0.177155203128507
BLCA	KDM4E	cg15555590	0.0526568428338258	41E	1.07030204246397	0.28510998969486	0.00277274309722624	0.482317369162831
BLCA	KDM4E	cg19409026	0.0491423737018921	41E	0.998687874912405	0.318532096890611	0.00241497289305642	0.517909249373159
BLCA	KDM5B	cg00528052	-0.00147102292771319	41S	-0.0298585366718388	0.976194332179127	2.1639084538579e-06	0.987422964433455
BLCA	KDM5B	cg00571448	0.0373876380589644	41S	0.759417124783188	0.448037354181845	0.00139783547962812	0.639487339116807
BLCA	KDM5B	cg02624558	0.0895984005464924	41S	1.82599309303424	0.0685749200019385	0.00802787338048969	0.181613580943379
BLCA	KDM5B	cg04504182	0.0260309352232024	41S	0.528549383247537	0.597402679066733	0.000677609588594561	0.758275077989932
BLCA	KDM5B	cg08915090	0.151742106009042	41S	3.11611256967485	0.00196079403365602	0.0230256667360592	0.0117012895868546
BLCA	KDM5B	cg09889216	-0.0935221345962419	41S	-1.90664846344698	0.0572615014659385	0.00874638965943759	0.159124380565817
BLCA	KDM5B	cg11171004	0.183819149177031	41S	3.79580137397978	0.000169266939064629	0.0337894796041675	0.00150887501519351
BLCA	KDM5B	cg11221497	-0.126618548570272	41S	-2.59092897697215	0.00991143067913776	0.0160322568420423	0.0423165489409386
BLCA	KDM5B	cg13134514	0.0407757404602015	41S	0.828346052653653	0.407954135753247	0.00166266101007771	0.604042330353789
BLCA	KDM5B	cg13253785	-0.0241373647066621	41S	-0.490077777638861	0.624339727433449	0.000582612374982418	0.777416684102018
BLCA	KDM5B	cg13993945	-0.145030503270013	41S	-2.97525452020449	0.00309979406917528	0.0210338468787532	0.0168987652289714
BLCA	KDM5B	cg14560895	-0.110830114484415	41S	-2.26355053412401	0.0241212369541871	0.0122833142766285	0.0838953595750002
BLCA	KDM5B	cg21105875	-0.092018231083922	41E	-1.86888262154365	0.062353687037089	0.00846735485181407	0.169322211999557
BLCA	KDM5B	cg24354901	0.089270195392685	41S	1.81925052226882	0.069598920967946	0.00796916778544815	0.183588039393069
BLCA	KDM5B	cg27531483	-0.114640599533424	41S	-2.34239334962335	0.0196357758257719	0.0131424670613828	0.0717873349475363
BLCA	KDM5C	cg01859586	0.0183964967699197	41E	0.373471304289776	0.708989791658739	0.000338431093405664	0.834222331232297
BLCA	KDM5C	cg04927657	0.0889309181396821	41E	1.81228111678584	0.070670581545016	0.00790870820116683	0.185640628759513
BLCA	KDM5C	cg04927982	-0.152863049922808	41E	-3.13968050162717	0.0018131186512818	0.0233671120317028	0.0109732186368303
BLCA	KDM5C	cg09554224	0.093012462557253	41E	1.89616678152877	0.0586373685993619	0.0086513181909644	0.161943888555054
BLCA	KDM5C	cg12234996	-0.199714781471847	41E	-4.13711330120318	4.26542493499286e-05	0.0398859939383477	0.000462731093840238
BLCA	KDM5C	cg16417926	-0.0128219918707667	41E	-0.26027940658878	0.79477828559671	0.000164403475534007	0.887606080844577
BLCA	KDM5C	cg16824069	-0.114431869672556	41E	-2.33807183770717	0.0198612170578889	0.0130946527967568	0.0724099503140599
BLCA	KDM5C	cg19903753	-0.0738318576036414	41E	-1.50272441365994	0.13367619891684	0.00545114319720439	0.291719204963437
BLCA	KDM5C	cg24985300	-0.163557098716246	41E	-3.36516223329178	0.000836718290417324	0.0267509245404759	0.0057833551918903

BLCA	KDM5C	cg27526317	-0.0819506707731854	41E	-1.6690309170959	0.0958709046347837	0.00671591244017503	0.231089457617846
BLCA	KDM6A	cg00751785	-0.0836200749170821	41E	-1.70326748521093	0.089272155116192	0.00699231692913842	0.219561536896706
BLCA	KDM6A	cg03267667	-0.0530483305142013	41E	-1.07828178717182	0.281538919946312	0.00281412537034394	0.47866067157409
BLCA	KDM6A	cg03478540	0.0397064884567257	41E	0.80658977919985	0.420368211646955	0.00157660522556409	0.615572763803207
BLCA	KDM6A	cg06877198	-0.0583835806756246	41E	-1.1870821552656	0.235879207139845	0.00340864249250717	0.427141225331403
BLCA	KDM6A	cg07167981	-0.0916611886797424	41E	-1.86838435610272	0.0624180267336608	0.00840177351018333	0.169442346471528
BLCA	KDM6A	cg11895950	-0.064033264723034	41E	-1.30240616441106	0.193505148413622	0.00410025899109015	0.374577971426528
BLCA	KDM6A	cg14384228	-0.0815891205589367	41E	-1.66161802615283	0.0973500513618375	0.00665678459358071	0.233559036450761
BLCA	KDM6A	cg15923127	-0.0412134741910781	41E	-0.837253522046288	0.402935471276581	0.00169855045489866	0.599452335057474
BLCA	KDM6A	cg17824914	-0.130718802732948	41E	-2.67626564728564	0.00774178643160282	0.0170874053879353	0.0350446542756153
BLCA	KDM6A	cg20211377	-0.0496478360617909	41E	-1.00898530429169	0.313573880996741	0.00246490762561846	0.512622491400182
BLCA	KDM6A	cg22133177	-0.0460403383445006	41E	-0.93550883394486	0.350074131285197	0.00211971275487609	0.549076936414053
BLCA	KDM6A	cg27306636	-0.0521258450746932	41E	-1.05947943561575	0.290002219147741	0.00271710372475092	0.487508538504644
BLCA	KDM6B	cg01046511	-0.250929232670339	41E	-5.2616513988854	2.30098873887669e-07	0.0629654798085249	4.58747098801059e-06
BLCA	KDM6B	cg02308232	-0.258987266951771	41E	-5.44256364567391	9.03437009407137e-08	0.0670744044431481	1.97754582751319e-06
BLCA	KDM6B	cg24893073	-0.25454449384574	41E	-5.34267082788568	1.51865721451741e-07	0.0647928993471839	3.16142411951211e-06
BLCA	KDM8	cg00636124	0.0337760143268263	41E	0.685969609098652	0.49311809953388	0.00114081914380597	0.678480166814789
BLCA	KDM8	cg01755539	-0.202309688480257	41E	-4.19314574022561	3.36998027633467e-05	0.0409292100529787	0.000377269025208202
BLCA	KDM8	cg06329197	0.0311287527902924	41E	0.632151024416339	0.527638827776107	0.000968999250279136	0.706221525474446
BLCA	KDM8	cg08572679	-0.184983878659615	41E	-3.82070202600594	0.000153583575782772	0.0342190353639553	0.00139009664856835
BLCA	KDM8	cg09140090	-0.18847113827814	41E	-3.89535602181471	0.000114387132309283	0.0355213699638578	0.00108124332574342
BLCA	KDM8	cg10214171	2.93900912032238e-05	41E	0.00059655369767702	0.999524307778736	8.63777460933814e-10	0.999766564997096
BLCA	KDM8	cg10221365	-0.0458764397655262	41E	-0.932171488127238	0.35179383583394	0.00210464772555995	0.550686045468613
BLCA	KDM8	cg16752029	0.0637104030586757	41E	1.29581247995689	0.195765572675456	0.00405901545789891	0.377628678140158
BLCA	KDM8	cg24206694	0.0382356488288848	41E	0.77666684523326	0.437801014839408	0.0014619648413658	0.630685755127901
BLCA	KDM8	cg24705286	0.0143774983381071	41E	0.291861510485735	0.770539413861193	0.000206712458462274	0.872878760184189
BLCA	KIAA202f	cg03495688	0.216734959756986	41E	4.50635304216431	8.60426400129342e-06	0.0469740427808622	0.000114557609740993
BLCA	KIAA202f	cg25608569	-0.263776846312237	41E	-5.55066921156986	5.10500361089858e-08	0.0695782246504292	1.1890378769648e-06
BLCA	KMT2B	cg09284703	-0.145843398135814	41E	-2.99229218542443	0.0029354193545595	0.0212702967798016	0.0161806854154752
BLCA	KMT2B	cg13830730	0.163020291824744	41E	3.35381547007055	0.00087083052602193	0.0265756155466247	0.00597982080866361
BLCA	KMT2B	cg15496871	0.119176351768295	41E	2.43637957050923	0.0152578219631376	0.0142030028208003	0.0591796879792754
BLCA	KMT2B	cg24471867	-0.00113632045046611	41E	-0.0230648009608736	0.98160974944338	1.2912241661475e-06	0.990518921343635
BLCA	L3MBTL1	cg01071811	-0.405337853923595	41E	-8.99995323149798	8.38962952692145e-18	0.164298775823385	9.03965151547545e-16
BLCA	L3MBTL1	cg01877937	-0.306284813878799	41E	-6.5307721552885	1.93032066265361e-10	0.0938103872127708	7.28260745055649e-09
BLCA	L3MBTL1	cg02177317	-0.259738037871427	41E	-5.45948057239862	8.26731655020352e-08	0.0674638483172988	1.82868246717809e-06
BLCA	L3MBTL1	cg02472486	-0.267986783028535	41E	-5.64605570632762	3.06201924591596e-08	0.0718169158779832	7.53874324054573e-07
BLCA	L3MBTL1	cg02611863	-0.39319414142459	41E	-8.6801043047206	9.30488802138383e-17	0.154601632850621	9.03700947235373e-15
BLCA	L3MBTL1	cg03486259	-0.00482388834015292	41E	-0.0979153786197485	0.922047105376292	2.32698987182632e-05	0.959081862757632
BLCA	L3MBTL1	cg04984575	-0.238563902803003	41E	-4.98628845904352	9.08635843846149e-07	0.0569127357206005	1.57360678620141e-05
BLCA	L3MBTL1	cg06362543	0.0132294905277048	41E	0.26855283166292	0.788408231537914	0.00017501941962263	0.88355057067088
BLCA	L3MBTL1	cg06446163	-0.278791620819289	41E	-5.89247911474014	7.91691206947565e-09	0.077724767839046	2.21224230435628e-07
BLCA	L3MBTL1	cg06908806	0.0152397899471633	41E	0.30936987914575	0.757196578168426	0.000232251197633659	0.864610871784079
BLCA	L3MBTL1	cg07678583	-0.303900192087782	41E	-6.47472982396366	2.70646770290368e-10	0.0923553267509909	9.92677739178165e-09
BLCA	L3MBTL1	cg08369943	-0.199910542278945	41E	-4.14133723092565	4.19071052746197e-05	0.0399642249142618	0.000455718848144178
BLCA	L3MBTL1	cg08633313	-0.332160860938003	41E	-7.14797124604889	4.03528661087528e-12	0.110330837539075	2.06053155153225e-10
BLCA	L3MBTL1	cg09541000	-0.286102407419734	41E	-6.0605827576388	3.06482799474236e-09	0.0818545875313672	9.21628252891329e-08
BLCA	L3MBTL1	cg10360552	-0.29940353998641	41E	-6.36941500762938	5.07655765669565e-10	0.089642479756394	1.76384871078598e-08
BLCA	L3MBTL1	cg12699433	-0.235471350324481	41E	-4.91782941814575	1.26650270755535e-06	0.0554467568236343	2.10931945261316e-05
BLCA	L3MBTL1	cg14306330	-0.189351299189964	41E	-3.91422220330135	0.000106099618646204	0.0358539145049274	0.00101362074578936
BLCA	L3MBTL1	cg15123011	-0.00881545402048526	41E	-0.178941126993982	0.858071890799159	7.77122295872896e-05	0.92459305335166
BLCA	L3MBTL1	cg15302378	-0.370018308240206	41E	-8.08434188718465	7.0276625345797e-15	0.136913548432944	5.35465209809102e-13
BLCA	L3MBTL1	cg15330298	-0.373553635333288	41E	-8.17404110316618	3.7145856199663e-15	0.139542318470715	2.92482260849857e-13
BLCA	L3MBTL1	cg15388309	-0.389728420825141	41E	-8.58982158997119	1.81605175418326e-16	0.151888241998859	1.7103865637401e-14
BLCA	L3MBTL1	cg16862791	-0.302877214233842	41E	-6.45072943744993	3.12579379888998e-10	0.0917346069020527	1.13457783495876e-08
BLCA	L3MBTL1	cg17091610	-0.340004072622733	41E	-7.33852942862028	1.15988944181735e-12	0.115602769400045	6.50089619861234e-11
BLCA	L3MBTL1	cg17774347	0.060679909987039	41E	1.23394146627904	0.217928134922937	0.00368205147603515	0.405485706228303
BLCA	L3MBTL1	cg18911945	-0.302972137577601	41E	-6.45295542693871	3.08436523012959e-10	0.0917921161483405	1.12228769276287e-08

BLCA	L3MBTL1	cg20091959	-0.32696731778154	418	-7.02271044670531	9.0368289446931e-12	0.106907626897255	4.32090393929597e-10
BLCA	L3MBTL1	cg20252111	-0.252690949224269	418	-5.30110252841583	1.88072120362749e-07	0.0638527158198619	3.83911900590389e-06
BLCA	L3MBTL1	cg20529070	-0.37744852047557	418	-8.27334266208619	1.82348677755252e-15	0.142467385609196	1.4995383760351e-13
BLCA	L3MBTL1	cg22330467	-0.268106790959457	418	-5.64877985407293	3.01733530140022e-08	0.0718812513585778	7.4446743557605e-07
BLCA	L3MBTL1	cg22457903	-0.366026900434247	418	-7.98355958685492	1.43013158537212e-14	0.133975691841502	1.05355735371628e-12
BLCA	L3MBTL1	cg22601123	-0.221547828038215	418	-4.61152852647608	5.34225987667948e-06	0.0490834401084506	7.54259236266571e-05
BLCA	L3MBTL1	cg23626798	-0.313744792128527	418	-6.70697678848283	6.57407026884458e-11	0.0984357945877726	2.70165463547013e-09
BLCA	L3MBTL1	cg24343973	-0.276781210032854	418	-5.84644838380664	1.02283856109344e-08	0.0766078382272509	2.79195449198957e-07
BLCA	L3MBTL1	cg02358112	-0.232925484948043	418	-4.86159105703421	1.6590289419784e-06	0.054254281538281	2.677089763789e-05
BLCA	L3MBTL1	cg06235991	-0.00241405011364166	418	-0.049000008449458	0.960943033910165	5.82763795117333e-06	0.97951496193618
BLCA	L3MBTL1	cg08053598	-0.106528658302274	418	-2.17467027678741	0.0302231087794247	0.0113483550396826	0.099229679084054
BLCA	L3MBTL1	cg09993119	-0.0136261923393757	418	-0.276607177445428	0.782220463796271	0.00018567311766966	0.879759122736588
BLCA	L3MBTL1	cg12821546	0.0637676113568117	418	1.29698079404626	0.195363645615125	0.00406630825815338	0.377075212448306
BLCA	L3MBTL1	cg13843727	-0.149981484253069	418	-3.07912016761148	0.00221507269779374	0.0224944456187537	0.0128971907381308
BLCA	L3MBTL1	cg14679202	-0.0904802628824985	418	-1.84411284556735	0.0658844917002625	0.00818667797128604	0.176276590567142
BLCA	L3MBTL1	cg15283028	-0.168671945042506	418	-3.47343305778897	0.000568290918720178	0.0284502250444223	0.0041770556088883
BLCA	L3MBTL1	cg19467356	-0.0889324936591919	418	-1.81231347950684	0.0706655740323468	0.0079089884284422	0.185640011693256
BLCA	L3MBTL1	cg24240981	-0.0228643984190466	418	-0.464217958473052	0.642736787805496	0.000522780715064901	0.790198879395383
BLCA	L3MBTL1	cg26947834	0.0508284529066467	418	1.03304022299591	0.302191077583832	0.00258353162488321	0.500588831173218
BLCA	L3MBTL1	cg27177954	-0.13783553873834	418	-2.82471775022526	0.00496215209396084	0.0189986399117067	0.0246221239952538
BLCA	L3MBTL1	cg03454037	-0.0679513410477454	418	-1.38245694461936	0.167580362878813	0.00461738475018701	0.340401277469998
BLCA	L3MBTL1	cg07826275	-0.0714331822918845	418	-1.45364875215319	0.146805000466062	0.00510269953234561	0.311220520118182
BLCA	L3MBTL1	cg08106148	-0.0824579689275767	418	-1.67943320803391	0.0938257663267186	0.00679931663966121	0.227541669231896
BLCA	L3MBTL1	cg08358392	-0.309313456984071	418	-6.60214578281727	1.25110870531581e-10	0.095674814671437	4.91063323013816e-09
BLCA	L3MBTL1	cg09710740	-0.0911565917462718	418	-1.85801243333558	0.0638803664489835	0.00830952421879647	0.172331006260437
BLCA	L3MBTL1	cg10237990	-0.0984821151944901	418	-2.00873342925765	0.045217388491801	0.00969872701318082	0.134087120543233
BLCA	L3MBTL1	cg16487825	-0.0762308189987562	418	-1.55183215674121	0.121470179542603	0.00581113776522112	0.272945644185243
BLCA	L3MBTL1	cg16800851	-0.208434955577721	418	-4.32577791154074	1.90924844809324e-05	0.0434451307066864	0.000230073675061198
BLCA	L3MBTL1	cg18411550	-0.110253473201298	418	-2.25162813440081	0.0248718808691307	0.0121558283529494	0.0858727100290519
BLCA	L3MBTL1	cg18798995	-0.106395282445155	418	-2.17191635543518	0.0304317293199518	0.0113199561265843	0.0997642625670598
BLCA	L3MBTL1	cg22934935	0.0309954324676465	418	0.629440996189882	0.529409257441895	0.000960716833856433	0.707595075483382
BLCA	L3MBTL1	cg24516147	-0.106846385032842	418	-2.18123112132793	0.029731061884022	0.0114161499945864	0.0980166219521807
BLCA	LBR	cg01017344	-0.0476582678602301	418	-0.968457644619869	0.333384027562062	0.00227131049543744	0.532988663792911
BLCA	LBR	cg05530459	0.123444022907689	418	2.52495200742077	0.01194580321359	0.0152384267916342	0.0489643978695948
BLCA	LBR	cg12994003	-0.12161886803967	418	-2.48705513144561	0.0132754053100139	0.0147911490632507	0.0531768127638754
BLCA	LBR	cg14607642	-0.244541561655627	418	-5.11907271688551	4.72090034805754e-07	0.059800575376973	8.76300934566423e-06
BLCA	LBR	cg18107727	0.0621183446082396	418	1.26330439226927	0.207194223018366	0.00385868873686801	0.392081425090993
BLCA	LBR	cg18289048	-0.0614400436593944	418	-1.24945718629351	0.212207249016434	0.00377487896486829	0.398383151725696
BLCA	LBR	cg18764107	0.0727371625614173	418	1.48032431657207	0.139550987293154	0.00529069481748604	0.300643298407189
BLCA	LBR	cg19322477	-0.102036321151757	418	-2.08197763836685	0.0379611493035321	0.0104114108341845	0.11781495447694
BLCA	LBR	cg20483690	-0.111084295133019	418	-2.26880660363975	0.0237966217120812	0.0123397206251996	0.083052238199625
BLCA	LBR	cg26930584	-0.175411283282622	418	-3.61653366561808	0.000335604527998555	0.0307691183028563	0.00268380125936674
BLCA	MBD1	cg01719254	-0.0208906233594533	418	-0.424125900623432	0.671695358796435	0.000436418144346536	0.80989892500209
BLCA	MBD1	cg03841029	-0.0435685477971096	418	-0.885185471208301	0.376572923391849	0.00189821835714902	0.575113157217509
BLCA	MBD1	cg05549078	-0.00264185896037169	418	-0.0536240673708966	0.957260672693996	6.97941876649616e-06	0.977547775816274
BLCA	MBD1	cg12090413	-0.0276860647717501	418	-0.562181240841258	0.574298264504921	0.000766518182545544	0.741536108763481
BLCA	MBD1	cg13478031	0.00472509297250921	418	0.095909983099218	0.923638698716962	2.23265035988559e-05	0.959803374973999
BLCA	MBD1	cg14389183	-0.0657355469625131	418	-1.33717808565363	0.181902302243154	0.00432116213446076	0.359433774465428
BLCA	MBD1	cg19328682	-0.138395054856484	418	-2.83640726090159	0.00478748702167612	0.0191531912087293	0.0239540626038251
BLCA	MBD1	cg21282183	0.085643472953829	418	1.74478323923149	0.0817682400269059	0.00733480445959324	0.206180609177916
BLCA	MBD2	cg15090185	-0.036551079564256	418	-0.742401969532035	0.458266871545658	0.00133598141731257	0.648295412067846
BLCA	MBD2	cg16852837	-0.213933260486324	418	-4.44528696966147	1.13000833212024e-05	0.0457674399423094	0.000145735855750932
BLCA	MBD2	cg17987217	0.00845221544484426	418	0.171567364560124	0.863861900736784	7.14399459260639e-05	0.927709452041929
BLCA	MBD2	cg22224310	-0.215976947717737	418	-4.48981989746344	9.26600603104045e-06	0.0466460419454699	0.000122487625009135
BLCA	MBD2	cg22836370	0.0709353717709897	418	1.44346701055607	0.149648869110812	0.00503182696828853	0.3151036333236
BLCA	MBD2	cg23388714	-0.179896619110893	418	-3.71206292910485	0.000233830955496738	0.0323627935675296	0.00197831923348703
BLCA	MBD2	cg24881765	-0.199107108386817	418	-4.12400482680675	4.5054518778032e-05	0.0396436406101595	0.000485117125787989

BLCA	MBD2	cg25192916	0.2168269992546	419	4.50836111467514	8.52704815337388e-06	0.0470139476057541	0.000113763193970771
BLCA	MBD3	cg08660999	-0.0878078859925498	419	-1.78921640445639	0.0743144080497367	0.00771022484248062	0.192559539680286
BLCA	MBD3	cg09174855	-0.0358028748211002	419	-0.727185207677673	0.467525501868117	0.00128184584545537	0.656597294781003
BLCA	MBD3	cg12286540	-0.211686640498277	419	-4.3964025953668	1.40240733924967e-05	0.0448112337654467	0.000175937552894031
BLCA	MBD5	cg03890220	0.20791438350809	419	4.31448539293591	2.00502555032861e-05	0.0432283908695491	0.000239893813691578
BLCA	MBD5	cg04152151	0.169845671249093	419	3.49407070572468	0.00052742170540734	0.0288475520420551	0.00392146078089062
BLCA	MBD5	cg05218490	0.0635633682693192	419	1.29280977830985	0.196801361497233	0.00404030178574109	0.3789501526278
BLCA	MBD5	cg06394585	0.159177365566151	419	3.27267423571706	0.00115514179577365	0.0253374337085802	0.0075718824452659
BLCA	MBD5	cg06758980	0.263147357438947	419	5.5364360715692	5.50629173611367e-08	0.0692465317271011	1.27050072967561e-06
BLCA	MBD5	cg20595490	0.182524734246008	419	3.76814759623689	0.000188451966169234	0.0333152786115759	0.00165094957839745
BLCA	MBD5	cg21412502	-0.0816738282095154	419	-1.66335473406838	0.0970018817213209	0.00667061421439744	0.232956947457739
BLCA	MBD5	cg23120335	-0.109971991342843	419	-2.24580916722776	0.0252455641612642	0.0120938388799104	0.0868530235372428
BLCA	MBD5	cg25686162	0.204821176382053	419	4.24746457210977	2.67507026206327e-05	0.041951714294528	0.000308348519731738
BLCA	MBD5	cg26664634	-0.118807926894662	419	-2.42873967655039	0.0155783580718733	0.0141153234930073	0.0601291385682615
BLCA	MBTD1	cg01388767	0.0935754312422617	419	1.90774462506378	0.0571191841760505	0.00875636133217524	0.158839314165922
BLCA	MBTD1	cg14577476	-0.0534672944500642	419	-1.08682213639383	0.277750850552029	0.00285875157580987	0.474542632109559
BLCA	MBTD1	cg17045523	-0.0838898293522587	419	-1.70880102583977	0.0882409252007912	0.00703750346875108	0.217875854098148
BLCA	MBTD1	cg18711617	0.0717931769983677	419	1.46101242034496	0.144774234205804	0.00515426026351895	0.308296516329195
BLCA	MBTD1	cg22141797	-0.0781975938975517	419	-1.59211304364374	0.112126221748474	0.00611486369136641	0.258421144003698
BLCA	MBTD1	cg25259117	-0.0299863976736458	419	-0.608931229028316	0.542905625845661	0.000899184045442033	0.717412652359181
BLCA	MBTD1	cg25716740	0.0185183742878751	419	0.375946412432905	0.707150236189907	0.000342930186265833	0.833099194212029
BLCA	MBTD1	cg25855326	-0.0970017987199335	419	-1.9782504951405	0.0485661808201902	0.00940934895490248	0.141186751521894
BLCA	MBTD1	cg27207041	0.0298355843669033	419	0.605865940525911	0.544937404891851	0.000890162094514606	0.718975755566779
BLCA	MBTD1	cg27214721	0.0838562506561474	419	1.70811219700349	0.0883687676025408	0.00703187077410662	0.218101519888073
BLCA	MBTD1	cg27353579	-0.0914171158990595	419	-1.86336729187503	0.0631218763225368	0.00835708907930208	0.170829822460791
BLCA	MLLT10	cg00879184	-0.16904460309294	419	-3.48133263253287	0.000552257717334418	0.0285760778348498	0.00407921922353909
BLCA	MLLT10	cg03524461	-0.149287347761054	419	-3.06454393242526	0.00232334416504067	0.0222867122015298	0.0134191280700255
BLCA	MLLT10	cg04188362	-0.175880837489113	419	-3.62652328386238	0.000323277885668964	0.0309340689958717	0.00260153924048116
BLCA	MLLT10	cg05913198	0.0340073613424671	419	0.690673543089766	0.490159640006972	0.00115650062547713	0.676102041431628
BLCA	MLLT10	cg06398735	0.00254170005090272	419	0.0515910430607093	0.958879559960305	6.46023914875888e-06	0.978411569726944
BLCA	MLLT10	cg11443787	-0.0856702797832202	419	-1.74533340222266	0.0816723578981321	0.00733939683813523	0.206018787624101
BLCA	MLLT10	cg15910013	0.137745625331686	419	2.82283915368816	0.00499075550373294	0.0189738572980173	0.0247293524622548
BLCA	MLLT10	cg19119538	-0.221938925934111	419	-4.62009061809044	5.13690149453613e-06	0.0492568868447866	7.28967739631418e-05
BLCA	MLLT10	cg20569108	-0.15418931834042	419	-3.16758143082613	0.00165157983958285	0.0237743458902835	0.0101720372132458
BLCA	MLLT10	cg23344688	-0.109377144003956	419	-2.23351391241198	0.0260512127553807	0.0119633596304621	0.088872232443399
BLCA	MLLT10	cg26877631	-0.052583597611721	419	-1.06880913056569	0.285781491906676	0.00276503473779139	0.483033185186371
BLCA	MLLT10	cg27470303	0.0126002081296074	419	0.255776597032957	0.798250995640578	0.000158765244909424	0.889804100304595
BLCA	MLLT10	cg27572529	-0.137283222725501	419	-2.8131807408586	0.00514019001241335	0.0188466832418996	0.0253383026615256
BLCA	MLLT6	cg05652455	-0.0177740863262036	419	-0.360831550705764	0.718410312262302	0.000315918144731336	0.84013065905226
BLCA	MORF4L	cg03589001	0.00659034555384842	419	0.133772309879794	0.893647941802426	4.34326545191297e-05	0.943635361456408
BLCA	MORF4L	cg07757959	0.00283584440261044	419	0.0575615861311251	0.95412575490899	8.04201347581694e-06	0.975672160486888
BLCA	MORF4L	cg08692282	0.0834026137569254	419	1.69880692427321	0.0901104977496261	0.00695599598148688	0.220991017368129
BLCA	MORF4L	cg13747872	0.00597468393180272	419	0.121275003306131	0.903532342883443	3.56968480849416e-05	0.948890126666653
BLCA	MORF4L	cg15822222	-0.00455486395413401	419	-0.0924545998013628	0.926381799298248	2.07467856406693e-05	0.961225834217301
BLCA	MORF4L	cg20775702	-0.107883909646053	419	-2.20266002947707	0.0281718130267241	0.0116389379605177	0.0942455345810708
BLCA	MORF4L	cg20905746	0.126470145287616	419	2.58784288838784	0.00999920063085319	0.0159946976490708	0.0426234418562517
BLCA	MORF4L	cg23623458	-0.140540352500259	419	-2.84961040862137	0.00460189975684553	0.0197515906808972	0.0232000641360923
BLCA	MORF4L	cg24795825	0.064054718690827	419	1.30126224305495	0.193897686489243	0.00410300698656099	0.375067176138055
BLCA	MPHOSF	cg00331616	-0.112200604763166	419	-2.29189554238412	0.0224152920336505	0.0125889757092201	0.0792993499532538
BLCA	MPHOSF	cg03134886	0.0767756893070968	419	1.56298962583629	0.118822787505286	0.00589450646857986	0.26894315720879
BLCA	MPHOSF	cg03428000	0.127847582870863	419	2.61649391215998	0.00921043552699104	0.0163450044459222	0.040019918531431
BLCA	MPHOSF	cg04203901	0.143242008129862	419	2.9377906187266	0.00349125260005934	0.0205182728930754	0.0186064605582665
BLCA	MPHOSF	cg06019692	-0.00832622735465924	419	-0.169009815631496	0.865871865425733	6.93260619614758e-05	0.92874776887639
BLCA	MPHOSF	cg09559995	-0.104950502602908	419	-2.14209236046276	0.0327716975879152	0.0110146079966029	0.105415997804536
BLCA	MPHOSF	cg11051893	0.166768002052941	419	3.43309727327422	0.000657160934758822	0.0278115665087296	0.00472662516259502
BLCA	MPHOSF	cg19693579	0.104197834663799	419	2.12656079234708	0.0340503905785122	0.0108571887486243	0.108499880587564
BLCA	MPHOSF	cg20759595	-0.128075906164624	419	-2.62124457238472	0.00908517657448577	0.0164034377398896	0.0396194980904505

BLCA	MPHOSF	cg20952532	-0.0513467523788049	419	-1.04360187461171	0.297281568303083	0.00263648897985031	0.495346177274033
BLCA	MPHOSF	cg21958444	-0.109173653564036	419	-2.22930840524089	0.0263318532162472	0.0119188866325201	0.0895797320783621
BLCA	MPHOSF	cg22656705	-0.146406095381077	419	-3.00408952121809	0.00282632208857034	0.021434744764733	0.0156960951283724
BLCA	MSH6	cg00620552	-0.0329802266677576	419	-0.669789851246039	0.503366966261603	0.00108769535105667	0.686765379089446
BLCA	MSH6	cg02905881	0.0450068276879232	419	0.914465474562345	0.361007177998679	0.00202561453853041	0.559865899356703
BLCA	MSH6	cg05039065	0.109695939059457	419	2.24010297484578	0.0256167318265831	0.0120331990461362	0.0877665830933325
BLCA	MSH6	cg07652213	-0.0416377538362422	419	-0.845887674291662	0.398106414339736	0.0017337025445275	0.594713311259417
BLCA	MSH6	cg09898070	0.0672043637375883	419	1.36719050216549	0.172311048500836	0.00451642650537407	0.346797550179133
BLCA	MSH6	cg11869233	-0.0327567110029504	419	-0.665245616764495	0.506265632240089	0.00107300211573081	0.689298153464227
BLCA	MSH6	cg16595246	0.0672915710438344	419	1.36897269285086	0.171753678159722	0.00452815553354741	0.346006982565709
BLCA	MSH6	cg18222961	0.0980021854327483	419	1.99884916734419	0.0462811787741636	0.00960442834959478	0.136335271067964
BLCA	MSH6	cg19076255	-0.0336925422916263	419	-0.684272415540321	0.494187872766944	0.00113518740607303	0.679363041297198
BLCA	MSH6	cg19736286	0.086704067111348	419	1.76655299248071	0.0780435307973944	0.00751759525364913	0.199333605355845
BLCA	MSH6	cg21405109	-0.0676947525095329	419	-1.37721262216308	0.169194280496546	0.00458257951732691	0.342607628115683
BLCA	MTA1	cg01318265	-0.261745524642639	419	-5.50476701008578	6.51233314273939e-08	0.0685107196704502	1.48048055086578e-06
BLCA	MTA1	cg01655777	-0.0954767086174795	419	-1.94685943312818	0.0522307967234009	0.00911580188842709	0.148953094216293
BLCA	MTA1	cg05922925	-0.226213787719173	419	-4.71383187313825	3.33133029125967e-06	0.0511726777542549	4.96318254876528e-05
BLCA	MTA1	cg13052453	-0.192575042375798	419	-3.98340686248552	8.03187107997247e-05	0.0370851469460405	0.000797291316493051
BLCA	MTA1	cg13981078	-0.16340966971995	419	-3.36204564537662	0.000845961759306422	0.0267027201579832	0.00583894500075271
BLCA	MTA1	cg16531924	-0.13308616007538	419	-2.72559966354319	0.0066921345827309	0.0177119260036098	0.0312546027333234
BLCA	MTA1	cg20222911	-0.262523401788456	419	-5.5223353870518	5.93402263676418e-08	0.068918536486583	1.36214622898918e-06
BLCA	MTA1	cg21517792	-0.165405471730894	419	-3.40425580957656	0.000728483529902725	0.0273589700785196	0.00515477967302643
BLCA	MTA1	cg23123838	-0.133265381888069	419	-2.72933643891895	0.00661811892981042	0.0177596620097728	0.0309907869756018
BLCA	MTA1	cg23883989	-0.283639952704491	419	-6.00383462512133	4.23217537878148e-09	0.080451622770206	1.24334536033582e-07
BLCA	MTA1	cg23966123	-0.189814573018176	419	-3.92415636980014	0.000101967589017349	0.0360295721300725	0.00098015823573616
BLCA	MTA2	cg00501779	-0.148698890846048	419	-3.05219050264715	0.00241889047363192	0.0221113601388448	0.0138567868560914
BLCA	MTA2	cg07654871	-0.031412817771279	419	-0.637925381569634	0.523876639980782	0.000986765120331582	0.703087368768479
BLCA	MTA2	cg09086761	0.0419569657810492	419	0.852383985537493	0.394496222622081	0.00176038697755213	0.591248061105319
BLCA	MTA2	cg13708959	-0.0738459319531113	419	-1.50301244413148	0.133601928550737	0.00545322166602354	0.291598025690206
BLCA	MTA2	cg19570317	-0.146609549020649	419	-3.0083557999189	0.00278779294146848	0.0214943598640382	0.0155209020316753
BLCA	MTA2	cg21002970	-0.00663481419411301	419	-0.134674983901329	0.892934619288847	4.40207593904035e-05	0.943222019714917
BLCA	MTF2	cg05396182	-0.0437729688903295	419	-0.889346664507138	0.374335770220087	0.00191607280547375	0.572990120781959
BLCA	MTF2	cg05962718	-0.19403468107951	419	-4.01477601947404	7.07006331668603e-05	0.0376494574616271	0.000715597847590779
BLCA	MTF2	cg09936581	0.176246403609025	419	3.63430235626523	0.000313974846426287	0.0310627947851152	0.0025394028790782
BLCA	MTF2	cg11404133	-0.0497380446055552	419	-1.01082314104599	0.312694351587792	0.0024738730811842	0.511690037598248
BLCA	MTF2	cg14474880	-0.145300161106467	419	-2.98090566168241	0.00304436241803186	0.0211121368175653	0.016652589646208
BLCA	MTF2	cg15463775	-0.117426415184567	419	-2.40010079946145	0.0168334628648346	0.0137889629830984	0.0637526123415093
BLCA	MTF2	cg16813892	0.0690156171919303	419	1.40421226277714	0.161009025479946	0.00476315541638307	0.331133668740075
BLCA	MTF2	cg19708337	-0.0592160430956645	419	-1.20406730940677	0.229254855451309	0.00350653975990759	0.419301698796638
BLCA	MTF2	cg22801127	-0.0543198142961971	419	-1.10420206634115	0.270149962591742	0.00295064222517333	0.46619717656461
BLCA	MTF2	cg23992808	-0.0511403346078185	419	-1.03939549401385	0.29923042475186	0.00261533382379964	0.497542267020586
BLCA	MTF2	cg26054395	-0.07531142466234	419	-1.53300861438785	0.126041227841899	0.00567181068467131	0.28001663728118
BLCA	NAP1L2	cg02379437	-0.131026303589073	419	-2.66961665343791	0.00789700934769046	0.0171678923232159	0.0355706065192654
BLCA	NAP1L2	cg04297329	-0.0861845598506876	419	-1.7558888362134	0.0798504249191171	0.00742777835665676	0.202779094482199
BLCA	NAP1L2	cg07693661	-0.125797176509631	419	-2.56759571338647	0.0105942016366987	0.0158249296177952	0.0445832155212236
BLCA	NAP1L2	cg20001978	-0.149208012005951	419	-3.05543503471697	0.00239417746499745	0.022263030846768	0.0137465969231686
BLCA	NAP1L2	cg23483095	-0.142086505857854	419	-2.91360177358573	0.00376745915451233	0.0201885751468939	0.0197870454676028
BLCA	NCOA1	cg11380327	-0.186588329987117	419	-3.85503077882104	0.000134200706473634	0.0348152048873811	0.00123843532140094
BLCA	NCOA1	cg13911252	0.0412973335457081	419	0.838960035938521	0.401978239491579	0.00170546975798547	0.59851511820058
BLCA	NCOA1	cg15477048	0.251975676714453	419	5.28507825908396	2.04157736621036e-07	0.0634917416557065	4.12418773375665e-06
BLCA	NCOA1	cg23006163	-0.0811105664757819	419	-1.65180721119766	0.0993357621622891	0.00657892399402224	0.23711873542071
BLCA	NCOA3	cg04175879	-0.0659055709247821	419	-1.34065174434954	0.180772279603032	0.00434354427892148	0.357919083745343
BLCA	NCOA3	cg09568061	0.0364897783102315	419	0.741155196493681	0.459021566962462	0.00133150392112984	0.648926433457109
BLCA	NCOA3	cg12128876	0.149114364301391	419	3.06091215929671	0.0023510673770119	0.0222350936410078	0.0135490729333479
BLCA	NCOA3	cg14341558	0.0623534825131846	419	1.26810503503647	0.205476566448834	0.00388795678152202	0.389741161806228
BLCA	NCOA3	cg14774045	0.114503651206354	419	2.3395579564518	0.0197834358217294	0.0131110861395863	0.0722273287944123
BLCA	NCOA3	cg18295930	0.0170184740566917	419	0.345487330714195	0.729904361161766	0.000289628459218288	0.847318170415412

BLCA	NCOA3	cg21735648	0.193912570414324	419	4.01215067541758	7.14616559294404e-05	0.0376020849646901	0.00072207923904077
BLCA	NCOA3	cg22511723	-0.0117648678604774	419	-0.238817264560627	0.811366027223497	0.000138412115774493	0.898292328036671
BLCA	NCOA3	cg22876277	0.0187143700826869	419	0.379926761610598	0.704195551726788	0.000350227647591768	0.831141351362934
BLCA	NCOA3	cg24856420	0.168764143745062	419	3.47538733543257	0.000564284450049667	0.0284813362140039	0.00415110586356159
BLCA	NCOA3	cg25373408	0.124140165964785	419	2.5394133103315	0.0114705370995106	0.0154107808057644	0.0474698884519273
BLCA	NCOR1	cg00253204	0.0181394670533232	419	0.368251558125142	0.712874800008559	0.000329040264978599	0.836591610462752
BLCA	NCOR1	cg08125503	-0.0610239745376137	419	-1.24096418514089	0.215325112960593	0.00372392546836732	0.40236847151537
BLCA	NCOR1	cg08206308	-0.0531692059899379	419	-1.08074570840183	0.280442455081037	0.00282696446560045	0.477644759698999
BLCA	NCOR1	cg21211144	0.197899981941402	419	4.09797986633325	5.02061572565452e-05	0.0391644028524073	0.000531754635482052
BLCA	NCOR1	cg22291359	-0.0936518920397238	419	-1.90931723680884	0.0569155240383953	0.00877067688262008	0.158454220271371
BLCA	NCOR1	cg22625220	-0.0445656690084104	419	-0.90548392178818	0.365738282526654	0.00198609885416719	0.564584660201975
BLCA	NCOR2	cg08976554	-0.264062361264295	419	-5.55712739564043	4.93244485793579e-08	0.0697289306364749	1.15437609891172e-06
BLCA	NCOR2	cg10641483	0.0445293225037764	419	0.904743966774391	0.366129783927817	0.00198286056264532	0.56502083735133
BLCA	NCOR2	cg13416396	-0.0384612048341556	419	-0.781255249993946	0.435101070601594	0.00147926427729488	0.628472143161284
BLCA	NCOR2	cg13419087	0.0434739501055238	419	0.883259879476747	0.377610961787495	0.00188998433777757	0.576189458472361
BLCA	NCOR2	cg13857025	-0.183088387450522	419	-3.78018693723055	0.000179860223234604	0.0335213576192326	0.00158765984412944
BLCA	NCOR2	cg16181859	-0.217820524004757	419	-4.53004539415419	7.73446923901069e-06	0.0474457806777069	0.000104479128317346
BLCA	NCOR2	cg19895345	-0.0651455207539128	419	-1.32512451559083	0.185864264884322	0.00424393887429848	0.364678166471057
BLCA	NCOR2	cg23611643	-0.16316155308983	419	-3.35680108493015	0.000861731426076349	0.0266216924066853	0.00593095059366394
BLCA	NCOR2	cg24626542	-0.0354950549398985	419	-0.720925216951869	0.471364389372652	0.00125989892518641	0.659627312262025
BLCA	NCOR2	cg25113767	0.0609949131417732	419	1.24037099439498	0.215544110261247	0.00372037942917245	0.402651966997971
BLCA	NCOR2	cg25449924	-0.0266576485627367	419	-0.541283529686212	0.588604728249055	0.000710630226894379	0.752141169386361
BLCA	ORC1	cg00298020	-0.0962265352782221	419	-1.96229143704476	0.0504012331214795	0.00925954609165093	0.145133014859801
BLCA	ORC1	cg02275620	0.0919031784255374	419	1.87335893753554	0.0617265822702828	0.00844619420471616	0.168079922404709
BLCA	ORC1	cg04407474	0.0127557834552731	419	0.2589351927618	0.795814562205148	0.000162710011557818	0.888198838972216
BLCA	ORC1	cg07142859	-0.074988414688247	419	-1.5263962923202	0.127678485429234	0.00562326233745649	0.282578096599767
BLCA	ORC1	cg08613513	0.046396349022783	419	0.942758277880866	0.346357035794806	0.0021526212026439	0.545667171117705
BLCA	ORC1	cg10586599	0.0134935449070147	419	0.273913985862953	0.784287996301892	0.000182075754157623	0.881003759928425
BLCA	ORC1	cg13460942	0.0634897635042894	419	1.29130667499605	0.197321370678896	0.0040309500698306	0.379622581625137
BLCA	ORC1	cg16136434	0.0730821627563659	419	1.48738326710246	0.137678521772456	0.00534100251314796	0.297788609635678
BLCA	ORC1	cg16965475	-0.0724099519422467	419	-1.4736298471315	0.141344887562263	0.00524320114027848	0.303372586033462
BLCA	ORC1	cg17146111	-0.161780623666539	419	-3.32762363990407	0.000954573819775391	0.0261729701939342	0.00645740136831363
BLCA	ORC1	cg19776520	-0.0476336468750795	419	-0.967956186604481	0.333634113718955	0.00226896431461977	0.533225110275344
BLCA	ORC1	cg21197365	-0.0115843292734367	419	-0.235151982138454	0.814207605472426	0.000134196684715403	0.900052068393165
BLCA	ORC1	cg23606758	-0.0124853284486036	419	-0.253444243807336	0.800051361708777	0.000155883426469511	0.890862184140224
BLCA	ORC1	cg25605769	0.104382920277956	419	2.13037975562971	0.0337320757475313	0.0108957940457541	0.107719432728683
BLCA	PADI1	cg14524955	-0.261820107911761	419	-5.50645098991658	6.45460821471861e-08	0.0685497689069261	1.46778658712604e-06
BLCA	PADI1	cg21010178	0.0201948267074581	419	0.409993825486666	0.682023577844445	0.000407831025744264	0.816654757294874
BLCA	PADI1	cg22193702	-0.310122176165181	419	-6.62124166878325	1.11337134729521e-10	0.0961757641494273	4.41680829125362e-09
BLCA	PADI2	cg00569276	-0.0913861648368587	419	-1.86273109821007	0.0632115972160761	0.0083514311235895	0.171007198283051
BLCA	PADI2	cg01603374	0.0124538616813348	419	0.252805389191194	0.800544686320792	0.000155098670777818	0.891041639758483
BLCA	PADI2	cg07014827	-0.048120126035798	419	-0.977864684203614	0.328715078337939	0.00231554652970108	0.528392032486603
BLCA	PADI2	cg09313801	-0.010595250331228	419	-0.215072165700663	0.829817474833886	0.000112259329581387	0.908616013877552
BLCA	PADI2	cg10233913	-0.0202857569010582	419	-0.411840641598125	0.680670406742982	0.00041151193304883	0.815814528820674
BLCA	PADI2	cg15185794	0.00551124134145775	419	0.111867680462138	0.910982803068098	3.0373781123793e-05	0.952780078345478
BLCA	PADI2	cg17183414	0.0341745567349719	419	0.694073163722302	0.488027485612549	0.00116790032803181	0.67418908983259
BLCA	PADI2	cg18228326	0.00620496110776131	419	0.125949379542591	0.899833432470843	3.85015423488304e-05	0.947184115359405
BLCA	PADI2	cg18879300	0.132270484736213	419	2.70859626261983	0.00703844547192108	0.0174954811323528	0.0325344617064126
BLCA	PADI2	cg19282714	-0.0119670612164686	419	-0.242922208412377	0.808186553218431	0.000143210554158707	0.89616996395458
BLCA	PADI3	cg01459162	-0.319617868152505	419	-6.84666556877451	2.75577299101385e-11	0.102155581642352	1.20669750704243e-09
BLCA	PADI3	cg12858514	-0.578122255588351	417	-14.3465668669431	4.10465618740764e-38	0.334225342406562	1.58864489275219e-35
BLCA	PADI3	cg14664242	-0.326333759604527	419	-7.00747905575762	9.96039290732291e-12	0.106493722657625	4.72763151819572e-10
BLCA	PADI3	cg17589397	-0.213800904570156	419	-4.44240498746529	1.1445505230095e-05	0.0457108267950171	0.000147342649986764
BLCA	PADI3	cg18768338	-0.460121368282247	419	-10.5190970748148	4.41227858628838e-23	0.211711673549927	7.62775111870486e-21
BLCA	PADI3	cg21966975	-0.390530903877108	419	-8.61068788402597	1.55663593683152e-16	0.152514386883071	1.47679190329112e-14
BLCA	PADI4	cg16091981	-0.0690656118212371	419	-1.40523434197953	0.160705174146038	0.0047700587362418	0.330650577030333
BLCA	PADI4	cg18333690	-0.0876312131197179	419	-1.78558854439024	0.0749013329412752	0.00767922951283341	0.193699697321773

BLCA	PADI4	cg19159961	0.0461472102731735	41S	0.937685028927182	0.348955645631444	0.00212956501599649	0.548018723680809
BLCA	PADI4	cg21295838	-0.0644511829749765	41S	-1.31094176453175	0.190607650679255	0.00415395498687391	0.370898010879262
BLCA	PADI4	cg23228178	0.091561038119375	41S	1.86632565948496	0.062706051393559	0.00838342370149764	0.170053495158284
BLCA	PADI4	cg26918754	-0.0650330817609493	41S	-1.32282767249599	0.186626437442972	0.00422930172332632	0.365660337943011
BLCA	PADI6	cg12643633	0.0962179121429134	41S	1.96211394723719	0.0504219652400032	0.0092578866171414	0.145180673198973
BLCA	PADI6	cg16017904	0.0977248474665769	41S	1.9931379716798	0.0469054295688786	0.00955014581236572	0.137710557667981
BLCA	PARP1	cg00653565	0.00951406406518624	41S	0.193123149783783	0.846957689835327	9.05174150364681e-05	0.918240276629941
BLCA	PARP1	cg02088626	-0.114010942333964	41S	-2.32935797457742	0.0203227016610322	0.0129984949718785	0.0737177211530216
BLCA	PARP1	cg03149313	0.0914022284021468	41S	1.86306128130271	0.063165019077894	0.00835436735687821	0.170909787143783
BLCA	PARP1	cg04960271	0.111639696075288	41S	2.28029302125165	0.0231004309122801	0.0124634217397827	0.0812017045045375
BLCA	PARP1	cg07113065	-0.0282985471047686	41S	-0.574627901357094	0.565856601449388	0.000800807768240805	0.735045381139579
BLCA	PARP1	cg17661881	-0.0171783266963992	41S	-0.348733408346077	0.727467602707092	0.000295094908088221	0.845865251999036
BLCA	PARP1	cg25722198	-0.00963243000343359	41S	-0.195526046252561	0.845077541817873	9.27837077710476e-05	0.91721025570874
BLCA	PARP1	cg26464410	0.0326199028483611	41S	0.662464257767586	0.50804413676865	0.00106405806183652	0.690664772043072
BLCA	PARP2	cg01813761	-0.25419297052612	41S	-5.31532437398613	1.75440915311891e-07	0.0646140662648929	3.61160374855074e-06
BLCA	PARP2	cg10910545	-0.120279507802269	41S	-2.45926143842151	0.0143323970805056	0.0144671599971562	0.0563604024795016
BLCA	PARP2	cg15078479	-0.101475583516962	41S	-2.07041681671535	0.0390357373743702	0.0102972940501079	0.12032435824161
BLCA	PARP2	cg15365367	-0.185208867304559	41S	-3.82551395634774	0.000150715606276333	0.0343023245282379	0.00136716066635507
BLCA	PARP2	cg18899035	-0.0513711144728993	38S	-1.00141109731891	0.317267024335417	0.00263899140218773	0.516489231195711
BLCA	PARP2	cg19540080	-0.119252868480506	41S	-2.43796639794224	0.0151919813908156	0.0142212466408289	0.058965474246226
BLCA	PARP2	cg24595957	0.0240615905090008	41S	0.488538388520749	0.625428466852864	0.000578960137822839	0.778322791329578
BLCA	PARP2	cg26206608	-0.0631345643183808	41S	-1.28405335090491	0.199844901023296	0.00398597321167176	0.382764217697178
BLCA	PARP2	cg26430074	-0.102782417347678	41S	-2.09736313985041	0.0365702966368905	0.0105642253158322	0.114627892202356
BLCA	PAXIP1	cg02824291	0.0654237076180282	41S	1.33080738481724	0.183988421297553	0.00428026151848924	0.362322682422586
BLCA	PAXIP1	cg12220104	0.133143620565161	41S	2.72679768527712	0.00666832399850102	0.0177272236971996	0.0311714696033763
BLCA	PAXIP1	cg22583711	0.00377731646230723	41S	0.0766716973484147	0.938921938594157	1.42681196564172e-05	0.967373364911317
BLCA	PAXIP1	cg24448952	-0.124152355622527	41S	-2.53966656561052	0.0114623661894182	0.0154138074066225	0.0474436454024793
BLCA	PAXIP1	cg24452135	0.133593447243808	41S	2.73617730913569	0.0064845309617702	0.0178472091464841	0.0304863480775942
BLCA	PCGF1	cg03203239	0.0100369901906973	41S	0.203738912877481	0.838658125417801	0.000100741172088155	0.913684707290038
BLCA	PCGF1	cg08092637	-0.0178506872708722	41S	-0.362387120339954	0.717248577214481	0.00031864703604248	0.839365121484796
BLCA	PCGF1	cg27306986	-0.00913861948559222	41S	-0.185501462608092	0.852927021577408	8.35143661024459e-05	0.921640757793606
BLCA	PCGF2	cg09395368	0.00573824806951434	41S	0.116475632503153	0.907332350348689	3.29274909072851e-05	0.95094389344564
BLCA	PCGF2	cg17902383	0.0102939096473666	41S	0.208954616770923	0.834586937803355	0.000105964575828147	0.911367998869655
BLCA	PCGF2	cg20228512	-0.0664025832970422	41S	-1.35080658290012	0.177498800207507	0.00440930306852063	0.353824159876564
BLCA	PCGF2	cg25377665	0.0109778507423513	41S	0.222839461557425	0.823770888162462	0.000120513206921343	0.905160136071281
BLCA	PCGF5	cg03905463	-0.019779080685496	41S	-0.401550043556515	0.688223401866492	0.000391212032763361	0.820800281393116
BLCA	PCGF5	cg06001881	-0.0559617752508416	41S	-1.1376828267581	0.255914125109582	0.0031317202892257	0.450176000560213
BLCA	PCGF5	cg07421809	-0.147029508049118	41S	-3.01716327782233	0.00270977043981572	0.0216176762371655	0.0151875995385464
BLCA	PCGF5	cg07424295	0.0683688863972478	41S	1.39099159606879	0.164978713277035	0.00467430462719977	0.336833163285664
BLCA	PCGF5	cg08633154	-0.0613672741735133	41S	-1.24797173382777	0.212750198112218	0.00376594233948715	0.399033447901935
BLCA	PCGF5	cg11113644	-0.029469583857083	41S	-0.598427132438702	0.549883808092563	0.00086845637270965	0.722723871617849
BLCA	PCGF5	cg12783297	-0.127188557886015	41S	-2.6027841289909	0.00958063512777928	0.0161769292571241	0.0411867776928858
BLCA	PCGF5	cg15550435	-0.150977497562598	41S	-3.0962792100871	0.00209390398115317	0.0227942047702642	0.0123375873899742
BLCA	PCGF5	cg17001035	0.0847305861794631	41S	1.72605011519479	0.0850881056717807	0.00717927223431542	0.212170774074377
BLCA	PCGF5	cg20515900	-0.148678942682766	41S	-3.05177179061112	0.00242219132011685	0.0221054279972653	0.0138716100969648
BLCA	PCGF5	cg22968329	-0.124201280789252	41S	-2.54068305846506	0.0114296226837217	0.0154259581496907	0.0473383414288156
BLCA	PCGF5	cg23395902	-0.0546961508961071	41S	-1.11187503572617	0.2668402661626	0.00299166892284972	0.462563717098636
BLCA	PCGF5	cg25390656	-0.00246544900826317	41S	-0.050043301381058	0.96011213353084	6.07843881234585e-06	0.979105654296394
BLCA	PCGF6	cg01917164	-0.195128026186652	41S	-4.03829128232121	6.42189097568834e-05	0.0380749466034989	0.000660444221284342
BLCA	PCGF6	cg06691148	-0.0575644120787765	41S	-1.17037066757712	0.242528365307396	0.00331366153797519	0.434949782164312
BLCA	PCGF6	cg11612727	-0.0981538390599317	41S	-2.00197235555296	0.045942784266912	0.00963417612220298	0.135633295103038
BLCA	PCGF6	cg11814370	-0.0959734787308938	41S	-1.95708296491468	0.0510126108193745	0.00921090861970932	0.14641658227872
BLCA	PCGF6	cg14409890	-0.217810837363305	41S	-4.5298339061045	7.74184632969778e-06	0.0474415608729042	0.000104560623849394
BLCA	PCGF6	cg16113748	-0.0525382501430883	41S	-1.06788484993139	0.286197764676452	0.00276026772809772	0.4834741678843
BLCA	PCGF6	cg16382383	0.106121952193913	41S	2.16627305058095	0.0308631136745945	0.0112618687374471	0.100779258949018
BLCA	PCGF6	cg24418712	-0.0703769429242454	41S	-1.43204672922181	0.152888657274417	0.0049529140953625	0.319949970517189
BLCA	PCGF6	cg25481680	0.0421219539629686	41S	0.855741777370372	0.392638016411054	0.00177425900565844	0.589508351735245

BLCA	PCGF6	cg26155979	-0.00504667072414748	419	-0.102437532381389	0.918459232174727	2.54688853979672e-05	0.956976694729708
BLCA	PCGF6	cg27217148	0.0795558811818931	419	1.61994258044632	0.106009736213011	0.00632913823062749	0.24829927669706
BLCA	PHC1	cg02770112	-0.0146032590101194	419	-0.296445395323842	0.767039339108427	0.000213255173716632	0.870881496053606
BLCA	PHC1	cg08021945	-0.234895978741807	419	-4.90511009506238	1.34654425578208e-06	0.0551761208290712	2.22452885611194e-05
BLCA	PHC1	cg08867249	-0.0344900604027819	419	-0.700488528241992	0.484017650456946	0.00118956426658754	0.670769757122985
BLCA	PHC1	cg09059548	-0.122642003784007	419	-2.50829598311578	0.0125148466062522	0.0150410610921564	0.0508051963099089
BLCA	PHC1	cg09912793	-0.335318546717804	419	-7.22448614169225	2.4531764828376e-12	0.11243852777294	1.31163169282384e-10
BLCA	PHC1	cg12581035	-0.00566924123492768	419	-0.115074878384457	0.908441833642988	3.21402961798043e-05	0.951392318508467
BLCA	PHC1	cg14199415	-0.0537312995735263	419	-1.09220403086032	0.275381684510906	0.00288705255386002	0.471828858046773
BLCA	PHC2	cg06899053	-0.0445220397750803	419	-0.90459570283737	0.366208260159452	0.00198221202573383	0.565108313150267
BLCA	PHC2	cg13640100	0.134766593516293	419	2.76064744959928	0.00602637658456204	0.0181620347279857	0.0287723051441893
BLCA	PHC2	cg15586632	0.1474595610151	419	3.02618417646588	0.00263193763090147	0.021744322134766	0.0148315071393226
BLCA	PHC2	cg16558908	-0.145589376136552	419	-2.98696741189863	0.00298591296380522	0.0211962664438303	0.0163974384516633
BLCA	PHC2	cg17161743	0.115540683447924	419	2.36103216117672	0.0186889458102848	0.0133496495316135	0.0690857109899444
BLCA	PHC2	cg19746874	-0.0314945150806586	419	-0.63958611976445	0.52279717496274	0.000991904480165834	0.702475598021312
BLCA	PHC2	cg21198021	-0.0287547037974196	419	-0.583898184712406	0.559608348985938	0.000826832990477337	0.730349835035069
BLCA	PHC2	cg21578869	0.196714788193419	419	4.07244664191343	5.58017127482446e-05	0.0386967078939817	0.000583629798539518
BLCA	PHC2	cg23886755	-0.0648732808960785	419	-1.31956343366644	0.187713609312909	0.0042085425742215	0.367093829132439
BLCA	PHF1	cg01097444	-0.118314732048894	419	-2.41851406477782	0.0160166789756085	0.0139983758198016	0.0613370839927382
BLCA	PHF1	cg02776641	-0.213199395030242	419	-4.42931065283272	1.21291141941026e-05	0.0454539820412613	0.000155167293145209
BLCA	PHF1	cg03560363	-0.0760993734408824	419	-1.5491407172539	0.122115672225809	0.00579111463809488	0.273921357663695
BLCA	PHF1	cg03876174	-0.135056267802447	419	-2.76669145359546	0.00591781886175751	0.0182401954727262	0.0283706662064191
BLCA	PHF1	cg06618123	-0.0840698074038245	419	-1.71249317125809	0.0875582343749488	0.00706773251691615	0.216588415310243
BLCA	PHF1	cg06919790	-0.00063920458619786	419	-0.0129744387170282	0.989654466327381	4.08582503016388e-07	0.994436321090902
BLCA	PHF1	cg07857404	-0.0829338805921951	419	-1.68714186792625	0.092334820759351	0.00687802855008048	0.224942693957754
BLCA	PHF1	cg08665801	-0.211239143639057	419	-4.38667422186481	1.46365011510037e-05	0.044621975805362	0.000182502319368678
BLCA	PHF1	cg08798692	-0.0678427770347871	419	-1.38023800955146	0.168261808489618	0.00460264239579184	0.341365987636143
BLCA	PHF1	cg10033570	-0.068420064186425	419	-1.39203654267314	0.164662286826876	0.00468129727832709	0.336354845641476
BLCA	PHF1	cg10797813	-0.167325006203153	419	-3.44489351553174	0.000629912787425285	0.0279976577008853	0.00455803510231258
BLCA	PHF1	cg13303256	-0.053381744828447	419	-1.08507820782857	0.278521525569341	0.00284961068092943	0.475452110070687
BLCA	PHF1	cg13528777	-0.177427134172935	419	-3.65943835905296	0.00028560511167015	0.0314803879408208	0.00234494607464566
BLCA	PHF1	cg13547657	-0.123619936822646	419	-2.52860599051891	0.011824090272069	0.015281888780035	0.0486106328628837
BLCA	PHF1	cg18443095	-0.11571474141822	419	-2.36463720788802	0.0185105124884053	0.0133899013814855	0.0685684876207324
BLCA	PHF1	cg20135607	-0.00168066020774144	419	-0.0341137245914332	0.972802985053906	2.82461873388549e-06	0.985688331765356
BLCA	PHF1	cg20872639	-0.0991256233063177	419	-2.02198884672385	0.0438233148005121	0.009825889195866	0.130981671722416
BLCA	PHF1	cg23345642	-0.0365101743577708	419	-0.741570019738536	0.458770389006972	0.00133299283163483	0.648736387872331
BLCA	PHF1	cg23718418	-0.064587004903851	419	-1.31371595278174	0.189672861447033	0.00417148120245007	0.369653105816536
BLCA	PHF1	cg24796663	-0.101788127023398	419	-2.07686033179977	0.0384336520190353	0.0103608228029314	0.118845491699689
BLCA	PHF1	cg26673053	-0.163627969230146	419	-3.36666048903136	0.000832308168362166	0.0267741123143817	0.00576157516013226
BLCA	PHF10	cg04353997	-0.29424019094471	419	-6.24906006706017	1.03151815053603e-09	0.0865772899671791	3.40457882913875e-08
BLCA	PHF10	cg05243705	-0.0914012217116074	419	-1.86304058895443	0.063167937261491	0.008354183303744	0.170909787143783
BLCA	PHF10	cg05736120	-0.0283064204771113	419	-0.574787905575315	0.565748472669025	0.000801253440227023	0.734997458937947
BLCA	PHF10	cg07652237	-0.248633690239356	419	-5.21032963972862	2.98581985391075e-07	0.06181871192204	5.79680407051502e-06
BLCA	PHF10	cg11442717	-0.0719509036042387	419	-1.46423888839991	0.143891268188967	0.00517693252946645	0.30700960800561
BLCA	PHF10	cg15342139	-0.0785776192199894	419	-1.5998983617196	0.110387643797151	0.00617444224228164	0.255641115788152
BLCA	PHF10	cg15360169	-0.188843784621568	419	-3.90334247647052	0.000110806701012779	0.0356619749901973	0.00105302913493625
BLCA	PHF10	cg16740543	-0.0715865479321432	419	-1.45678576631975	0.145937211220396	0.00512463384484103	0.3099467473772
BLCA	PHF10	cg27124293	-0.165969419816039	419	-3.41619078166965	0.000698135965317714	0.0275458483140727	0.00497488222826109
BLCA	PHF11	cg00092518	-0.199306999937824	419	-4.12831625769257	4.42512161155905e-05	0.0397232802242158	0.000477326553868033
BLCA	PHF11	cg01214340	-0.172858513969904	419	-3.56226864984644	0.000410642406976425	0.0298800658518834	0.00317549854953519
BLCA	PHF11	cg02289189	-0.072596451075451	419	-1.47744541254061	0.14032027273866	0.00527024470875035	0.301840876467062
BLCA	PHF11	cg05080330	-0.0663825372263871	419	-1.35039698686013	0.177629972930132	0.00440664124861267	0.354022138040291
BLCA	PHF11	cg09997676	-0.208940032098779	419	-4.33673796617709	1.82048401088171e-05	0.0436559370134386	0.000220957385718648
BLCA	PHF11	cg16956501	-0.163579256475874	419	-3.36563065917128	0.000835337144829646	0.0267581731491997	0.00577842947224591
BLCA	PHF11	cg21320768	-0.280685082668313	419	-5.93590895721617	6.208060181073e-09	0.0787841156325177	1.76581292038901e-07
BLCA	PHF11	cg23137039	-0.0645407727780193	419	-1.31277164475927	0.18999067369854	0.00416551135078392	0.370039919626063
BLCA	PHF11	cg24481868	-0.1589291483168	419	-3.26743855995296	0.00117616495291473	0.0252584741847034	0.00768379042215724

BLCA	PHF11	cg24984523	-0.139150697106696	419	-2.85219909798524	0.00456039156392704	0.0193629165052795	0.023032597631899
BLCA	PHF11	cg25162948	-0.230606165052907	419	-4.81044914069876	2.11599445519781e-06	0.0531792033604086	3.31811474798747e-05
BLCA	PHF12	cg01406758	-0.0936681304400851	419	-1.90965122540681	0.0568723491999605	0.00877371866014079	0.158351021247735
BLCA	PHF12	cg02058367	-0.0648902691013623	419	-1.31991044545997	0.187597812837237	0.00421074702404722	0.366931945084857
BLCA	PHF12	cg06895197	0.139782145075122	419	2.86539934848805	0.00437812731175006	0.0195390480818026	0.0223163436043955
BLCA	PHF12	cg08657247	-0.266207343484825	419	-5.60569603858555	3.80457081059335e-08	0.0708663497252477	9.16892136429056e-07
BLCA	PHF12	cg08806622	-0.00945553377010052	419	-0.19193495421306	0.847887718154393	8.94071188775114e-05	0.918841470920135
BLCA	PHF12	cg13564075	0.0463042526081053	419	0.940882884570805	0.347316201582559	0.00214408380959522	0.546624786783338
BLCA	PHF14	cg06715026	-0.0571033899633369	419	-1.16096660933827	0.246327694029453	0.00326079714530492	0.43945366759912
BLCA	PHF14	cg07287563	-0.0902244837871236	419	-1.83885686727567	0.0666557581818638	0.00814045747465292	0.17783860525413
BLCA	PHF14	cg07574654	0.00845437563740053	419	0.171611216380426	0.863827445484909	7.14764674182716e-05	0.927685256478596
BLCA	PHF14	cg11931558	-0.0917979789765542	419	-1.87119631215787	0.0620263916649838	0.00842686894417989	0.168694279196462
BLCA	PHF14	cg13029706	-0.144999704389039	419	-2.97460912006012	0.00310618317472837	0.0210249142729086	0.016930036705305
BLCA	PHF14	cg16800461	-0.0633448882000072	419	-1.28834819802326	0.198347823817579	0.00401257486107141	0.380947305420682
BLCA	PHF14	cg20819769	0.121955096113425	419	2.49403451696043	0.0130210925866194	0.0148730454680348	0.0523901151633549
BLCA	PHF14	cg20964328	0.00945767445227417	419	0.1919784111448	0.847853699649145	8.94476060451994e-05	0.918837291000497
BLCA	PHF14	cg22876561	-0.145446099425386	419	-2.98396433185572	0.00301474002473917	0.0211545678380594	0.0165312388443335
BLCA	PHF14	cg23083824	-0.159117136451328	419	-3.27140375741657	0.00116021095889643	0.0253182631124706	0.00759829373522613
BLCA	PHF14	cg24491907	0.100303380301859	419	2.04625573386772	0.0413654646820201	0.0100607680999794	0.1254232747193
BLCA	PHF19	cg11054680	-0.169540698553682	419	-3.46633185693782	0.000583919869425812	0.0287440484660705	0.00427642319701486
BLCA	PHF19	cg11594303	-0.0941964948070973	419	-1.92051937243128	0.0554822739586352	0.0088729796339435	0.155555123809351
BLCA	PHF19	cg13501527	0.175597836241973	419	3.625050221591312	0.000330655628816371	0.0308346000928626	0.00265002139469596
BLCA	PHF19	cg13793166	-0.0860680733492595	321	-1.53567804223229	0.125617979221526	0.00740771325005351	0.279360940955358
BLCA	PHF19	cg13851767	0.193347232458542	419	3.99999859551229	7.50866847158794e-05	0.0373831522993776	0.000752550058076156
BLCA	PHF19	cg13852822	0.200754988226589	419	4.15956376401594	3.88236837731619e-05	0.0403025652978578	0.000426528690220217
BLCA	PHF19	cg14218513	-0.156362852250984	419	-3.21334442843028	0.00141513216705079	0.0244493415640632	0.00895977796073484
BLCA	PHF19	cg27207079	0.148938610885892	419	3.05722252553464	0.00237954329837371	0.0221827098126192	0.0136777147446198
BLCA	PHF20	cg01512265	-0.0795169349007325	419	-1.61914449619741	0.106181365923412	0.00632294293600732	0.248548871055122
BLCA	PHF20	cg02674305	-0.0922432794056698	419	-1.88035095692436	0.0607654909493279	0.00850882259551247	0.166175364815693
BLCA	PHF20	cg02957488	-0.187197887249513	419	-3.8680811921708	0.000127458139809769	0.0350430489906814	0.00118620391534408
BLCA	PHF20	cg04179482	0.106741269263988	419	2.17906047627009	0.0298930840215728	0.0113936985640873	0.0984006507161273
BLCA	PHF20	cg09692677	-0.109400455543684	419	-2.23128289977049	0.0262010782125484	0.0119684596731656	0.0892576054679887
BLCA	PHF20	cg10372813	-0.152263078886068	419	-3.12706452760821	0.00189084299222282	0.0231840451918651	0.0113640481873441
BLCA	PHF20	cg21765224	-0.043395956500055	419	-0.881672291602408	0.378468120462868	0.00188320904055467	0.577064050088592
BLCA	PHF20	cg23538717	0.0983262148639837	419	2.005522471859	0.045560674909082	0.00966804452947829	0.134822440711976
BLCA	PHF20	cg23734815	0.00853781337887828	419	0.173305000955236	0.862496804595098	7.28942572925529e-05	0.9268727401554
BLCA	PHF20	cg25561939	0.0640628906531826	419	1.30301122437129	0.193298691460472	0.00410405395884163	0.374294248216318
BLCA	PHF20	cg27405321	-0.114699133358711	419	-2.33505714877518	0.0200233547493961	0.0131558911932394	0.072881526195411
BLCA	PHF20L1	cg02898212	0.286679049250836	419	6.07389050975344	2.84045502254041e-09	0.0821848772793634	8.63165461029329e-08
BLCA	PHF20L1	cg05307234	-0.186961939626351	419	-3.86302908561452	0.000130029411256517	0.0349547668688473	0.00120580617705203
BLCA	PHF20L1	cg10591701	-0.233008903218682	419	-4.8634320901481	1.6444975594634e-06	0.0542931489791731	2.65705969767007e-05
BLCA	PHF20L1	cg17646969	-0.0319334380217356	419	-0.647721237189867	0.51752691087343	0.00101974446388803	0.698402179630342
BLCA	PHF20L1	cg24511731	0.0351340364877065	419	0.713583613105818	0.475888711050918	0.00123440051991949	0.663654208868047
BLCA	PHF20L1	cg26292018	0.272329445046692	419	5.74481462381317	1.79052837408404e-08	0.0741633266394393	4.64772653765413e-07
BLCA	PHF20L1	cg27342122	0.000670871192559444	419	0.0136172010391944	0.989141972714829	4.5006815700613e-07	0.994286077624878
BLCA	PHF21B	cg01775414	-0.0559267690281762	419	-1.13696892917198	0.256212106821268	0.00312780349393097	0.450496443315563
BLCA	PHF21B	cg01995480	-0.0569067609994138	419	-1.15695594368215	0.247960710078515	0.00323837944744441	0.441298313881979
BLCA	PHF21B	cg05064352	-0.0478710557986984	419	-0.972791591217426	0.331227670958513	0.00229163798328209	0.530886136373823
BLCA	PHF21B	cg10080155	-0.0353244545902113	419	-0.717455885048552	0.473499420038526	0.0012478170920959	0.66154034408234
BLCA	PHF21B	cg11428482	-0.032253713349406	419	-0.65501967651349	0.512820618857913	0.00104030202482565	0.694640966193445
BLCA	PHF21B	cg14786713	-0.0476874969166598	419	-0.969052957971216	0.333087291718664	0.00227409736217644	0.532734226397239
BLCA	PHF21B	cg15679813	-0.047327391570387	419	-0.961718802329693	0.336754957923796	0.00223988199285674	0.53637620444658
BLCA	PHF21B	cg20495645	-0.0466255363944355	419	-0.947425409668307	0.343977399241689	0.00217394064406883	0.54326118061848
BLCA	PHF21B	cg20525183	-0.04236096613662	419	-0.860606208567667	0.389955498588621	0.00179445145202787	0.587466799457836
BLCA	PHF21B	cg21715212	-0.0635337218045869	419	-1.29220435708765	0.197010689968339	0.00403653380634264	0.379231197490893
BLCA	PHF21B	cg23080354	-0.0448449882036649	419	-0.911170521343247	0.362738328007867	0.00201107296698684	0.561735649268526
BLCA	PHF21B	cg25561581	-0.0334366923843613	419	-0.679070441354608	0.497474522741031	0.00111801239760641	0.681851598402266

BLCA	PHF21B	cg25976257	-0.0449952089297481	419	-0.914228921329608	0.361131288175484	0.00202456882663169	0.560006526846804
BLCA	PHF23	cg00039960	0.0521471885320127	419	1.059914432903	0.289804496417778	0.00271932927179328	0.487270921464611
BLCA	PHF23	cg01441172	0.121711713528009	419	2.48898232095962	0.0132047462002432	0.0148137412099242	0.052959221833362
BLCA	PHF23	cg04379155	-0.162241053366763	419	-3.33734974775386	0.000922639063441537	0.0263221593975568	0.00627685031057026
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BLCA	PHF23	cg13351208	0.0848934942804192	419	1.72939278977421	0.0844878294881816	0.00720690537113957	0.211101532269266
BLCA	PHF23	cg22033559	-0.305925568378507	419	-6.5223206850631	2.03154332744234e-10	0.0935904533877124	7.63118694423222e-09
BLCA	PHF23	cg26213471	-0.176152403565068	419	-3.6323019321565	0.000316342840860714	0.0310296692817506	0.00255471555713884
BLCA	PHF23	cg26784276	0.123342210791075	419	2.52283733489741	0.0120167504035582	0.0152133009628299	0.0491938683836451
BLCA	PHIP	cg01492710	0.159684483522886	419	3.28337291530359	0.00111326224140759	0.0254991342779708	0.00733879525532261
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BLCA	PHIP	cg05801338	-0.147355166349971	419	-3.02399420680138	0.002650641962291	0.0217135450500277	0.0149153013247353
BLCA	PHIP	cg06848288	0.0613951696829571	419	1.24854116593077	0.212541945582254	0.00376936686039909	0.398796172659268
BLCA	PHIP	cg08287994	-0.266339659443654	419	-5.60869498187816	3.74384200665943e-08	0.0709368141925617	9.03376070304169e-07
BLCA	PHIP	cg08587415	-0.231938571935274	419	-4.83981858085846	1.84055443228762e-06	0.0537955011513742	2.93169720526993e-05
BLCA	PHIP	cg15564972	-0.00398279988684301	419	-0.0808426495477491	0.935606345120551	1.58626949386367e-05	0.96567107164873
BLCA	PHIP	cg19494004	-0.224435578785637	419	-4.67480396499197	3.99302398638518e-06	0.0503713290248438	5.83020472967059e-05
BLCA	PHIP	cg19950079	0.138470376778306	419	2.83798115370636	0.00476440131826383	0.0191740452451261	0.023864647231538
BLCA	PHIP	cg21607066	0.0677358973888131	419	1.37805354930147	0.168934704004495	0.00458815179506782	0.342230001723844
BLCA	PHIP	cg21875336	-0.111713519687021	419	-2.28181995273037	0.0230092336973355	0.0124799104808625	0.0809359887072943
BLCA	PHIP	cg26363168	-0.019873975637821	419	-0.403477337012645	0.686806420103169	0.000394974907652701	0.819721059305093
BLCA	PHRF1	cg06063517	-0.104646109899993	419	-2.13581066311914	0.0332838041060909	0.0109508083172015	0.106671114574613
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BLCA	PHRF1	cg12813709	-0.151368590997269	419	-3.10826212643105	0.00201239413809786	0.0229124503404984	0.0119573606257197
BLCA	PHRF1	cg15219216	0.0976377411922753	419	1.99134429686233	0.0471029448436186	0.00953312850512973	0.138130522133763
BLCA	PHRF1	cg16143007	-0.208531262301473	419	-4.32786746775791	1.89201225966203e-05	0.0434852873570456	0.00022830339960935
BLCA	PHRF1	cg18793109	-0.161043423993581	419	-3.31205569260443	0.00100783562244944	0.0259349844115763	0.00675776283510011
BLCA	PHRF1	cg20152424	0.0612209451264865	419	1.24498476143858	0.213845015369783	0.00374800412218027	0.400429874249053
BLCA	PHRF1	cg21006161	-0.203635681978338	419	-4.2218136920568	2.98420837301319e-05	0.041467490974783	0.00033950498123748
BLCA	PPARGC	cg04893087	0.0874436407917232	419	1.78173705708222	0.0755285894410692	0.00764639031491192	0.194857413856981
BLCA	PPARGC	cg05158538	-0.0538635510193816	419	-1.09490013802043	0.274200048794311	0.00290128212841752	0.470683481284664
BLCA	PPARGC	cg11270806	-0.0437913766948642	419	-0.889721379038445	0.374134720744526	0.0019176846728315	0.572772536959552
BLCA	PPARGC	cg12691631	-0.151751070575086	419	-3.11630100141329	0.00195957060944386	0.0230283874206848	0.0116957830283164
BLCA	PPARGC	cg20723350	-0.044017101871127	419	-0.894316379199279	0.371674771801724	0.00193750525713317	0.570279660242263
BLCA	PPARGC	cg27461259	-0.0229654500056324	419	-0.466270698274158	0.641268177233815	0.000527411893961199	0.789267819017475
BLCA	PPARGC	cg27514608	-0.0461160996956998	419	-0.937051532003446	0.349281004881158	0.00212669465114372	0.548297243451476
BLCA	PRDM1	cg00555933	-0.0631946157878129	419	-1.2852795939169	0.199416620804421	0.00399355946456929	0.382179163353841
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BLCA	PRDM1	cg08742502	0.256609209761261	419	5.38904909240412	1.19441787060212e-07	0.065848286534299	2.55130543178531e-06
BLCA	PRDM1	cg14359052	0.274760835399538	419	5.80027327716565	1.32041170064222e-08	0.0754935166694521	3.51781191232058e-07
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BLCA	PRDM1	cg17521665	0.299732826477309	419	6.37711118606433	4.84980858170091e-10	0.0898397672680765	1.69186551033561e-08
BLCA	PRDM1	cg17965230	0.00683813777774112	419	0.138802282871123	0.889674208686969	4.67601282673702e-05	0.941510125344532
BLCA	PRDM1	cg19464016	0.0264369130904674	419	0.53679834829704	0.591696660849014	0.000698910373752929	0.754238968917861
BLCA	PRDM1	cg22186515	0.0773732357492578	419	1.57522737944506	0.115971500057713	0.00598661761031022	0.264447381741404
BLCA	PRDM1	cg22196848	-0.0459501962399284	419	-0.933673327436266	0.351019287980019	0.00211142053448793	0.549974017262514
BLCA	PRDM1	cg24040346	0.0710121502001495	419	1.4450372924189	0.149207541966162	0.00504272547604859	0.314641823743342
BLCA	PRDM1	cg24793124	0.0383198288351642	419	0.777434065967462	0.437349973610615	0.00146840928195628	0.630222721577153
BLCA	PRDM1	cg24874254	0.254934124906095	419	5.35141683068881	1.45159715307611e-07	0.0649914080416364	3.03726597435188e-06
BLCA	PRDM1	cg26351406	-0.0531630780591625	419	-1.08062079574192	0.280497972078131	0.00282631286872461	0.477683484158537
BLCA	PRDM10	cg04181189	-0.0713286561741295	419	-1.45151078433785	0.147398690454135	0.00508777719160718	0.312121882660705
BLCA	PRDM10	cg17627813	0.192498172712606	419	3.98175561661629	8.0857930710258e-05	0.0370555464976922	0.000801685486696494
BLCA	PRDM12	cg09191327	0.0660108372281627	419	1.34280243650377	0.180075261039804	0.00435743063156299	0.357141084615991
BLCA	PRDM12	cg12539975	0.0036287674365177	419	0.0736564194100465	0.941319523234183	1.31679531083312e-05	0.968727408496554

BLCA	PRDM12	cg13795948	0.162436218529389	419	3.34147308797457	0.000909402724832097	0.0263855250901275	0.00620307545599195
BLCA	PRDM12	cg13928649	0.072289116705153	419	1.47115777518772	0.142011800937951	0.00522571639401123	0.304259599068217
BLCA	PRDM12	cg23342516	0.0274418341856135	419	0.557218246296135	0.577680909786916	0.000753054263470708	0.744164740784291
BLCA	PRDM13	cg00126261	0.310639143127798	419	6.63345688226795	1.03318560168701e-10	0.0964966772431725	4.12605958406771e-09
BLCA	PRDM13	cg00579292	0.141197221754701	419	2.89499412205792	0.00399334268196161	0.0199366554312462	0.0207174458553199
BLCA	PRDM13	cg01422797	0.194428936591392	419	4.02325372372247	6.82953546293509e-05	0.0378026113840597	0.000694869058074251
BLCA	PRDM13	cg01815538	-0.0431940896676439	419	-0.877563294591757	0.380692196632556	0.00186572938221646	0.579073748994644
BLCA	PRDM13	cg02400433	-0.00192218794852601	419	-0.039016226193405	0.968896350267463	3.69480650945865e-06	0.983665109397685
BLCA	PRDM13	cg03120185	0.1483408894124	419	3.04467662983658	0.00247875763629566	0.022005019471662	0.0141403880294775
BLCA	PRDM13	cg04910970	0.123512181523382	419	2.526367730448	0.0118985142856169	0.0152552589846648	0.0488306087959105
BLCA	PRDM13	cg11809464	0.0844443555918899	419	1.72017735183372	0.0861511139208561	0.00713084919132955	0.214115835160509
BLCA	PRDM13	cg13738144	-0.0425549123985301	419	-0.864553556625797	0.387786952354861	0.00181092056924657	0.585697054215816
BLCA	PRDM13	cg14344102	0.0232883888965768	419	0.472830904361431	0.63658420985122	0.000542349057398204	0.786107783246279
BLCA	PRDM13	cg17879189	0.0550023020978125	419	1.11811737483232	0.264168396587105	0.00302525323605903	0.459685864181481
BLCA	PRDM13	cg17978124	0.219036583930711	419	4.55660676964905	6.85969020339682e-06	0.0479770251000354	9.38685557929731e-05
BLCA	PRDM13	cg25273233	-0.00223622307494663	419	-0.0453904844980763	0.963818057292878	5.00069364092375e-06	0.980956279375411
BLCA	PRDM13	cg25924096	0.0714007636116615	419	1.45298565823627	0.14698893761177	0.00509806904432837	0.31148571796204
BLCA	PRDM13	cg26507427	0.0481035618740177	419	0.977527297670239	0.32888179258557	0.00231395266496745	0.528590599832477
BLCA	PRDM14	cg00384539	0.065971220356548	419	1.341993020308	0.180337349440822	0.00435220191533222	0.357490861278538
BLCA	PRDM14	cg01295203	0.05283846991634	419	1.07400410933454	0.283449447237099	0.00279190390309997	0.480720869813885
BLCA	PRDM14	cg04838988	0.0333946216976879	419	0.678215067406492	0.498016071214112	0.00111520075833169	0.68229333152582
BLCA	PRDM14	cg09050331	-0.00202675263740976	419	-0.0411386699859568	0.967205274673718	4.10772625324742e-06	0.982775902722455
BLCA	PRDM14	cg10457247	0.0120095607959341	419	0.243785041662079	0.807518650158677	0.000144229550511238	0.895817612161596
BLCA	PRDM14	cg11229513	0.0531483246223326	419	1.08032005997524	0.280631663772835	0.00282474441016084	0.477837936691121
BLCA	PRDM14	cg13267264	0.0495892597560497	419	1.00779193072526	0.314145865227412	0.00245909468315297	0.513217433168807
BLCA	PRDM14	cg18035229	0.0643413521003697	419	1.30869850192191	0.191366025355059	0.00413980959010375	0.371850351650821
BLCA	PRDM14	cg21255438	0.077717697730686	419	1.58228273735134	0.11435235658994	0.00604004054055827	0.26192995991396
BLCA	PRDM14	cg27029821	0.0916010890318239	419	1.86714893986408	0.0625907371914879	0.00839075951181614	0.169799965444086
BLCA	PRDM4	cg00090609	-0.0225536826568221	419	-0.457906235431162	0.647261208814775	0.000508668601384636	0.793248554256449
BLCA	PRDM4	cg03909902	-0.153540759764811	419	-3.15010549846768	0.00175142305251477	0.0235747649091555	0.0106720611692123
BLCA	PRDM4	cg12900929	-0.0296825182173241	419	-0.602754905218556	0.547003374169967	0.000881051887721779	0.720503919223481
BLCA	PRDM4	cg18440127	-0.233627610028997	419	-4.87709043612899	1.54046113723179e-06	0.0545818601678611	2.50394136460112e-05
BLCA	PRDM4	cg25995916	-0.0487564154446116	419	-0.990825536941816	0.322352321272807	0.00237718804700756	0.521766086186385
BLCA	PRDM4	cg27140793	0.0819345722025317	419	1.66870083281458	0.0959363823809489	0.00671327412201188	0.231175657630515
BLCA	PRDM5	cg05713693	-0.305391391014756	419	-6.50975951718686	2.19167087432749e-10	0.0932639017059273	8.18334721241209e-09
BLCA	PRDM5	cg06329345	-0.333512676424897	419	-7.18069420774039	3.2632088632939e-12	0.111230705336098	1.70032197127318e-10
BLCA	PRDM5	cg07070341	-0.406931064875839	419	-9.04233213867811	6.07350417561459e-18	0.165592891560984	6.66406465215461e-16
BLCA	PRDM5	cg10416963	-0.385980578459853	419	-8.49267362280319	3.70978831245184e-16	0.148981006948202	3.31342447736944e-14
BLCA	PRDM5	cg11171429	-0.257593872019021	419	-5.41119463122751	1.0643741232607e-07	0.0663546029017518	2.30005334847063e-06
BLCA	PRDM5	cg13155001	-0.438313723607447	419	-9.89828508661173	7.27293804940796e-21	0.192118920302625	1.03814851856081e-18
BLCA	PRDM5	cg18181323	-0.406023713334756	419	-9.01818480069513	7.30190155861841e-18	0.164855255790144	7.91147813163176e-16
BLCA	PRDM5	cg19294653	-0.406136907885212	419	-9.02119549980276	7.13624106520425e-18	0.164947187946561	7.7753044457493e-16
BLCA	PRDM5	cg22135105	-0.443753693735745	419	-10.0510275843252	2.10629387765585e-21	0.196917340704117	3.14504848211822e-19
BLCA	PRDM8	cg01304890	-0.0378190300742512	419	-0.768192031696989	0.442813179690645	0.00143027903575712	0.635128558012072
BLCA	PRDM8	cg02895669	-0.0260100278040364	419	-0.528124577628688	0.597697206506592	0.000676521546366747	0.758457817192298
BLCA	PRDM8	cg04343891	-0.072619827228831	419	-1.47792367369077	0.140192248066395	0.00527363930674526	0.301648893543829
BLCA	PRDM8	cg05007549	0.276187427378965	419	5.83286897086067	1.10279419783151e-08	0.0762794950422111	2.99131003577769e-07
BLCA	PRDM8	cg07462804	-0.0524187642610496	419	-1.0654494979198	0.287296553989464	0.00274772684665549	0.484793460610307
BLCA	PRDM8	cg08074201	-0.142075211297244	419	-2.91336539771988	0.00377025396670316	0.0201853656651565	0.0197968091727669
BLCA	PRDM8	cg10695325	-0.0768109044554267	419	-1.56371078510789	0.118653248498779	0.00589991504326068	0.268688094944227
BLCA	PRDM8	cg11571772	-0.0656375038236817	419	-1.33517507764855	0.182556290879752	0.00430828190820382	0.360369055106687
BLCA	PRDM8	cg12572049	-0.0669664383926404	419	-1.36232835928053	0.17383856201966	0.00448450387099531	0.348915015706221
BLCA	PRDM8	cg14489346	-0.061931200870891	419	-1.25948376311982	0.208568688364717	0.00383547364131064	0.393762863239451
BLCA	PRDM8	cg15656813	-0.121047054770186	419	-2.47518748849553	0.0137179643469149	0.0146523894685363	0.0540589037901675
BLCA	PRDM8	cg16117799	-0.0353780869625514	419	-0.718546547193486	0.472827650654635	0.00125160903712985	0.660913740994101
BLCA	PRDM8	cg18624348	-0.0553430154778122	419	-1.12506479925034	0.261216570293874	0.00306284936217736	0.456571444896235
BLCA	PRDM8	cg19595012	-0.157742323381916	419	-3.24241348746484	0.00128163978902101	0.0248826405859248	0.00825171444722973

BLCA	PRDM8	cg20142271	-0.174110727001349	419	-3.58887800906574	0.000372072091699782	0.0303145452569383	0.00292580373008115
BLCA	PRDM8	cg26162932	-0.130787766565189	419	-2.67770214063836	0.00770924140894451	0.0171054398831104	0.0349380646934972
BLCA	PRKAA1	cg00301775	-0.263283950712412	419	-5.53952388526449	5.41670864117206e-08	0.0693184387027356	1.25375612029556e-06
BLCA	PRKAA1	cg01883943	-0.234274968459926	419	-4.89138799338444	1.43836794383449e-06	0.0548847608468994	2.35571359626654e-05
BLCA	PRKAA1	cg03125217	0.102331773980826	419	2.08806984475801	0.0374051037305876	0.0104717919660629	0.116572896387202
BLCA	PRKAA1	cg05874655	0.0948121784460201	419	1.93318569227782	0.0538981763691022	0.00898934918167997	0.152421197879165
BLCA	PRKAA1	cg06971720	-0.0511029648450226	419	-1.03863398741574	0.299584150680221	0.00261151301595161	0.497854062415635
BLCA	PRKAA1	cg10786880	-0.0650829653054454	419	-1.32384666038426	0.186288016237251	0.00423579237294981	0.36523324517152
BLCA	PRKAA1	cg24728477	0.0837371989251412	419	1.70567003307699	0.0888232261385616	0.00701191848382867	0.218833768860692
BLCA	PRKCD	cg02121118	0.000203310233667658	419	0.00412674711642289	0.996709338922177	4.13350511139975e-08	0.998316892964834
BLCA	PRKCD	cg02559423	-0.0761508459473976	419	-1.55019464304435	0.121862587524365	0.00579895133850428	0.27360611082197
BLCA	PRKCD	cg02630105	0.106353046078834	419	2.17104429106461	0.0304980499792426	0.0113109704102465	0.0999235895801379
BLCA	PRKCD	cg10531918	-0.45433453536918	419	-10.352112084346	1.77259736068683e-22	0.206419870029129	2.89700502263176e-20
BLCA	PRKCD	cg13469346	-0.0588588351319958	419	-1.19677870698027	0.232081013754973	0.00346436247309546	0.422708629691948
BLCA	PRKCD	cg13889007	-0.316482714458117	419	-6.77198942600873	4.39375301467527e-11	0.100161308550778	1.85563312716421e-09
BLCA	PRKCD	cg13908523	-0.0283015221409061	419	-0.574688360612872	0.565815742696016	0.0008009761554922	0.735014358736497
BLCA	PRKCD	cg14727059	0.0487438212403169	419	0.990568898498378	0.322477478746068	0.00237596010910797	0.521859148393485
BLCA	PRKCD	cg21903826	-0.00754574890677147	419	-0.153166335443959	0.878342092221159	5.69383265640429e-05	0.935408422792357
BLCA	PRMT1	cg07702240	0.1293759330083	419	2.64830197415138	0.00840043401982447	0.016738132041768	0.0373131988202709
BLCA	PRMT1	cg08377944	0.0572780237500225	419	1.16452875023571	0.24488365893552	0.00328077200470814	0.437811409485823
BLCA	PRMT1	cg11787855	0.0613139326671554	419	1.24688287978694	0.213148825145182	0.00375939833911247	0.399568657156661
BLCA	PRMT1	cg14258555	0.0432949995836748	419	0.879617301259042	0.379579419391877	0.0018744569889504	0.578081896442349
BLCA	PRMT1	cg14576628	-0.106353909199357	419	-2.17106211200177	0.0304966934475246	0.011311154001985	0.0999235895801379
BLCA	PRMT1	cg18880319	-0.12345504415499	419	-2.52518092735649	0.0119381453601354	0.0152411479273105	0.0489467734872125
BLCA	PRMT1	cg22292364	0.0828559865670775	419	1.68759559114429	0.0922457155921062	0.00686511451000372	0.224753772394134
BLCA	PRMT1	cg24228123	-0.0837291810454558	419	-1.70550556119996	0.0888539002662196	0.00701057575854272	0.218875283154754
BLCA	PRMT1	cg25595446	-0.174256479010392	419	-3.59197638342184	0.000367808832004142	0.0303653204770991	0.00289813838518487
BLCA	PRMT1	cg26846726	0.0807274119069808	419	1.64395300650692	0.100948722282086	0.00651691503319934	0.239858431361676
BLCA	PRMT2	cg04493422	0.11402884502298	419	2.32972856270394	0.0203028858727121	0.0130025774972749	0.0736542950746953
BLCA	PRMT2	cg06725035	-0.234494993743316	419	-4.89624903781618	1.40516883789377e-06	0.0549879020906779	2.30814409998116e-05
BLCA	PRMT2	cg09031657	-0.100880138089866	419	-2.05814260121166	0.0402049091293377	0.0101768022610304	0.122918009580179
BLCA	PRMT2	cg10187059	-0.111649247142413	419	-2.28049056869912	0.023088614516498	0.0124655543874676	0.081171171262493
BLCA	PRMT2	cg10657630	-0.114055024917064	419	-2.3302704942546	0.0202739386067089	0.013008548708832	0.0735835952211585
BLCA	PRMT2	cg12162201	-0.14134453222972	419	-2.89807599584486	0.00395509809387993	0.0199782767912385	0.0205867711099624
BLCA	PRMT2	cg13271076	0.117227255114927	419	2.39597336058332	0.0170215071459035	0.0137422293417802	0.0643104129276401
BLCA	PRMT2	cg17243659	-0.126982622213298	419	-2.5985007416077	0.00969899742144175	0.0161245863441651	0.0416036504964512
BLCA	PRMT2	cg23283320	-0.220875051576874	419	-4.59680527304422	5.71396977970306e-06	0.0487857884090866	8.01212265757425e-05
BLCA	PRMT3	cg01769160	-0.107527481580776	419	-2.19529758988989	0.0286993648401312	0.0115621592951041	0.0955057701318888
BLCA	PRMT3	cg04101203	-0.151619636841476	419	-3.11353839357002	0.00197757792495761	0.0229885142759412	0.0117860796057728
BLCA	PRMT3	cg06578097	-0.178444398154329	419	-3.6811074803153	0.000263100792895885	0.0318424032326607	0.00218601549530519
BLCA	PRMT3	cg13432154	-0.0843506149387276	419	-1.71825411235221	0.0865015641537269	0.0071150262405415	0.214774118529779
BLCA	PRMT3	cg13982511	-0.12149180549725	419	-2.48441780750295	0.0133726446212962	0.0147602588029817	0.0534727070505841
BLCA	PRMT3	cg19653624	-0.19733233500711	419	-4.08574843744302	5.2816548149034e-05	0.0389400504393585	0.000555996014439235
BLCA	PRMT3	cg23019633	-0.194701171662867	419	-4.02910879619683	6.66797538005737e-05	0.0379085462468932	0.00068146147755673
BLCA	PRMT3	cg23071995	-0.0518976688589642	419	-1.05482910674664	0.292121664415002	0.0026933680329947	0.489867880355664
BLCA	PRMT6	cg00944433	-0.281743435961231	419	-5.96021686292686	5.41480618109799e-09	0.0793793637072403	1.55899123631509e-07
BLCA	PRMT6	cg02990361	-0.334871501024526	419	-7.21363706191634	2.63317646897393e-12	0.112138922198419	1.39921673652567e-10
BLCA	PRMT6	cg02993280	-0.266897956190448	419	-5.62135254726207	3.49775759415151e-08	0.0712345190186384	8.4688625670533e-07
BLCA	PRMT6	cg09367891	-0.255914563039651	419	-5.3734369572071	1.29523646895556e-07	0.0654922635757755	2.74704541619217e-06
BLCA	PRMT6	cg14671364	-0.270622069943555	419	-5.70594148108911	2.2135545698354e-08	0.0732363047405343	5.64594308871395e-07
BLCA	PRMT6	cg14828511	-0.20776799246645	419	-4.3113104935181	2.03276970999524e-05	0.0431675386935388	0.000242951738852926
BLCA	PRMT6	cg22528358	-0.0663071570435463	419	-1.3488567782913	0.178123871588523	0.00439663907519751	0.354717851999375
BLCA	PRMT7	cg00894222	-0.240893431794183	419	-5.03796271680186	7.0542790051013e-07	0.0580296454815788	1.25349607337334e-05
BLCA	PRMT7	cg02477175	-0.0736602088799505	419	-1.49921170842263	0.13458455247133	0.00542582637223794	0.293052052368086
BLCA	PRMT7	cg06089844	-0.128441268235065	419	-2.62884744278043	0.00888788832527083	0.0164971593858319	0.0389644623486119
BLCA	PRMT7	cg06092312	0.0121914257331572	419	0.247477307645514	0.804662132361131	0.000148630861407087	0.893795846777398
BLCA	PRMT7	cg06745885	-0.156590264313297	419	-3.21813526242388	0.00139228089996747	0.0245205108777082	0.00884822321150799

BLCA	PRMT7	cg09175928	-0.177914211898505	419	-3.66981226805911	0.000274614502279879	0.0316534667954662	0.00226859515666995
BLCA	PRMT7	cg09779635	-0.0469948542522596	419	-0.954946450127887	0.340164735936085	0.00220851632619112	0.53941814724228
BLCA	PRMT7	cg10233539	0.0973848376967588	419	1.98613682079814	0.0476803625254696	0.00948380661322404	0.139395989067845
BLCA	PRMT7	cg10446007	-0.140386915585523	419	-2.87804525638302	0.00420975813197285	0.0197084860676167	0.0216267532271476
BLCA	PRMT7	cg11893236	-0.00469009835883205	419	-0.0951996464069525	0.924202535327257	2.19970226155191e-05	0.960116350285809
BLCA	PRMT7	cg19328639	0.0912363503003151	419	1.85965176355222	0.0636473648882489	0.0083240716161218	0.171834861707215
BLCA	PRMT7	cg21918026	0.122357594406253	419	2.50239067883598	0.0127223088245304	0.014971380908885	0.0514969193348
BLCA	PRMT7	cg26492318	-0.1522245192876	419	-3.12625383151736	0.00189594105828246	0.0231723042723409	0.0113894083928977
BLCA	PRMT7	cg26561196	0.071684052256712	419	1.4587802204037	0.145387539811478	0.00513860334794301	0.30925213332497
BLCA	PRMT7	cg26796563	0.113600988672193	419	2.320872505697	0.02078108580577	0.0129051846272996	0.0749834781620627
BLCA	PRMT8	cg01693063	-0.0933071438441043	419	-1.90222687811799	0.0578385747502776	0.00870622309234437	0.160242078858593
BLCA	PRMT8	cg06029846	-0.0490721021314522	419	-0.997256342682972	0.319225437951741	0.00240807120759967	0.518609334416806
BLCA	PRMT8	cg07912789	-0.0712058271528274	419	-1.44899851199883	0.148098672689396	0.00507026982051832	0.313063122809309
BLCA	PRMT8	cg10350722	-0.0221620897445321	419	-0.449951803681531	0.652981838941444	0.000491158221844697	0.797357775767732
BLCA	PRMT8	cg11596580	-0.008768958101926	419	-0.177997253478265	0.858812616455285	7.68946261933337e-05	0.924994028417269
BLCA	PRMT8	cg19656577	-0.0542456885917003	419	-1.10269080412222	0.27080515417553	0.00294259473078772	0.466993619523213
BLCA	PRMT8	cg21667836	0.0121620684458881	419	0.246881287239333	0.805123066913101	0.000147915908882467	0.894180165426117
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BLCA	PRMT8	cg24100636	-0.11374932458209	419	-2.32394271319346	0.0206141996563726	0.0129389088428816	0.0745438129534628
BLCA	PRMT8	cg27316886	-0.111635060645256	419	-2.28019714555987	0.0231061676625531	0.01246238676527	0.0812182002141992
BLCA	PWWP2E	cg00259755	-0.0439211972931847	419	-0.892364070051734	0.372718714582558	0.00192907157166685	0.57134681830648
BLCA	PWWP2E	cg05010219	-0.0617865430007171	419	-1.25653059472378	0.20963562182719	0.00381757689597946	0.395105959017938
BLCA	PWWP2E	cg15012692	-0.0241540776170472	419	-0.490417309554794	0.624099702713656	0.000583419465530342	0.777365220186951
BLCA	PWWP2E	cg15278699	-0.45392289473127	419	-10.3402972611397	1.95494290532854e-22	0.206045994361216	3.18831925318928e-20
BLCA	PWWP2E	cg19919881	-0.214807302451774	419	-4.46432523590866	1.03829759576939e-05	0.0461421771866079	0.000135502974610441
BLCA	PWWP2E	cg22633292	-0.0300455636385577	419	-0.609392888295684	0.542600767573376	0.000902735894358623	0.717168169367005
BLCA	PWWP2E	cg22664157	-0.0425993184277835	419	-0.865457357092148	0.387291473184544	0.00181470193051169	0.585210651711078
BLCA	PWWP2E	cg24520806	-0.0504327512561491	419	-1.02497737326418	0.305975280676899	0.00254346239926461	0.504489330898527
BLCA	PYGO1	cg06364757	-0.369351135700314	419	-8.06746007155824	7.9192990177426e-15	0.136420261443112	5.9754990085962e-13
BLCA	PYGO1	cg09275667	-0.328520708740608	419	-7.06010049883829	7.11187033583635e-12	0.107925856071431	3.47525653835461e-10
BLCA	PYGO1	cg11480800	-0.359261347568915	419	-7.81388755346267	4.66322744656466e-14	0.129068715857033	3.21605599271322e-12
BLCA	PYGO1	cg12686317	-0.239607917926661	419	-5.00943573626271	8.11444045118593e-07	0.0574119543331497	1.42088724324618e-05
BLCA	PYGO1	cg13878116	-0.0297854718135499	419	-0.604847409383788	0.545613360355397	0.000887174331155775	0.719438722592084
BLCA	PYGO1	cg17841803	-0.337642278565957	419	-7.28096821638243	1.69465583517194e-12	0.114002308275211	9.29718307767038e-11
BLCA	PYGO1	cg19850348	-0.286671631712728	419	-6.0737192820345	2.84323735553379e-09	0.0821806244288377	8.63660543795419e-08
BLCA	PYGO1	cg22510134	0.0798997239060705	419	1.62698890389055	0.104503973467132	0.0063839658802663	0.245822103660046
BLCA	PYGO1	cg23030278	-0.321454579587694	419	-6.89053024397152	2.0914961185766e-11	0.103333046737901	9.32946382159103e-10
BLCA	PYGO1	cg23412777	0.142799225986187	419	2.9285201421323	0.00359484697321888	0.020391618942254	0.0190294426307429
BLCA	PYGO1	cg25902187	-0.299913801525938	419	-6.38134205294226	4.72941375960265e-10	0.0899482883457399	1.65431660977756e-08
BLCA	PYGO2	cg01277844	0.00633976167981682	419	0.128685693804865	0.897669149728893	4.01925781568738e-05	0.945879443263507
BLCA	PYGO2	cg02341811	-0.194108370111241	419	-4.0163604061991	7.02450881718117e-05	0.0376780593472424	0.00071200604420038
BLCA	PYGO2	cg04602755	-0.226807834277448	419	-4.72688097660961	3.13465145878837e-06	0.0514417936896262	4.70040623718162e-05
BLCA	PYGO2	cg10892866	-0.04956487450282	419	-1.00729513366402	0.314384183084275	0.0024566767844803	0.513416948627518
BLCA	PYGO2	cg14024356	0.0859818021046892	419	1.75172712991426	0.08056476272817	0.00739287029316994	0.204032005718968
BLCA	PYGO2	cg18188585	-0.201979084952585	419	-4.18600185131924	3.47326562265637e-05	0.0407955507582835	0.000387271357100372
BLCA	PYGO2	cg24683561	-0.137440975219109	419	-2.81647557768444	0.00508876237501517	0.0188900216691796	0.025138124219071
BLCA	PYGO2	cg27105205	-0.0947835927211231	419	-1.93259755520821	0.0539708829726238	0.00898392944912373	0.152560258347164
BLCA	RBBP4	cg05797186	-0.0768832317666433	419	-1.56519197044386	0.118305630231794	0.00591103132688338	0.268124805853148
BLCA	RBBP4	cg06526778	-0.039175730828345	419	-0.795791388399643	0.426611552526268	0.00153473788593494	0.621174357326916
BLCA	RBBP4	cg09036220	0.0451484402679667	419	0.917348679520884	0.359496632519416	0.00203838165863016	0.558439313622387
BLCA	RBBP4	cg11229946	0.0786639484617747	419	1.60166702736904	0.109995668843334	0.00618801678759675	0.254991449490385
BLCA	RBBP4	cg13641837	-0.0693239198807776	419	-1.40880247438119	0.159649655784685	0.00480580586763647	0.329280060504634
BLCA	RBBP4	cg16148416	0.043564727012083	419	0.885107696416664	0.376614815567018	0.00189788543963732	0.575125456926735
BLCA	RBBP4	cg16396527	-0.147811126641259	419	-3.03356000818593	0.00256982849971843	0.0218481291589582	0.0145494200397709
BLCA	RBBP4	cg18758482	-0.102727903167664	419	-2.09623886372019	0.0366704345734503	0.0105530220892249	0.114807621829
BLCA	RBBP4	cg20740619	0.102942906330009	419	2.1006731039559	0.0362768386184815	0.0105972419636689	0.113914603353764
BLCA	RBBP4	cg22358606	0.0760317594742893	419	1.54587681958453	0.122903932541636	0.00578082844875618	0.275221316296603

BLCA	RBBP4	cg22857567	0.0488197709229406	419	0.992116117870743	0.321723192320346	0.0023833700329684	0.521202291198854
BLCA	RBBP4	cg23016766	0.000785301561926656	419	0.0159398857108353	0.987290065821164	6.16698543164446e-07	0.993269806321138
BLCA	RBBP4	cg26131911	0.0237807936395648	419	0.482833938875836	0.629470102040113	0.000565526146127568	0.781403541171069
BLCA	RBBP5	cg00960017	0.00455649403221087	419	0.0924876878027198	0.926355527743572	2.07616378655733e-05	0.961211395106017
BLCA	RBBP5	cg02189925	0.168932530565701	419	3.47895676687281	0.000557034815635485	0.0285381998833316	0.00410748497133146
BLCA	RBBP5	cg03143531	-0.159602033436285	419	-3.28163328253136	0.00111997461995077	0.025472809076997	0.007379292418434
BLCA	RBBP5	cg05290904	0.0437565263400405	419	0.889011956020443	0.374515411527775	0.00191463359734666	0.573197425178377
BLCA	RBBP5	cg07601985	0.249796811135131	419	5.23632192654196	2.61740600543604e-07	0.0623984468532801	5.15881638679735e-06
BLCA	RBBP5	cg07972983	0.115739621995643	419	2.36515254643621	0.0184851282070248	0.0133956600996943	0.068505033453503
BLCA	RBBP5	cg14717946	-0.0543196359539442	419	-1.10419843030776	0.270151537644711	0.00295062285016902	0.46619717656461
BLCA	RBBP5	cg18131828	-0.137580832756955	419	-2.81939684106781	0.00504355656313288	0.0189284855420973	0.0249529675493469
BLCA	RBBP5	cg21214746	-0.0491756005271511	419	-0.999364757962216	0.31820460369823	0.00241823968720594	0.517528201624438
BLCA	RBBP5	cg23227967	-0.0296876870303546	419	-0.602859959495475	0.546933546533457	0.000881358761212285	0.720459019574712
BLCA	RBBP5	cg24103461	0.0211634449238586	419	0.429667248261668	0.667662331761036	0.000447891401045195	0.807213045877971
BLCA	RBBP5	cg26795850	-0.122154270013098	419	-2.49816935785658	0.0128724769817876	0.0149216656824329	0.0519533838817734
BLCA	RBBP7	cg01947226	-0.0951834410224975	419	-1.94082467396719	0.0529612624882467	0.00905988744488326	0.150449824868018
BLCA	RBBP7	cg03048084	-0.0989696931892546	419	-2.01877665766252	0.0441577532137761	0.00979500016997519	0.131748418098968
BLCA	RBBP7	cg03171708	-0.0429192289949238	419	-0.871968681848568	0.38373331393966	0.00184206021751871	0.581924587703891
BLCA	RBBP7	cg03811055	-0.064677757083878	419	-1.31556962384834	0.189050141545739	0.00418321226140113	0.368808253163708
BLCA	RBBP7	cg07096248	-0.112671252992279	419	-2.30163271724224	0.0218540550028982	0.0126948112508502	0.0778868588462278
BLCA	RBBP7	cg08363715	-0.0490614007083095	419	-0.9970383407162	0.319331110826994	0.00240702103946131	0.518663226323326
BLCA	RBBP7	cg14719055	-0.123932123306123	419	-2.53509114564022	0.0116107875342033	0.0153591711871642	0.0479029880976831
BLCA	RBBP7	cg15289846	-0.0436793728661084	419	-0.88744141111232	0.375359052562682	0.00190788761397652	0.574006941175198
BLCA	RBBP7	cg15464143	-0.0733842673127198	419	-1.49356498298173	0.136054771845081	0.00538525068902471	0.295294615989628
BLCA	RBBP7	cg16978043	-0.0826858546071595	419	-1.68410649516069	0.0929184802195062	0.00683695055211631	0.225989503226295
BLCA	RBBP7	cg17878446	-0.0638449602682183	419	-1.29856044234739	0.194821176093826	0.00407617895165038	0.376348205235607
BLCA	RBBP7	cg17880859	-0.111600629592629	419	-2.27948500470111	0.0231488176986033	0.0124547005254711	0.0813497368227469
BLCA	RBBP7	cg21122900	-0.0791914102317109	419	-1.61247416076245	0.107624497435878	0.00627127945448712	0.251118447362907
BLCA	RING1	cg01241018	0.0268378678814747	419	0.544945511552327	0.586085848688602	0.000720271152423493	0.750320286227184
BLCA	RING1	cg01878788	-0.307990486845895	419	-6.57094126534761	1.51296329100964e-10	0.0948581399875716	5.82959218726123e-09
BLCA	RING1	cg02475416	0.0619035745297429	419	1.25891976942181	0.208772144710917	0.00383205253955943	0.393984431643527
BLCA	RING1	cg03037740	-0.0124702231135546	419	-0.253137567373251	0.80028816778957	0.000155506464501831	0.890909304059132
BLCA	RING1	cg06316695	-0.158572552149499	419	-3.25991794712918	0.00120698443933164	0.0251452542952055	0.00785544612008414
BLCA	RING1	cg06671577	-0.093587097283791	419	-1.90798456482578	0.0570880716463582	0.00875854477800577	0.158785342702188
BLCA	RING1	cg07946923	-0.223314322225993	419	-4.65022007659029	4.47289524252532e-06	0.0498692865112545	6.45095314232508e-05
BLCA	RING1	cg08892712	-0.210506301833004	419	-4.37074881434012	1.56946541264894e-05	0.0443129031114078	0.000194017149708584
BLCA	RING1	cg09478665	-0.0447868928370791	419	-0.909897752650187	0.363361018346459	0.00200586577	0.562309669012222
BLCA	RING1	cg09724776	-0.0189488079271873	419	-0.384687862578875	0.700667181206735	0.000359057321861437	0.828515062587782
BLCA	RING1	cg09832551	-0.295145497971155	419	-6.27011854676567	9.11870152583375e-10	0.0871108649726408	3.03933276135694e-08
BLCA	RING1	cg09869033	-0.182210755409126	419	-3.76144283824396	0.00019340311761366	0.0332007593867643	0.00168786202957561
BLCA	RING1	cg10265934	0.0197543458825887	419	0.401047687496992	0.688592924109601	0.000390234181248949	0.821053338386317
BLCA	RING1	cg12065531	-0.0392769162606179	419	-0.797849977875516	0.425417162477474	0.00154267615094359	0.620148248127892
BLCA	RING1	cg12115664	-0.223116346360773	419	-4.64588141757032	4.56315071204982e-06	0.0497809040133803	6.56651399358497e-05
BLCA	RING1	cg12256228	-0.012199535393714	419	-0.247641952506774	0.804534815662514	0.000148828663822481	0.893705469637446
BLCA	RING1	cg14046664	-0.230764148565373	419	-4.81392997831423	2.08138366942175e-06	0.0532520922631016	3.27175512586372e-05
BLCA	RING1	cg14363494	-0.079719963975209	419	-1.62330503466899	0.105289056906875	0.00635527265620862	0.247129401792585
BLCA	RING1	cg18189601	-0.234983618420741	419	-4.90704712927014	1.33404702580871e-06	0.0552173009261044	2.20810328352687e-05
BLCA	RING1	cg20505183	0.0457539744155587	419	0.929677865835421	0.353082275977516	0.0020934261748196	0.552092028006811
BLCA	RING1	cg24536938	0.00588067271902274	419	0.119366683516084	0.905043036465571	3.45823116282584e-05	0.949667578244084
BLCA	RING1	cg24550302	-0.265126652103644	419	-5.57443746459721	4.50364383867907e-08	0.0702921416556866	1.06362012381967e-06
BLCA	RNF17	cg00202166	-0.439669325160988	419	-9.93622003077816	5.35182080410538e-21	0.193309115487519	7.70999162286248e-19
BLCA	RNF17	cg01405147	-0.0206773541760571	419	-0.419794202496285	0.674854622217811	0.000427552975722107	0.812034283252064
BLCA	RNF17	cg07131398	-0.214411815838205	407	-4.40130310273027	1.38057510404159e-05	0.0459724267710362	0.00017350639683976
BLCA	RNF17	cg12020676	-0.188565680671633	419	-3.89738206325597	0.000113468603898167	0.0355570159271562	0.00107373513826226
BLCA	RNF17	cg14855529	-0.0822102124796808	419	-1.67435272888497	0.094820181667483	0.00675851903595426	0.229272339994194
BLCA	RNF17	cg15523998	-0.186145379177467	419	-3.8455502477606	0.000139308894252396	0.034650102189123	0.00127864796711618
BLCA	RNF17	cg17806989	-0.362676331611557	419	-7.89935155705504	2.57695183150763e-14	0.131534121511216	1.84087594839582e-12

BLCA	RNF17	cg20477497	-0.160474633304141	418	-3.30004804358763	0.00105078878999865	0.0257521079340986	0.00699596209866534
BLCA	RNF17	cg21831927	-0.159549874170268	418	-3.28053279893479	0.00112424021193038	0.0254561623477485	0.00740050288093687
BLCA	RNF17	cg23678722	-0.0473332128312683	418	-0.961837359176431	0.336695463477039	0.00224043303693015	0.536310876261446
BLCA	RNF17	cg24753530	-0.163966073954815	418	-3.37380901382246	0.000811562837263243	0.026884873408156	0.00563702851446935
BLCA	RNF20	cg04845236	0.250881325130831	418	5.2605793595229	2.31359445928446e-07	0.0629414392994017	4.60787934883705e-06
BLCA	RNF20	cg14625770	-0.00674199404438939	418	-0.136850643251021	0.891215700480844	4.54544836945821e-05	0.942435829095054
BLCA	RNF20	cg21219529	0.115572639907292	418	2.36169401912668	0.0186560741298641	0.0133570350951406	0.0690091118281894
BLCA	RNF217	cg00991794	-0.277909972232369	418	-5.87228243800579	8.86042119300838e-09	0.0772339526661961	2.45036475751473e-07
BLCA	RNF217	cg02312409	-0.291019548404027	418	-6.17429294213978	1.59383281290024e-09	0.0846923775532841	5.07742136964623e-08
BLCA	RNF217	cg03113502	-0.171297327185894	418	-3.52911856021529	0.000463940663217769	0.0293427743010311	0.00352218209762498
BLCA	RNF217	cg06993703	-0.257424973940865	418	-5.40739474996192	1.08566561310382e-07	0.0662676172084551	2.34151013878012e-06
BLCA	RNF217	cg07439975	-0.217279494700025	418	-4.51823527386697	8.15693007690281e-06	0.047210378817098	0.000109278072330642
BLCA	RNF217	cg10621825	-0.270634343814224	418	-5.70622072194909	2.21019382764601e-08	0.0732429480517556	5.64237510550777e-07
BLCA	RNF217	cg16203203	-0.235079797248955	418	-4.90917304368963	1.32046006430534e-06	0.0552625110746098	2.18747594213309e-05
BLCA	RNF217	cg17382198	-0.301880395750585	418	-6.42736640030451	3.5948754702005e-10	0.09113177333853	1.286383359378e-08
BLCA	RNF217	cg18192252	-0.290123356757679	418	-6.15352882373054	1.79723747419907e-09	0.0841715621363437	5.66738111341072e-08
BLCA	RNF217	cg19171596	-0.278578350678908	418	-5.8875920751221	8.13579791220534e-09	0.0776058974669804	2.26851707090359e-07
BLCA	RNF217	cg19478500	-0.191587498811668	418	-3.96219911101449	8.75110004528209e-05	0.0367057697009108	0.000857625443339222
BLCA	RNF217	cg20034100	0.341500354082766	418	7.37507765667495	9.10686617343882e-13	0.116622491838654	5.16746569727571e-11
BLCA	RNF217	cg23521835	-0.293862102810196	418	-6.24027075973497	1.08588335899936e-09	0.08635493546803	3.56887241360356e-08
BLCA	RNF217	cg24822696	-0.208009971209101	418	-4.31655864324568	1.98710397540661e-05	0.0432681481224109	0.000237969160503051
BLCA	RPH3A	cg00851732	-0.0656584806481749	418	-1.33560362805502	0.182416220857374	0.00431103608102676	0.360138247014986
BLCA	RPH3A	cg00854817	0.0884040491117543	418	1.80145947593617	0.072361476352145	0.00781527589935347	0.188851606660587
BLCA	RPH3A	cg01119407	-0.105697007346063	418	-2.1575004252797	0.031544168676055	0.0111718573619137	0.102469812008728
BLCA	RPH3A	cg01573562	0.0339156544118682	418	0.688808870604191	0.491331246576446	0.00115027161418528	0.676980929032296
BLCA	RPH3A	cg05967001	-0.0407955582590557	418	-0.828749315842198	0.407726123616279	0.00166427757366801	0.603837719440139
BLCA	RPH3A	cg08254200	-0.0451318222386942	418	-0.917010336766863	0.359673687645743	0.00203688137858509	0.558498211409222
BLCA	RPH3A	cg09384610	-0.0764150417248454	418	-1.55560438254824	0.120569990975276	0.00583925860180987	0.271525847431991
BLCA	RPH3A	cg11596863	0.14785674096461	418	3.03451708082523	0.00256186869871179	0.0218616158486759	0.0145188925955985
BLCA	RPH3A	cg16403344	-0.0295882965674564	418	-0.600839892343979	0.548277023495672	0.000875467293763749	0.721446909995134
BLCA	RPH3A	cg17453780	0.0487948475049567	418	0.991608414678068	0.321970590063533	0.00238093714303198	0.521406036746802
BLCA	RPH3A	cg18629535	-0.0173670733444614	418	-0.352566262039949	0.724593923240337	0.000301615236551903	0.844000560750908
BLCA	RPH3A	cg19712198	-0.00641683191049297	418	-0.130250144102136	0.896432092788247	4.11757317675209e-05	0.945125609551526
BLCA	RPH3A	cg20704159	-0.118119547742133	418	-2.41446773001319	0.016193107956479	0.0139522275588061	0.0618949298964505
BLCA	RPH3A	cg21900624	0.126546879113446	418	2.58943856811739	0.00995373230257211	0.016014112613353	0.0424645270494266
BLCA	RPH3A	cg23199238	0.100076506062372	418	2.03413395214381	0.0425828596482831	0.0100153070656521	0.128200115459696
BLCA	RPH3A	cg23549179	0.121268195182692	418	2.47977682846225	0.0135452946044506	0.0147059751628674	0.0540131418816287
BLCA	RPH3A	cg23596620	0.012510374090539	418	0.253952733947492	0.799658761970755	0.00015650945988523	0.890577652092404
BLCA	RTF1	cg04910470	0.00246247289795077	418	0.0499828923892422	0.960160243341973	6.06377277314204e-06	0.979127583605928
BLCA	RTF1	cg07091958	0.0382249209337832	418	0.776448614485642	0.437929668374366	0.00146114458039398	0.630801003953403
BLCA	RTF1	cg07129439	0.173562034240535	418	3.57721616017445	0.000388537629759134	0.0301237797297125	0.00303198880223513
BLCA	RTF1	cg15581235	0.148119682452879	418	3.04003446444099	0.00251642118752659	0.0219394403299418	0.0143174482456259
BLCA	RTF1	cg18782716	0.182730705172544	418	3.77254658238156	0.000185268743408307	0.0333905106128553	0.00162712042080654
BLCA	RTF1	cg22263512	0.136264520194502	418	2.79190924331943	0.00548370922998008	0.0185680194638378	0.0267025335401271
BLCA	RTF1	cg24280607	-0.00207588894146762	418	-0.042136034325076	0.96641066659345	4.30931489730757e-06	0.982359454299184
BLCA	RTF1	cg27576415	0.212789701948935	418	4.42039501609482	1.2616764670726e-05	0.0452794572555165	0.000160613416919401
BLCA	SATB1	cg01069104	-0.13826840583458	418	-2.83376097333945	0.00482653162475298	0.0191181520520362	0.0241013673031666
BLCA	SATB1	cg01373248	0.183375503719085	418	3.78632107421332	0.000175626130500155	0.0336265753642283	0.00155699819898907
BLCA	SATB1	cg04004754	-0.168105222262943	418	-3.46142265211169	0.000593503121808741	0.0282593657520736	0.00433611775525819
BLCA	SATB1	cg14415616	-0.261074521521708	418	-5.48962150876842	7.05457030738613e-08	0.068159905787789	1.58476246749292e-06
BLCA	SATB1	cg19818826	-0.351008795628068	418	-7.60883407379292	1.89897428616344e-13	0.123207174608267	1.20300330307654e-11
BLCA	SATB1	cg26131754	-0.147350531210526	418	-3.02389697420188	0.00265147523738161	0.0217121790480241	0.0149189110817927
BLCA	SATB1	cg26768584	0.0295711642003934	418	0.600491686373114	0.548508768489116	0.000874453752166626	0.721691464213248
BLCA	SCML2	cg00457389	-0.0810831986298437	418	-1.65124617909245	0.0994502885207932	0.00657448510004669	0.237326241938065
BLCA	SCML2	cg04189389	0.0168199306663903	418	0.341455608962506	0.73293469787592	0.000282910067622178	0.849276247438057
BLCA	SCML2	cg05049545	-0.0379008770367229	418	-0.769856921930227	0.441825941064255	0.00143647648015279	0.634322652699085
BLCA	SCML2	cg06131666	-0.00774460968211995	418	-0.157203122267686	0.875161777377793	5.99789791283861e-05	0.933901253883048

BLCA	SCML2	cg08300622	-0.0483654345545865	418	-0.982861336760416	0.326252500237541	0.00233921525965399	0.525758938631132
BLCA	SCML2	cg17710066	0.0570032410445847	418	1.15892384236576	0.247158496343102	0.00324936948958703	0.440410647865575
BLCA	SCML2	cg17727916	-0.0756834410241879	418	-1.54062474542781	0.124175810674348	0.00572798324526173	0.277196256403792
BLCA	SCML2	cg22823767	-0.062896716269481	418	-1.27919666284258	0.201547781580009	0.00395599691748359	0.384888629998165
BLCA	SCML2	cg26246138	-0.0450318150778141	418	-0.91497420900761	0.360740356029012	0.00202786436920245	0.559634572187631
BLCA	SCML4	cg00977377	0.0299537722863799	419	0.608268112771119	0.543344840949124	0.000897228474184298	0.717700459407355
BLCA	SCML4	cg03500965	-0.22918857179948	419	-4.74430548808542	2.90272307582057e-06	0.0525274014434856	4.38815466304674e-05
BLCA	SCML4	cg05603896	-0.163449590811456	419	-3.36288953785749	0.00084344952360878	0.0267157687364323	0.00582315515083612
BLCA	SCML4	cg08792995	-0.0493171396982671	419	-1.00224817231322	0.316812015693324	0.0024321802680184	0.516094104258118
BLCA	SCML4	cg17388996	0.0322003886936703	419	0.653935615823855	0.513518111657597	0.00103686503202345	0.695145611092975
BLCA	SCML4	cg23503775	-0.12837715857592	419	-2.62751329728339	0.00892222797905263	0.0164806948440269	0.0390885737119119
BLCA	SCML4	cg27353361	0.0386036414451086	419	0.784152848347736	0.43340102388862	0.0014902411328225	0.626910665306265
BLCA	SCML4	cg27659622	-0.104498998098559	419	-2.13277496103906	0.0335337387325324	0.0109200406036027	0.107248958681082
BLCA	SETD1A	cg26692825	-0.24245641104453	419	-5.07268489906632	5.94375374442383e-07	0.0587851112565941	1.07757720529878e-05
BLCA	SETD6	cg01152986	-0.258804926206739	419	-5.43845660641636	9.230777935387e-08	0.0669799898288758	2.01656596098146e-06
BLCA	SETD6	cg01472538	-0.283095552597528	419	-5.99130622454162	4.54324480968462e-09	0.0801430919004995	1.32522379724261e-07
BLCA	SETD6	cg01773760	-0.295636004641922	419	-6.2815360160014	8.52793439781497e-10	0.0874006472406384	2.85957814027422e-08
BLCA	SETD6	cg02549819	-0.332485561569644	419	-7.13843699864246	4.32172647168553e-12	0.110546648652281	2.19311408439859e-10
BLCA	SETD6	cg05502081	-0.297284985567062	419	-6.31995915260909	6.80216805625605e-10	0.0883783626436081	2.31482004273133e-08
BLCA	SETD6	cg09132913	-0.304437732978107	419	-6.48735111133194	2.50861034602613e-10	0.0926823332608492	9.25342974199889e-09
BLCA	SETD6	cg19824325	-0.337963186982963	419	-7.28878018576015	1.60986662063527e-12	0.114219115755681	8.86326708320594e-11
BLCA	SETD6	cg26666090	-0.316472982786792	419	-6.77175801350752	4.40008257103962e-11	0.100155148833969	1.85729801156515e-09
BLCA	SETD7	cg05316864	-0.123577473790651	419	-2.52772395058467	0.0118533692243282	0.0152713920284791	0.0487018593766444
BLCA	SETDB1	cg02060408	-0.482111391341219	419	-11.1695943063128	1.74512452547614e-25	0.232431393660966	3.67913868116235e-23
BLCA	SETDB1	cg08531528	0.109266337290298	419	2.23122385105133	0.0262037088387426	0.0119391324648373	0.0892596486740519
BLCA	SETDB1	cg10589385	-0.350415374088562	419	-7.59416806999074	2.09743634105315e-13	0.122790934397627	1.31799646781817e-11
BLCA	SETDB1	cg10961700	-0.39080189731748	419	-8.61773952614473	1.47754283316603e-16	0.152726122946942	1.40346724253135e-14
BLCA	SETDB1	cg12082615	0.0934942221625059	419	1.90607439004636	0.0573361528107366	0.00874116957777201	0.159269714216549
BLCA	SETDB1	cg15448220	-0.250512773823802	419	-5.25233357043392	2.41281758157467e-07	0.0627566498488953	4.78589319074502e-06
BLCA	SETDB1	cg16370685	-0.43116218340677	419	-9.69952829171156	3.58620235321287e-20	0.185900828400093	4.88590237943682e-18
BLCA	SETDB1	cg17899625	0.113565896330796	419	2.32014619905313	0.0208207378497503	0.012897212809417	0.0750917237034528
BLCA	SETDB1	cg17918089	0.152873012137624	419	3.13989001343705	0.00181185313438484	0.0233701578400301	0.0109672660081181
BLCA	SETDB1	cg19689029	-0.449171513712971	419	-10.2045233433754	5.99532462296064e-22	0.201755048731202	9.3843115436338e-20
BLCA	SETDB1	cg26820223	-0.315664899490102	419	-6.75255062374179	4.95786871436808e-11	0.0996443287700959	2.07696520606112e-09
BLCA	SETMAR	cg00300090	-0.0366410860335475	419	-0.744232577623058	0.457160036427176	0.00134256918571783	0.647367611254257
BLCA	SETMAR	cg02520519	-0.0720819819326668	419	-1.46692032116427	0.143160616524416	0.00519581211934131	0.305914137493752
BLCA	SETMAR	cg06021447	-0.084132001809671	419	-1.71376909267168	0.0873233086465647	0.00707819372850249	0.216138386027708
BLCA	SETMAR	cg06267913	-0.0896376767531959	419	-1.82680001447021	0.0684532089557949	0.00803491309371044	0.181390044877277
BLCA	SETMAR	cg14751177	-0.0909602503687858	419	-1.85397705294064	0.064456937400843	0.0082737671471522	0.17346294280292
BLCA	SETMAR	cg14961031	-0.324368571690259	419	-6.96030100885511	1.34504713434186e-11	0.105214970300379	6.23951083893803e-10
BLCA	SETMAR	cg15232450	-0.0749008734250781	419	-1.52460432252881	0.128125036943639	0.00561014083983957	0.283225822487551
BLCA	SETMAR	cg15384599	-0.106569318349964	419	-2.17550984194384	0.0301597541871777	0.0113570196135761	0.0991023407491995
BLCA	SETMAR	cg16423812	-0.110916943880556	419	-2.2653459834477	0.0240099191572144	0.0123025684398025	0.0835955550002607
BLCA	SETMAR	cg21901604	-0.363736495825906	419	-7.92595766938655	2.14049041256791e-14	0.132304238395709	1.54468748752605e-12
BLCA	SETMAR	cg22149154	-0.12746310929287	419	-2.60849523099792	0.00942483213502668	0.0162468442306062	0.0406727168557852
BLCA	SETMAR	cg23182840	-0.382404436031128	419	-8.40043713855172	7.2723483285562e-16	0.146233152696285	6.27211824691464e-14
BLCA	SETMAR	cg23549342	-0.422975836608003	419	-9.4747640466256	2.12754215078255e-19	0.17890855835424	2.67815556760482e-17
BLCA	SETMAR	cg24390964	-0.101783283473217	419	-2.07676047060271	0.0384429223150476	0.0103598367945892	0.118864415682703
BLCA	SETMAR	cg26797270	-0.166407597918243	419	-3.42546643138503	0.000675369204239233	0.0276914886449198	0.00483434595827998
BLCA	SETMAR	cg27265118	-0.183068647821206	419	-3.77976524386036	0.000180154808247108	0.0335141298150846	0.00158953874932239
BLCA	SFMBT2	cg09060610	-0.0943131836166976	419	-1.92291981362369	0.0551791105598371	0.00889497660391692	0.154980921339902
BLCA	SFMBT2	cg12328063	-0.165844750400767	419	-3.41355207587297	0.000704742183410996	0.0275044812354926	0.00501460837979283
BLCA	SFMBT2	cg20299663	-0.124055116397618	419	-2.53764633243194	0.0115276905800166	0.0153896719044265	0.0476455828807676
BLCA	SFMBT2	cg25291138	-0.208170096607361	419	-4.32003197420526	1.95742243565628e-05	0.043334789121518	0.000234957137724802
BLCA	SHPRH	cg00571935	-0.154038237986249	419	-3.1644022462818	0.00166929124139487	0.0237277787619082	0.0102640564996106
BLCA	SHPRH	cg02758840	0.166539780180112	419	3.42826496415954	0.000668637529076155	0.0277354983824399	0.00479524972588573
BLCA	SHPRH	cg06708562	0.124340733673114	419	2.5435805021252	0.0113367463643899	0.0154606180503682	0.0470217829046954

BLCA	SHPRH	cg11387577	-0.0253591377789228	419	-0.514899868045833	0.606899115632503	0.000643085868890389	0.765129967936909
BLCA	SHPRH	cg11675148	0.0830994842980642	419	1.6925895437624	0.0912896238279215	0.00690552429060422	0.223123095166965
BLCA	SHPRH	cg12989205	0.118531530765992	419	2.42300881774981	0.0158226884226209	0.0140497237857292	0.0608097136226345
BLCA	SHPRH	cg14102550	0.00540856095937723	419	0.109783403132802	0.912634606861417	2.92525316512996e-05	0.953703409357061
BLCA	SHPRH	cg15443174	0.23891325594434	419	4.99403206139458	8.74932200288757e-07	0.0570795438659256	1.5209938679165e-05
BLCA	SHPRH	cg16339435	0.0171247648449751	419	0.347645741589325	0.728283783358342	0.000293257570995696	0.846362282612382
BLCA	SHPRH	cg18099523	-0.0408382516258265	419	-0.829618066671744	0.407235175615381	0.00166776279585432	0.603414217588338
BLCA	SHPRH	cg26814539	0.153404230215011	419	3.15106329398521	0.00174553151742058	0.0235328578478601	0.0106403290131811
BLCA	SHPRH	cg27398948	-0.0126374485567675	419	-0.256532675731164	0.797667601690057	0.000159705106024945	0.88938477504299
BLCA	SIN3A	cg01088093	0.114219265194442	419	2.33367042883964	0.0200931543887662	0.0130460405415582	0.0731048008848413
BLCA	SIN3A	cg01664094	0.209452661678606	419	4.34786563133024	1.73440624883175e-05	0.0438704174842525	0.000211516538206015
BLCA	SIN3A	cg02028562	0.0404171273557055	419	0.821048969787351	0.412093194811587	0.00163354418368732	0.607764806194976
BLCA	SIN3A	cg07544511	0.130235412464203	419	2.66619789928681	0.00797336919320182	0.0169612626597211	0.0358377792359569
BLCA	SIN3A	cg10483776	0.184531363542875	419	3.81102577054741	0.000159507539095035	0.0340518241309927	0.00143436937884166
BLCA	SIN3A	cg11184237	-0.0561566355554026	419	-1.14165677726543	0.254259810412623	0.0031535677169023	0.448394388690656
BLCA	SIN3A	cg15851274	-0.0963050409010791	419	-1.96390733709892	0.0502128136335485	0.00927466090295852	0.144716772889205
BLCA	SIN3A	cg22059910	0.245650079025576	419	5.1437643205106	4.17324808021344e-07	0.0603439613252718	7.83998215774267e-06
BLCA	SIN3A	cg25697800	0.0414636102075884	419	0.842343771026066	0.400084260598223	0.00171923097144683	0.596683137731538
BLCA	SIN3B	cg06815056	-0.161176732995083	419	-3.31487044713826	0.000998005654054107	0.0259779392589684	0.00670514309106876
BLCA	SIRT1	cg02720207	-0.0187704187415549	419	-0.38106502484995	0.703351419461369	0.000352328619733315	0.830523821389293
BLCA	SIRT1	cg03211233	-0.031069940592179	419	-0.630955533228851	0.52841945451872	0.000965341208401535	0.706818601503281
BLCA	SIRT1	cg07832903	-0.00749174086750032	419	-0.152069999010105	0.87920616508514	5.61261812257744e-05	0.935880634438014
BLCA	SIRT1	cg10582690	0.126450854660539	419	2.58744174727	0.0100106601700488	0.0159898186443808	0.0426676143583594
BLCA	SIRT1	cg10705386	0.00871900976310163	419	0.176983296644467	0.859608480518572	7.60211312490615e-05	0.925402794424003
BLCA	SIRT1	cg19192316	-0.0349548969901822	419	-0.709940769737181	0.478142481491659	0.00122184482359425	0.665735081437584
BLCA	SIRT1	cg19681528	0.0370598371334634	419	0.75274963963129	0.452030253471281	0.00137343152835883	0.642579498374312
BLCA	SIRT1	cg19980381	-0.0499714330725251	419	-1.0155781262842	0.310426343770367	0.00249714412332186	0.509237726520117
BLCA	SIRT1	cg25513531	0.0456985521923195	419	0.928549380106559	0.353666341252612	0.00208835767247415	0.552686686941548
BLCA	SIRT4	cg04118464	0.0252006066371053	417	0.510435500119043	0.610021087762234	0.000635070574878114	0.767345889175368
BLCA	SIRT4	cg07106325	-0.131454793279687	419	-2.69159812644318	0.00740071139442733	0.0172803626762052	0.0338326933195087
BLCA	SIRT4	cg08264848	0.017490572713606	418	0.355074168086443	0.722715724851669	0.00030592013384994	0.842910107781154
BLCA	SIRT4	cg12124973	-0.00797878997850856	419	-0.161956903883583	0.871419187089046	6.36610895211487e-05	0.931795167131695
BLCA	SIRT4	cg20010714	-0.0145070627861733	419	-0.294492204579731	0.768530140469422	0.000210454870681974	0.871701842571033
BLCA	SIRT4	cg21068152	-0.044898598242986	419	-0.912261981080466	0.36216430423512	0.00201588412418507	0.561105111998464
BLCA	SIRT4	cg21123573	0.0517623356835378	409	1.04051652035833	0.298723827119126	0.00267933939541525	0.496940395264158
BLCA	SIRT5	cg01064902	-0.13407934100807	419	-2.74631092554387	0.00629111401523848	0.0179772696851583	0.0297785776514428
BLCA	SIRT5	cg02206980	-0.134622049260377	419	-2.75763182835439	0.00608121138083211	0.0181230961470633	0.0289878528284591
BLCA	SIRT5	cg02712746	-0.230977402839101	419	-4.81862922987162	2.03552258166874e-06	0.0533505606222962	3.20939286012035e-05
BLCA	SIRT5	cg06139021	0.0298796314550663	419	0.606761195651023	0.544343607297837	0.000892792375890586	0.718495140420916
BLCA	SIRT5	cg07534331	-0.12636923057832	419	-2.58574443910835	0.0100592778013182	0.0159691824369565	0.0428325920785848
BLCA	SIRT5	cg07909422	-0.0796370636549534	419	-1.62160618955084	0.105652683432529	0.00634206190758309	0.247736228560453
BLCA	SIRT5	cg08619119	-0.17843805512166	419	-3.68097232730967	0.000263235834620787	0.0318401395156005	0.00218667042375755
BLCA	SIRT5	cg10907941	-0.212639703211224	419	-4.41713139269676	1.27999229913685e-05	0.0452156433817573	0.000162360542832304
BLCA	SIRT5	cg11824369	-0.257304263700472	419	-5.4046793274373	1.10113350839832e-07	0.066205484118442	2.37223982698252e-06
BLCA	SIRT5	cg19366958	0.103648085500128	419	2.11521886060677	0.0350109876951689	0.0107429256278418	0.110882231914856
BLCA	SIRT5	cg20150972	-0.137098050159796	419	-2.80931348356531	0.00520115340313017	0.0187958753576181	0.0255844785231179
BLCA	SIRT7	cg11691214	-0.194578685973147	419	-4.02647432605503	6.74021440537486e-05	0.0378608650350364	0.00068766982223178
BLCA	SIRT7	cg12710567	-0.171043403618596	419	-3.51087681769671	0.000496340543432218	0.0292558459214339	0.00372633818140957
BLCA	SIRT7	cg17552093	-0.0098643936394858	419	-0.200235065104897	0.84139554362467	9.73062618747278e-05	0.915065145471719
BLCA	SIRT7	cg20397086	-0.145038228549421	418	-2.97180327121598	0.00313452837665192	0.021036087740754	0.017066594382227
BLCA	SMARCA	cg03460558	-0.0752404092938827	418	-1.53155482055556	0.126399782552928	0.005661119190711	0.280618266713921
BLCA	SMARCA	cg06675660	-0.0550091448449501	418	-1.11825690017854	0.26410888720928	0.0030260060165727	0.459643917261633
BLCA	SMARCA	cg08617833	-0.318654789684634	418	-6.82369955587153	3.18220656771378e-11	0.101540874988958	1.37684414754575e-09
BLCA	SMARCA	cg12935118	-0.0412558938660694	418	-0.838116748087573	0.402451092203159	0.00170204877868838	0.598998749105532
BLCA	SMARCA	cg17420696	-0.0755073389837413	418	-1.53701940361256	0.125056153797474	0.00570135824040561	0.278493642931345
BLCA	SMARCA	cg18959966	-0.218860903282102	418	-4.55276815013019	6.97996497606166e-06	0.0479000949854578	9.52296379073555e-05
BLCA	SMARCA	cg24447042	-0.432121450699295	418	-9.72605623851341	2.90162760342666e-20	0.186728948154463	3.98814872404547e-18

BLCA	SMARCA	cg26010110	-0.282438901322599	418	-5.97620293793274	4.94802194234149e-09	0.0797717329803166	1.43361794779335e-07
BLCA	SMARCA	cg27353825	-0.030874035221761	416	-0.625449728611356	0.532023903913612	0.000953206050874541	0.709572009867982
BLCA	SMARCA	cg04518912	0.00225114405451088	419	0.0456933495923541	0.96357680342484	5.0676495541597e-06	0.980854943540968
BLCA	SMARCA	cg13529335	0.316880101805495	419	6.78144105677576	4.14273499412598e-11	0.100412998920261	1.75342723685004e-09
BLCA	SMARCA	cg14290704	-0.113530830462073	419	-2.31942044910163	0.0208604255981502	0.012889249465408	0.0752165600157106
BLCA	SMARCA	cg21210735	-0.222670243655969	419	-4.63610725295942	4.77293920936854e-06	0.0495820374098085	6.83050097228874e-05
BLCA	SMARCA	cg08405378	-0.0665033438149879	419	-1.3528654207074	0.176840555837482	0.00442269473857449	0.352918965670995
BLCA	SMARCA	cg17218495	0.149463998443636	419	3.06825299559669	0.00229534136949623	0.0223394868307592	0.0132933239495523
BLCA	SMARCA	cg17747332	-0.00330347199952624	419	-0.0670535240991339	0.946571619959145	1.09129272516539e-05	0.97151064821961
BLCA	SMARCA	cg18522266	-0.15361346226635	419	-3.15546490635639	0.00172002543646631	0.0235970957894553	0.0105161630622808
BLCA	SMARCA	cg23892580	0.0534567338071213	419	1.08660685644797	0.277845907904247	0.00285762238932542	0.474673764922325
BLCA	SMARCA	cg01278696	0.126281399019853	419	2.58391811100848	0.0101118266888564	0.0159469917384114	0.0430022109786744
BLCA	SMARCA	cg01575392	-0.205618452819113	419	-4.26472643407493	2.48450540938443e-05	0.0422789481397259	0.000289340739247983
BLCA	SMARCA	cg02782292	0.04194125473753	419	0.852064242563865	0.394673446788999	0.00175906884895838	0.591424781744874
BLCA	SMARCA	cg05358385	-0.029460935252587	419	-0.598251356075995	0.550000957825511	0.000867946705957122	0.722734571341638
BLCA	SMARCA	cg10878459	-0.316206989743487	419	-6.76543380015266	4.57656978445738e-11	0.0999868603626376	1.92865476604592e-09
BLCA	SMARCA	cg12253543	-0.139598807829931	419	-2.86156636598437	0.00443035680962036	0.0194878271475381	0.0225220661077963
BLCA	SMARCA	cg13848802	-0.252550800872811	411	-5.25924317352368	2.34516141746989e-07	0.063781907021498	4.66239425787509e-06
BLCA	SMARCA	cg13898584	-0.173544994858329	419	-3.57685406228014	0.000389059658357232	0.0301178652403776	0.00303514912377081
BLCA	SMARCA	cg16091845	-0.00598952218040102	419	-0.121576203025975	0.903293934389349	3.58743759495157e-05	0.948758505509675
BLCA	SMARCA	cg16587443	-0.171926506652074	412	-3.52091396756406	0.000478707921561305	0.0295587236895856	0.00360928513761777
BLCA	SMARCA	cg19993723	0.119148337397219	419	2.43579861076212	0.0152819901011422	0.0141963263045215	0.0592586550657093
BLCA	SMARCA	cg20045045	-0.0825670566883171	419	-1.68167025459315	0.0933905735074952	0.00681731885017178	0.226783190018794
BLCA	SMARCA	cg22077701	-0.0779887763401622	419	-1.58783543909773	0.113090660160761	0.00608224923503585	0.260127578029812
BLCA	SMARCA	cg24607315	-0.225223297471991	419	-4.69208662036633	3.68574090178274e-06	0.0507255337241571	5.43355178535695e-05
BLCA	SMARCB	cg01745726	-0.0496235954452649	419	-1.00849144957105	0.313810502199619	0.00246250122491532	0.51286356092816
BLCA	SMARCB	cg01912455	0.0139362977713241	419	0.282903423941537	0.777392951800907	0.000194220395571013	0.876922452203735
BLCA	SMARCB	cg03979008	0.200656016662972	419	4.15742706153582	3.91736436354848e-05	0.0402628370230508	0.00042994842451734
BLCA	SMARCB	cg10122452	0.0269692483535921	419	0.547615141787462	0.584252723064776	0.00072734035675773	0.748934819702431
BLCA	SMARCB	cg16142952	0.132815753284069	419	2.71996219610512	0.00680521173945128	0.0176400243204147	0.0316838763703906
BLCA	SMARCB	cg19906397	0.245351778056866	419	5.13711772682577	4.31429524774758e-07	0.0601974949956657	8.08153827361607e-06
BLCA	SMARCC	cg02564102	0.181735795880032	419	3.75130273202611	0.000201124762149991	0.0330278995041485	0.0017442920564879
BLCA	SMARCC	cg02627110	-0.107648902788102	419	-2.19780559096358	0.0285187043209512	0.0115882862714823	0.095050892473576
BLCA	SMARCC	cg05592996	-0.250995872948086	419	-5.26314269417927	2.28356385067545e-07	0.0629989282369715	4.5562340651307e-06
BLCA	SMARCC	cg07143957	0.0737686682254725	419	1.50143125905455	0.134010041647875	0.00544181641175983	0.292186612696621
BLCA	SMARCC	cg07304068	-0.128542056121646	419	-2.63094494338951	0.00883414015958966	0.0165230601919805	0.0387761653058206
BLCA	SMARCC	cg07474652	0.0342896471341077	419	0.696413355968003	0.486562700397793	0.00117577990058162	0.673034320508649
BLCA	SMARCC	cg12894336	-0.0511189971162744	419	-1.03896068631344	0.299432362146847	0.00261315186617367	0.497734181734455
BLCA	SMARCC	cg16250355	0.135607478253478	419	2.77819436165191	0.00571608661294651	0.0183893881582675	0.0275955649791685
BLCA	SMARCC	cg20685352	-0.149776309986862	419	-3.07481121072847	0.00224658610461309	0.0224329430332805	0.0130523464841128
BLCA	SMARCC	cg22984439	-0.0149683598700398	419	-0.303858564392243	0.761389043949168	0.000224051797199018	0.86731435557058
BLCA	SMARCD	cg02553054	-0.0309794874166726	419	-0.629116880280119	0.529621201381677	0.000959728640599773	0.707744597445438
BLCA	SMARCD	cg04550398	-0.143522399323249	419	-2.94366206647659	0.00342705913608314	0.020598679107502	0.0183244785220778
BLCA	SMARCD	cg09878554	0.0722994833833074	419	1.47136985624997	0.141954490945549	0.00522721529749314	0.30419687142439
BLCA	SMARCD	cg13349421	-0.0536978756117351	419	-1.09152265172979	0.275680867082864	0.00288346184521338	0.472124189885083
BLCA	SMARCD	cg17846064	-0.14931529233654	419	-3.06513065341869	0.00231889371517255	0.0222950565255465	0.0133993922363614
BLCA	SMARCD	cg18591973	0.0213504282048843	419	0.433465168251823	0.664903726324722	0.000455840784531919	0.805475950405089
BLCA	SMARCD	cg20405918	-0.0146938181396683	419	-0.298284136700832	0.765636683129591	0.000215908291521644	0.870050835948806
BLCA	SMARCD	cg22402853	-0.169691453225162	419	-3.49504816010363	0.000525420638823071	0.0287951892976673	0.00390971806263404
BLCA	SMARCD	cg25107077	-0.0681461807991076	419	-1.3864393894752	0.166362555963266	0.00464390195750466	0.338769433777618
BLCA	SMARCD	cg00945038	-0.0273191473276546	419	-0.554725172027133	0.579383667224408	0.000746335810710098	0.745411192976893
BLCA	SMARCD	cg02127607	0.00390284839262109	419	0.0792197736124402	0.93689627949048	1.5232225575785e-05	0.966360948228465
BLCA	SMARCD	cg02360836	-0.0632274216902254	419	-1.28594949199646	0.199182935243828	0.00399770685359358	0.38191006985824
BLCA	SMARCD	cg04367190	0.00770115685629346	419	0.156321047319338	0.875856534428034	5.93078169252358e-05	0.934340215710097
BLCA	SMARCD	cg06420487	-0.190162074562994	419	-3.9316097690734	9.89680058133616e-05	0.0361616146021019	0.00095534396876097
BLCA	SMARCD	cg07362569	0.0465906829013047	419	0.946715649544966	0.344338608603055	0.00217069173320993	0.543599125728845
BLCA	SMARCD	cg11697258	-0.0355966480212492	419	-0.722991245714638	0.470095488876438	0.0012671213503487	0.658716244491041

BLCA	SMARCD	cg12577610	-0.123695528893041	419	-2.5301762200588	0.0117721264164799	0.0153005838681292	0.0484473788522266
BLCA	SMARCD	cg15868002	-0.0534794940431139	419	-1.08707082698523	0.277641068323476	0.00286005628310746	0.474417582295264
BLCA	SMARCD	cg19016967	-0.277296894045491	419	-5.8582476166692	9.57978458310082e-09	0.0768935674472765	2.62689376756343e-07
BLCA	SMARCD	cg19143629	-0.00700792560692218	419	-0.142248847197743	0.886952984609049	4.91110213121556e-05	0.939908467187156
BLCA	SMARCD	cg21254277	-0.163994946355895	419	-3.37441951758413	0.000809813631965483	0.0268943424302729	0.00562688832485913
BLCA	SMARCD	cg23682543	-0.192249641596585	419	-3.97641741252288	8.26247332643906e-05	0.0369599246940153	0.000815906130943133
BLCA	SMARCD	cg24795630	-0.145861959810644	419	-2.99268129634264	0.00293176034394823	0.0212757113198019	0.0161662435637304
BLCA	SMARCD	cg25945412	0.0220140100117453	419	0.446943912395907	0.655150410333384	0.000484616636797221	0.798984016852642
BLCA	SMARCD	cg00864064	0.0476546622768055	419	0.968384209238657	0.333420643521359	0.00227096683671639	0.533004388091826
BLCA	SMARCD	cg02917064	-0.0493136795433216	419	-1.0021776818447	0.316846012196945	0.00243183899010142	0.516097237169749
BLCA	SMARCD	cg14795305	-0.00803095423522557	419	-0.163015824432532	0.870585903024325	6.44962259282875e-05	0.931314701305609
BLCA	SMARCD	cg19786287	-0.022510297602036	419	-0.457024943947929	0.647893990533168	0.000506713498132226	0.793736458260429
BLCA	SMARCD	cg19902439	-0.0635543677419965	419	-1.29262597490971	0.196864895475063	0.00403915765908492	0.379006822376437
BLCA	SMARCD	cg22750243	-0.0660582621645516	419	-1.34377138842579	0.179761888752076	0.00436369400020063	0.356744805448443
BLCA	SMARCD	cg22787816	-0.0574846961547726	419	-1.16874454628496	0.243182359086262	0.00330449029200653	0.435771046524237
BLCA	SMNDC1	cg03999743	-0.00915000748317154	419	-0.185732642709031	0.852745834336207	8.37226369420952e-05	0.921544397245133
BLCA	SMNDC1	cg08770590	-0.0213502519756632	419	-0.433461588742082	0.664906324153195	0.000455833259424312	0.805475950405089
BLCA	SMNDC1	cg11559952	0.101092625178771	419	2.062522447111403	0.0397843341922539	0.0102197188655354	0.122013029021217
BLCA	SMNDC1	cg12486840	0.23003866239605	419	4.79794871315108	2.24492095561871e-06	0.052917786196964	3.4963239403684e-05
BLCA	SMNDC1	cg17981675	-0.144950122668024	419	-2.97357013820569	0.00311649384087279	0.0210105380614751	0.0169790967054316
BLCA	SMNDC1	cg18209001	-0.0359758855038453	419	-0.730703736868621	0.465375451245487	0.00129426433778579	0.654625666392873
BLCA	SMNDC1	cg21872391	0.138152805833842	419	2.83134567498164	0.00486242027787445	0.0190861977597633	0.0242308066809919
BLCA	SMNDC1	cg23721301	-0.0872398269965638	419	-1.77755229460456	0.0762149943872481	0.00761078741439037	0.196131229727493
BLCA	SMNDC1	cg26944434	-0.00464432561456549	419	-0.0942705308122752	0.924940087453331	2.15697604141091e-05	0.960447277868396
BLCA	SMYD1	cg00578637	-0.0047036866873624	419	-0.0954754684798024	0.923983594338098	2.21246684528703e-05	0.959994871420752
BLCA	SMYD1	cg00666842	-0.00637683200388408	419	-0.129438184835508	0.897074101554516	4.06639864057603e-05	0.945507765398962
BLCA	SMYD1	cg03704645	0.0379868890025431	419	0.771606551312871	0.440789818330675	0.00144300373609153	0.633377998029958
BLCA	SMYD1	cg14559139	-0.0643674342969336	419	-1.30923121862226	0.191185729610733	0.00414316659797007	0.371651031993237
BLCA	SMYD1	cg16090764	0.033830869965483	419	0.687084968145271	0.492415746172037	0.00114452776262142	0.677901030431349
BLCA	SMYD1	cg18148488	0.0127408170973257	419	0.258631334802827	0.796048861483694	0.000162328420307507	0.888312607657895
BLCA	SMYD1	cg19074493	-0.0399198272276248	419	-0.810930399633958	0.417873835641214	0.001593359260588341	0.613245677140378
BLCA	SMYD2	cg01770831	-0.0386128694951786	419	-0.784340576891835	0.433291015034149	0.00149095369065169	0.626850951786174
BLCA	SMYD2	cg04406444	-0.107331908599132	419	-2.19125816470425	0.0289924189623598	0.0115201386035324	0.0962874078192375
BLCA	SMYD2	cg11523160	-0.185309227141537	419	-3.82766059684113	0.000149452571286791	0.0343395096637938	0.00135792026754083
BLCA	SMYD2	cg14013804	0.0465747221079452	419	0.94639062346225	0.344504101142037	0.00216920473943232	0.543727978174957
BLCA	SMYD2	cg27570636	0.0335661693775664	419	0.681702967952847	0.49580981232579	0.00112668772668347	0.680705376107095
BLCA	SMYD5	cg01329511	-0.156606851912585	419	-3.21848472982066	0.00139062745111341	0.0245257060659702	0.00883973645667502
BLCA	SMYD5	cg05103132	-0.1741841746161	419	-3.5904393170296	0.000369918022088139	0.030340126686692	0.0029118084195411
BLCA	SMYD5	cg06754047	-0.0471519603015522	419	-0.958145983557651	0.33855106034736	0.00222330736027915	0.537919283619602
BLCA	SMYD5	cg08834152	0.043696728059421	419	0.887794694017477	0.375169178873378	0.00190940404309899	0.573875503886774
BLCA	SMYD5	cg15623359	-0.107926613086503	419	-2.20354217669691	0.028109169436849	0.0116481538123237	0.0940795875555505
BLCA	SMYD5	cg17895873	-0.0966069951213964	419	-1.9701228782683	0.0494935743683564	0.0093329115063855	0.143236895983469
BLCA	SMYD5	cg20402064	-0.0523434029084663	419	-1.06391351226052	0.287991032053764	0.00273983182803804	0.485515810780463
BLCA	SMYD5	cg25886337	-0.0852779275378528	419	-1.737281443336536	0.0830848170267235	0.00727232492515127	0.208513460732206
BLCA	SMYD5	cg26467949	-0.202902906755427	419	-4.20596812311668	3.19189791894435e-05	0.0411695895698014	0.000359818152016167
BLCA	SP100	cg05876232	0.0459009839205961	419	0.932671257835654	0.351535967667681	0.00210690032487882	0.550502388151326
BLCA	SP100	cg09456094	-0.193229462950341	419	-3.99746763204966	7.58633326757813e-05	0.0373376253520771	0.000759844483350036
BLCA	SP100	cg11702456	-0.153620830503362	419	-3.15561991979731	0.00171913348065226	0.0235993595645426	0.0105123620495097
BLCA	SP100	cg11827097	-0.0585020783459402	419	-1.18949977098383	0.234928108543038	0.00342249317079452	0.426043715784253
BLCA	SP100	cg23539753	-0.235386143730625	419	-4.91594547274702	1.27806147497049e-06	0.0554066366603746	2.12629414849987e-05
BLCA	SP100	cg27140170	0.0428840482161285	419	0.871252614001408	0.384123628456449	0.00183904159140323	0.582278128451696
BLCA	SP140L	cg04002454	-0.155504994431262	419	-3.19527685679131	0.0015044689088129	0.0241818032930667	0.00942188490518359
BLCA	SP140L	cg05217331	0.120001884312296	419	2.45350205340977	0.0145605229929941	0.0144004522385017	0.0570353134802107
BLCA	SP140L	cg13278004	-0.17715838424645	419	-3.65371564194376	0.00029184372036827	0.0313850931088127	0.00238885631127201
BLCA	SP140L	cg24044052	-0.327075891715149	419	-7.02532173912528	8.88717983961454e-12	0.10697863894126	4.2748002164434e-10
BLCA	SP140L	cg25095994	-0.277890129450856	419	-5.87182806778965	8.88286203629896e-09	0.0772229240462133	2.45569782960853e-07
BLCA	SP140L	cg26847438	-0.181136072758128	419	-3.73850287415761	0.000211287157578662	0.0328102768542377	0.00181783600272887

BLCA	SSRP1	cg01511567	0.145233703175971	419	2.97951285904603	0.00305793941940148	0.0210928285382062	0.0167127539126682
BLCA	SSRP1	cg01766191	-0.103171123355868	419	-2.10538019344027	0.0358629836255178	0.0106442806945117	0.112902146742889
BLCA	SSRP1	cg02688348	0.0355298999359248	419	0.721633833194004	0.470928962438976	0.00126237378945683	0.659349705811019
BLCA	SSRP1	cg04937561	-0.146787957822762	419	-3.01209722718177	0.00275440066399318	0.0215467045617771	0.0153790171000277
BLCA	SSRP1	cg08821673	-0.143914024979026	419	-2.95186399795479	0.00333919075861915	0.0207112465856636	0.0179398484721007
BLCA	SSRP1	cg09381635	-0.0964141339536693	419	-1.96615288698154	0.0499519589747734	0.00929568522603608	0.144170167562645
BLCA	SSRP1	cg11948159	0.0514701040122953	419	1.04611559773614	0.296121010510114	0.00264917160703649	0.494079096871288
BLCA	SSRP1	cg12795368	0.0469592703574128	419	0.954221778414658	0.340530908109593	0.00220517307250059	0.539800747116263
BLCA	SSRP1	cg12911972	-0.0735832986816316	419	-1.49763782317939	0.134993095241852	0.00541450184487021	0.293711448783237
BLCA	SSRP1	cg16313264	0.143172260326946	419	2.93633019799782	0.00350738924773006	0.0204982961271267	0.0186758274563937
BLCA	SSRP1	cg22636253	-0.0787802138938227	419	-1.60404906639432	0.109469502298287	0.00620632210115645	0.254074540897217
BLCA	SSRP1	cg26706201	-0.093782445158505	419	-1.91200247420429	0.0565691757080792	0.008795147019908	0.157732704481517
BLCA	STK31	cg00755064	0.098425400599177	419	2.00756530574402	0.0453420195450463	0.00968755948310847	0.134369626623265
BLCA	STK31	cg05000488	-0.129262094227165	419	-2.64593209994128	0.00845850171792507	0.0167086890039925	0.0375004663272504
BLCA	STK31	cg05407490	-0.0159763538660878	419	-0.324325959735114	0.745855862651705	0.000255243882854458	0.857305246697864
BLCA	STK31	cg11755819	-0.148283952520994	419	-3.04348172918942	0.00248840250201937	0.0219881305752483	0.014182927997809
BLCA	STK31	cg13313214	-0.015770989330492	419	-0.320155938904436	0.74901242369396	0.000248724104462491	0.859365690220954
BLCA	STK31	cg13514718	-0.0673368402378461	419	-1.36989783803511	0.171464878578078	0.00453425005321721	0.345642500720911
BLCA	STK31	cg13802883	0.0655085721843462	419	1.33254108088315	0.183418960492262	0.0042913730296317	0.361604019577675
BLCA	STK31	cg14898779	-0.107574084438403	419	-2.19626017782512	0.0286299094718771	0.0115721836427607	0.0953154096570037
BLCA	STK31	cg17102984	-0.109197350971394	419	-2.22979814149024	0.0262990379847693	0.0119240614591699	0.0894933450412117
BLCA	STK31	cg17331904	0.0265835180044786	419	0.539777242816424	0.589642276161774	0.00070668342949444	0.752746955274238
BLCA	STK31	cg21519371	0.0873001255530672	419	1.77879033816461	0.0760113946410326	0.00762131192158129	0.195779672653587
BLCA	STK31	cg25570411	0.0951803647470826	419	1.94076137414106	0.0529689696672742	0.00905930183338768	0.150460730503375
BLCA	STK31	cg25612145	-0.157951860580107	419	-3.24683068173823	0.00126240742790888	0.0249487902607176	0.00814934224933559
BLCA	SUV39H	cg05903800	-0.0345165524013672	419	-0.701027218746574	0.483681767464027	0.00119139238967633	0.670514435782333
BLCA	SUZ12	cg00160853	0.010940925171492	419	0.222089819274832	0.824354008826617	0.000119703843608187	0.905608704209611
BLCA	SUZ12	cg01109633	0.0691206973572504	419	1.40636051087724	0.160370882027137	0.0047776708031526	0.330231295130617
BLCA	SUZ12	cg07482957	-0.0293824492766675	419	-0.596656193960517	0.551064649864837	0.000863328325495939	0.7235413556268
BLCA	SUZ12	cg08177746	0.0895633823538572	419	1.82527365884681	0.0686835854884044	0.00802159945866322	0.181802342616023
BLCA	SUZ12	cg17335595	-0.291233640159614	419	-6.17925591945447	1.54865467229657e-09	0.0848170331606194	4.9456503110279e-08
BLCA	SUZ12	cg25098644	-0.00648731066666778	419	-0.131680795945605	0.895301055315346	4.20851996858615e-05	0.944413402040565
BLCA	TAF3	cg00194465	-0.0363161605908836	419	-0.737624125053594	0.46116278019945	0.00131886352006285	0.650757323524856
BLCA	TAF3	cg02334915	0.222714390844918	419	4.63707438650688	4.75177471331887e-06	0.0496016998894229	6.80522021443167e-05
BLCA	TAF3	cg03672997	-0.00804845279455721	419	-0.163371040834488	0.87030640894868	6.47775923862158e-05	0.931198052151149
BLCA	TAF3	cg04179819	0.0426355433672766	419	0.866194650805164	0.386887563016584	0.00181778955822292	0.584845187663011
BLCA	TAF3	cg04234156	0.142128374484349	419	2.91447802257298	0.00375711522187777	0.0202004748335634	0.0197433816246122
BLCA	TAF3	cg05976695	-0.0634713140114461	419	-1.29092991610483	0.197451871140407	0.00402860770233959	0.379760948959079
BLCA	TAF3	cg07855525	-0.19031847310526	419	-3.93496478888403	9.76452566758391e-05	0.0362211212051177	0.000944567905724972
BLCA	TAF3	cg09871669	-0.0799008260315788	419	-1.62701149054112	0.10449917437052	0.00638414200052862	0.245822103660046
BLCA	TAF3	cg09994553	-0.194576171093688	412	-3.99699411628366	7.61955056704392e-05	0.0378598863574801	0.000762556933848405
BLCA	TAF3	cg11104088	-0.0612170399634687	419	-1.24490504758349	0.213874288730861	0.00374752598188893	0.400446133902828
BLCA	TAF3	cg12176426	0.180534679332143	419	3.72567169728183	0.000221958790668781	0.0325927704415595	0.00189435679224215
BLCA	TAF3	cg12590721	-0.143462932441441	419	-2.94241675763839	0.0034405834977297	0.0205816129846975	0.0183804939309425
BLCA	TAF3	cg12777293	-0.110519107864239	419	-2.25712000152448	0.0245236225989285	0.0122144732031074	0.0849543324054779
BLCA	TAF3	cg27268107	-0.138026872771722	419	-2.82871461618892	0.00490179049129148	0.0190514176071412	0.0243988668167848
BLCA	TCEA1	cg01677098	-0.194378142660483	419	-4.02216138460728	6.86008514117986e-05	0.0377828623441392	0.000697521191312177
BLCA	TCEA1	cg06047473	-0.102864941612272	419	-2.09906511981579	0.036419148279733	0.0105811962128961	0.114287665238949
BLCA	TCEA1	cg11530293	0.0725739864377894	419	1.47698580272563	0.140443389702041	0.00526698350747243	0.301954254062867
BLCA	TCEA1	cg11787876	-0.0640123770335137	419	-1.30197957044581	0.193650807334918	0.00409758441348071	0.374732009189629
BLCA	TCEA1	cg12850379	-0.182249383968921	419	-3.76226765488906	0.00019278747704211	0.0332148379570513	0.00168324455544488
BLCA	TCEA1	cg23569945	-0.0119056044582953	419	-0.24167450582041	0.809152624483338	0.000141743417517381	0.896890461974033
BLCA	TCEA1	cg26181865	-0.265038223064391	419	-5.57921269922464	4.38416571415018e-08	0.0702452596851301	1.0391888713181e-06
BLCA	TCEA1	cg26358945	0.0118569025907065	419	0.240685756517168	0.809918400840963	0.000140586139045502	0.897331358916113
BLCA	TDRD1	cg00337703	-0.107467384109029	419	-2.19405629060007	0.0287891455206944	0.0115492386472375	0.0957349229134349
BLCA	TDRD1	cg02635786	-0.430801243152187	414	-9.65421521454741	5.30226109584282e-20	0.18558971110147	7.08735566477657e-18
BLCA	TDRD1	cg16550453	-0.934746470839078	419	-53.3984201452832	2.99477828931286e-187	0.87375096474611	3.88292970398008e-183

BLCA	TDRD1	cg23504215	-0.756635366289351	418	-23.4890634499375	4.87543707142822e-78	0.57249707751982	7.74040309254464e-75
BLCA	TDRD1	cg23825092	-0.662754385446906	418	-17.9644535715987	1.04490127290583e-53	0.439243375429106	7.13044294951195e-51
BLCA	TDRD1	cg24203376	-0.651036561476981	418	-17.4094751167667	2.81677000385333e-51	0.423848604379771	1.75302244543813e-48
BLCA	TDRD1	cg26600802	-0.659272808373465	418	-17.7971916331996	5.65814735353513e-53	0.434640635860635	3.76213602752916e-50
BLCA	TDRD1	cg27547703	-0.826595091417912	417	-29.7756942538593	1.17918207784873e-104	0.683259445156186	4.36825193162687e-101
BLCA	TDRD3	cg01557749	-0.0842118371241837	419	-1.71540694779568	0.0870224913189207	0.00709163351183005	0.21562020860796
BLCA	TDRD3	cg03447530	-0.19452343531254	419	-4.02528603730647	6.77304079130594e-05	0.0378393668857918	0.00069020426423743
BLCA	TDRD3	cg05666423	-0.184284165333376	419	-3.80574092328574	0.000162833476389882	0.0339606535926191	0.0014603951420653
BLCA	TDRD3	cg10765900	0.0998252103879869	419	2.03640232417176	0.0423489567181617	0.00996507262900585	0.127649065788395
BLCA	TDRD3	cg18522102	0.128902670681759	419	2.63845038634257	0.00864419334889714	0.0166158985088901	0.0381301701590963
BLCA	TDRD3	cg19937698	0.0349844920549013	419	0.710542587531073	0.477769742872081	0.00122391468433945	0.66541856518531
BLCA	TDRD3	cg20944895	-0.203193930104569	419	-4.21226034289015	3.10782663052003e-05	0.0412877732313405	0.000351461353241279
BLCA	TDRD3	cg22045829	0.0373496916169926	419	0.758645279971927	0.448498550448027	0.00139499946388445	0.639811281917386
BLCA	TDRD3	cg23103367	-0.111069673037505	419	-2.26850422871662	0.0238151927743887	0.0123364722686582	0.0831021398892436
BLCA	TDRD3	cg23767211	0.0966217328796541	419	1.97042625996086	0.0494586913262968	0.00933575926466723	0.14317144574823
BLCA	TDRD3	cg26737458	-0.0956299474321941	419	-1.95001293187079	0.0518524636089801	0.00914508684588421	0.14816567691449
BLCA	TDRD5	cg05378938	-0.235222617687445	419	-4.91233019504471	1.30052855130903e-06	0.0553296798717338	2.15905501751035e-05
BLCA	TDRD5	cg07171496	-0.274882500778232	419	-5.80305154581389	1.30033841841221e-08	0.0755603892340949	3.47027536610497e-07
BLCA	TDRD5	cg07901138	-0.260262125575678	419	-5.47129599427445	7.76952008256139e-08	0.0677363740091698	1.73286136841394e-06
BLCA	TDRD5	cg09656934	-0.261541667401347	419	-5.50016475534523	6.6726655318939e-08	0.0684040437870767	1.51118876968895e-06
BLCA	TDRD5	cg11853788	-0.30241247245174	419	-6.4398341100663	3.33656735736167e-10	0.0914533034943746	1.20168944906756e-08
BLCA	TDRD5	cg12277666	-0.212500465422905	419	-4.41410219522235	1.29722013622001e-05	0.0451564478049514	0.000164331449726591
BLCA	TDRD5	cg13848905	-0.167301476908311	419	-3.44439514321071	0.000631042306450398	0.0279897841757021	0.00456382836636308
BLCA	TDRD5	cg15545772	-0.198176895690182	419	-4.10394824919392	4.89774130469092e-05	0.0392740819853974	0.0005206543960879
BLCA	TDRD7	cg24339935	0.0110331778100778	419	0.223962682442652	0.822897356517444	0.000121731012588793	0.904671034879323
BLCA	TDRD9	cg07613153	0.323678922776507	417	6.92689429867424	1.67254486836431e-11	0.10476804504976	7.60011422251944e-10
BLCA	TDRD9	cg08933517	0.151213650109501	419	3.10500601845637	0.00203416083138968	0.0228655679794385	0.0120568005879717
BLCA	TDRD9	cg16701547	0.231900682805816	419	4.83898301695103	1.84788932263387e-06	0.0537779266858038	2.94217564398238e-05
BLCA	TRIM24	cg00733782	-0.00481650586553162	419	-0.0977655255283531	0.922166026367797	2.31987287527005e-05	0.959139116104927
BLCA	TRIM24	cg02308366	-0.0502861561411215	419	-1.02199046206607	0.307385121880954	0.00252869749944925	0.50589463965937
BLCA	TRIM24	cg06386929	-0.0496978656126655	419	-1.01000456330353	0.313085894886995	0.00246987784645456	0.512094754419779
BLCA	TRIM24	cg06650216	-0.0525050938866869	419	-1.06720905707045	0.286502384863981	0.00275678488404981	0.483831166763091
BLCA	TRIM24	cg10571650	0.123732027347221	418	2.52786100857461	0.0118497282153706	0.0153096145914533	0.048699024232459
BLCA	TRIM24	cg10703331	-0.0514548954343325	419	-1.04580566690844	0.296263937396012	0.00264760626415809	0.494221382922003
BLCA	TRIM24	cg13935558	0.0936726358844033	419	1.9097438928754	0.056860374887591	0.00877456271353199	0.158329014389192
BLCA	TRIM24	cg26889928	-0.0302746069034475	419	-0.614789212952395	0.539033317260712	0.000916551823158272	0.714565519627277
BLCA	TRIM33	cg00760200	0.0553887249390098	419	1.12599688247825	0.260822294398468	0.00306791085036928	0.456066746919181
BLCA	TRIM33	cg02852257	0.0514021064557558	419	1.04472990257389	0.296760393498025	0.00264217654808885	0.494753290724472
BLCA	TRIM33	cg05792124	0.062874835212725	419	1.27874987822421	0.201704967656615	0.00395324490302732	0.385065920340581
BLCA	TRIM33	cg16036305	0.0962513810496331	419	1.96280283951415	0.050341537626762	0.00926432835396166	0.144987952246726
BLCA	TRIM33	cg17645130	0.0561543346535756	419	1.1416098522716	0.254279301130609	0.00315330930038576	0.448415558601681
BLCA	TRIM33	cg18199720	0.0553639727947019	419	1.12549214892337	0.26103574791746	0.00306516948361249	0.456312232154445
BLCA	TRIM33	cg20932765	-0.109831257123883	419	-2.24290002755361	0.0254342055640306	0.0120629050414124	0.0873217073240079
BLCA	TRIM33	cg20992663	-0.214067036116468	419	-4.44820012611106	1.11548883650699e-05	0.0458246959516892	0.000144150064031935
BLCA	TRIM33	cg21666217	0.00641050335694882	419	0.130121680568303	0.896533663208371	4.10945532894521e-05	0.945181458132972
BLCA	TRIM33	cg21813112	-0.112395924205394	418	-2.29314826552988	0.02234361678508	0.0126328437779846	0.0791169469357541
BLCA	TRIM66	cg06492264	0.025673730583116	419	0.521291646041657	0.602443703673026	0.000659140442054426	0.761772109349989
BLCA	TRIM66	cg11245569	0.220954264500369	406	4.53673486444675	7.55911694780862e-06	0.0488207870008989	0.00010227025110223
BLCA	TRIM66	cg12608775	0.0567257996038612	419	1.15326497074838	0.249470262730864	0.00321781634069742	0.443033270182853
BLCA	TRIM66	cg13143389	0.0695624488420882	419	1.41539214818023	0.157708983499708	0.00483893428890814	0.326519453739981
BLCA	TRIM66	cg27044202	-0.106925078474025	419	-2.18285619262656	0.0296102592760603	0.0114329724066763	0.0977218950501373
BLCA	UBE2A	cg00142683	-0.00214195652554808	418	-0.0434770687658849	0.965342306722513	4.58797775733799e-06	0.981774803840441
BLCA	UBE2A	cg00428314	0.0075443457360437	418	0.153137851756598	0.878364539681646	5.69171525849607e-05	0.935408422792357
BLCA	UBE2A	cg00935924	-0.021974891408151	418	-0.446149314946617	0.65572377257892	0.000482895852400027	0.79923815376427
BLCA	UBE2A	cg05206294	-0.0156671408400535	418	-0.318047263266698	0.75061022993749	0.000245459302102072	0.860202652739612
BLCA	UBE2A	cg06206449	-0.0163151459185419	418	-0.331205377309483	0.740657750257716	0.000266183986343316	0.854104282823391
BLCA	UBE2A	cg06273903	0.0197201925784704	418	0.400354045853848	0.689103274498434	0.000388885995331958	0.821244651021585

BLCA	UBE2A	cg09080960	-0.00844282674188398	418	-0.171376774302968	0.864011654329967	7.12813233934712e-05	0.927817284023295
BLCA	UBE2A	cg14625604	0.00801746150838849	418	0.162741925536111	0.870801425319918	6.42796890384911e-05	0.931420248330667
BLCA	UBE2A	cg15661671	-0.0280893666089366	418	-0.570376933365091	0.56873299163667	0.000789012516491243	0.737120473016143
BLCA	UBE2A	cg16211147	0.000967312160884409	418	0.0196343016466615	0.984344605294043	9.35692816594865e-07	0.991815669674707
BLCA	UBE2A	cg17976175	-0.013159644839623	418	-0.267134748723749	0.789499077611376	0.000173176252305016	0.884143168286734
BLCA	UBE2A	cg18990292	-8.85132085971657e-05	418	-0.0017966219192999	0.998567373457217	7.83458809616536e-09	0.999208692107392
BLCA	UBE2A	cg25165659	0.00666680721021953	418	0.135324414293204	0.892421471896675	4.44463183782351e-05	0.943018690365797
BLCA	UHRF2	cg06523306	0.034864683213366	418	0.708106277554675	0.479279666383078	0.00121554613556837	0.66666217934854
BLCA	UHRF2	cg08487038	-0.0328068044082585	418	-0.666264043068907	0.505615235551081	0.00107628641548173	0.68872847952202
BLCA	UHRF2	cg13428749	0.187597377153166	418	3.87663664563595	0.00012321319880589	0.0351927759147471	0.00115221151435334
BLCA	UHRF2	cg14078101	0.236759632875257	418	4.94632842516564	1.10349000892265e-06	0.0560551237592266	1.8667571667144e-05
BLCA	UHRF2	cg20595300	0.168249830564667	418	3.46448696134824	0.000586973065782189	0.0283080054850391	0.0042956709952455
BLCA	UHRF2	cg24119045	0.228356497193195	418	4.76092582364444	2.67272981945606e-06	0.0521466898103458	4.08813101798594e-05
BLCA	USP27X	cg00478198	-0.0704633289018541	418	-1.43381329736325	0.152384032096317	0.00496508071993087	0.319151502070344
BLCA	USP27X	cg01125381	-0.130073802436988	418	-2.66283241922508	0.00805216075990212	0.0169191940804166	0.036110842370384
BLCA	USP27X	cg01290688	-0.177040274024781	418	-3.65120088914206	0.000294625497206579	0.0313432586267694	0.0024088382479967
BLCA	USP27X	cg01855997	-0.0782989681101314	418	-1.59418975915391	0.11166035411908	0.00613072840711138	0.257584010566668
BLCA	USP27X	cg06455206	-0.261176691436379	418	-5.4919270781705	6.96928242627048e-08	0.0682132641496537	1.5674135792694e-06
BLCA	USP27X	cg06624970	-0.0847776191234317	418	-1.72701515923636	0.0849144490976092	0.00718724470423765	0.211912607647717
BLCA	USP27X	cg16810342	-0.0814428942713767	418	-1.65862012542197	0.0979534194015095	0.00663294502729864	0.234590041219131
BLCA	USP27X	cg16867483	-0.124931728857709	418	-2.55586144225919	0.0109505091148482	0.0156079368753761	0.0457719663892017
BLCA	USP27X	cg19318186	-0.0779238515664618	418	-1.58650550517288	0.113391843336683	0.00607212664295197	0.260528253001576
BLCA	USP51	cg00834229	-0.0633662020174463	418	-1.28878343917399	0.19819657011381	0.00401527555811581	0.380741405952039
BLCA	USP51	cg01084827	-0.0772190612187257	417	-1.57016071081177	0.117147239815327	0.00596278341550131	0.266332116844746
BLCA	USP51	cg02714202	-0.0587592731978245	418	-1.19474729105425	0.232873100683627	0.00345265218673658	0.42360142760208
BLCA	USP51	cg03728850	-0.0518748051817434	418	-1.05436314436885	0.292334606784834	0.00269099541264383	0.490061441006627
BLCA	USP51	cg07386410	-0.042860632770695	418	-0.87077601897269	0.384383546139492	0.00183703384150437	0.582547263610209
BLCA	USP51	cg12064531	-0.0532824249922321	418	-1.08305360356806	0.279418066763064	0.00283901681305284	0.476459801976366
BLCA	USP51	cg12517811	-0.0657269039405436	418	-1.33700150832668	0.1819598851111151	0.00432002590160944	0.359520161083405
BLCA	USP51	cg18770944	-0.0636440270961645	418	-1.29445695890194	0.196232665157034	0.00405056218501732	0.378229576899143
BLCA	USP51	cg21331369	-0.0520307256062728	418	-1.0575408399851	0.29088449218801	0.00270719640711525	0.488421751856727
BLCA	USP51	cg25424556	-0.0313209159354767	418	-0.636057221644818	0.525092296663304	0.000980999775037199	0.704123661988917
BLCA	WDR82	cg01736403	0.158363121128189	418	3.25550165725831	0.0012254296166006	0.0250788781334616	0.00795486244941815
BLCA	WDR82	cg03869063	-0.0503958694342422	418	-1.02422589090834	0.306329579442233	0.00253974365603319	0.5047617111052526
BLCA	WDR82	cg10989431	0.229516816467201	418	4.7864585316987	2.37008109207548e-06	0.0526779690412389	3.66994602860111e-05
BLCA	WDR82	cg11442381	-0.116564885353446	418	-2.38224836348595	0.0176601821849825	0.0135873724974621	0.0661684830177976
BLCA	WDR82	cg11665333	-0.187110479542822	418	-3.86620953897092	0.000128405058364035	0.0350103315547449	0.00119385446796388
BLCA	WDR82	cg12661343	0.0151186487956503	418	0.306910132248022	0.759066833946946	0.000228573541406219	0.86583547572717
BLCA	WDR82	cg13539115	0.00919111650025872	418	0.186567169895136	0.852091839191496	8.4476622521328e-05	0.921173844440215
BLCA	WDR82	cg15991175	-0.20480324527538	418	-4.24707644667158	2.67951135823873e-05	0.0419443692753274	0.00030876482422905
BLCA	WDR82	cg17632831	0.0420377619194762	418	0.854028316469055	0.393585581558622	0.00176717342719857	0.590394365648177
BLCA	WDR82	cg24007312	0.0135792937748018	418	0.275654976279285	0.782951282161145	0.000184397219422371	0.880186590237632
BLCA	WDR82	cg26236504	0.0687777737950645	418	1.39934999014641	0.162460485691001	0.00473038216820507	0.333099231032779
BLCA	WDR82	cg26858096	-0.0442813180289526	418	-0.899695099774026	0.368808078182604	0.00196083512638124	0.567544075210917
BLCA	ZMYND1	cg00614684	-0.0224929035507759	418	-0.456671614954274	0.648147758285224	0.000505930710144506	0.793934823537462
BLCA	ZMYND1	cg02813021	-0.0726478582113037	418	-1.47849717289616	0.140038848259518	0.00527771130268968	0.301393851643361
BLCA	ZMYND1	cg02867818	-0.200621812215684	418	-4.15668865070386	3.92952814063621e-05	0.0402491115367052	0.000430979433387457
BLCA	ZMYND1	cg03254875	-0.0646916827035588	418	-1.31585406639754	0.188954720306789	0.00418501381101793	0.368706671045965
BLCA	ZMYND1	cg05236965	-0.00610916001447325	418	-0.124004719144865	0.901372013553852	3.73218360824388e-05	0.947956498370603
BLCA	ZMYND1	cg08828193	-0.291870262045993	418	-6.19401979500618	1.42153724615203e-09	0.0851882498667963	4.57160266751349e-08
BLCA	ZMYND1	cg12639781	-0.0825700333996165	418	-1.68173129842375	0.0933787209223842	0.00681781041561378	0.226768565131921
BLCA	ZMYND1	cg13939078	-0.23056273526665	418	-4.80949232624555	2.12560507703083e-06	0.0531591748936394	3.33049992673789e-05
BLCA	ZMYND1	cg14255089	0.262797337200446	418	5.52852518171616	5.74242649122986e-08	0.0690624404396451	1.3220666660513e-06
BLCA	ZMYND1	cg14694828	-0.0898405778184717	418	-1.83096871126102	0.0678272638863016	0.00807132942275687	0.180204028782178
BLCA	ZMYND1	cg17632565	-0.236213853469283	418	-4.93425149083868	1.16993099505358e-06	0.0557969845708079	1.96743648571549e-05
BLCA	ZMYND1	cg22593633	-0.134046395051577	418	-2.74562375349165	0.00630406323270394	0.0179684360263233	0.029827167931211
BLCA	ZMYND1	cg24757747	-0.125560747626131	418	-2.56893555280485	0.0105522646007168	0.015765501344433	0.0444355782368823

BRCA	ACTL6A	cg03667091	0.0287193702419351	111	0.955502116504598	0.339532630915429	0.000824802227093347	0.538800185411641
BRCA	ACTL6A	cg03839554	-0.236925700191868	793	-6.85007701680815	1.48604856079915e-11	0.0561337874114071	6.81235484612902e-10
BRCA	ACTL6A	cg07261848	-0.266806392796462	795	-7.7861006773477	2.16536268598223e-14	0.0711856512370602	1.5597428221602e-12
BRCA	ACTL6A	cg10112003	0.0762108050694601	796	2.15101791309053	0.0317766714989984	0.00580808680933525	0.102987738570141
BRCA	ACTL6A	cg20132173	0.087980347662341	796	2.48562518641309	0.0131376645895165	0.00774054157478639	0.0527445672228336
BRCA	ACTL6A	cg22619386	0.162443477187093	796	4.6331022287989	4.21047637210312e-06	0.0263878832806337	6.11442596399833e-05
BRCA	ACTL6A	cg25198545	0.00145957753335758	111	0.048540606222781	0.961294167257704	2.13036657588219e-06	0.979744506644209
BRCA	ACTL6A	cg25575835	0.0642480688644601	796	1.81184427379303	0.0703888915106905	0.00412781435281241	0.185131970592422
BRCA	ACTL6B	cg05729836	0.103255815740223	796	2.92149209622409	0.00358263616673204	0.0106617634841788	0.0189868245762485
BRCA	ACTL6B	cg08572611	-0.161764638800289	111	-5.45153858417514	6.15568230608118e-08	0.0261677983661881	1.40569290178939e-06
BRCA	ACTL6B	cg09375063	-0.106914651507468	796	-3.02619051136824	0.00255672798733883	0.0114307427069633	0.0144969458489094
BRCA	ACTL6B	cg14088161	-0.0120467703226269	111	-0.400482261873147	0.688878759863702	0.000145124675206125	0.821151757574765
BRCA	ACTL6B	cg16024950	-0.135225158152751	796	-3.8408519047102	0.000132405899824158	0.0182858433974365	0.00122536100058536
BRCA	ACTL6B	cg20497359	0.00769243153132685	796	0.216490617864245	0.828661086700774	5.91735028641515e-05	0.907891259506928
BRCA	ACTL6B	cg24471254	-0.35733291835196	796	-10.7671161623701	2.52343823748021e-25	0.127686814537929	5.27710629694989e-23
BRCA	ACTL6B	cg26990587	-0.203495984604349	796	-5.84927617728276	7.22019294785984e-09	0.0414106157500934	2.03510032676018e-07
BRCA	AEBP2	cg02664216	0.106415476547875	796	3.01189928103041	0.00267876799565952	0.0113242536489113	0.0150463593829846
BRCA	AEBP2	cg07849438	-0.0851246025671974	796	-2.40434568515494	0.0164301039947389	0.00724619796222331	0.062581448793905
BRCA	AEBP2	cg08161947	-0.204903440570882	796	-5.89149864648354	5.65663202789449e-09	0.0419854199577851	1.62320926587246e-07
BRCA	AEBP2	cg24304000	-0.0659201735109299	796	-1.85920207510208	0.063369174538915	0.0043454692757111	0.17130082363152
BRCA	AEBP2	cg26259627	-0.137179787335513	795	-3.89496577502588	0.000106511491385779	0.0188182940534166	0.00101680635180578
BRCA	AFF4	cg00931577	0.0617960981587459	796	1.74242649081235	0.0818219965745391	0.00381875774764535	0.206249121946721
BRCA	AFF4	cg01907658	-0.195106273389911	796	-5.59836603480297	2.98366422538354e-08	0.0380664579160987	7.37950217865538e-07
BRCA	AFF4	cg05619425	0.09523246913058	796	2.69231565699917	0.00724563379997653	0.00906922317670687	0.0332978990923543
BRCA	AFF4	cg06638012	0.0530208483948158	111	1.76577572630825	0.07770935119948	0.00281121036450604	0.19878555000008
BRCA	AFF4	cg07236381	-0.11181666930488	315	-1.98754032671636	0.0477365017146339	0.012502967534437	0.139473199669054
BRCA	AFF4	cg13393914	0.0111413814138135	796	0.313565727937758	0.75393345639237	0.000124130379808068	0.862518083885781
BRCA	AFF4	cg13565585	-0.110026473327467	796	-3.11533368638784	0.001903605299125	0.0121058248328798	0.0114257442049325
BRCA	AICDA	cg07999668	0.0159016759827367	796	0.447569420339938	0.654586362729473	0.000252863299059945	0.798539932604307
BRCA	AIRE	cg08089567	0.0372792335170614	796	1.04986039720289	0.29410254465211	0.00138974125161959	0.491871726511152
BRCA	AIRE	cg09510531	0.0191631084428602	796	0.539396724086613	0.589764743122796	0.000367224725192819	0.752824862603288
BRCA	AIRE	cg11923631	0.0305554010686786	796	0.860306907362423	0.389880231937835	0.000933632534467806	0.587420324575462
BRCA	AIRE	cg12843033	0.0798924959227102	796	2.25558413876902	0.0243688235398737	0.00638281090476026	0.0845749836475993
BRCA	AIRE	cg15955655	0.012098474330902	796	0.340506169409462	0.733565673909082	0.000146373081135495	0.849641307150688
BRCA	AIRE	cg16501323	0.0376491360188646	796	1.06029233166774	0.289334860490525	0.00141745744296697	0.486860099865892
BRCA	AIRE	cg16717549	0.0427924745613477	796	1.20539114186681	0.228412353334644	0.00183119587908359	0.418295920405903
BRCA	AIRE	cg17356252	0.0407380807093708	110	1.35470825114621	0.175787687714989	0.00165959121988321	0.351593453608429
BRCA	AIRE	cg18689454	0.0466407366718407	796	1.31401668469194	0.189221046407026	0.00217535831729199	0.369030612053152
BRCA	AIRE	cg18876487	0.123399687249749	111	4.13545845780804	3.81057970407106e-05	0.0152274828133359	0.000419708675489882
BRCA	AIRE	cg23272544	0.0103614777663386	796	0.291613485926161	0.770658523578452	0.000107360221502329	0.872951408778292
BRCA	AIRE	cg27251412	0.00896628355131177	796	0.252343729751865	0.800840862406073	8.03942407225241e-05	0.891256531286917
BRCA	ARID1A	cg04081153	-0.0668814627044057	796	-1.8864350637081	0.0596019559727044	0.00447313005348081	0.163874834344404
BRCA	ARID1A	cg04360147	0.0247195162945615	796	0.695881496063346	0.486707192049767	0.000611054485837091	0.673094277506926
BRCA	ARID1A	cg14851949	-0.0193623237821494	796	-0.545006262574518	0.585902643421212	0.000374899582244787	0.750233898052963
BRCA	ARID1A	cg17385674	-0.0544441563048314	111	-1.81331582614135	0.0700540826527313	0.00296416615574492	0.184479781135755
BRCA	ARID1A	cg20413923	0.0429897413130651	796	1.21095807510295	0.226272695277444	0.00184811785816426	0.415784629072503
BRCA	ARID1A	cg21294655	0.122152674519628	796	3.46361890505571	0.00056158069272288	0.0149212758922981	0.00413512621009784
BRCA	ARID1A	cg24542126	-0.13251419485632	796	-3.76246074400014	0.000180660760216001	0.0175600118384187	0.00159309943099564
BRCA	ARID1A	cg25601319	-0.0793789660517206	796	-2.24099354998408	0.0253028543877174	0.00630102025144021	0.0869929767539555
BRCA	ARID2	cg00035453	-0.201317823970598	783	-5.73634152030158	1.3844821500631e-08	0.0405288662482565	3.66840614380138e-07
BRCA	ARID2	cg01183821	0.0513936850478957	796	1.44826041946185	0.147939988401409	0.0026413108628023	0.312804526018374
BRCA	ARID2	cg01353809	-0.206016358249548	796	-5.92491221302867	4.65814014114442e-09	0.0424427398664063	1.35771957339898e-07
BRCA	ARID2	cg01751433	-0.00134365443008662	796	-0.0378138216224979	0.969845653181354	1.8054072274914e-06	0.984089486403587
BRCA	ARID2	cg06613666	0.0673540355054696	796	1.89982481668342	0.0578191005407365	0.00453656609887206	0.160206937850507
BRCA	ARID2	cg07276957	0.00133196208342727	796	0.037484768936877	0.970107930191019	1.77412299168791e-06	0.984240076180342
BRCA	ARID2	cg23465749	0.0042528558900746	760	0.11693526171218	0.906942412067365	1.80867832217422e-05	0.950841639389257
BRCA	ARID4A	cg02136725	-0.0737097481591829	796	-2.08003442804297	0.0378434059972716	0.00543312697369017	0.117562092730283

BRCA	ARID4A	cg06154646	0.14494949623269	795	4.12017728331216	4.18481516478412e-05	0.0210103564581106	0.000455255923548057
BRCA	ARID4A	cg08066755	-0.0507929316375532	796	-1.43128729933907	0.152742358192446	0.00257992190433715	0.319729819535657
BRCA	ARID4A	cg08790491	-0.141301654191567	111	-4.7446900660782	2.3616810560638e-06	0.0199661574772731	3.65839538182849e-05
BRCA	ARID4A	cg10064886	0.286018680073949	796	8.40020579218115	2.05127314923523e-16	0.0818066853512438	1.9156871953374e-14
BRCA	ARID4A	cg10242170	0.159730507484952	796	4.55368120753897	6.10079087080023e-06	0.0255138350214003	8.47811584499881e-05
BRCA	ARID4A	cg10844118	-0.262916112079222	796	-7.66891777381465	5.0880177674778e-14	0.0691248819908539	3.4873766890147e-12
BRCA	ARID4A	cg12203852	0.106282314499239	111	3.55472006830538	0.000394361102862963	0.0112959303753152	0.00307004179286714
BRCA	ARID4A	cg14272338	-0.00726150063063361	796	-0.204362130003749	0.838123024630724	5.27293914086923e-05	0.91337035200844
BRCA	ARID4A	cg14460816	-0.0355984046699612	796	-1.00246329510109	0.316426058885801	0.00126724641504632	0.51566965083387
BRCA	ARID4A	cg17323045	0.220427269719002	796	6.35980267634944	3.41190994614909e-10	0.0485881812357736	1.22655324561332e-08
BRCA	ARID4A	cg19548283	-0.132139858430543	792	-3.74215725936056	0.000195695244269558	0.0174609421860439	0.0017044240744185
BRCA	ARID4A	cg20996579	-0.0441578441827933	796	-1.24392525581148	0.21389510724687	0.00194991520287185	0.400465836518086
BRCA	ARID4A	cg26429530	-0.241038160592103	796	-6.98949594610233	5.86015141733669e-12	0.0580993948616245	2.90557437450791e-10
BRCA	ARID4A	cg27026909	-0.25698739676513	796	-7.48360512996369	1.92594179115025e-13	0.0660425220961183	1.21711385622049e-11
BRCA	ARID4B	cg05652840	0.171136684229996	796	4.88832927708852	1.23137966554097e-06	0.0292877646892375	2.05698839813387e-05
BRCA	ARID4B	cg06212607	-0.130643592571805	110	-4.37835386163354	1.30933996120176e-05	0.0170677482800678	0.000165543300734161
BRCA	ARID4B	cg06891548	-0.250092666220257	796	-7.26923390010669	8.68199427136942e-13	0.0625463416971567	4.94644631712198e-11
BRCA	ARID4B	cg07814876	-0.312596057486151	796	-9.26135496701288	1.85531724209519e-19	0.0977162951558852	2.35069298911325e-17
BRCA	ARID4B	cg10107779	0.277125408097262	796	8.11690912648381	1.8232087194924e-15	0.0767984918130741	1.4995383760351e-13
BRCA	ARID4B	cg11732257	-0.173243871827016	796	-4.95036946750082	9.05401196143156e-07	0.0300134391256156	1.56870335529534e-05
BRCA	ARID4B	cg22596515	0.224799321161574	796	6.49259100236577	1.48809424721289e-10	0.0505347347947046	5.74230177915078e-09
BRCA	ARID4B	cg23687319	-0.201976409373409	111	-6.85529185978021	1.1810805394754e-11	0.0407944699433749	5.54167548178223e-10
BRCA	ARID4B	cg26020585	0.23241131637341	796	6.72477473276711	3.36697839260812e-11	0.0540150199784214	1.45119013236079e-09
BRCA	ASH1L	cg03119126	-0.195348769618443	796	-5.60560009356503	2.86623971456014e-08	0.0381611417914394	7.12156666734243e-07
BRCA	ASH1L	cg08095278	0.0978047073988574	796	2.76572838039761	0.00581179502953901	0.00956576078937611	0.0279675109815636
BRCA	ASH1L	cg09410084	0.192521645922352	796	5.52132837059514	4.56280995464306e-08	0.0370645841486514	1.07661279227025e-06
BRCA	ASH1L	cg10558228	-0.0943749671669274	789	-2.65603844790226	0.00806689934299515	0.00890663442775863	0.036162058746627
BRCA	ASH1L	cg17038116	-0.0665433411559097	111	-2.21791977568104	0.0267628793115864	0.00442801625219178	0.0906553789587022
BRCA	ASH1L	cg20064047	-0.235110046670868	796	-6.80740317704325	1.96291886232786e-11	0.0552767340455779	8.79627361612521e-10
BRCA	ASH1L	cg21852905	-0.076034768622056	796	-2.14602043310989	0.0321746161434123	0.00578128603940959	0.104001000883393
BRCA	ASH1L	cg23821590	-0.209455561638269	796	-6.02832121833089	2.53844359010274e-09	0.0438716323012028	7.78348189612098e-08
BRCA	ASH1L	cg24312492	-0.104378538076678	796	-2.95360609461322	0.00323380704920552	0.0108948792110245	0.0175066656635974
BRCA	ASH1L	cg26185843	-0.166981584241895	796	-4.76619564288652	2.23361748829272e-06	0.0278828494759332	3.4829031646471e-05
BRCA	ASH2L	cg00590869	0.366830805614577	796	11.0971414733109	1.07004280452985e-26	0.13456483994784	2.44832088045868e-24
BRCA	ASH2L	cg01642070	0.00951993542045127	796	0.267926872041682	0.788825370671234	9.06291704095627e-05	0.8838270665687
BRCA	ASH2L	cg02897270	0.194110718113463	796	5.56867816262173	3.51646754819025e-08	0.0376789708865243	8.51151451287841e-07
BRCA	ASH2L	cg03189282	-0.0904465479786764	796	-2.55586718818704	0.0107779807266751	0.00818057804125902	0.0452025571540764
BRCA	ASH2L	cg03705346	0.240542832410982	796	6.97424960944497	6.49106905640539e-12	0.057860854224298	3.19396727497787e-10
BRCA	ASH2L	cg10062221	0.339088101202675	796	10.1437556782362	8.15253706346863e-23	0.114980740377235	1.38475648103816e-20
BRCA	ASH2L	cg21453287	0.258849023881671	796	7.54169485122124	1.27261320646557e-13	0.0670028171644938	8.32646524674368e-12
BRCA	ASH2L	cg24318412	0.166786746848375	111	5.62555367849291	2.34152466963229e-08	0.0278178189242641	5.93150668021407e-07
BRCA	ASH2L	cg27255459	0.285744846739698	796	8.39144804971124	2.19659843315943e-16	0.0816501174382933	2.02947955474115e-14
BRCA	ASXL1	cg00174466	-0.0438680383695014	796	-1.23574564113926	0.216919526165435	0.00192440479038804	0.404231246550899
BRCA	ASXL1	cg04218270	-0.062586491698541	796	-1.76479981476755	0.077982790220669	0.00391706894313154	0.199267912783244
BRCA	ASXL1	cg09065199	-0.041973081348023	111	-1.3964805339517	0.162850272988532	0.00176173955784775	0.333590703238009
BRCA	ASXL1	cg10421984	-0.176542974119581	796	-5.04764336017014	5.55255331832892e-07	0.0311674217109872	1.01564856065384e-05
BRCA	ASXL1	cg12592359	-0.190242956188374	796	-5.45350856283823	6.60389987946015e-08	0.0361923823792914	1.49823210038706e-06
BRCA	ASXL1	cg16926526	-0.0225123405850574	796	-0.633714027646021	0.526450433769507	0.000506805478617625	0.70515478993552
BRCA	ASXL1	cg18793288	0.027315747648958	796	0.769020235373284	0.442110563552089	0.000746150069621552	0.634511428410718
BRCA	ASXL1	cg24727216	-0.129537419540106	796	-3.67648219950245	0.000252426192517547	0.0167799430611094	0.002109943399668
BRCA	ASXL2	cg05165989	0.158858502905549	796	4.52817623212062	6.86423804625231e-06	0.0252360239453923	9.39109314252605e-05
BRCA	ASXL2	cg05496738	0.0162209500452646	796	0.456558066942578	0.648113904548975	0.00026311922037097	0.793909851717419
BRCA	ASXL2	cg06583696	0.0464051962736168	796	1.30736641131481	0.191467702603062	0.0021534422411929	0.371911072566857
BRCA	ASXL2	cg09476286	0.0195746169078083	796	0.550984119022674	0.581799950585929	0.000383165627087456	0.747137685309632
BRCA	ASXL2	cg19084174	-0.0684333599773824	796	-1.93041094302071	0.0539126554936438	0.00468312475779401	0.152428897745685
BRCA	ASXL2	cg20667782	0.0989448813831974	796	2.79828721783735	0.00526222841232322	0.009790089551935	0.0258212310526222
BRCA	ASXL2	cg24738909	-0.0134141933742477	796	-0.377542833214445	0.705871388447848	0.000179940583881712	0.832259212371962

BRCA	ASXL3	cg09963640	-0.0965776621800844	796	-2.73070112622353	0.00646045548488339	0.0093272448321705	0.0303981132689946
BRCA	ASXL3	cg12361352	-0.0800321682950455	784	-2.24236970986523	0.0252177037392407	0.00640514796200649	0.0867816528660751
BRCA	ASXL3	cg17880622	-0.101148686752661	796	-2.86125080664145	0.00433089036620041	0.0102310568317879	0.022121949123322
BRCA	ASXL3	cg20034091	-0.073587311615358	796	-2.07656053246302	0.038164076660959	0.0054150924307758	0.118270174073324
BRCA	ASXL3	cg20329085	-0.0705370756478593	796	-1.99004615751101	0.0469292558201095	0.00497547904095183	0.137756189241174
BRCA	ASXL3	cg24880056	-0.0800467219797174	796	-2.259966415369	0.0240941990272493	0.00640747769969817	0.0838262026781335
BRCA	ASXL3	cg27109877	-0.0830738182041874	795	-2.34453217940095	0.0192974218522482	0.00690125927102238	0.0707924000553521
BRCA	ATAD2B	cg08192560	-0.0128416495282652	796	-0.361425854206357	0.717877518020448	0.000164907962606794	0.83977269310521
BRCA	ATAD2B	cg14009731	-0.132426492264288	796	-3.75992615078168	0.000182468312020693	0.0175367758534235	0.00160576242820563
BRCA	ATAD2B	cg15717719	0.170812834394989	796	4.87880058382551	1.29054710787638e-06	0.0291770243940499	2.14385696583676e-05
BRCA	ATAD2B	cg16929802	0.0509102363535084	796	1.43460139315275	0.151795449968007	0.00259185216557009	0.318266556299516
BRCA	ATAD2B	cg17933838	-0.0243080381702973	796	-0.68429102900696	0.493991587858407	0.000590880719688632	0.679255896243229
BRCA	ATAD2B	cg19614157	-0.0875617593663803	796	-2.47370761777984	0.0135805562499759	0.00766706170333589	0.0541121590304559
BRCA	ATAD2B	cg20806130	-0.120417059516308	796	-3.4136764296016	0.000673497576430178	0.014500268222554	0.00482227983992722
BRCA	ATAD2B	cg27610867	-0.0830120997660228	796	-2.34425868257395	0.0193111670481428	0.00689100870756412	0.0708361434054708
BRCA	ATAT1	cg01245721	-0.265616150843184	796	-7.75361989699075	2.74413863200459e-14	0.0705519395887492	1.95134845281686e-12
BRCA	ATAT1	cg05093836	-0.0373836185142944	796	-1.05280420316718	0.292751829102948	0.00139753493322229	0.490445684237117
BRCA	ATAT1	cg06814856	-0.0848776453176972	796	-2.39731968345109	0.0167462132598139	0.0072042146746768	0.0634963646894752
BRCA	ATAT1	cg07142893	-0.102576237156085	796	-2.90205913502788	0.00381003872838377	0.0105218844291013	0.0199729213501272
BRCA	ATAT1	cg07816366	-0.0881480690925382	796	-2.49040073173288	0.0129638138359553	0.00777008208474289	0.0522217757639967
BRCA	ATAT1	cg08081524	-0.12658581619283	796	-3.5913305277471	0.000349279176922466	0.0160239688612048	0.00277461700086861
BRCA	ATAT1	cg08188471	-0.0871130436433139	786	-2.4453482105868	0.014690795184938	0.00758868237280191	0.0574472564902518
BRCA	ATAT1	cg08635134	-0.0971655302880006	796	-2.74748084095712	0.00614198592662282	0.00944114027614836	0.0292291951535876
BRCA	ATAT1	cg09532691	-0.203580199344725	796	-5.85180147990816	7.11587165399637e-09	0.0414448975652381	2.00860710976413e-07
BRCA	ATAT1	cg12907138	-0.0628529737433207	796	-1.77234375465379	0.0767218863101737	0.00395049630837856	0.197073127667477
BRCA	ATAT1	cg13542073	-0.236752051600659	796	-6.85775869370458	1.40896061118985e-11	0.0560515339371209	6.51656847722374e-10
BRCA	ATAT1	cg13964084	-0.085486309212719	111	-2.85342754866969	0.0044056685277601	0.0073079090628126	0.0224317414391367
BRCA	ATAT1	cg15381130	-0.0950113329947137	796	-2.68600690438046	0.00738259056482529	0.00902715339743237	0.0337657269915938
BRCA	ATAT1	cg15729859	-0.0621704353386508	796	-1.75302227669067	0.0799850557179106	0.00386516303019736	0.203033165547007
BRCA	ATAT1	cg18298197	-0.0237232478581096	796	-0.667819322064155	0.504443481778993	0.000562792488937303	0.687712872600124
BRCA	ATAT1	cg20629923	-0.0394213689365476	796	-1.11027870740065	0.267215917854917	0.0015540443288314	0.462917986763581
BRCA	ATAT1	cg22759096	-0.212672789595179	796	-6.12526766550092	1.42503273705258e-09	0.0452297154341953	4.57905810600035e-08
BRCA	ATAT1	cg23328390	-0.094629717120972	796	-2.67512079765197	0.00762439716015755	0.00895478336239517	0.0346435577756729
BRCA	ATAT1	cg26934609	-0.0968288718642474	795	-2.73614213373132	0.00635577086822967	0.00937583042650284	0.0300127407731145
BRCA	ATF7IP	cg00236831	-0.0596965148060565	796	-1.68301036966634	0.092767197033367	0.00356367387998972	0.225741541055828
BRCA	ATF7IP	cg11409060	-0.0650838454676628	792	-1.83087242234526	0.0674970627163317	0.00423590694085862	0.179549291211823
BRCA	ATF7IP	cg11697652	-0.0425036547476061	315	-0.751443300140642	0.452952345143275	0.0018065606669037	0.643345219020895
BRCA	ATF7IP	cg12526346	-0.240902936276703	796	-6.98533312995688	6.02617658439828e-12	0.0580342247067371	2.98408899558676e-10
BRCA	ATF7IP	cg12948116	-0.208060317846077	796	-5.98634147605103	3.25141018879251e-09	0.0432890958622106	9.73595859226037e-08
BRCA	ATF7IP	cg17439009	-0.0159513507251751	796	-0.448967923578964	0.653577615720992	0.000254445589957543	0.797809776202712
BRCA	ATF7IP	cg19789919	-0.0594585128229869	796	-1.67627657975689	0.094078684503015	0.00353531474712129	0.227970258604147
BRCA	ATF7IP	cg21275967	-0.0363550288854389	796	-1.02379799712809	0.306243296444372	0.0013216881252611	0.504711374353187
BRCA	ATF7IP	cg26637901	-0.184640988733889	102	-5.98834972752384	2.9377454542647e-09	0.0340922947206282	8.87185442038307e-08
BRCA	ATM	cg01756564	-0.205003039706653	796	-5.89448797649842	5.55941147035572e-09	0.0420262462889677	1.59825889107484e-07
BRCA	ATM	cg01800843	-0.129245159142435	111	-4.33264750430667	1.60734184887967e-05	0.0167043111617534	0.000197756684788463
BRCA	ATM	cg01991180	-0.0985761836840721	794	-2.78423534500436	0.00549369583802129	0.00971726398971593	0.0267411196360298
BRCA	ATM	cg02105423	0.153238296165686	796	4.36405055824567	1.44581776411953e-05	0.0234819754117626	0.000180539240998258
BRCA	ATM	cg03165700	-0.139039646029674	110	-4.66299997091873	3.49740695241387e-06	0.019332023168057	5.18637583789715e-05
BRCA	ATM	cg03569616	-0.178208505396514	791	-5.08070402835082	4.70003449936844e-07	0.0317582713956594	8.73052731241328e-06
BRCA	ATM	cg04709886	-0.132507003860783	796	-3.76225292180329	0.000180808331992867	0.0175581060721615	0.00159367815307649
BRCA	ATM	cg04826772	0.0841244081230895	796	2.37589262094621	0.0177435181217834	0.00707691604206012	0.0664167468010401
BRCA	ATM	cg05033322	-0.156654207499822	795	-4.46093292662142	9.34263071591714e-06	0.0245405407273973	0.000123353804126622
BRCA	ATM	cg05637308	-0.0624450147543262	796	-1.76079484512921	0.0786590252139941	0.00389937986766802	0.200465199262816
BRCA	ATM	cg06053805	-0.062190626940623	796	-1.75359383033149	0.0798869304308193	0.00386767407926775	0.202830413379085
BRCA	ATM	cg06081482	-0.170602128972589	792	-4.86028170872292	1.4147879345991e-06	0.02910508640998	2.32149362126561e-05
BRCA	ATM	cg06750635	-0.0120053559680332	796	-0.33788501532831	0.735539378284541	0.000144128571919189	0.850913814862856
BRCA	ATM	cg09808176	-0.0772748251315221	796	-2.18122858978832	0.0294599537502751	0.00597139859910731	0.0973745599103034

BRCA	ATM	cg10610482	-0.294799959449021	796	-8.68225440725656	2.19425312400645e-17	0.0869070160911444	2.2699431852255e-15
BRCA	ATM	cg10976287	-0.115604295667118	796	-3.27535336884819	0.00110117655498922	0.0133643531766904	0.00726897996765648
BRCA	ATM	cg11588932	-0.07309955921203	796	-2.06272245506453	0.0394645248452553	0.00534354555699309	0.1212952173289
BRCA	ATM	cg12019961	-0.292844175209742	758	-8.41549009050545	1.95395359521231e-16	0.0857577109542739	1.82919212979479e-14
BRCA	ATM	cg12106634	-0.0777086781245157	796	-2.19354910532927	0.0285577966442637	0.00603863865585958	0.0951486244440384
BRCA	ATM	cg12848864	-0.286977942128684	796	-8.43090262693265	1.61297764595928e-16	0.0823563392684141	1.52652047432794e-14
BRCA	ATM	cg14761454	-0.11006111175504	784	-3.09460965154785	0.00204100874282584	0.0121134483207553	0.0120909407660214
BRCA	ATM	cg15370815	0.0895754624054889	796	2.53105169443318	0.0115645914635703	0.00802376346515716	0.0477549672656186
BRCA	ATM	cg15504467	-0.174982766378497	796	-5.00161904834254	7.00506753121375e-07	0.0306189685294717	1.24588985716334e-05
BRCA	ATM	cg16693212	-0.138245760240365	785	-3.90092502203316	0.00010407883535124	0.0191118902244364	0.00099700885572151
BRCA	ATM	cg16788234	0.173510704525141	796	4.95823058207518	8.705908242818e-07	0.0301059645848107	1.5144620437447e-05
BRCA	ATM	cg17114932	-0.179926842407162	796	-5.14759902842501	3.33076541254094e-07	0.0323736686186116	6.39786579020271e-06
BRCA	ATM	cg17420659	-0.135043323428353	796	-3.83559118062893	0.000135219357132963	0.0182366992025749	0.00124665260355555
BRCA	ATM	cg18042593	-0.112710631670922	796	-3.19230013906565	0.00146717520021151	0.0127036864916583	0.0092299391497052
BRCA	ATM	cg18391757	-0.060608728677689	795	-1.70774317130305	0.0880763908638155	0.00367341799192572	0.21755936847843
BRCA	ATM	cg18457775	-0.224064415238598	111	-7.64602092214999	4.48565858915535e-14	0.0502048621762147	3.10460252922377e-12
BRCA	ATM	cg19288979	0.116153082593072	796	3.29111398170316	0.00104208783922781	0.013491538595873	0.00694786951932411
BRCA	ATM	cg20342375	-0.144676753864138	796	-4.11485728535126	4.27989575234579e-05	0.0209313631086643	0.000464171490531143
BRCA	ATM	cg22477592	0.00119337049316698	111	0.0396874475030123	0.968349471830038	1.4241331339616e-06	0.983379398362326
BRCA	ATM	cg22678707	-0.0986028845937266	796	-2.78851998633817	0.00542193663415605	0.00972252885020377	0.0264613637714891
BRCA	ATM	cg22837512	-0.0663473679241668	796	-1.87130369781922	0.0616714623747312	0.00440197323046476	0.167973872417192
BRCA	ATM	cg23275463	-0.237601056604596	785	-6.85333115199395	1.45948610271311e-11	0.0564542620996204	6.70639467657789e-10
BRCA	ATM	cg23389069	0.00180370429947753	796	0.0507608210053895	0.95952890982022	3.25334919995373e-06	0.97885588411123
BRCA	ATM	cg24030675	0.000340923572919305	796	0.00959444035347167	0.992347277780327	1.16228882572064e-07	0.995970431650253
BRCA	ATM	cg24568245	-0.24462631397675	795	-7.09563060013725	2.86367831591427e-12	0.0598420334898517	1.50829664811239e-10
BRCA	ATM	cg25400013	-0.00348667552779057	796	-0.098124343515672	0.921858384990958	1.21569062360937e-05	0.959045279896789
BRCA	ATM	cg25740661	0.0928020342725926	796	2.62300009217936	0.00888351234864086	0.00861221756513146	0.0389496680183828
BRCA	ATM	cg25918541	-0.0390433035721502	796	-1.09961439283603	0.271834295799448	0.00152437955382707	0.468156056040873
BRCA	ATM	cg27453365	-0.0895724834785802	794	-2.52776915559622	0.0116728676345741	0.00802322979652052	0.048102960339213
BRCA	ATM	cg27599391	-0.214366313856436	793	-6.16467431761754	1.12632063247707e-09	0.0459529165163961	3.69397079607592e-08
BRCA	ATR	cg00911981	0.25220503363056	796	7.33478434923856	5.49968321034286e-13	0.0636073789885918	3.23388023934552e-11
BRCA	ATR	cg00969988	-0.0566104349743984	796	-1.59571784158477	0.110950725499954	0.0032047413479906	0.256465779134971
BRCA	ATR	cg11458642	0.0518796529184103	111	1.72766631137436	0.0843272211822861	0.00269149838693472	0.210781474943121
BRCA	ATR	cg11936145	0.0207508881102993	796	0.584107527441018	0.55931429534374	0.000430599357366161	0.730141061734951
BRCA	ATR	cg15135999	-0.131399346015546	796	-3.73024843481836	0.000204940172082548	0.0172657881333132	0.00177165415568282
BRCA	ATR	cg15291273	-0.169130322041222	796	-4.82932184501038	1.64456673320325e-06	0.0286050658337675	2.65705969767007e-05
BRCA	ATR	cg15480357	0.0534496141953799	796	1.5063587446367	0.132373830763106	0.00285686125763495	0.28973046142377
BRCA	ATR	cg16031872	-0.0622000661492157	795	-1.75275343683806	0.080031733666966	0.0038688482289668	0.20312514074216
BRCA	ATR	cg17945282	-0.142178159521447	796	-4.04231360636962	5.80929033226339e-05	0.020214629044906	0.000604738112394606
BRCA	ATR	cg20032934	-0.00486944320890105	796	-0.137039903730473	0.891034082517216	2.37114771647125e-05	0.942381675700361
BRCA	ATR	cg20636078	0.0413616122063138	111	1.37672383675942	0.168876261075175	0.00171078296430549	0.34215068505566
BRCA	ATR	cg24631870	-0.0326564599950865	796	-0.919524689486494	0.3581011640911	0.00106644437941069	0.55708444736343
BRCA	ATR	cg24856922	0.145777802135521	796	4.14685032597771	3.73479309179611e-05	0.0212511675954631	0.000412353808945766
BRCA	AURKB	cg02245743	-0.0441492912385465	796	-1.24368384902133	0.213983928887808	0.001949159916866	0.400588353496232
BRCA	AURKB	cg04612488	-0.0887286955257742	796	-2.50693460465619	0.0123775545403274	0.00787278140970553	0.0503687544023764
BRCA	AURKB	cg05617798	-0.089141215669178	796	-2.51868306014204	0.0119753968792874	0.0079461563309789	0.0490607206712983
BRCA	AURKB	cg05811247	-0.0629934680328023	796	-1.77632121316016	0.0760638226846818	0.00396817701479969	0.195872526379746
BRCA	AURKB	cg11009596	-0.0494902420050671	111	-1.64789542738666	0.0996581635091098	0.00244928405372011	0.237670360883743
BRCA	AURKB	cg12844497	-0.0122311351357251	111	-0.40679613292239	0.68423643490863	0.000149600666708368	0.818172569779462
BRCA	AURKB	cg13678641	-0.10239682174754	796	-2.89692932915976	0.0038722206763914	0.0104851091039975	0.0202361638653226
BRCA	AURKB	cg21724796	-0.0833356267628999	796	-2.35345884271105	0.018843194774381	0.00694482668796536	0.0695623544003319
BRCA	BAP1	cg00794529	-0.132072685751925	796	-3.74970210180542	0.000189934003097736	0.0174431943217266	0.00166094040433737
BRCA	BAP1	cg02503646	-0.0768841373556939	795	-2.16876447540132	0.0303978882418781	0.00591117057692921	0.099682726378985
BRCA	BAP1	cg03075736	0.0037921767311354	796	0.106722080389285	0.915036491245047	1.43806043601648e-05	0.95509719177144
BRCA	BAP1	cg05442719	0.0280177162538172	796	0.788798088271027	0.43046607601235	0.000784992424079415	0.624467197204803
BRCA	BAP1	cg05908979	-0.0104966561692335	796	-0.295418364144802	0.767751735896066	0.000110179790735109	0.871313506987396
BRCA	BAP1	cg09096430	0.0524824928848093	796	1.47902659936842	0.139530813612492	0.00275441205940406	0.300624812755704

BRCA	BAP1	cg10449522	-0.0356954625534785	796	-1.00519996064296	0.31510757995887	0.00127416604690678	0.514249646278044
BRCA	BAP1	cg10956904	0.0230671287064397	796	0.649339321365435	0.516307335874375	0.000532092426759455	0.697428641402496
BRCA	BAP1	cg11234564	0.0980255542625941	796	2.77203402626699	0.00570147659177278	0.00960900928848879	0.027547174023875
BRCA	BAP1	cg12859382	-0.0104536303529667	796	-0.294207311019012	0.768676583303894	0.000109278387556467	0.871773422187701
BRCA	BAP1	cg16841708	-0.0345349575612722	796	-0.972479948846484	0.331108742630055	0.00119266329375887	0.530781048943158
BRCA	BAP1	cg24291822	0.0196126229372829	796	0.552054319732448	0.581066877849711	0.000384654978480037	0.746733570586279
BRCA	BAP1	cg24747396	-0.0423270516053021	111	-1.40891556354657	0.159141210771283	0.00179157929759791	0.328581457754966
BRCA	BAP1	cg25749966	-0.00812614213435845	796	-0.228697461851385	0.819163105192861	6.60341859877958e-05	0.902710918851084
BRCA	BAZ1A	cg00169548	-0.103831105557743	315	-1.84398985902689	0.06613264438886	0.0107808984813432	0.176770304342598
BRCA	BAZ1A	cg05294307	0.129343635215648	796	3.65695732028734	0.000272228176388645	0.0167297759707987	0.00225127232422433
BRCA	BAZ1A	cg07414384	-0.203035262227369	111	-6.89588964009846	8.98396602383897e-12	0.0412233177077366	4.30621474342901e-10
BRCA	BAZ1A	cg23422263	-0.0520517391631789	796	-1.46685426940145	0.142812653065139	0.00270938354991161	0.305435736379032
BRCA	BAZ1A	cg26967526	0.0957200249112685	795	2.70451745373825	0.00698739619203781	0.00916232316901387	0.0323471800317891
BRCA	BAZ1B	cg00525989	0.0909039716355074	796	2.56890064209602	0.0103842346895478	0.00826353205910913	0.043889555223225
BRCA	BAZ1B	cg04742505	0.126544426961103	796	3.59013717260636	0.000350856249810354	0.0160134919949138	0.00278458591080868
BRCA	BAZ1B	cg05166819	-0.0222787293212403	796	-0.627134674590538	0.530751701906427	0.000496341780169091	0.708525060456604
BRCA	BAZ1B	cg06059318	0.121693237578123	796	3.45039544739666	0.000589391244880999	0.0148092440722455	0.0043089091724718
BRCA	BAZ1B	cg06394887	0.176636389034617	796	5.05040023344852	5.47547816859383e-07	0.0312004139311884	1.00296526641768e-05
BRCA	BAZ1B	cg14093368	0.0540275846174558	111	1.79940072454518	0.0722278012348609	0.00291897989959634	0.188584983026171
BRCA	BAZ1B	cg15636799	-0.0026306677344979	796	-0.0740338085771865	0.94100217760465	6.92041272932831e-06	0.968477693314672
BRCA	BAZ1B	cg19160975	-0.0732697944415317	796	-2.06755204802914	0.0390064405302661	0.00536846277750431	0.120257877961856
BRCA	BAZ1B	cg20612831	-0.0500745485944602	796	-1.41099282601047	0.158639404073067	0.00250746041693895	0.327830888576443
BRCA	BAZ1B	cg21340129	-0.128281121105256	796	-3.64022686995437	0.000290088008677067	0.0164560460320214	0.00237678603510501
BRCA	BAZ1B	cg25710357	0.11121003061892	796	3.14926279338899	0.00169826463785398	0.0123676709102611	0.0104101173459312
BRCA	BAZ2A	cg14634319	0.0692432878609783	111	2.30833528352473	0.0211642549473904	0.00479463291379831	0.0760530677684114
BRCA	BAZ2A	cg18206859	0.0467522101354177	796	1.31716411516941	0.188164565618185	0.00218576915254626	0.367633779985963
BRCA	BAZ2A	cg18955060	-0.0783957300986556	796	-2.21306250886693	0.0271777319756367	0.00614589049770125	0.0916989889344115
BRCA	BAZ2A	cg25683012	0.0106095750794953	111	0.35285802427772	0.724262116158155	0.000112563083367447	0.843841862952819
BRCA	BRD7	cg03021120	-0.314355327452084	796	-9.31917501250057	1.13678283706117e-19	0.0988192718975069	1.47637535937123e-17
BRCA	BRD7	cg16433860	-0.254459917639219	796	-7.40488093423689	3.36243469012734e-13	0.0647498496849579	2.03720595236578e-11
BRCA	BRD7	cg16834187	0.137078795601487	110	4.58762885111294	4.99844177683392e-06	0.0187905962035543	7.12568773294883e-05
BRCA	BRD8	cg01096096	0.0807756145652164	796	2.28067984549687	0.0228322317035156	0.0065246999083884	0.0804807717781282
BRCA	BRD8	cg03204906	-0.00756857874006507	796	-0.213004786916083	0.831378042953921	5.72833841445649e-05	0.909651953567734
BRCA	BRD8	cg03684156	-0.0429596038764861	796	-1.21010757746883	0.226598654569928	0.0018455275652246	0.416137856368193
BRCA	BRD8	cg07430605	0.0355997939183652	111	1.18467827002416	0.23639918389687	0.00126734532703008	0.427737126242132
BRCA	BRD8	cg07632946	-0.166298441490536	796	-4.74614077446036	2.45996819073755e-06	0.0276551716421812	3.78801990162781e-05
BRCA	BRD8	cg08976717	0.0924296849001527	796	2.61238496508305	0.00916168097220998	0.00854324665074151	0.0398681998966327
BRCA	BRD8	cg11110536	0.0486163181494956	796	1.36980422457124	0.171136238799088	0.00236354639041298	0.345219047352166
BRCA	BRD8	cg11346339	0.0714749441041539	796	2.0166409956122	0.044070045000698	0.00510866763469193	0.131552322657776
BRCA	BRD8	cg12964860	-0.242032219319241	796	-7.02011085725909	4.76969030020269e-12	0.0585795951885972	2.40631184963663e-10
BRCA	BRD8	cg14473243	-0.0138492943265284	796	-0.389791073561683	0.696795841104249	0.000191802953342811	0.826191873999401
BRCA	BRD8	cg22106577	0.086536207178675	796	2.44451483271635	0.0147217324112517	0.00748851515287057	0.0575335301517592
BRCA	BRD8	cg22818036	-0.050058017885737	796	-1.41052585594723	0.158777097620768	0.00250580515464877	0.328028297233037
BRCA	BRD8	cg23298160	0.00022746657227177	796	0.00640147693810868	0.99489400730692	5.17410415010682e-08	0.997348081450852
BRCA	BRD8	cg26008208	-0.0329029200532552	796	-0.926471884602999	0.35448302740434	0.0010826021480309	0.553470198372167
BRCA	BRD8	cg26630792	0.0696798462257571	796	1.96574261623082	0.0496773417250652	0.00485528097004516	0.143595999039859
BRCA	BRD8	cg27119451	-0.081294888139174	111	-2.71256816129948	0.00678000239192547	0.00660885883756082	0.0315853348151057
BRCA	BRD9	cg02364331	-0.0299254728489374	796	-0.842554809534808	0.399731834933756	0.000895533925232487	0.596362733331479
BRCA	BRD9	cg02822723	0.0180560653835692	111	0.600580861274314	0.548242234147184	0.000326021497135726	0.721420245616303
BRCA	BRD9	cg05193570	-0.0527314673051621	796	-1.48606254840003	0.137660520293454	0.00278060764415538	0.297757952391396
BRCA	BRD9	cg07308931	-0.090755829606914	796	-2.56467942573977	0.0105103320417244	0.0082366206076392	0.0442997654469258
BRCA	BRD9	cg09497020	0.0478793618687443	796	1.34899180491785	0.177725147602383	0.00229243329295817	0.354168727737045
BRCA	BRD9	cg10551270	-0.258467004884276	796	-7.52976711437022	1.38592623749299e-13	0.0668051926138485	8.98472880996081e-12
BRCA	BRD9	cg10600960	0.0281419339048563	796	0.792298021453226	0.428424172645729	0.0007919684439053	0.622619654152846
BRCA	BRD9	cg13722821	-0.0700923764938725	796	-1.97743782289529	0.048338492493661	0.00491294124255878	0.140687817915069
BRCA	BRD9	cg17977043	0.00442718900797327	796	0.124593363589392	0.900877098004727	1.96000025123193e-05	0.947756916698398
BRCA	BRD9	cg20079193	-0.0934339977208048	796	-2.6410189738812	0.0084285945756795	0.00872991193009136	0.0373955792414972

BRCA	BRD9	cg21160852	0.065184887901946	796	1.83837520293703	0.0663814473801894	0.00424906961078927	0.177272785213543
BRCA	BRD9	cg21758832	-0.079448637000511	796	-2.24297295960328	0.0251743476293608	0.00631208592123896	0.0866746271068155
BRCA	BRD9	cg21910709	-0.0517239682759669	796	-1.4575926005805	0.145349254212986	0.00267536889421323	0.309196059126197
BRCA	BRD9	cg24953233	-0.119262781280175	796	-3.38047958859951	0.000759030911672493	0.014223610998683	0.00533020858843202
BRCA	BRD9	cg25523559	0.0522343363429854	796	1.47201403856888	0.141414327533324	0.00272842589319213	0.30347057804248
BRCA	BRD9	cg25951128	-0.0776163755306505	796	-2.19092780040111	0.0287477167167302	0.00602430175051496	0.0956266678562237
BRCA	BRD9	cg26504197	0.036809051218736	796	1.0366010102692	0.300238226370923	0.00135490625162353	0.498542777932677
BRCA	BRDT	cg00308185	-0.00304651151366126	796	-0.0857368315696145	0.931697291504133	9.2812324028706e-06	0.963743121433367
BRCA	BRDT	cg01515515	0.0719890971372501	794	2.02865665031047	0.0428282284217166	0.00518243010663642	0.128724614682959
BRCA	BRDT	cg02935097	0.0251917213630279	796	0.709182948946611	0.478419660648095	0.000634622825232434	0.665955589277644
BRCA	BRDT	cg03421440	0.0198213456582867	796	0.557931724816887	0.577048677038805	0.00039288574370528	0.743682798760114
BRCA	BRDT	cg06442199	0.0433765559574103	796	1.22187452533073	0.222118623906725	0.00188152560672635	0.410644174723729
BRCA	BRDT	cg09250199	-0.0155201272536064	796	-0.43682771025256	0.662355369096	0.000240874349968136	0.803636661897953
BRCA	BRDT	cg13299824	0.0505913281121858	796	1.42559173352863	0.154380214187622	0.00255948248015484	0.321885084358818
BRCA	BRDT	cg14732540	0.0576563959314803	111	1.91978098944548	0.055142809503017	0.00332425999180762	0.154927217395995
BRCA	BRDT	cg19245011	0.0848499495759043	796	2.3965317597528	0.0167819944737049	0.00719951394303351	0.0636010365902176
BRCA	BRPF1	cg04879506	-0.0354822662608658	796	-0.999188668161299	0.318008478533391	0.00125899121900697	0.517317376500912
BRCA	BRPF1	cg13694772	0.0211615456889311	796	0.5956720736027	0.551564495589799	0.000447811015944717	0.723960390253131
BRCA	BRPF1	cg14712964	0.010678867458677	111	0.355162843403722	0.722535316441965	0.00011403821019999	0.842795123584416
BRCA	BRPF1	cg17738494	0.179036061606237	111	6.05191047084287	1.95703206028408e-09	0.0320539113554724	6.12164664647125e-08
BRCA	BRPF1	cg20952324	0.116106700378632	796	3.28978181280142	0.00104696622178601	0.0134807658728135	0.00697445540825664
BRCA	BRPF1	cg25467642	0.0149441965275143	796	0.420613939733259	0.674151113564795	0.000223329009852971	0.811627152740914
BRCA	BRPF1	cg26227975	0.00890994163863883	796	0.250757937751149	0.802066301552332	7.93870600039499e-05	0.891983763652846
BRCA	BRPF3	cg01499736	0.0400175001952437	796	1.1270951083333	0.260043628865591	0.00160140032187633	0.455124616166163
BRCA	BRPF3	cg05882415	0.00114258227197734	796	0.0321551363614439	0.974356435072221	1.3054942482369e-06	0.986610049110127
BRCA	BRPF3	cg10562781	0.039969104072896	796	1.12572984650201	0.260620892596527	0.00159752928039	0.45582728295722
BRCA	BRPF3	cg14654948	-0.0598109077967175	796	-1.68624699288043	0.0921420789499568	0.00357734469146744	0.224571599668941
BRCA	BRPF3	cg18779695	0.0175217549312626	796	0.493181604937494	0.622020987930782	0.000307011895871224	0.776059764289379
BRCA	BRPF3	cg23517469	0.0487636886872336	796	1.37396639133914	0.169840832544342	0.00237789733438543	0.34346983796804
BRCA	BRWD3	cg03164831	-0.064747335763798	111	-2.15780258048501	0.0311579438103425	0.00419221748850999	0.101528905117776
BRCA	BRWD3	cg05835545	-0.134975141689184	796	-3.83361869264314	0.000136288724019484	0.0182182888740152	0.00125547010022164
BRCA	BRWD3	cg09523186	-0.15761582445612	796	-4.49184830737033	8.11139473751507e-06	0.0248427481189824	0.000108852482699715
BRCA	BRWD3	cg11957438	-0.192730526711984	774	-5.4502376374062	6.77657328957919e-08	0.0371450559266787	1.53026046794517e-06
BRCA	BRWD3	cg15511898	-0.0829842513816745	796	-2.34346679102547	0.0193519187629745	0.00688638597737695	0.0709688949345606
BRCA	BRWD3	cg22618269	-0.16556833653757	796	-4.721731299165	2.76589181469395e-06	0.0274128740638181	4.21570900925355e-05
BRCA	BRWD3	cg25063710	-0.164360230222721	111	-5.53891432880274	3.8023458621308e-08	0.0270142852788657	9.16639894634656e-07
BRCA	BRWD3	cg25708850	-0.138661619710609	779	-3.89782986932521	0.00010545824884894	0.0192270447807697	0.00100822981742466
BRCA	CARM1	cg12317676	0.0625110051586386	111	2.0829758660886	0.0374827036219784	0.00390762576594334	0.116735235420481
BRCA	CARM1	cg17918830	-0.23821590842678	796	-6.90270339686322	1.04618349730502e-11	0.056746819027596	4.9445199872021e-10
BRCA	CARM1	cg22378614	-0.145643238415192	796	-4.14293948066117	3.79769758551212e-05	0.0212119528960645	0.000418526825283086
BRCA	CARM1	cg26504915	-0.11715835502515	796	-3.31999233856646	0.000941379392971549	0.013726080152199	0.00638368797915173
BRCA	CBX1	cg01544580	0.100610134384993	796	2.84586026129907	0.00454356303536607	0.0101223991409663	0.022961020058027
BRCA	CBX1	cg01553295	0.0979060528048575	796	2.76862195518263	0.00576093421479173	0.00958559517582754	0.0277622570962961
BRCA	CBX1	cg02835499	-0.0589567439516789	796	-1.66208097205317	0.0968922440496296	0.00347589765738383	0.232771986381392
BRCA	CBX1	cg04864609	-0.103071976725543	796	-2.91623470142136	0.00364290469682558	0.0106238323861109	0.0192354665027387
BRCA	CBX1	cg11729481	0.0673986998792613	796	1.90109039155039	0.05765290990263	0.00454258474541474	0.159906249036124
BRCA	CBX1	cg12245530	0.0962683267786798	796	2.72187282255761	0.00663391961023775	0.00926759074076668	0.031047957054436
BRCA	CBX1	cg13342109	-0.0113767373700325	796	-0.320190491357338	0.748908383636799	0.000129430153186694	0.859325921069075
BRCA	CBX1	cg17778721	0.128676305160398	111	4.3132561962807	1.75249555765106e-05	0.0165575915097318	0.000213459091998472
BRCA	CBX1	cg21511817	-0.0422466838158274	796	-1.18998947975111	0.234407112800463	0.0017847822934345	0.425346774892685
BRCA	CBX4	cg04398978	0.0813501931893815	111	2.71442581552325	0.00674234974447688	0.00661785393194969	0.0314454486595061
BRCA	CBX4	cg04925705	0.0812977172477711	796	2.2955190499562	0.02196389495903	0.00660931882969854	0.078161283600514
BRCA	CBX4	cg05949524	-0.123880886095466	796	-3.51338039598999	0.000467528719259054	0.0153464739397977	0.00354457939635892
BRCA	CBX4	cg07159673	0.187034229419656	796	5.35816316071759	1.10310180896824e-07	0.0349818029746044	2.37553348750728e-06
BRCA	CBX4	cg10756274	-0.0235156525017222	796	-0.661972178534621	0.508181609686666	0.000552985912581755	0.690770389194046
BRCA	CBX4	cg21365914	-0.0200720962376417	796	-0.564992685302723	0.572238734495049	0.000402889047373151	0.739874021262264
BRCA	CBX4	cg22353329	0.153271151793336	796	4.36500875638222	1.43964335571606e-05	0.0234920459720558	0.000179941541154523

BRCA	CBX4	cg27487227	-0.025101686327265	796	-0.706646733130667	0.479993876448844	0.000630094656472402	0.667270977783963
BRCA	CBX5	cg03689456	-0.0773676801337996	796	-2.18386537211523	0.0292648388195134	0.00598575792928593	0.0969180685916022
BRCA	CBX5	cg05754589	-0.0769191266681126	111	-2.56566817311299	0.0104286026429682	0.00591655204738514	0.0440411874494908
BRCA	CBX5	cg06399839	-0.162910352704726	796	-4.64678063616222	3.9477417845851e-06	0.0265397830183783	5.77167119695571e-05
BRCA	CBX5	cg06621757	-0.0166251623621278	796	-0.467938213917609	0.63995751223959	0.000276396023567112	0.788471115553549
BRCA	CBX5	cg08288469	0.109270388607185	796	3.09366599267401	0.00204644374709456	0.0119400178263653	0.0121166789604593
BRCA	CBX5	cg09060496	-0.00345756811873078	796	-0.0973051736011259	0.92250866587917	1.19547772956635e-05	0.959279783369033
BRCA	CBX5	cg09158487	-0.128557508044365	796	-3.64820154414155	0.000281377378569103	0.0165270328745769	0.00231634622099521
BRCA	CBX5	cg09653879	-0.0433936981314697	796	-1.22235831415923	0.221935800906079	0.00188301303752512	0.410373729439524
BRCA	CBX5	cg11005091	-0.0498827590185762	111	-1.66024661683363	0.0971485664662142	0.00248828964730535	0.23320812107485
BRCA	CBX5	cg11338003	-0.0489430728434086	796	-1.37903283593878	0.168273940070839	0.0023954243793552	0.341365987636143
BRCA	CBX5	cg12263485	0.101122918647912	111	3.3803300381763	0.000749267994596866	0.0102258446758723	0.0052783260320265
BRCA	CBX5	cg12600134	0.0946636182341333	796	2.67608782432673	0.00760263285495555	0.00896120061717773	0.0345611731344174
BRCA	CBX5	cg13445218	0.0108568390759876	796	0.305556543274703	0.760022602712907	0.000117870954721891	0.866484967687329
BRCA	CBX5	cg14017196	-0.0469663918895	796	-1.32321163176682	0.186146877862217	0.0022058419671181	0.365046186236227
BRCA	CBX5	cg14394617	0.135144341914566	796	3.83851373305668	0.00013364947215982	0.0182639931515211	0.00123422685626793
BRCA	CBX5	cg15708001	-0.18788449562882	796	-5.38341085884749	9.6371023611399e-08	0.0353005836976962	2.09943640739994e-06
BRCA	CBX5	cg20545544	-0.0801833054042617	796	-2.26384751944616	0.02385323045555708	0.0064293624655531	0.0832087444536423
BRCA	CBX5	cg20927027	0.0902312003148582	796	2.54973181392511	0.0109678945346813	0.00814166951026006	0.0458181332777437
BRCA	CBX5	cg21826008	0.0141551084638628	796	0.398399978048241	0.690442750617334	0.00020036709562372	0.822131286509495
BRCA	CBX5	cg24505978	0.0215608631016643	796	0.606917558053933	0.544079565956479	0.000464870817688708	0.718305061587074
BRCA	CBX5	cg25817259	0.00599557530513821	796	0.168733478154519	0.866049366553165	3.59469232395831e-05	0.92881487270823
BRCA	CBX6	cg03028106	-0.173350151757948	774	-4.88421729002675	1.26331430473246e-06	0.0300502751145037	2.10491053806718e-05
BRCA	CBX6	cg04134624	-0.0470426357470991	111	-1.56621107892265	0.117585262472393	0.00221300957803424	0.267039203292288
BRCA	CBX6	cg04215348	-0.0170115418487843	796	-0.478816511898956	0.632201329531855	0.00028939255607294	0.783162138407161
BRCA	CBX6	cg04801716	-0.0149656763340062	796	-0.421218637920511	0.673709720732126	0.000223971468134233	0.811309195272987
BRCA	CBX6	cg06060673	-0.0679483849483787	796	-1.91666678159852	0.0556398611713075	0.00461698301709306	0.155805569786967
BRCA	CBX6	cg09913544	-0.0722489243959447	796	-2.03859255503611	0.0418223471254008	0.00521990707637093	0.126486507795443
BRCA	CBX6	cg14498989	-0.0215011512760378	796	-0.605235949109734	0.545195609826762	0.000462299506195062	0.719190564005349
BRCA	CBX6	cg24649346	-0.0534354569761194	111	-1.77962299653498	0.0754122095146922	0.00285534806224671	0.194664944320469
BRCA	CBX6	cg25836955	-0.140468988938741	796	-3.99021395168137	7.21452305793265e-05	0.0197315368534722	0.00072738025760603
BRCA	CBX7	cg00545295	-0.0829980781394385	796	-2.34385996548159	0.0193316761198932	0.00688868097484033	0.0709013442115399
BRCA	CBX7	cg01525244	0.0616139669667766	796	1.73727145094759	0.0827280205949258	0.00379628092538303	0.207859428788891
BRCA	CBX7	cg02523424	0.0567906047982218	796	1.60081282027848	0.109817158419328	0.00322517279334781	0.254635574208262
BRCA	CBX7	cg03804568	-0.0142620739607287	111	-0.474356025410449	0.63533968334156	0.000203406753661294	0.785219085326449
BRCA	CBX7	cg10339854	0.00326704211292194	796	0.091943205568897	0.926766413888481	1.06735641676055e-05	0.961351054857318
BRCA	CBX7	cg22268271	-0.113075447332181	796	-3.20276640952187	0.00141554844160942	0.0127860567893728	0.00896095495699922
BRCA	CBX7	cg26672614	0.0394903172381857	796	1.11222362450156	0.266379498632239	0.00155948515557254	0.462117314109146
BRCA	CBX7	cg27062573	0.0294856325375668	796	0.830160203414175	0.406698373485485	0.00086940252614042	0.602894417983342
BRCA	CDYL2	cg01442398	-0.0168425496654854	796	-0.474058605541633	0.635588776723972	0.000283671479234343	0.785423142773521
BRCA	CDYL2	cg02461391	-0.0246459283227677	796	-0.6938086529763	0.488005650867952	0.000607421782891002	0.674182870196258
BRCA	CDYL2	cg06919916	-0.0577151867386501	796	-1.62696132798363	0.104143068693655	0.00333104278027725	0.245216437723727
BRCA	CDYL2	cg10112854	-0.158319415813383	796	-4.51241409307292	7.38095855545965e-06	0.0250650374234909	9.99815932201685e-05
BRCA	CECR2	cg03927893	-0.221782028869627	796	-6.40090598868035	2.64321273470613e-10	0.0491872683295281	9.71767918165069e-09
BRCA	CECR2	cg12632097	-0.13146937672345	796	-3.7322714684149	0.000203329162028054	0.0172841970160525	0.00176007442203298
BRCA	CECR2	cg13466481	-0.124015860021699	796	-3.51726814641759	0.00046083814312671	0.0153799335369216	0.00350067791293812
BRCA	CECR2	cg26796679	-0.16867571523977	796	-4.81596040533028	1.75517610678186e-06	0.028451496911648	2.81472212020177e-05
BRCA	CHAF1A	cg03006338	0.0472733338249204	796	1.33187859222719	0.183283239097081	0.00223476809092236	0.361436044035159
BRCA	CHAF1A	cg04346879	-0.0147861714569311	796	-0.416165245545167	0.677401835706283	0.000218630866353764	0.813564059760622
BRCA	CHAF1A	cg05297461	0.100774361230426	796	2.85055320534157	0.00447773071046895	0.0101554718814004	0.0227050308232448
BRCA	CHAF1A	cg07783855	0.0136788405242654	796	0.384992714835723	0.700346177069604	0.000187110678088286	0.828357515340156
BRCA	CHAF1A	cg09700233	-0.0427582316627654	796	-1.20442481030321	0.228785229812514	0.00182826637492672	0.418720137581393
BRCA	CHAF1A	cg18804734	-0.0528436901041908	796	-1.48829355483634	0.137072039437923	0.00279245558382776	0.296922625122763
BRCA	CHAF1A	cg23811775	-0.0256765073974183	796	-0.722839286848917	0.469992024190072	0.000659283032129679	0.658642447215781
BRCA	CHAF1A	cg24085258	-0.106014817454553	111	-3.54567153158622	0.000407992921276344	0.0112391415199223	0.00315595120988087
BRCA	CHAF1B	cg00660452	-0.173433108260301	788	-4.93085086448974	9.99712268244614e-07	0.0300790430408294	1.70964203552037e-05
BRCA	CHAF1B	cg02544117	-0.075915257426103	788	-2.13177893968696	0.0333353415614415	0.00576312631007148	0.106772462180121

BRCA	CHAF1B	cg02908490	-0.368724300653769	796	-11.1634087446817	5.62611884461922e-27	0.135957609892611	1.30650235641286e-24
BRCA	CHAF1B	cg04634639	-0.0332632730275916	796	-0.936629788430011	0.349234534108603	0.0011064453325081	0.548273437832316
BRCA	CHAF1B	cg07872789	-0.105434757622328	796	-2.98382828785003	0.00293413742338703	0.011116488114879	0.0161759114672929
BRCA	CHAF1B	cg13854874	-0.16791951109623	111	-5.66486544138801	1.87518297941558e-08	0.0281969622067968	4.84644467444039e-07
BRCA	CHAF1B	cg25942896	-0.237968622747202	796	-6.89510751025353	1.10029475850312e-11	0.0566290654122003	5.18451426062941e-10
BRCA	CHD1	cg03255775	0.12847699112155	796	3.64587827638967	0.00028388936763322	0.0165063372476469	0.00233406145272233
BRCA	CHD1	cg03833628	0.0185243740180892	796	0.521441564511349	0.602225862946389	0.000343152432762058	0.761645214385255
BRCA	CHD1	cg08865521	0.117469688727503	796	3.32893808363528	0.000912064450612449	0.0137991277697364	0.00621523667404913
BRCA	CHD1	cg11365324	-0.0612362820100967	796	-1.72658201340837	0.0846327050328219	0.0037498822344201	0.211382048201218
BRCA	CHD1	cg12662497	-0.105148271277673	796	-2.97562989106303	0.00301281367891686	0.0110561589526831	0.0165230050995882
BRCA	CHD1	cg16890600	0.176543605108345	796	5.0476619815213	5.55202921437035e-07	0.0311676445046512	1.01564856065384e-05
BRCA	CHD1	cg21082921	-0.0698553073496826	796	-1.97071680364141	0.0491041437214915	0.00487976396491862	0.142383531129364
BRCA	CHD4	cg00079216	-0.0647618265063583	796	-1.82639340737885	0.0681673299609642	0.00419409417243965	0.180854282347154
BRCA	CHD4	cg00824109	-0.20835670560922	111	-7.0847201257115	2.47552541523945e-12	0.0434125167723271	1.3217640641945e-10
BRCA	CHD4	cg04344119	-0.0218625866399664	796	-0.615414818878004	0.538457601329687	0.000477972694590036	0.714115491358181
BRCA	CHD4	cg05147525	-0.0477710355971101	796	-1.34593274415345	0.17870934186474	0.00228207184202036	0.355335834914392
BRCA	CHD4	cg11565429	0.0503408075298934	796	1.41851443963737	0.156433995998369	0.00253419690276177	0.324869895480436
BRCA	CHD4	cg19509514	-0.109491535958306	796	-3.10000301607354	0.0020036812376181	0.011988396446509	0.0119170013913809
BRCA	CHD4	cg20308811	-0.101520930585495	796	-2.87189013423255	0.00418920162054714	0.010306499346945	0.0215382163022169
BRCA	CHRA1	cg00296189	-0.359732267695145	796	-10.8501183834645	1.14710565542095e-25	0.129407304421091	2.46513639109993e-23
BRCA	CHRA1	cg07270064	-0.40806599867419	796	-12.5789633294884	3.26548835653715e-33	0.166517859273964	1.02433629519537e-30
BRCA	CHRA1	cg08877624	-0.0867333717581918	796	-2.4501265965226	0.0144960045304879	0.0075226777765447	0.0568397454549454
BRCA	CHRA1	cg12002314	0.0445917442476264	111	1.48444542153564	0.137975724985515	0.00198842365504572	0.298249008016982
BRCA	CHRA1	cg18770186	0.10008557101829	796	2.83087191796008	0.00475974365237134	0.0100171215260572	0.0238474591158998
BRCA	CHRA1	cg19486048	0.171890448541535	796	4.91051374992994	1.10358333672514e-06	0.0295463262998102	1.8667571667144e-05
BRCA	CHRA1	cg22610305	-0.0132473741200086	111	-0.440600997521222	0.659587981791803	0.000175492921075474	0.80187509697627
BRCA	CHRA1	cg23548819	-0.19433995340039	796	-5.57551246566944	3.38617297978659e-08	0.0377680174876657	8.2191557188617e-07
BRCA	CLOCK	cg05960024	0.0340333599818511	111	1.13248915483621	0.257674296936297	0.00115826959165427	0.452184304218419
BRCA	CLOCK	cg06085476	-0.0751892716783766	786	-2.10858136405603	0.0352982097634557	0.00565342657552472	0.111519109368279
BRCA	CLOCK	cg07236904	0.0394372767351292	796	1.11072743857321	0.267022778870018	0.00155529879628316	0.462737966617232
BRCA	CLOCK	cg07500410	0.01493700880733	796	0.420411591608149	0.674298840472008	0.000223114232110254	0.811724790207874
BRCA	CLOCK	cg11774413	-0.0786481547065884	796	-2.2202325774484	0.0266853249358624	0.00618553223875146	0.0904596351937113
BRCA	CLOCK	cg18928811	0.109145266454372	796	3.09008079733562	0.00207100679453309	0.0119126891893959	0.0122378961317058
BRCA	CLOCK	cg22523077	-0.0544030075916077	796	-1.53330708124689	0.125599551634364	0.00295968723501253	0.279348757512444
BRCA	CLOCK	cg23506964	-0.0250845215393383	796	-0.706163216572355	0.480294313481485	0.000629233220857525	0.667572196229741
BRCA	CREBBP	cg00039463	-0.162007452743959	796	-4.62033057535451	4.47088912368561e-06	0.0262464147445861	6.44934512990784e-05
BRCA	CREBBP	cg00747661	0.00958789250059206	796	0.269839615679946	0.787353935207586	9.19276826029095e-05	0.882833322860923
BRCA	CREBBP	cg03039399	-0.23587787175792	796	-6.8309424264682	1.68150660288377e-11	0.0556383703850458	7.6363762209422e-10
BRCA	CREBBP	cg03264209	0.0520217456162827	111	1.732411023431	0.0834791847329526	0.00270626201696523	0.209172281356711
BRCA	CREBBP	cg08506924	-0.0630533735482244	796	-1.77801719831876	0.0757846312938331	0.00397572791581193	0.195366988331261
BRCA	CREBBP	cg24567591	-0.0987369458231738	796	-2.79234857880214	0.00535881839148878	0.00974898447048837	0.0262158167493069
BRCA	CTCF	cg01866162	-0.0619709025509045	111	-2.06490901776746	0.0391642564875957	0.0038403927629737	0.1206010437872
BRCA	CTCF	cg04487155	-0.0954540834332259	796	-2.69863845469249	0.00711066845283832	0.00911148204407726	0.0328068729865603
BRCA	CTCF	cg06241380	-0.205801124753933	796	-5.91844830504773	4.83683744447919e-09	0.0423541029499837	1.40401840356647e-07
BRCA	CTCF	cg07967402	-0.0518881083347269	796	-1.46223057030442	0.144074711572554	0.00269237578655635	0.307265179536263
BRCA	CTCF	cg08324636	0.135448305445233	796	3.84730839745127	0.000129028455308265	0.018346243447985	0.00119809496923504
BRCA	CTCF	cg10218542	-0.236673067586606	796	-6.85100583288883	1.47445433621598e-11	0.0560141409208541	6.77117477164027e-10
BRCA	CTCF	cg10481400	-0.149714159595923	796	-4.26135832313316	2.276421905162226e-05	0.0224143295835136	0.000268280511574296
BRCA	CTCF	cg23858565	-0.0914457288730867	111	-3.05396798004549	0.00231237302194175	0.00836232132913008	0.013371435927828
BRCA	CXXC1	cg02159718	-0.0550080864933849	796	-1.5504122400966	0.121442084126394	0.00302588957966371	0.272916756544306
BRCA	CXXC1	cg07675399	-0.0675215995114773	796	-1.90457283897905	0.0571976602807904	0.00455916640058833	0.159001499185162
BRCA	CXXC1	cg11871295	0.0555009178956481	796	1.56434550549756	0.118135904008703	0.00308035188725947	0.267844034636659
BRCA	CXXC1	cg13423076	-0.193523905048211	111	-6.55698888615818	8.41138438289796e-11	0.0374515018251092	3.4098761682291e-09
BRCA	CXXC1	cg15632775	0.024708190253835	796	0.695562460780513	0.486906918483097	0.000610494665619708	0.673275072955273
BRCA	CXXC1	cg20016845	-0.0397798237164302	111	-1.32398879949886	0.185780327848498	0.00158243437491026	0.36455025412148
BRCA	CXXC1	cg27419474	-0.0911110644874932	796	-2.57480191433949	0.0102102112355431	0.00830122607204414	0.0433014041749435
BRCA	DAXX	cg00221327	-0.0231770647021653	796	-0.652435677313215	0.514309467779162	0.000537176328208357	0.695853607715262

BRCA	DAXX	cg02173004	-0.0732390540821075	796	-2.06667992708019	0.0390888243719488	0.00536395904284187	0.120421194487224
BRCA	DAXX	cg02328295	0.0116681599035816	796	0.328393482082527	0.742700973589998	0.00013614595553555	0.855357368677982
BRCA	DAXX	cg03085224	-0.0521054418997434	796	-1.4683717677779	0.142400303523671	0.00271497707556754	0.30483171107896
BRCA	DAXX	cg03369465	-0.00375966947717165	795	-0.105807225605989	0.915762095763093	1.41351145775761e-05	0.955482785378139
BRCA	DAXX	cg03382121	-0.0371895033724013	796	-1.04732990651525	0.295266958649379	0.00138305916108585	0.493204169393635
BRCA	DAXX	cg03902329	-0.027902918635621	796	-0.785563604682904	0.432358134461415	0.000778572868386084	0.626102803601782
BRCA	DAXX	cg04086445	-0.155842519251514	796	-4.44004611635217	1.02707754507897e-05	0.0242868908066586	0.000134151226564596
BRCA	DAXX	cg04152866	-0.00709164538638492	796	-0.199581610386096	0.841859040539361	5.02914342862346e-05	0.91541067971566
BRCA	DAXX	cg04271391	-0.0742535619986283	796	-2.0954652188202	0.0364466223427134	0.00551359146948413	0.114346206586911
BRCA	DAXX	cg04488476	-0.0306058638870146	795	-0.86118485871933	0.389397207942951	0.000936718904270465	0.587000860262642
BRCA	DAXX	cg04973788	-0.123759058347162	796	-3.50987147438054	0.000473645203685295	0.0153163045229762	0.00358152750539404
BRCA	DAXX	cg05431670	-0.0383314840775049	786	-1.0727000486169	0.283736632887791	0.00146930267158401	0.480977242632111
BRCA	DAXX	cg05532204	0.0424753640075885	796	1.19644247247213	0.231881972494904	0.00180415654757714	0.422469523133296
BRCA	DAXX	cg06171013	-0.0552688528693699	796	-1.55778445096655	0.119683835621211	0.00305464609749606	0.270250908751785
BRCA	DAXX	cg07689821	0.00642803482187489	111	0.21377886002466	0.830758913516903	4.13196316712362e-05	0.909217075141514
BRCA	DAXX	cg08375286	-0.0596705248923171	796	-1.6822750230693	0.0929096955890831	0.00356057154092463	0.225975202709305
BRCA	DAXX	cg08567382	-0.0160309973198778	796	-0.451210237482669	0.651961547563664	0.00025699287506993	0.796567814372712
BRCA	DAXX	cg09097215	-0.052755187341027	796	-1.48673288460488	0.137483346981663	0.00278310979138685	0.297507079140236
BRCA	DAXX	cg09432361	0.0279429350346	796	0.786691084343261	0.431698051585219	0.000780807618347874	0.625562457401539
BRCA	DAXX	cg09615909	-0.239011840774803	796	-6.92716176318235	8.89095142325297e-12	0.0571266600305598	4.2748002164434e-10
BRCA	DAXX	cg11111423	-0.220566962296633	796	-6.36403914695575	3.3235263775321e-10	0.0486497848567644	1.19754706351891e-08
BRCA	DAXX	cg12025215	0.0185292851861694	796	0.521549848223677	0.602129600230751	0.000343334409510398	0.761612252205131
BRCA	DAXX	cg12832355	-0.185553158770485	796	-5.31421419523996	1.39369847788688e-07	0.0344299747297049	2.93506711934845e-06
BRCA	DAXX	cg12923297	-0.0608572956253716	796	-1.71585649046001	0.0865793892533808	0.00370361043083388	0.214922853238801
BRCA	DAXX	cg13443893	-0.0526199357435364	796	-1.48291066268756	0.13849594500388	0.0027688576376539	0.298974763316364
BRCA	DAXX	cg13826470	-0.0962244212426626	796	-2.72061984139882	0.00665887606952339	0.00925913924348539	0.0311460200187892
BRCA	DAXX	cg14539675	0.0285570838067993	796	0.803995474499651	0.421640836980745	0.000815507035548561	0.61676902178385
BRCA	DAXX	cg14622330	-0.0853625789484278	796	-2.41111660096999	0.0161304527127151	0.00728676988472657	0.0616968601373204
BRCA	DAXX	cg14746369	0.126793503369897	796	3.59731895682244	0.000341465013388353	0.016076592496812	0.00272385957538413
BRCA	DAXX	cg14910283	-0.250387874915409	796	-7.27838805701189	8.14740177120623e-13	0.0626940879046545	4.67073672357566e-11
BRCA	DAXX	cg16922466	-0.0802587710219529	796	-2.26599197755953	0.0237209865395469	0.00644147032595426	0.082886685018869
BRCA	DAXX	cg17079757	-0.0433400441010383	796	-1.22084408622845	0.222508385288105	0.00187835942267994	0.411100967204267
BRCA	DAXX	cg17504991	-0.0594862069403057	796	-1.67706011462407	0.0939253200187983	0.00353860881614488	0.227697922890071
BRCA	DAXX	cg18187593	-0.0402931800503177	796	-1.13487222998978	0.25677219949399	0.00162354035856732	0.451073446107746
BRCA	DAXX	cg18279148	-0.185812345952515	753	-5.17886938646304	2.87077263629142e-07	0.0345262279083771	5.59441098365868e-06
BRCA	DAXX	cg18486541	-0.0554463292745867	796	-1.56280212679751	0.118498606377765	0.00307429543002588	0.268438426246516
BRCA	DAXX	cg18944910	-0.108351008140353	796	-3.06732592692883	0.0022333293982991	0.0117399409650308	0.0129879365486492
BRCA	DAXX	cg18967278	0.0382276088371781	796	1.07660721132034	0.281983609643121	0.0014613500774083	0.479091310574319
BRCA	DAXX	cg20223162	-0.150028276293344	795	-4.26780789941319	2.21336582480507e-05	0.022508483687552	0.000261801096206303
BRCA	DAXX	cg20763184	-0.0682123785813494	796	-1.92414817441992	0.0546940450421038	0.00465292859172533	0.154061428778529
BRCA	DAXX	cg21286626	0.0301319390392866	796	0.848373151230453	0.396486516964114	0.000907933750267281	0.593112221279724
BRCA	DAXX	cg24328964	-0.0557546510788863	796	-1.57151946369764	0.116461425581633	0.00310858111692836	0.26519143372256
BRCA	DAXX	cg24496586	-0.0138211670614667	796	-0.388999274826949	0.697381242316469	0.000191024658940972	0.826496798719815
BRCA	DAXX	cg24513883	-0.218010049587955	795	-6.28259021718412	5.49369127669997e-10	0.0475283817213424	1.90198584414596e-08
BRCA	DAXX	cg24728112	-0.148136328552283	796	-4.21543492462149	2.78031086592271e-05	0.0219443718369499	0.000318919940288397
BRCA	DAXX	cg25642825	-0.00767748702926914	796	-0.216070005035732	0.828988816118208	5.89438070845959e-05	0.908060845187348
BRCA	DAXX	cg26521092	-0.0831106685155234	796	-2.34706160989228	0.0191675279759948	0.00690738322109722	0.0704089591714541
BRCA	DAXX	cg27052777	-0.245278036614659	796	-7.12023935797001	2.41954618342274e-12	0.0601613152455418	1.29454041123238e-10
BRCA	DAXX	cg27393652	-0.0187000024198302	796	-0.526356755269917	0.59878772159545	0.000349690090501654	0.759197679381267
BRCA	DIDO1	cg00080059	-0.00341945185692746	796	-0.096232467886116	0.923360289268864	1.16926510018447e-05	0.959703537080243
BRCA	DIDO1	cg01488865	-0.0767378327051972	796	-2.16598085604192	0.0306103715068554	0.00588869496829083	0.100181036643008
BRCA	DIDO1	cg06646488	-0.0448485045455869	795	-1.26262218331058	0.207097089550612	0.00201138835997553	0.391973893837291
BRCA	DIDO1	cg08610063	-0.0372541776706067	796	-1.04915379168311	0.29442738073365	0.00138787375391313	0.49220180365383
BRCA	DIDO1	cg13815390	0.0580567823635433	796	1.63662320276798	0.102106494621821	0.00337058997840783	0.241774902374442
BRCA	DIDO1	cg20969846	-0.0877786004002182	111	-2.93052770787803	0.00345340503721928	0.00770508268822119	0.0184388600868522
BRCA	DIDO1	cg21212389	0.0352410178891651	796	0.9923865826547	0.321312070125363	0.00124192934186446	0.520774848604786
BRCA	DIDO1	cg21687703	0.149569841960486	796	4.25715652327787	2.31863404332413e-05	0.0223711376240848	0.000272635756901991

BRCA	DIDO1	cg22394521	-0.197531554548104	796	-5.67076444126048	1.99230308790087e-08	0.0390187150421906	5.1236107907491e-07
BRCA	DMAP1	cg01604592	-0.060414319135402	796	-1.70332095615425	0.0889003335639176	0.0036498899565942	0.218961929690404
BRCA	DMAP1	cg11683482	-0.00812967508062567	796	-0.228796897625847	0.819085842582839	6.60916169165459e-05	0.902710112188615
BRCA	DMAP1	cg15990015	-0.0852688842834276	111	-2.84611695120417	0.0045073306959565	0.00727078262694057	0.0228134862824489
BRCA	DMAP1	cg18017761	-0.102560790968443	795	-2.89978508195996	0.0038376225708901	0.0105187158440726	0.020087741238045
BRCA	DMAP1	cg18167340	-0.0555601690411274	795	-1.56503176149935	0.117975415493226	0.00308693238387865	0.267612756170871
BRCA	DMAP1	cg21437596	-0.147604741471633	796	-4.19997030330511	2.97271411534829e-05	0.0217871597049075	0.000338246777664773
BRCA	DMAP1	cg23021241	-0.026297761760858	796	-0.74034066108024	0.459312725760229	0.000691572273630844	0.649196478702603
BRCA	DMAP1	cg23451311	-0.0310182682194157	111	-1.03205807369079	0.30227053753178	0.000962132963331613	0.500686183484739
BRCA	DMAP1	cg24485408	-0.00277612545228478	796	-0.0781273964953836	0.937746448160002	7.70687252682335e-06	0.96664874103142
BRCA	DNMT1	cg04160663	-0.0549915102831789	796	-1.54994361944931	0.121554529229706	0.00302406620322497	0.273079965545102
BRCA	DNMT1	cg04762346	-0.0598398092209242	111	-1.99363991735516	0.0464366851968834	0.00358080276759661	0.136653385525182
BRCA	DNMT1	cg06128182	0.0402312068491	796	1.13312390005396	0.257505124773616	0.00161855000453507	0.45203433695818
BRCA	DNMT1	cg06716436	0.00315511856605825	111	0.104928969900619	0.916451196670952	9.95477316588544e-06	0.955906900953569
BRCA	DNMT1	cg10635912	0.0266614051252502	796	0.750585265553418	0.453125223818087	0.000710830523252717	0.643514251372891
BRCA	DNMT1	cg11380607	0.0238768190453657	796	0.672144873116237	0.501687498251627	0.000570102487725136	0.685488315429649
BRCA	DNMT1	cg13393778	-0.0870467792563972	796	-2.45904750224269	0.0141434607150845	0.00757714177891194	0.055769495811713
BRCA	DNMT1	cg15043801	-0.0380118787597124	111	-1.26505929649331	0.206116543611571	0.00144490292684308	0.390545592559577
BRCA	DNMT1	cg21893394	-0.0265651273954138	796	-0.747872888946541	0.45475883193856	0.000705705993534562	0.645015556080797
BRCA	DNMT1	cg23401624	-0.0719679283107431	796	-2.0306225434219	0.042626920707792	0.00517938270534026	0.128273196253364
BRCA	DNMT1	cg24477899	-0.0787085920838186	796	-2.22194935230591	0.0265685767626775	0.00619504246781696	0.0901699616384142
BRCA	DNMT1	cg27429799	-0.03581965036095	796	-1.00870162906341	0.313425817827068	0.00128304735198071	0.512477365001449
BRCA	DNMT3A	cg02208653	-0.0131248245616687	796	-0.369397121546539	0.711930483176628	0.000172261019774582	0.836042731904469
BRCA	DNMT3A	cg03463641	0.00715029101362402	796	0.20123217017604	0.840568706574453	5.11266615795124e-05	0.914600640016406
BRCA	DNMT3A	cg06112956	0.0753856019961326	796	2.12759305162371	0.0336791611876492	0.00568298898831931	0.107585786779123
BRCA	DNMT3A	cg07150430	0.135657341019825	796	3.85335712598039	0.000125938258328367	0.0184029141725692	0.00117416597176378
BRCA	DNMT3A	cg12066181	-0.0464057632942272	111	-1.5449613301246	0.122641684284774	0.00215349486691984	0.274776429561941
BRCA	DNMT3A	cg13076778	0.0148380204995927	796	0.417624887284426	0.676334588089777	0.000220166852346333	0.813022116278196
BRCA	DNMT3A	cg13344237	-0.00494922572656019	796	-0.139285263975935	0.889260143738681	2.44948352924452e-05	0.941289463670411
BRCA	DNMT3A	cg15990840	-0.0400255205326187	796	-1.12732136401432	0.259948048536652	0.00160204229390708	0.454967568571371
BRCA	DNMT3A	cg15998962	-0.047032183785217	796	-1.32506933173697	0.185530304816105	0.00221202631160643	0.36426756407237
BRCA	DNMT3A	cg21629895	-0.245863156356769	111	-8.43549874976152	1.01956715085287e-16	0.0604486916537131	9.87613011137102e-15
BRCA	DNMT3A	cg21708767	-0.025045798485748	796	-0.705072425454335	0.480972462604103	0.000627292021788695	0.668204367380234
BRCA	DNMT3A	cg22731525	-0.0527142034403578	796	-1.48557466735048	0.137789580621508	0.00277878724435143	0.297945983124485
BRCA	DNMT3A	cg25044635	-0.0244305808418013	796	-0.687742759807036	0.491816146015172	0.00059685328026779	0.677390058126558
BRCA	DNMT3A	cg26470599	-0.167856961753598	796	-4.79190422984898	1.97262705952662e-06	0.0281759596091489	3.12288460457497e-05
BRCA	DNMT3A	cg26995204	-0.0607713893280589	796	-1.71342539876358	0.0870256312597286	0.00369316176086251	0.215621121033802
BRCA	DNMT3B	cg00300969	-0.120492526086765	796	-3.41584732274854	0.000668229397044072	0.0145184488427697	0.00479294096566905
BRCA	DNMT3B	cg13636640	-0.0178567945663198	787	-0.499750957704732	0.617390849822866	0.000318865112183747	0.772697058642815
BRCA	DNMT3B	cg14224313	-0.0910283099909326	796	-2.57244372009015	0.0102794378854466	0.00828615321980532	0.043541249638486
BRCA	DNMT3B	cg16523653	0.0584980120887043	111	1.94878095788538	0.0515741667744197	0.00342201741833019	0.147609018433803
BRCA	DNMT3B	cg16953106	-0.0849248813844761	796	-2.39866352808899	0.0166853413575229	0.00721223547816733	0.0633149332016555
BRCA	DNMT3B	cg17475857	-0.0953659562646173	796	-2.69612408180353	0.00716406663734892	0.00909466561426491	0.0330068936917928
BRCA	DNMT3B	cg17721173	-0.0787445571423273	796	-2.22297098193442	0.0264993115024549	0.00620070527954125	0.0900055640509071
BRCA	DNMT3B	cg22605822	-0.177681433766074	796	-5.08125135415012	4.68047956518364e-07	0.0315706919051677	8.69835707821062e-06
BRCA	DNMT3B	cg24403338	-0.145076576960978	796	-4.12647308966879	4.07377686282947e-05	0.0210472131827145	0.00044517217348443
BRCA	DNMT3B	cg25803642	-0.034820010194238	796	-0.980516533066845	0.327130628913631	0.00121243310992683	0.526672188445923
BRCA	DNMT3L	cg09247319	0.0181493435250952	796	0.510851945308904	0.609597096400004	0.000329398670391914	0.767089329321955
BRCA	DNMT3L	cg15635600	0.0608875636590935	796	1.71671306501604	0.0864226014017759	0.00370729540834016	0.214632864686814
BRCA	DNMT3L	cg27187798	0.0228825163807523	796	0.644139753686389	0.519671309896086	0.000523609555915396	0.70017437111182
BRCA	DPF1	cg06168449	-0.0957204422105631	111	-3.19801886355906	0.00142301368938748	0.00916240305698575	0.00900235235847845
BRCA	DPF1	cg06615189	0.031266505355505	796	0.880347873620148	0.378937936467157	0.000977594357145822	0.577502978824962
BRCA	DPF1	cg07480327	-0.0164712082072541	741	-0.44721681171212	0.654849924164944	0.000271300699806713	0.798723679473317
BRCA	DPF1	cg08057062	-0.0761551928777889	796	-2.14943912265791	0.0319019297289085	0.00579961340225323	0.103308442797765
BRCA	DPF1	cg13322582	-0.0918251170873611	796	-2.59515198781677	0.00962988446410297	0.00843185212810757	0.0413664954169203
BRCA	DPF1	cg13917712	-0.0317590673785933	796	-0.894230472253634	0.371470250573432	0.00100863836075803	0.570093183812734
BRCA	DPF1	cg17121541	0.0115985988425391	796	0.326435462828569	0.744181151162706	0.000134527495110149	0.856287147491551

BRCA	DPF1	cg22145401	0.0562653036318162	796	1.58595839247719	0.113147904604322	0.00316578439278047	0.260228472750587
BRCA	DPF1	cg27400772	-0.0422897460849385	910	-1.27405411569648	0.202970953645852	0.00178842262392857	0.386778761659168
BRCA	DPF2	cg02186298	0.192122466420873	111	6.51062250486653	1.13297705496445e-10	0.0369110421036394	4.48771980722527e-09
BRCA	DPF2	cg14699126	-0.14045596090088	796	-3.99235764816949	7.15008313559056e-05	0.0197278769525896	0.000722381256428743
BRCA	DPF2	cg15918224	-0.143467300881508	796	-4.07973232927516	4.96518147149527e-05	0.0205828664222252	0.000526528526981329
BRCA	DPF2	cg15929437	-0.15069145290046	796	-4.28981950957113	2.00920239965008e-05	0.0227079139772514	0.000240356591539871
BRCA	DPF2	cg18224556	-0.127391995584989	796	-3.61457850738809	0.000319850266910627	0.0162287205391259	0.00257902484080072
BRCA	DPF2	cg19517014	-0.200726254675176	796	-5.76629683259283	1.16125116501595e-08	0.0402910293159237	3.13457228075124e-07
BRCA	DPF3	cg00888802	-0.147648475577679	796	-4.20124244973975	2.95641999135433e-05	0.0218000723404124	0.000336589692386095
BRCA	DPF3	cg05151458	-0.122267105854707	796	-3.46691280493076	0.00055484629444643	0.014949245174086	0.00409522890229275
BRCA	DPF3	cg07171024	-0.0777523306059443	796	-2.19478881359642	0.0284683544492645	0.00604542491465606	0.094949678091001
BRCA	DPF3	cg10266394	-0.185029371077277	796	-5.29868043082956	1.51317316962072e-07	0.0342358681612527	3.15253865981453e-06
BRCA	DPF3	cg12913429	-0.0504809910025439	795	-1.42247463850398	0.155282230117166	0.00254833045259891	0.323185451595452
BRCA	DPF3	cg13819165	-0.0343268475889277	796	-0.966612784972686	0.33403270537586	0.00117833246539347	0.533610010308629
BRCA	DPF3	cg14238615	-0.103122320176378	796	-2.9176743842415	0.00362630960471983	0.0106342129185595	0.0191595442399874
BRCA	DPF3	cg14242696	0.0722914854825868	796	2.03979977576435	0.0417016083161522	0.00522605887327905	0.126201724085114
BRCA	DPF3	cg15392845	-0.0707490015544503	796	-1.99605520674185	0.0462699045929762	0.00500542122095161	0.136322978778507
BRCA	DPF3	cg15740492	0.0775336387922932	796	2.18857820474781	0.0289188758499961	0.00601146514437379	0.09609238970932
BRCA	DPF3	cg16696021	-0.102469084418063	796	-2.89899541313538	0.00384706597978973	0.0104999132614762	0.0201290456572345
BRCA	DPF3	cg19710444	-0.108413208504978	796	-3.06910770290703	0.00222020951068802	0.0117534237783439	0.0129232307276068
BRCA	DPF3	cg19839347	-0.133629803126953	796	-3.79470954590349	0.000159086851875351	0.0178569242837481	0.0014311255249798
BRCA	DPF3	cg20548765	-0.0910139261531611	796	-2.57203383988838	0.0102915128479818	0.00828353475381306	0.043585276852082
BRCA	DPF3	cg21035356	-0.0574995072305102	796	-1.62086122802387	0.105445437792993	0.00330619333175149	0.247406876211487
BRCA	DPF3	cg22784589	-0.190217808360208	796	-5.45276060983608	6.63073526533338e-08	0.036182814617361	1.50300530079063e-06
BRCA	DPF3	cg23515460	0.100756444590601	796	2.8500412082595	0.00448487065402347	0.0101518611265388	0.0227284718569228
BRCA	DPF3	cg24383902	-0.14896810229795	796	-4.23963990283617	2.50278585818202e-05	0.0221914955022525	0.00029112354502216
BRCA	DPF3	cg25495195	-0.255923958569434	796	-7.45046197234553	2.43663940161169e-13	0.0654970725698491	1.51281664492402e-11
BRCA	DPF3	cg26057784	0.297140516606126	792	8.73569003842019	1.43931243735651e-17	0.0882924866089554	1.51515388026674e-15
BRCA	EED	cg00080012	0.0546040045168763	111	1.81865562486586	0.0692343393355039	0.00298159730927905	0.182863682333646
BRCA	EED	cg01739327	0.092767196669964	796	2.6220068769182	0.00890921515143686	0.00860575277800377	0.0390381594846727
BRCA	EED	cg02172616	-0.246875901384026	796	-7.16962434998056	1.72607159379628e-12	0.0609477106841752	9.46286212598925e-11
BRCA	EED	cg04607174	-0.193897549553651	796	-5.56232371538753	3.64197616045209e-08	0.0375962597229105	8.80161209773875e-07
BRCA	EED	cg06358433	-0.0362955044576939	796	-1.02211951013125	0.307036439748371	0.00131736364383848	0.505534168182549
BRCA	EED	cg10086030	-0.303741710953384	796	-8.97193371551052	2.07796847631769e-18	0.092259026972889	2.36335496559443e-16
BRCA	EED	cg10535675	-0.264541637352636	789	-7.68569690297162	4.54601307018192e-14	0.0699822778932134	3.14357814028207e-12
BRCA	EED	cg12672785	0.0837102371613841	796	2.36411260156473	0.0183137264933626	0.00700740380561517	0.0680274095795565
BRCA	EED	cg16265078	-0.209453596792475	796	-6.02826207354328	2.53933170326182e-09	0.0438708092093047	7.78348189612098e-08
BRCA	EED	cg18574463	0.02397069497185	796	0.674789045617536	0.500006730343556	0.000574594217433477	0.684008714726407
BRCA	EED	cg19325359	-0.261431297655359	792	-7.60314785777853	8.22734359531196e-14	0.0683463233937651	5.49860796953349e-12
BRCA	EED	cg21042619	-0.0134632190884875	314	-0.237447975435344	0.812465619411066	0.000181258268224615	0.898984324075102
BRCA	ELP3	cg01209934	0.110875109322818	796	3.13966021491069	0.00175420558177149	0.0122932898673468	0.0106856682349332
BRCA	ELP3	cg02516513	0.196906239119837	796	5.65208750204862	2.21202454064947e-08	0.0387720670043183	5.6438910172281e-07
BRCA	ELP3	cg04720865	-0.406906167409071	796	-12.5361041768942	5.12972727470402e-33	0.165572629075539	1.58988846059094e-30
BRCA	ELP3	cg05621091	-0.144510969247301	796	-4.11004145521636	4.36822555040455e-05	0.0208834202327945	0.000472154422874362
BRCA	ELP3	cg15692687	0.0156013534890673	796	0.439114449648764	0.660698381969357	0.000243402230690831	0.802560309899976
BRCA	ELP3	cg17572663	0.0191326995148643	796	0.538540470130726	0.59035529629591	0.000366060190726088	0.753337717275829
BRCA	ELP3	cg18022570	-0.0867790229216096	796	-2.45142597644551	0.014444176231534	0.00753059881922925	0.0567149396726365
BRCA	ELP3	cg18249244	-0.116176014033011	111	-3.88995700132781	0.000106242496544095	0.0134968662365983	0.0010147364979928
BRCA	ELP3	cg19781013	0.134604891015145	796	3.82290836111369	0.000142235954329072	0.018118476685199	0.00130162378909255
BRCA	ELP3	cg22414525	0.240506463918399	796	6.97313040540474	6.5399263053756e-12	0.0578433591865319	3.21191304924488e-10
BRCA	ELP3	cg22487209	-0.145881751277207	796	-4.14987157624268	3.68687725661402e-05	0.0212814853557049	0.000407630223794832
BRCA	ELP3	cg25374552	0.0923174929960882	796	2.60918675759507	0.00924700337462853	0.0085225195130828	0.040138454442911
BRCA	ELP4	cg04972224	-0.041850114596927	796	-1.17879936825097	0.238832094413368	0.00175143209177593	0.430634924411637
BRCA	ELP4	cg05195750	0.0511586659968059	796	1.44162022621613	0.149804813016904	0.00261720910657274	0.315362765163096
BRCA	ELP4	cg05635455	-0.238749553116366	796	-6.91910023980017	9.38126063674685e-12	0.0570013491132644	4.4718492032787e-10
BRCA	ELP4	cg08111895	-0.101019998014528	796	-2.85757295813809	0.00438087344454535	0.0102050399988553	0.0223287512663545
BRCA	ELP4	cg08626560	-0.23249471357232	796	-6.72732567746072	3.31163298179912e-11	0.0540537918390752	1.4296624649616e-09

BRCA	ELP4	cg09616795	0.047106887575315	796	1.32717868891217	0.184832042393135	0.00221905885703337	0.363358533961678
BRCA	ELP4	cg10583382	-0.118507232661029	111	-3.9691146620463	7.67925040394374e-05	0.0140439641929754	0.000767175556599973
BRCA	ELP4	cg11385473	-0.108379471753897	111	-3.62568714794323	0.000301315680377953	0.0117461098976538	0.0024524536555056
BRCA	ELP4	cg13263383	-0.0788446883259168	796	-2.22581537155357	0.0263072880581904	0.00621648487721095	0.0895135882079719
BRCA	ELP4	cg19328333	0.0758989817043046	796	2.14216573065875	0.0324844784914455	0.00576065542375036	0.104730412135961
BRCA	ELP4	cg24001477	-0.0574754633354081	796	-1.62018120460012	0.105591421160531	0.00330342888561984	0.247637364497975
BRCA	ELP4	cg24531794	-0.0447878452363573	796	-1.26170778817264	0.207425410426408	0.0020059510809159	0.392356660556617
BRCA	ELP4	cg25130734	-0.0344759297538126	796	-0.970815787891275	0.331936404747706	0.00118858973238982	0.531625814154841
BRCA	EP300	cg00500400	-0.147818669518515	111	-4.9682996130636	7.82153065549053e-07	0.0218503590582239	1.37413765992148e-05
BRCA	EP300	cg02046995	-0.0200038332449704	796	-0.563070436786068	0.573546282754901	0.000400153344492585	0.740924269688389
BRCA	EP300	cg07519229	-0.120052335151956	796	-3.39673396669054	0.000716092466629736	0.0144125631754377	0.00508142819930618
BRCA	EP300	cg08131204	-0.105308043541067	796	-2.98020201090596	0.00296870252292727	0.0110897840344473	0.0163259751214905
BRCA	EP300	cg09331127	-0.0968337138628985	796	-2.73800933880869	0.00631996367598736	0.00937676814048171	0.029889674400253
BRCA	EP300	cg24349919	0.00898704230752142	796	0.252928003555747	0.80038948164354	8.076692943718e-05	0.890945373745869
BRCA	EPC1	cg02900516	0.00878088214420845	796	0.247125455316851	0.804875178838777	7.71038912304787e-05	0.89396867067266
BRCA	EPC1	cg16942190	-0.0350861878616896	796	-0.98802118535617	0.323444015558466	0.00123104057866577	0.522857695668592
BRCA	EPC1	cg26211455	0.0767771339750333	796	2.16709673896477	0.0305248881207924	0.00589472830142021	0.0999811859066533
BRCA	EPC2	cg00066942	-0.0184652501692143	796	-0.519746817828335	0.603385279199201	0.000340965463811668	0.762423983072819
BRCA	EPC2	cg03664802	-0.209481367549503	796	-6.02909802181955	2.52680726832292e-09	0.0438824433504098	7.75731825698159e-08
BRCA	EPC2	cg04098458	-0.11887752020411	796	-3.36940413899119	0.000789745542888305	0.0141318771294681	0.00550959239202339
BRCA	EPC2	cg05586854	-0.00332219279282551	796	-0.093495308549489	0.925533722585851	1.10369649527018e-05	0.960794384964354
BRCA	EPC2	cg10458926	-0.0877075113779017	796	-2.47785715266715	0.0134248699889493	0.00769260755210475	0.0536348609613379
BRCA	EPC2	cg11721798	-0.168597254477524	796	-4.81365466969921	1.77497445482789e-06	0.0284250342173591	2.84354124256345e-05
BRCA	EPC2	cg12432635	0.00436504577516858	796	0.122844447298776	0.9022614420667	1.9053624619317e-05	0.948328401325905
BRCA	EPC2	cg16434205	-0.0246845265565204	796	-0.694895895583252	0.487324353046377	0.000609325851319563	0.673612486156537
BRCA	EPC2	cg21347644	-0.127741904259986	796	-3.62467116724676	0.000307812432979998	0.0163179941039675	0.00249775325036466
BRCA	EPC2	cg21650422	-0.0347744940509316	796	-0.979233265191898	0.327763752528259	0.00120926543649828	0.527285897553887
BRCA	EZH1	cg00728999	-0.27483736697017	796	-8.04439280822127	3.1581292042417e-15	0.075535578283096	2.53281962180185e-13
BRCA	EZH1	cg01716316	-0.0194674538989994	796	-0.547966559934755	0.583869265520107	0.000378981761309668	0.74870446821879
BRCA	EZH1	cg03623386	-0.193377175500659	796	-5.54681506374161	3.96684424382577e-08	0.0373947320046128	9.52458892296858e-07
BRCA	EZH1	cg05375741	-0.238353587667994	796	-6.90693311368973	1.01719326834169e-11	0.0568124327542039	4.81335359594728e-10
BRCA	EZH1	cg05979501	-0.191365880332781	796	-5.48691823275229	5.507016557146e-08	0.0366209001555403	1.27050072967561e-06
BRCA	EZH1	cg06975499	-0.0458636386165719	111	-1.52687440379228	0.127078156264408	0.00210347334715151	0.281784888640622
BRCA	EZH1	cg12812489	-0.109839787294362	796	-3.10998317559772	0.00193799788135368	0.0120647788728706	0.0115901450785692
BRCA	EZH1	cg19395400	0.206542428520512	796	5.94071497588724	4.24793803266883e-09	0.0426597747791507	1.24703430684317e-07
BRCA	EZH1	cg22227424	0.247833400473385	796	7.19924745179277	1.40820990684598e-12	0.0614213943902012	7.82502010665543e-11
BRCA	EZH1	cg27088844	-0.0204360015975525	111	-0.679773448970094	0.496790169766289	0.00041763016129517	0.681395596305592
BRCA	EZH2	cg01893439	-0.0583825445734806	796	-1.64583777397826	0.100193913400146	0.00340852151087445	0.238565988789698
BRCA	EZH2	cg02303805	-0.0812290913282475	796	-2.29356845549191	0.0220763682791349	0.00659816527801277	0.0784742514922103
BRCA	EZH2	cg06816161	0.0202493165721126	111	0.673256515877247	0.500924893533263	0.000410034821637633	0.684734957521861
BRCA	EZH2	cg13751213	-0.0576277372149551	796	-1.62448795083315	0.104669582301683	0.00332095609651592	0.246098633468647
BRCA	EZH2	cg18494018	-0.0366299311840888	796	-1.03154991334232	0.302597912137868	0.00134175185855108	0.500964076970703
BRCA	EZH2	cg20101066	0.043232891828584	796	1.21782005869848	0.223655048916147	0.00186908293586205	0.412556367530597
BRCA	FBXL19	cg00026853	-0.0964482556508433	796	-2.72700782069227	0.00653252031879059	0.00930226601809043	0.0306730375229355
BRCA	FBXL19	cg02291855	-0.0360954078618233	796	-1.01647720831182	0.309712606715499	0.00130287846871137	0.508414908774542
BRCA	FBXL19	cg03181514	-0.104638054655323	796	-2.96103084535124	0.00315770347991479	0.0109491224820503	0.017172344251415
BRCA	FBXL19	cg03627896	-0.0690116922874874	111	-2.30057766770193	0.0216009011109599	0.00476261367238284	0.0772216580591892
BRCA	FBXL19	cg04477789	-0.0831102922638331	796	-2.34705091056677	0.0191680744907646	0.00690732068017976	0.0704089591714541
BRCA	FBXL19	cg05643349	-0.214739295828928	796	-6.18764860814275	9.78723059912096e-10	0.0461129651731039	3.24408954933113e-08
BRCA	FBXL19	cg05768582	-0.0304743231968022	796	-0.85802198310127	0.391139902382161	0.000928684374303156	0.588316884165384
BRCA	FBXL19	cg06862768	-0.165333049840361	796	-4.71781196448013	2.81762205819308e-06	0.0273350173695153	4.27862756968714e-05
BRCA	FBXL19	cg07697662	-0.00074304727176329	796	-0.0209112095753755	0.983321751595029	5.5211924807487e-07	0.991358882722222
BRCA	FBXL19	cg08535091	-0.0148093236252371	111	-0.492561446944139	0.622420258502604	0.000219316066237005	0.776345949233976
BRCA	FBXL19	cg08593668	-0.0414573827866023	796	-1.16771808810383	0.243271911948244	0.00171871458751486	0.435889212137018
BRCA	FBXL19	cg09011601	-0.275527245019692	796	-8.06624189854774	2.67748226781185e-15	0.0759152627481412	2.16294969410338e-13
BRCA	FBXL19	cg11940219	-0.0946459197045628	784	-2.6552360400701	0.00808697428705236	0.00895785011672255	0.0362269997516383
BRCA	FBXL19	cg26666512	-0.0413052094819224	796	-1.16342452790113	0.245007690938968	0.00170612033034549	0.437882014080732

BRCA	FBXL19	cg27602786	-0.0457855892329961	79e-1.28987339898299	0.197471123020046	0.00209632018141265	0.379788586719608
BRCA	FBXW9	cg02753619	-0.0290255784681371	79e-0.816680424383489	0.414356967893582	0.000842484205409982	0.609924048444908
BRCA	FBXW9	cg03160342	0.0305123119939278	79e-0.85909257549403	0.390549380697806	0.000931001183214788	0.587883332791647
BRCA	FBXW9	cg05868316	0.0563898595981429	111-1.87747317565372	0.0607165173360309	0.00317981626549827	0.166076465301473
BRCA	FBXW9	cg06489804	0.051164081492247	111-1.70377378164663	0.0887042633586261	0.00261776323494529	0.218645146342668
BRCA	FBXW9	cg12110584	-0.0799112106386982	79e-2.25611590183267	0.0243353552451207	0.0063858015857424	0.0844852117966317
BRCA	FBXW9	cg14342428	0.0268707381773031	79e-0.756482756372473	0.449584766259369	0.000722036570193172	0.640778962045754
BRCA	FBXW9	cg15828427	-0.0360385957913296	79e-1.01487525013361	0.31047522735026	0.00129878038661084	0.509279927391855
BRCA	FBXW9	cg19721801	-0.0405270053761147	79e-1.14146880947589	0.25401988909081	0.00164243816475563	0.44810030049729
BRCA	FBXW9	cg21564527	-0.127052749378732	79e-3.60479470235086	0.00033193995248641	0.0161424011246948	0.0026583220084798
BRCA	FBXW9	cg22303873	-0.0651684758651234	79e-1.8379103685029	0.0664500036365196	0.00424693024658316	0.177405250108082
BRCA	FKBP1A	cg04613791	0.079721501505719	111-2.65972980884716	0.00793338975234525	0.00635551780232635	0.0357034665274758
BRCA	FKBP1A	cg07516946	0.119958493071453	79e-3.40048646456072	0.000706346734226712	0.0143900400599738	0.00502464684001763
BRCA	FKBP1A	cg10996143	0.116762659192005	111-3.9081026590709	9.86785426621592e-05	0.0136335185815883	0.000953022786823093
BRCA	FKBP1A	cg21332426	-0.0302387751112746	79e-0.85138389876195	0.394813475300433	0.000914383520230239	0.591497891182104
BRCA	FKBP1A	cg21775445	0.0883455870441662	79e-2.49602494948417	0.0127616847880322	0.00780494275017835	0.0516240708439591
BRCA	FKBP1A	cg24641773	-0.236524715773839	79e-6.85078326480309	1.47536862347848e-11	0.0559439411718953	6.7713762061879e-10
BRCA	FKBP1A	cg26779912	0.0113539697784594	79e-0.319549630368105	0.74939403248586	0.000128912629730169	0.859593587326487
BRCA	FKBP2	cg03764062	-0.0589624273133428	79e-1.66224175367033	0.0968600039024333	0.00347656783468123	0.232716487340125
BRCA	FKBP2	cg04446112	-0.0353939877907432	79e-0.996699604389611	0.319214754459862	0.00125273437173128	0.518607313684122
BRCA	FKBP2	cg06615912	-0.101423335263888	79e-2.86910058523902	0.00422593798856064	0.0102866929360511	0.0216927050731708
BRCA	FKBP2	cg09854726	0.0168485043069484	79e-0.474226255362975	0.635469285979138	0.000283872097381258	0.785329356041574
BRCA	FKBP2	cg10998122	-0.0578935735975878	79e-1.63200684631157	0.103075554306454	0.00335166586389931	0.243370348850115
BRCA	FKBP2	cg12423493	0.0433467465342234	79e-1.22103324220426	0.222436800708909	0.0018789404351022	0.411046806839965
BRCA	FKBP2	cg15010817	-0.00356454506493571	79e-0.100315827402601	0.920118979846587	1.27059815199575e-05	0.958001373014311
BRCA	FKBP2	cg16977872	0.030290616790195	111-1.00782472544872	0.313759048783091	0.000917521465530444	0.512817677286244
BRCA	FKBP2	cg19924313	0.00369381964473805	79e-0.103954008446192	0.917232164420122	1.36443035678527e-05	0.956324000842992
BRCA	FKBP2	cg21809711	-0.0194001613158123	79e-0.546071705426105	0.585170429670037	0.000376366259079539	0.749703535938981
BRCA	FKBP2	cg22074794	0.081374654174341	79e-2.29770591209042	0.02183839238869	0.00662183434199359	0.0778488703425628
BRCA	FKBP2	cg24677501	-0.0522056365554744	79e-1.4712030399163	0.141633411697419	0.00272542848816229	0.303748319737079
BRCA	FKBP5	cg00130530	-0.19503913887052	79e-5.59636349110028	3.01698777430242e-08	0.0380402656913539	7.4446743557605e-07
BRCA	FKBP5	cg00140191	-0.0666155415775412	79e-1.87890108599465	0.060625042180155	0.00443763037966912	0.165896251410988
BRCA	FKBP5	cg00610228	-0.0432612646023985	79e-1.21862078468903	0.223351014889087	0.00187153701499873	0.412168347383091
BRCA	FKBP5	cg01294490	-0.0962501024441735	79e-2.72135273248939	0.00664426834387992	0.0092640822205139	0.0310833009527809
BRCA	FKBP5	cg07485685	-0.0276104892491334	79e-0.777324392349059	0.437199522979403	0.000762339116576514	0.630134315713936
BRCA	FKBP5	cg07843056	-0.0654157368022269	79e-1.84491364343527	0.0654232936403533	0.00427921862137822	0.175422731377577
BRCA	FKBP5	cg08636224	-0.180362013061687	111-6.09823261284355	1.48007543218155e-09	0.0325304557556642	4.74026299592966e-08
BRCA	FKBP5	cg08915438	-0.243532356400365	79e-7.06635641045785	3.48972933537204e-12	0.0593080086139142	1.80625418440408e-10
BRCA	FKBP5	cg10913456	-0.0732357352160033	79e-2.06658576937284	0.0390977277138577	0.00536347291262855	0.120439084096454
BRCA	FKBP5	cg16012111	-0.0860307870683322	79e-2.43013071768384	0.0153145528340863	0.00740129632359671	0.0593405550219109
BRCA	FKBP5	cg17030679	-0.120748255740345	79e-3.42320416285878	0.000650660403994206	0.0145801412643357	0.00468724906938579
BRCA	FKBP5	cg20813374	-0.155332994540709	79e-4.42516992767429	1.09862521346925e-05	0.0241283391929841	0.000142230736988895
BRCA	FKBP5	cg25114611	-0.0659472008041474	79e-1.85996767752369	0.0632606351160868	0.00434903329390254	0.171092262836214
BRCA	FMR1	cg02921434	-0.29919202239802	79e-8.82422166638716	6.96558690641281e-18	0.0895158662666175	7.60001217107262e-16
BRCA	FMR1	cg03513471	-0.283050150892012	79e-8.3053851429913	4.29084541256435e-16	0.0801173879199905	3.79752022781605e-14
BRCA	FMR1	cg04552106	-0.291659918554771	79e-8.58112722322946	4.92387798643245e-17	0.0850655080913755	4.91717797274103e-15
BRCA	FMR1	cg04744025	-0.295086579795676	79e-8.69150048214767	2.03717489095402e-17	0.0870760895755097	2.11588762973133e-15
BRCA	FMR1	cg05288927	-0.258521383466665	79e-7.53146473957432	1.36921240828727e-13	0.0668333057095184	8.89119449835557e-12
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BRCA	FMR1	cg08434396	-0.295586634695637	111-10.2899990141626	8.86921662495392e-24	0.087371458610692	1.58979686203149e-21
BRCA	FMR1	cg14470409	-0.306449765607279	79e-9.06017456088127	1.00121533181727e-18	0.0939114588407563	1.16774431069554e-16
BRCA	FMR1	cg16783314	-0.254043859697468	79e-7.39193745498542	3.68331753796825e-13	0.0645382826499866	2.21664455887392e-11
BRCA	FMR1	cg22625568	-0.284833788889225	77-8.24536529780911	7.08882314852569e-16	0.0811302872929917	6.12062051072594e-14
BRCA	FXR2	cg01807919	0.0383425095609655	79e-1.07984792680566	0.280538633719495	0.00147014803943273	0.477731814276085
BRCA	FXR2	cg01933235	-0.0814226946868128	79e-2.29907144091353	0.0217603430727375	0.00662965521006193	0.077626631825394
BRCA	FXR2	cg05529097	-0.173881006667371	111-5.86682779755148	5.86572770391137e-09	0.0302346044796581	1.67887572111141e-07
BRCA	FXR2	cg05913233	-0.118482815183912	79e-3.35805578064456	0.000822412803419014	0.014038177493905	0.00569942898602687

BRCA	FXR2	cg09625173	-0.292232307892378	796	-8.59953867727155	4.25251311509412e-17	0.0853997217761056	4.28523322895896e-15
BRCA	FXR2	cg17777561	-0.173666443100519	795	-4.95968520842187	8.64509216050042e-07	0.0301600334591856	1.50556592687255e-05
BRCA	FXR2	cg19178740	-0.128104044781506	796	-3.63511808772977	0.000295800591514692	0.0164106462893821	0.00241641407290706
BRCA	FXR2	cg22521096	-0.262071324467452	796	-7.64245607269253	6.16335830258451e-14	0.0686813791081247	4.18022925711647e-12
BRCA	FXR2	cg26904212	-0.00473105283345908	111	-0.157340389855318	0.875005308535974	2.23828609129812e-05	0.933872894088728
BRCA	G2E3	cg02259031	0.073026721382413	796	2.06065609288926	0.0396619113271244	0.00533290203586458	0.121743163264769
BRCA	G2E3	cg05076167	-0.230153739268127	796	-6.65577953651773	5.26071056952618e-11	0.0529707436991008	2.19636637545075e-09
BRCA	G2E3	cg07906495	0.0927899661081857	111	3.09924784397689	0.00198912123259981	0.00860997781035825	0.011843081062978
BRCA	G2E3	cg08810065	-0.0158365901963192	111	-0.52673685812455	0.598481957881343	0.000250797589046152	0.758970811023429
BRCA	G2E3	cg09837748	-0.240816026160146	796	-6.98265787141061	6.13530246556796e-12	0.0579923584555644	3.03619414762337e-10
BRCA	G2E3	cg18580322	-0.0179502949425078	791	-0.503650111035671	0.614648216182006	0.000322213088523021	0.770790848282879
BRCA	G2E3	cg18755078	0.048227983502236	796	1.35883696881987	0.174585100623826	0.00232593839269195	0.34996195000979
BRCA	G2E3	cg18956956	-0.0736184583176744	795	-2.0761323176988	0.0382041718752953	0.00541967740507117	0.118342947301266
BRCA	G2E3	cg19554565	0.138604848778004	796	3.9387034937886	8.91449918764554e-05	0.0192113041047735	0.000871771904215836
BRCA	G2E3	cg21061067	-0.186983233089724	796	-5.3566492794304	1.11205390121872e-07	0.0349627294566862	2.3937756478718e-06
BRCA	G2E3	cg22926526	-0.0974135049364928	796	-2.75455973323674	0.006011934100122	0.00948939094401211	0.0287160701449983
BRCA	GADD45	cg01810953	-0.0705039046145011	794	-1.98659255002813	0.04731265107511	0.00497080056589067	0.138573110113968
BRCA	GADD45	cg02639608	-0.120304104059691	796	-3.41042723253488	0.000681454834529166	0.0144730774536049	0.00487252733431636
BRCA	GADD45	cg04718306	-0.0997599465970145	111	-3.33430755430073	0.000883479690129337	0.00995204694503918	0.00605438856711783
BRCA	GADD45	cg07000785	0.0066863758536513	111	0.22178099942555	0.82452531352343	4.44707272449445e-05	0.905707660725515
BRCA	GADD45	cg22224769	-0.112434753195749	796	-3.18438627410977	0.00150735996084331	0.0126415737261891	0.0094377111302893
BRCA	GADD45	cg23369529	-0.132527972679927	796	-3.76285892943955	0.000180378330923704	0.0175636635426514	0.00159133044634596
BRCA	GADD45	cg23723105	-0.131906359962324	796	-3.74489624170194	0.000193541810256158	0.0173992877985103	0.00168850415914182
BRCA	GATAD2A	cg02887458	-0.0800371983702218	796	-2.25969580078448	0.0241110794354122	0.00640595312295423	0.0838750307918642
BRCA	GATAD2A	cg08505228	0.020096600062765	796	0.565682701535073	0.571769719260958	0.000403873334082727	0.739513425885931
BRCA	GATAD2A	cg08870822	0.0943300393291961	796	2.66657291944657	0.00781922604382923	0.00889815631984769	0.0353134930215703
BRCA	GATAD2A	cg09334331	-0.0199057807631034	796	-0.56030934633368	0.575426905508844	0.000396240107788737	0.742318265573677
BRCA	GATAD2A	cg11795262	-0.116043088993859	111	-3.88544544417952	0.000108207837526878	0.0134659985032367	0.00103084992806343
BRCA	GATAD2A	cg14948912	0.0517139831638246	796	1.45731046336054	0.14542706550528	0.00267433605466833	0.309302379471191
BRCA	GATAD2A	cg15264323	0.0834678000824642	796	2.3572176802079	0.0186548769751784	0.00696687365060621	0.0690079647839768
BRCA	GATAD2A	cg22191731	0.0340726719063134	796	0.959447079058537	0.337626369148301	0.00116094697083528	0.53707888437598
BRCA	GATAD2A	cg26631329	-0.0217377556626112	796	-0.611899257925787	0.540780025076795	0.000472530021247383	0.715929232896563
BRCA	GATAD2E	cg02134200	0.132076979124454	796	3.74982615988037	0.000189841715348571	0.0174443284146416	0.00166032000043021
BRCA	GATAD2E	cg02940454	0.11881005730019	796	3.36746313010243	0.000795245973477374	0.0141158297156745	0.00554150530819589
BRCA	GATAD2E	cg09805553	0.0705471126683975	796	1.99033074590969	0.0468978512553421	0.00497689510584757	0.137710557667981
BRCA	GATAD2E	cg10226922	-0.117657867699444	796	-3.33434562958948	0.000894757478641152	0.0138433738315798	0.00612244798755682
BRCA	GATAD2E	cg10489353	0.16517405099622	796	4.71314758327765	2.881111105537679e-06	0.0272824671225017	4.35971899323053e-05
BRCA	GATAD2E	cg15064304	-0.157195604668166	796	-4.47956874459552	8.58001742533571e-06	0.0247104581269902	0.000114332626856212
BRCA	GATAD2E	cg20773694	-0.109978887925506	796	-3.11396983439104	0.00191231827332095	0.0120953557893311	0.0114683077208395
BRCA	GATAD2E	cg23046518	0.101513459696096	796	2.87167659222501	0.00419200352323527	0.0103049824994709	0.0215511976002223
BRCA	GATAD2E	cg23323627	0.155056474623567	796	4.41709811091003	1.13941755842856e-05	0.0240425103226889	0.000146803328155667
BRCA	GATAD2E	cg26398333	0.11086389362014	796	3.13933866658527	0.00175610784104933	0.0122908029086177	0.0106939063316314
BRCA	GLYR1	cg00636946	-0.314490639727913	781	-9.23491260381457	2.41286301583965e-19	0.0989043624764717	3.0275204105521e-17
BRCA	GLYR1	cg00885266	-0.10882623854176	796	-3.08094018361433	0.00213486250347728	0.0118431501951481	0.01251918389835
BRCA	GLYR1	cg01261535	-0.113467483490525	111	-3.79806928037628	0.000153759923392813	0.0128748698096725	0.00139136902180068
BRCA	GLYR1	cg01565912	0.0632132738564255	796	1.7825442307806	0.0750434964979377	0.00399591799164745	0.193944844575282
BRCA	GLYR1	cg02454264	-0.00493673716869325	796	-0.138933791922878	0.889537786528121	2.43713738727574e-05	0.941467059185646
BRCA	GLYR1	cg06399529	-0.233255611271876	796	-6.75060718953019	2.84603428320481e-11	0.0544081801898163	1.24175205287513e-09
BRCA	GLYR1	cg06976003	-0.0975700381098457	796	-2.75902852705267	0.00593111960599498	0.00951991233675673	0.0284204199956128
BRCA	GLYR1	cg11289281	0.0220300946841629	796	0.620132320926299	0.535349056111636	0.000485325071793184	0.711755412833877
BRCA	GLYR1	cg15663121	0.0464777633145423	111	1.54736357211494	0.122061676276793	0.00216018248272261	0.273839717507118
BRCA	GLYR1	cg18354686	-0.0509549956976654	796	-1.43586595020056	0.151435321540424	0.0025964115865491	0.317751392962929
BRCA	GTF2B	cg02705666	-0.0769921691002068	111	-2.56811905401705	0.0103555982211112	0.00592779410275484	0.0438017478210251
BRCA	GTF2B	cg04270788	0.117264253591578	111	3.92690050883142	9.13714038744327e-05	0.0137509051703899	0.000891862859850391
BRCA	GTF2B	cg05306856	-0.129384689519232	796	-3.67207362885068	0.000256747180204674	0.0167403978819881	0.00214077064703563
BRCA	GTF2B	cg06356032	0.0276422279808901	796	0.77821862297585	0.436672562196003	0.000764092767747503	0.629746355447781
BRCA	GTF2B	cg07167781	-0.114380699277579	796	-3.24022382429813	0.00124422250985982	0.013082944367228	0.00805400615177525

BRCA	GTF2B	cg10430205	-0.0920091695840296	796	-2.60039802740496	0.0094851410414381	0.00846568728754272	0.0408711123395168
BRCA	GTF2B	cg12074130	-0.0895755957580618	796	-2.53105549293287	0.0115644672508883	0.00802378735541169	0.0477549672656186
BRCA	GTF2B	cg13868361	-0.0282660776368703	796	-0.795795908607753	0.426389114975735	0.000798971144973578	0.620996252184261
BRCA	GTF2B	cg14010405	-0.0327057402860059	795	-0.920332216056276	0.357679762365083	0.00106966544765567	0.556684927845496
BRCA	GTF2B	cg17811845	-0.0723139484179712	793	-2.03656879815728	0.0420266797034612	0.005229307135797	0.126933397556045
BRCA	GTF2B	cg22607980	-0.0180051999980984	795	-0.506473351227715	0.612665529733935	0.000324187226971523	0.769320327024062
BRCA	GTF2H1	cg05849260	-0.127430453836757	795	-3.61340436626127	0.000321303622562779	0.0162385205650418	0.00258806109066565
BRCA	GTF2H1	cg07583091	-0.359439602463353	796	-10.8399808466314	1.263350058869e-25	0.129196827819013	2.70746706555524e-23
BRCA	GTF2H1	cg08690812	-0.31722542035311	796	-9.41373240548936	5.07625104718831e-20	0.100631967318207	6.80865299939599e-18
BRCA	GTF2H1	cg10797557	-0.0513934026821183	796	-1.44825244139673	0.147942218240405	0.00264128183924637	0.312804526018374
BRCA	GTF2H1	cg11063328	-0.0278056206396191	796	-0.782822206562374	0.433965526313915	0.000773152539154411	0.627519361959604
BRCA	GTF2H1	cg11176342	-0.131074287469459	796	-3.72085894971691	0.000212575852529952	0.0171804688356263	0.00182549132042335
BRCA	GTF2H1	cg11347316	0.0139232804416914	796	0.391873829801114	0.695256859491879	0.000193857738257986	0.825299257313709
BRCA	GTF2H1	cg11662851	0.0650842620341394	796	1.8355252226288	0.066802697339655	0.00423596116452852	0.178138999651771
BRCA	GTF2H1	cg13777411	0.155349131133624	111	5.2298731408269	2.02756082728261e-07	0.0241333525439718	4.10439934940471e-06
BRCA	GTF2H1	cg14132868	0.104228011607224	796	2.94929882271247	0.00327870978390856	0.0108634784035956	0.0176771743661642
BRCA	GTF2H1	cg17174493	0.023104143611752	796	0.650381846441201	0.51563421540552	0.000533801452032462	0.696921338859426
BRCA	GTF2H1	cg18321761	0.0373260396552087	796	1.05118039286734	0.293496370067148	0.00139323323634221	0.491238120721266
BRCA	H2AFZ	cg02758870	-0.0253544914419571	796	-0.713768097328004	0.475580871235741	0.000642850236280276	0.663367609139231
BRCA	H2AFZ	cg09308803	0.0686997030493684	796	1.93795967297617	0.0529832497503042	0.0047196491990714	0.15048480945875
BRCA	H2AFZ	cg16267491	0.0126689738601828	111	0.421360537269911	0.673573704953094	0.000160502898669995	0.811189630659013
BRCA	H2AFZ	cg17709884	-0.0364320510303529	111	-1.2124102373889	0.225614301868723	0.00132729434227824	0.415025750758465
BRCA	H2AFZ	cg20934652	0.108173108925	796	3.0622300719601	0.00227124597612236	0.0117014214944998	0.0131739717765034
BRCA	H2AFZ	cg23752380	0.0448565940341521	795	1.26285038621413	0.207015093434878	0.00201211402834473	0.391847299902014
BRCA	H2AFZ	cg24061702	-0.0572987471130397	796	-1.61518330034613	0.106669276172687	0.00328314642072408	0.249374922336594
BRCA	H3F3A	cg06319713	-0.100789472359253	796	-2.85098503256832	0.00447171678151297	0.0101585177384565	0.0226834073618297
BRCA	H3F3A	cg10632229	0.0527435677148599	796	1.48640450973949	0.137570116126082	0.00278188393529201	0.297633272905956
BRCA	H3F3A	cg10983539	0.0493065324605286	796	1.38929863482953	0.165132421685576	0.00243113414328116	0.33706737018807
BRCA	H3F3A	cg11978873	0.0302890738881933	796	0.852801378788008	0.394027279304977	0.000917427997004431	0.590786511829072
BRCA	H3F3A	cg15538837	0.0384922452247749	111	1.28106976932898	0.200437705444292	0.00148165294244421	0.383453641122517
BRCA	H3F3A	cg15624314	0.0391301827708688	795	1.10136903617348	0.271071097797448	0.0015311712036816	0.467338274982928
BRCA	H3F3A	cg16724613	-0.0618033082372794	796	-1.74263056841203	0.0817862955255698	0.00381964890907217	0.20620590095985
BRCA	H3F3A	cg16727519	0.0901269005975451	796	2.54676038685454	0.0110609381636497	0.00812285821131978	0.046130629041064
BRCA	H3F3A	cg18947521	0.0734035719134968	111	2.44775489829435	0.0145295611180879	0.0053880843696599	0.0569441318185097
BRCA	H3F3A	cg19410789	0.0048439694399913	796	0.13632298296197	0.891600598734888	2.34640399355696e-05	0.942573783113618
BRCA	H3F3A	cg21266749	-0.0859770749940338	796	-2.42860219837988	0.0153787697028486	0.00739205742452972	0.0595389673665474
BRCA	H3F3A	cg21789564	-0.0779910462437721	796	-2.20156844109238	0.0279834838791706	0.00608260329419819	0.0937571447907402
BRCA	H3F3A	cg22519151	-0.139294405821772	796	-3.95868522924838	8.21401018295833e-05	0.0194029314932406	0.000811841834802516
BRCA	H3F3A	cg27530209	0.00477352498165336	796	0.134340431408723	0.893167513732337	2.27865407504687e-05	0.943332929162108
BRCA	H3F3A	cg27560444	-0.258034921501941	780	-7.439971389081	2.67448224787144e-13	0.0665820207145126	1.65125930151516e-11
BRCA	HAT1	cg00414306	-0.182332140131075	796	-5.21876341253053	2.30259375472719e-07	0.0332450093247781	4.58949471061356e-06
BRCA	HAT1	cg01583365	0.200907460574493	796	5.77172121488504	1.12593493058453e-08	0.0403638077144915	3.04775757755617e-07
BRCA	HAT1	cg04507121	0.0769235870424859	786	2.15750411564999	0.0312703340448629	0.0059172382434829	0.101822626373365
BRCA	HAT1	cg04950839	-0.193197115488063	796	-5.54144988790577	4.08565429674401e-08	0.0373251254329078	9.76165203811128e-07
BRCA	HAT1	cg05421799	0.0614702955841839	796	1.73320510016944	0.0834484353046724	0.00377859723920694	0.209122207179912
BRCA	HAT1	cg09545452	-0.107784807547576	796	-3.05110836077002	0.00235605932777253	0.0116175647380679	0.013571038764409
BRCA	HAT1	cg10190161	-0.104188313595538	796	-2.94816417334037	0.00329064597668745	0.0108552046898823	0.0177243310330557
BRCA	HAT1	cg12941622	0.0289830807668523	796	0.81599899210382	0.414746056376305	0.000840018970737886	0.610315747480889
BRCA	HAT1	cg13293756	-0.159083079986241	796	-4.53474377128447	6.65933167575078e-06	0.0253074263379088	9.14485522300717e-05
BRCA	HAT1	cg14446129	-0.0920274628310743	796	-2.60091945363505	0.00947086112794878	0.00846905391512476	0.0408321974389076
BRCA	HAT1	cg16017358	0.135467409038313	111	4.54709854565158	6.03845763376903e-06	0.0183514189115536	8.4003745507183e-05
BRCA	HAT1	cg24611092	-0.0686373791071128	315	-1.21524377823247	0.225191928693821	0.00471108981069352	0.414542851415217
BRCA	HDAC1	cg03762702	-0.0932570224628958	796	-2.6359726364972	0.00855384567597371	0.00869687223864505	0.0378283139398953
BRCA	HDAC1	cg04967775	-0.0936499757653743	795	-2.6455060672727	0.00831881231287579	0.00877031796085519	0.0370246401434784
BRCA	HDAC1	cg06473843	-0.0868873397591893	796	-2.45450908663225	0.0143218549867023	0.00754940981042879	0.0563358642279173
BRCA	HDAC1	cg10842753	-0.0743914485903717	796	-2.0993780675695	0.0360995115333786	0.00553408762337392	0.113490620336539
BRCA	HDAC1	cg14172124	-0.0914307826113177	796	-2.58391319322882	0.00994663315248343	0.00835958800891804	0.0424435510649057

BRCA	HDAC1	cg20002354	-0.18007987032114	796	-5.15212373347644	3.25392399594229e-07	0.0324287596948786	6.26108739402263e-06
BRCA	HDAC1	cg20793809	-0.0870812060550194	795	-2.45847394144984	0.0141661670675585	0.00758313644799675	0.0558384971822788
BRCA	HDAC1	cg21930229	-0.0355949874971915	796	-1.00236694426023	0.316472545088867	0.00126700313492522	0.515724688354002
BRCA	HDAC1	cg23018091	-0.211985199651574	796	-6.10453075212691	1.61342584387608e-09	0.0449377248713177	5.13353170136999e-08
BRCA	HDAC1	cg26115470	-0.0672911781512196	796	-1.89804375914305	0.0580536580786799	0.00452810265697917	0.160702639453895
BRCA	HDAC10	cg00711351	0.0421064389278964	796	1.18603208394968	0.235965314566847	0.00177295219918867	0.427247426542845
BRCA	HDAC10	cg01120165	0.0359284089213561	111	1.19562788202606	0.232098088493563	0.00129085056762018	0.422708629691948
BRCA	HDAC10	cg04321608	0.0146564909502573	796	0.412514525885555	0.680073973989384	0.000214812726974974	0.815376045812285
BRCA	HDAC10	cg04586023	-0.0883493137665292	111	-2.94973063432065	0.0032474521696376	0.00780560124301662	0.0175553991106669
BRCA	HDAC10	cg07482373	0.0288264068111252	796	0.811584264646771	0.417274062402297	0.000830961729640486	0.612745501076397
BRCA	HDAC10	cg07744063	0.000885660453255293	796	0.0249247042622075	0.980121300631117	7.8439443846037e-07	0.989790955439119
BRCA	HDAC10	cg09151829	-0.00295979690230128	796	-0.0832964330743225	0.933636884323181	8.76039770287224e-06	0.964662218815246
BRCA	HDAC10	cg10508940	0.0301301059236397	796	0.848321492449458	0.396515260584552	0.000907823282969747	0.593122237043372
BRCA	HDAC10	cg11645658	-0.0721274501670159	796	-2.03514706999209	0.0421685750380307	0.00520236906759536	0.127268021316654
BRCA	HDAC10	cg12464820	0.0220608296061297	796	0.620997909240945	0.534779671820348	0.000486680202910689	0.711436116585874
BRCA	HDAC10	cg26943378	-0.0129178904343313	796	-0.36357199750056	0.716274665283926	0.000166871893273388	0.838696167547869
BRCA	HDAC11	cg01409735	-0.0665012620171581	796	-1.87566348396066	0.0610691541986111	0.00442241784987472	0.166754727673469
BRCA	HDAC11	cg01712016	-0.0553292180908117	111	-1.84288346590089	0.0656135027458838	0.0030613223745406	0.175769174676766
BRCA	HDAC11	cg02762546	-0.203536202925242	796	-5.85048216577942	7.17018850738866e-09	0.0414269859012253	2.02173847315619e-07
BRCA	HDAC11	cg02941903	-0.0872575949790127	796	-2.465048624933	0.0139105886093316	0.00761388788152141	0.0551060890768669
BRCA	HDAC11	cg05987698	-0.0316857786323147	795	-0.891601413595667	0.372877743373377	0.00100398856753605	0.571455471089784
BRCA	HDAC11	cg07450135	0.0384990943644998	796	1.08426438928579	0.278577538552643	0.00148218026688666	0.475491233715819
BRCA	HDAC11	cg08051076	-0.063622446694483	796	-1.79412919412141	0.073173859879515	0.00404781572339232	0.190473374003446
BRCA	HDAC11	cg08448040	-0.0607744183212088	111	-2.02489216060413	0.043118310039888	0.00369352992228128	0.129361581613693
BRCA	HDAC11	cg10061496	-0.0655889661652807	315	-1.16103215024854	0.246516348769288	0.00430191248263033	0.439697657484885
BRCA	HDAC11	cg10455785	-0.0303806795096885	796	-0.855382952039274	0.392597867897003	0.000922985687470407	0.58947338750687
BRCA	HDAC11	cg11432034	-0.0812887997484872	796	-2.29526558082509	0.0219784819625806	0.00660786896454966	0.0781870324582494
BRCA	HDAC11	cg13397067	-0.0860747331501125	796	-2.43138133568793	0.0152621873257625	0.00740885968686308	0.0591936684026506
BRCA	HDAC11	cg13706066	-0.0430206768431177	796	-1.21183109888724	0.225938451457357	0.00185077863603997	0.415366667281257
BRCA	HDAC11	cg16254764	-0.0674028014557643	111	-2.24669587804314	0.0248561032105348	0.00454313764408519	0.085833438084177
BRCA	HDAC11	cg18521047	-0.0109814107515737	796	-0.309062928050322	0.757354942893696	0.000120591382094779	0.864631994933965
BRCA	HDAC11	cg19779799	-0.099091504501152	796	-2.80247499618958	0.00519506589728341	0.00981912626430183	0.0255609990774313
BRCA	HDAC11	cg20894727	-0.0327895806557128	796	-0.923277062387655	0.356144026100352	0.00107515659957749	0.554938676570339
BRCA	HDAC11	cg20922324	-0.0852055213641171	796	-2.4066479442161	0.0163276708090858	0.00725998087093102	0.0622617565217171
BRCA	HDAC11	cg21655280	-0.0505480328782784	796	-1.4243686088129	0.154733681824382	0.00255510362786351	0.322371506262614
BRCA	HDAC11	cg25127083	-0.0404941812525528	796	-1.14054277811609	0.254405013796444	0.0016397787153146	0.448566071559588
BRCA	HDAC11	cg25150878	-0.0521622356922479	796	-1.46997662517963	0.141965213025593	0.00272089883241362	0.304201674207766
BRCA	HDAC11	cg27025856	-0.0964063708519519	111	-3.21969340603241	0.00132065040211141	0.00929418834084408	0.00845307531527525
BRCA	HDAC2	cg00161229	-0.171093546726173	796	-4.88705994022692	1.23910780075731e-06	0.0292730017313411	2.06812169603334e-05
BRCA	HDAC2	cg01129566	0.0584759438089934	796	1.64847977952195	0.0996508481780682	0.00341943600435255	0.237667486760826
BRCA	HDAC2	cg08198132	-0.267541880242774	796	-7.81415115792883	1.75908889182106e-14	0.0715786576838389	1.28133484316786e-12
BRCA	HDAC2	cg10999867	0.00503748525749786	796	0.14176920024717	0.887298366236223	2.53762577195082e-05	0.940108350079743
BRCA	HDAC2	cg13393754	-0.22420507188435	796	-6.47451838442194	1.6674464639164e-10	0.0502679142586665	6.39631805788524e-09
BRCA	HDAC2	cg15005908	-0.183788529608061	796	-5.26189991682481	1.83697030138006e-07	0.0337782236154932	3.76066493751476e-06
BRCA	HDAC2	cg15242771	-0.264020728542654	796	-7.70354682197589	3.95565323298683e-14	0.0697069451001938	2.75740221870052e-12
BRCA	HDAC2	cg18387216	-0.223195454701372	111	-7.61481052034565	5.64561921983335e-14	0.0498162109993521	3.84247857907013e-12
BRCA	HDAC2	cg18674783	0.0944133893913463	796	2.66895028662277	0.0077645958037898	0.00891388809636199	0.0351287563803445
BRCA	HDAC2	cg22867643	-0.0812105042013978	796	-2.29304014841661	0.0221069172702894	0.00659514599264526	0.0785244762629652
BRCA	HDAC2	cg24023618	0.0493046292825137	796	1.38924487874698	0.165148756011575	0.0024309464686861	0.337083022646914
BRCA	HDAC3	cg01947930	0.0641047554547803	796	1.8077860312742	0.0710190668040382	0.00410941967191719	0.1863044410148486
BRCA	HDAC3	cg01961137	-0.0555123612272108	796	-1.56466904346595	0.11805998156411	0.00308162224902033	0.267718714096611
BRCA	HDAC3	cg04284814	-0.10568166507393	111	-3.53440318125002	0.000425585250692828	0.0111686143327984	0.00327124027369657
BRCA	HDAC3	cg08520975	-0.104324810658077	796	-2.95206903328038	0.00324976959752253	0.0108836661188435	0.0175643116499307
BRCA	HDAC3	cg10414058	0.0225224385503198	111	0.749209287224329	0.453890385716651	0.000507260238252933	0.644201063023447
BRCA	HDAC3	cg11064797	0.0967948444531852	111	3.23278975518018	0.00126212325833082	0.00936924191271632	0.00814818396336828
BRCA	HDAC3	cg11153694	0.0850807519053425	796	2.40309808920562	0.0164858485666222	0.00723873434477844	0.0627384846586346
BRCA	HDAC3	cg12082871	0.0228240973604434	796	0.642494407911742	0.520738157240442	0.000520939420319001	0.700955205723235

BRCA	HDAC3	cg14098966	-0.110989823704388	796	-3.14294908594859	0.00173485753424196	0.012318740965931	0.0105885381310858
BRCA	HDAC3	cg17940889	0.0458070697813592	796	1.29047982197768	0.197260721745406	0.00209828764195431	0.379531567731493
BRCA	HDAC3	cg18671773	-0.0953234865629801	796	-2.69491239357456	0.00718992802013278	0.00908656709052266	0.0331025188138847
BRCA	HDAC3	cg19549288	0.0622127498495392	796	1.75422005499956	0.0797795316860083	0.00387042624384134	0.20266350866684
BRCA	HDAC3	cg20642138	-0.0100374769707081	796	-0.28249387215424	0.777638653154252	0.000100750943937495	0.877027768034473
BRCA	HDAC3	cg23421926	-0.0348878521027535	796	-0.982429257907713	0.326188428988224	0.0012171622243436	0.525688356253442
BRCA	HDAC3	cg24385322	0.0873619084587579	111	2.91650901436299	0.00361119889705546	0.0076321030495564	0.0190900793012729
BRCA	HDAC6	cg07153944	-0.0959028595534292	796	-2.71144356560353	0.00684423858807868	0.00919735847052477	0.0318331159106178
BRCA	HDAC6	cg07674520	-0.184720090133613	781	-5.23918090246074	2.07925451952232e-07	0.03412151169897	4.19159176189996e-06
BRCA	HDAC6	cg10783042	-0.092524116794399	111	-3.0902915137479	0.00204956005349737	0.00856071218858359	0.0121295910841974
BRCA	HDAC6	cg12510923	-0.0537139275801898	796	-1.51382933174652	0.130468075663117	0.00288518601608987	0.286891104023305
BRCA	HDAC6	cg13178935	-0.11169555767127	796	-3.16318534209989	0.00162007255738006	0.0124758976034959	0.0100184359720846
BRCA	HDAC6	cg17152375	-0.0746782509794128	795	-2.10618620872989	0.0355026848437868	0.00557684116934417	0.112026272828091
BRCA	HDAC6	cg24616736	-0.074204035063067	111	-2.47459456052643	0.0134878588958993	0.00550623881964088	0.0538310329852037
BRCA	HDAC6	cg26680189	-0.0972764859871474	796	-2.7506482114604	0.00608348510394982	0.00946271472600769	0.0289951378615778
BRCA	HDAC9	cg00332048	-0.136078857028543	796	-3.86555586004831	0.000119917489178539	0.0185174553301946	0.00112593065071363
BRCA	HDAC9	cg02301805	-0.119628439633516	796	-3.39099434756773	0.000730902904778736	0.0143109635691499	0.00516813857247382
BRCA	HDAC9	cg03260621	-0.132722595188736	796	-3.76848384676672	0.000176432803648015	0.017615287273633	0.00156254707729892
BRCA	HDAC9	cg07513622	-0.0349373395990257	794	-0.982581521837192	0.326114259854081	0.00122061769825765	0.525623269611909
BRCA	HDAC9	cg08146609	-0.00827596685959645	796	-0.232914328793467	0.815888110346141	6.84916274611387e-05	0.90088659651445
BRCA	HDAC9	cg08285151	-0.098732654118505	110	-3.2936600719278	0.00102035753989215	0.00974813698928434	0.00682466636216746
BRCA	HDAC9	cg08725366	-0.131046003479384	796	-3.72004200975238	0.00021325270798213	0.0171730550279187	0.00183049554946065
BRCA	HDAC9	cg10068437	-0.137156330538941	796	-3.89674783762221	0.00010573513522292	0.0188118590069072	0.0010102627253171
BRCA	HDAC9	cg11321459	0.0326733054509468	796	0.91999522399852	0.357853129860815	0.00106754488909087	0.556872131121134
BRCA	HDAC9	cg11765288	0.0417670895683446	796	1.17645669717852	0.239765899621105	0.00174448977101012	0.431677391171382
BRCA	HDAC9	cg12081743	-0.0218469937804202	111	-0.726729710728812	0.467545329153026	0.00047729113724172	0.656597294781003
BRCA	HDAC9	cg16475478	-0.11181204700551	795	-3.16452632819528	0.0016127951231948	0.0125019338555623	0.0098257491915612
BRCA	HDAC9	cg18856632	-0.158591008983933	795	-4.51749991177775	7.2115622890465e-06	0.025151108130542	9.79256897737971e-05
BRCA	HDAC9	cg19585556	0.068524986822001	789	1.92444650466954	0.0546598029823958	0.00469567381895541	0.153987278670692
BRCA	HDAC9	cg20648975	-0.0172348576065604	796	-0.485103939481717	0.627736766610768	0.000297040316718412	0.779998626720517
BRCA	HDAC9	cg21433125	0.0227829470078888	796	0.641335430452658	0.521490319806894	0.000519062674364271	0.701469327629716
BRCA	HDAC9	cg23074799	-0.0438563124702893	796	-1.23541469047476	0.217042541007474	0.00192337614349165	0.404387724404687
BRCA	HDAC9	cg23385718	-0.169462404108145	796	-4.83908414064162	1.56802860384614e-06	0.0287175064061123	2.54555962453269e-05
BRCA	HDAC9	cg24350771	-0.0737186290531199	796	-2.08028640957869	0.0378202355048475	0.00543443626947149	0.117508882533114
BRCA	HDAC9	cg25620356	-0.0313565791867181	796	-0.882886508376898	0.377565489770826	0.000983235058292921	0.576151203131744
BRCA	HDGF	cg00692559	0.040589207808696	796	1.14322366932747	0.253291180708277	0.00164748379053751	0.447332155372874
BRCA	HDGF	cg00746981	0.0872651676189468	111	2.91325460027576	0.00364875718137304	0.00761520947956288	0.0192574288432941
BRCA	HDGF	cg01910231	-0.0858016309252106	796	-2.42360962140121	0.0155901778034136	0.00736191986942605	0.0601522003261992
BRCA	HDGF	cg02914429	0.00333648602034734	796	0.0938975623154168	0.925214278867403	1.11321389639732e-05	0.960618337451796
BRCA	HDGF	cg04402095	-0.122933736963185	796	-3.48610454088333	0.000517084024561447	0.0151127036837335	0.00385787231291198
BRCA	HDGF	cg05762852	0.0463106382243154	796	1.30469671054252	0.192375115019639	0.00214467521274342	0.373021677413703
BRCA	HDGF	cg05967123	-0.0123713819991481	796	-0.348188196909181	0.727791377437117	0.000153051092568846	0.84605203849885
BRCA	HDGF	cg06106793	-0.00206986400173433	111	-0.0688367416971145	0.94513201464839	4.28433698567566e-06	0.970660610808957
BRCA	HDGF	cg06119628	-0.0850353521452471	796	-2.40180643465462	0.0165437370440304	0.00723101111446617	0.0629007311022508
BRCA	HDGF	cg07313589	0.0258322424599792	796	0.727226424191333	0.467302165521827	0.000667304750511152	0.656410109143856
BRCA	HDGF	cg07892339	0.0288657428086611	796	0.81269266089396	0.416638507180177	0.000833231107895768	0.612193487439916
BRCA	HDGF	cg08597205	0.0848109921211297	796	2.39542345798578	0.0168324385159612	0.00719290438457033	0.0637518365097706
BRCA	HDGF	cg08708935	0.0371271722438394	796	1.04557211373729	0.296077631568778	0.00137842691882372	0.49403850693367
BRCA	HDGF	cg09063372	0.0384140300562378	796	1.08186514703462	0.279641740591692	0.00147563770516154	0.476715816443662
BRCA	HDGF	cg09477492	-0.0250561186907192	796	-0.705363135376397	0.48079167605717	0.000627809083843405	0.667988992323889
BRCA	HDGF	cg11588596	0.0767633503104977	796	2.1667053775306	0.0305548453564055	0.00589261195089218	0.100058243797618
BRCA	HDGF	cg12220178	-0.116345820541505	796	-3.29664994742846	0.00102204010806846	0.013536349957476	0.0068335701046049
BRCA	HDGF	cg12421458	-0.0286519914453799	111	-0.953258559622197	0.340667366885589	0.000820936613786124	0.539947937697495
BRCA	HDGF	cg13170934	0.014335660057443	796	0.403482697392185	0.686702067630481	0.000205511149282565	0.819701903658329
BRCA	HDGF	cg13235992	0.0286233188959143	796	0.80586178294774	0.420564435141326	0.000819294384617205	0.615729254505125
BRCA	HDGF	cg14155849	-0.00642745153016402	796	-0.180888256193951	0.856501564784704	4.13121331726078e-05	0.923665853835985
BRCA	HDGF	cg15503799	-0.0514492556288362	111	-1.71329526917127	0.0869384690509172	0.00264702590476133	0.21547110608516

BRCA	HDGF	cg17170583	-0.0349794127536704	796	-0.98501072706611	0.324919613277839	0.00122355931659164	0.524295210539839
BRCA	HDGF	cg17218029	-0.073775314072686	796	-2.08189477046341	0.0376726263798142	0.00544279696652346	0.117188159268105
BRCA	HDGF	cg17971171	0.0263883737362585	796	0.742893364847311	0.457766531784384	0.000696346268444457	0.647905712350528
BRCA	HDGF	cg18593717	-0.153108900611522	795	-4.35752345413698	1.48878419349506e-05	0.0234423354464689	0.000185250283987132
BRCA	HDGF	cg19599803	-0.0329771502770922	795	-0.927977912918634	0.35370209825768	0.00108749244039792	0.5527168115995
BRCA	HDGF	cg20284773	-0.0337582395874766	796	-0.950582879348519	0.342106147098468	0.00113961874004547	0.5412940713767
BRCA	HDGF	cg23747104	-0.0351368459535785	796	-0.98944947084319	0.322745464067205	0.00123459794356551	0.52212990271059
BRCA	HDGF	cg26431298	-0.0564591473768853	796	-1.5914397371756	0.111909679844086	0.00318763532252485	0.258036741865225
BRCA	HDGFL1	cg02685945	-0.013093966908985	796	-0.368528486312702	0.712577692250114	0.000171451969413593	0.836491157249214
BRCA	HDGFL1	cg03930485	0.00190272331200831	796	0.0535474773859166	0.957309206888242	3.62035600205988e-06	0.977560827701368
BRCA	HDGFL1	cg05276066	-0.0393831453655487	796	-1.10920049077822	0.267680387898574	0.00155103213888394	0.463392409457066
BRCA	HDGFL1	cg06566039	-0.0101316892147436	796	-0.285145644235175	0.775607110939925	0.000102651126344151	0.875770860814279
BRCA	HDGFL1	cg08671671	-0.039286260899278	796	-1.10646758004753	0.268860150155307	0.00154341029544614	0.464731514046615
BRCA	HDGFL1	cg09081892	-0.0467418851542585	796	-1.31687258936447	0.188262236874998	0.00218480382777389	0.367759955189173
BRCA	HDGFL1	cg11894257	-0.0215940856502615	796	-0.607853176789573	0.543459111232548	0.000466304535070828	0.717791988573207
BRCA	HDGFL1	cg15317945	-0.0442761530407412	796	-1.24726455061824	0.212669201585233	0.00196037772808713	0.39894500355338
BRCA	HDGFL1	cg20209681	-0.10620062000872	796	-3.00574871208127	0.00273291411933904	0.0112785716902365	0.0152919744659326
BRCA	HDGFL1	cg21898884	0.0114984072871163	795	0.323410891261	0.746469564231056	0.000132213370140409	0.857615389883488
BRCA	HIST1H1	cg00667898	-0.103587436467325	796	-2.93097649134301	0.00347620454153752	0.0107303569938721	0.0185440482825461
BRCA	HIST1H1	cg00700007	-0.116412670959775	796	-3.29857016406036	0.00101517026511399	0.0135519099599889	0.00679873929100185
BRCA	HIST1H1	cg03821311	-0.184703408903501	111	-6.25014139107607	5.84379675545398e-10	0.034115349260574	2.01423271951168e-08
BRCA	HIST1H1	cg04676561	-0.1154903863382	111	-3.86668864427625	0.000116752992762395	0.0133380293365466	0.00110039766403656
BRCA	HIST1H1	cg07138603	-0.111375604878646	796	-3.15401039882136	0.00167121851982409	0.0124045253620843	0.0102734708440296
BRCA	HIST1H1	cg11206041	-0.109677524890773	796	-3.10533292833238	0.0019683525543727	0.0120291594661662	0.0117391918594656
BRCA	HIST1H1	cg14334286	-0.110605640265276	796	-3.13193501371988	0.00180043636883284	0.0122336076584917	0.0109091943980826
BRCA	HIST1H1	cg18798248	-0.132212466771581	796	-3.75374121977078	0.000186950872180721	0.0174801363698264	0.00163946073164547
BRCA	HIST1H1	cg23460835	-0.107999674669165	796	-3.05726240060734	0.00230877667309363	0.0116639297286454	0.0133558129466572
BRCA	HIST1H1	cg00903962	-0.0530620273592877	796	-1.49540451476962	0.135207240178297	0.0028155787474778	0.294021133852252
BRCA	HIST1H1	cg04290376	0.00277849061514847	796	0.0781939588485418	0.937693517976656	7.72001009846814e-06	0.96664874103142
BRCA	HIST1H1	cg07750111	-0.0209623668589506	111	-0.697289813393426	0.485767984783391	0.00043942082432923	0.672357167658378
BRCA	HIST1H1	cg08283682	-0.00971404759532863	796	-0.273390430833566	0.784624383225956	9.436272068431e-05	0.881048921314666
BRCA	HIST1H1	cg10717387	0.0256393196902313	796	0.721791697685093	0.470635591433434	0.000657374714177882	0.659140625787142
BRCA	HIST1H1	cg12633985	-0.0134176450511254	796	-0.37763999824366	0.705799225073898	0.00018003319871799	0.832223434981621
BRCA	HIST1H1	cg15022984	0.0332964968321293	796	0.937566344663001	0.34875312602524	0.001108656701292	0.547899767478644
BRCA	HIST1H1	cg16481032	0.00313871768199321	796	0.0883317803910337	0.929635310326674	9.85154868725682e-06	0.962701330256825
BRCA	HIST1H1	cg16482183	0.0223572909796269	796	0.629347248533373	0.529303234437428	0.000499848459947706	0.707501990031362
BRCA	HIST1H1	cg17691542	0.013483331651373	796	0.379489084805034	0.704426435169834	0.000181800232420916	0.831312956577701
BRCA	HIST1H1	cg20855557	-0.00385425799034957	796	-0.108469240196963	0.913650953000786	1.48553046561735e-05	0.954410088759573
BRCA	HIST1H1	cg21453677	-0.0647021128359652	315	-1.14526694224231	0.252976325806126	0.00418636340543797	0.446989195279407
BRCA	HIST1H1	cg23407813	0.0109630397875656	796	0.308545829918516	0.757748170363044	0.000120188241383746	0.86495276976791
BRCA	HIST1H3	cg00958605	-0.0171561844837595	795	-0.482583948794829	0.629524698020355	0.000294334666040792	0.781407272160917
BRCA	HIST1H3	cg01043409	-0.0473055636618131	796	-1.3327886713332	0.182984448838741	0.00223781635336185	0.360985246562891
BRCA	HIST1H3	cg08041469	-0.0519864576973694	796	-1.46500960371068	0.143315139439015	0.00270259178392038	0.306163120085041
BRCA	HIST1H3	cg08401836	-0.026125033402738	796	-0.735474640337801	0.462268217683364	0.000682517370294174	0.651739710146428
BRCA	HIST1H3	cg10075390	-0.114189238372008	796	-3.23472832355485	0.00126809590021274	0.0130391821599792	0.00817792029023876
BRCA	HIST1H3	cg15479139	-0.0457252260988747	796	-1.28816928110783	0.198063255460564	0.00209079630179321	0.380616888871575
BRCA	HIST1H3	cg15797414	-0.0482075685307213	111	-1.60508494655469	0.108760587942478	0.00232396966364419	0.252912317112698
BRCA	HIST1H3	cg21209604	-0.097739863054186	796	-2.76387701536107	0.0058445491775461	0.00955308082985103	0.0280921136063035
BRCA	HIST1H3	cg23099349	-0.0462727030097285	111	-1.54052190870638	0.123719229742087	0.00214116304382654	0.276505796327164
BRCA	HIST1H3	cg25701114	-0.108490822355913	796	-3.07133106088638	0.00220393734310827	0.0117702585354622	0.0128438910532448
BRCA	HLTF	cg00906762	-0.121469157232823	796	-3.4439468116873	0.000603414628770137	0.0147547561588523	0.00439491036705777
BRCA	HLTF	cg02059813	-0.0197224589909006	111	-0.656029103630487	0.511941848114511	0.000388975388647757	0.693840827998921
BRCA	HLTF	cg02398045	-0.0837973379684702	796	-2.3665898555713	0.0181924986436346	0.00702199385060202	0.0676708061338295
BRCA	HLTF	cg02611507	-0.243352787361185	796	-7.06081790479357	3.62312308326772e-12	0.059220579116458	1.86907982188149e-10
BRCA	HLTF	cg02710346	-0.112429909738024	796	-3.18424734108543	0.00150807441810555	0.0126404846037002	0.00944142453582034
BRCA	HLTF	cg03678609	-0.0776227537336272	796	-2.19110893341001	0.0287345582221157	0.00602529189719133	0.0955983501830931
BRCA	HLTF	cg04120413	-0.232723711177931	796	-6.73433103894464	3.16419217380159e-11	0.0541603257444293	1.37057442076125e-09

BRCA	HLTF	cg04731810	-0.185434830059382	79e-5.31070455781825	1.41986540303819e-07	0.0343860761991517	2.98049134279419e-06
BRCA	HLTF	cg04836786	-0.0833606743415751	110-2.76936832213894	0.00571129945934427	0.00694900202668213	0.0275862926946621
BRCA	HLTF	cg05555455	-0.116318021365819	79e-3.29585145510867	0.00102490949583412	0.0135298820944592	0.00685098894302451
BRCA	HLTF	cg07275648	-0.240778565655193	79e-6.98150482087677	6.1829325251789e-12	0.0579743176789719	3.05256450521162e-10
BRCA	HLTF	cg09352720	-0.236732136457341	79e-6.85714758236064	1.41465934953708e-11	0.0560421044316572	6.53903799393272e-10
BRCA	HLTF	cg09392355	-0.10683998557779	79e-3.02405270110535	0.00257465378291525	0.0114147825182623	0.0145677952133325
BRCA	HLTF	cg15438497	-0.107705817710768	79e-3.04884611039445	0.0023736627618097	0.0116005431687451	0.0136525631021144
BRCA	HLTF	cg16724124	0.0992801154122346	79e-2.80786228064983	0.00510980753085283	0.00985654131626662	0.0252164658116699
BRCA	HLTF	cg20117402	-0.106485287897127	79e-3.01389782035444	0.00266138655807634	0.011339116538534	0.0149649371809896
BRCA	HLTF	cg21089667	-0.00674316321866507	111-0.224259634177299	0.822596703954431	4.54702501935575e-05	0.904623805307196
BRCA	HLTF	cg21111416	-0.190886174932846	79e-5.47264312648621	5.95213559615384e-08	0.0364375317804931	1.36590099282358e-06
BRCA	HLTF	cg21835021	-0.118507697110549	79e-3.35877103151607	0.000820317360791647	0.0140440742744455	0.00568717304744902
BRCA	HLTF	cg21926402	-0.0851123593601993	79e-2.40399735204219	0.0164456513547019	0.0072441137158597	0.0626161414197181
BRCA	HLTF	cg24041269	-0.0114603749400804	79e-0.322544721633293	0.747125189504934	0.000131340193767222	0.858013832186992
BRCA	HLTF	cg24710191	0.156271951623721	76e-4.36744337348441	1.43096546515827e-05	0.0244209228642865	0.000178914380257991
BRCA	HLTF	cg25951608	-0.192400251930015	79e-5.51771303815406	4.65409721290765e-08	0.0370178569427334	1.09682168609796e-06
BRCA	HLTF	cg26151310	-0.0832115077592927	111-2.7769607766001	0.00557965728957027	0.00692415502357483	0.0270782195374192
BRCA	HLTF	cg27554556	-0.0713954692912985	79e-2.01438714609694	0.0443065036514962	0.00509731303532475	0.132065601941243
BRCA	IDH1	cg00707300	-0.0141497789328344	79e-0.398249946677481	0.690553283582335	0.000200216243848085	0.822193967469674
BRCA	IDH1	cg01046174	-0.0129161174278759	111-0.42958170474117	0.667583621968868	0.000166826089410679	0.807180607513927
BRCA	IDH1	cg02241586	-0.043726454152884	111-1.45558445273296	0.145791305714139	0.00191200279278426	0.309772180283661
BRCA	IDH1	cg03448938	-0.0591700899493721	79e-1.66811661600734	0.0956878521883329	0.00350109954461679	0.230726862757312
BRCA	IDH1	cg05268564	-0.0145924827468945	79e-0.410712597317804	0.681394380490649	0.000212940552718414	0.816222095981819
BRCA	IDH1	cg07129696	-0.0496038400977589	79e-1.39769640372979	0.162595609965467	0.00246054095244404	0.333242352432598
BRCA	IDH1	cg07915542	-0.0219014625451759	111-0.728213022723072	0.466637479805214	0.000479674061617744	0.655886584561008
BRCA	IDH1	cg09406631	-0.00620416783883815	79e-0.174604120084174	0.861435334242556	3.84916985724736e-05	0.926382366492472
BRCA	IDH1	cg09615745	-0.0921542355880723	79e-2.60453302623733	0.00937242566045345	0.00849240313682192	0.040511083555357
BRCA	IDH1	cg10356455	0.00559167965978521	79e-0.157366274596398	0.874996300351651	3.12668814176556e-05	0.933872894088728
BRCA	IDH1	cg14772913	-0.00162787510084134	79e-0.0458125268691816	0.963471222786288	2.6499773439392e-06	0.980806871398951
BRCA	IDH1	cg15399923	-0.0363748965351148	79e-1.0243582332768	0.305978868547513	0.00132313309794031	0.504489330898527
BRCA	IDH1	cg16085695	-0.0566717312637343	79e-1.59745120688661	0.110564039816158	0.00321168512442892	0.255927722966503
BRCA	IDH1	cg16863783	-0.0315950763221996	79e-0.889608399634055	0.373946322872062	0.000998248847805617	0.572587573664281
BRCA	IDH1	cg24324379	-0.0956821389373416	111-3.19672732515174	0.00142934086817965	0.00915507171162475	0.00903503237987872
BRCA	IDH1	cg24830471	-0.0198766282793223	79e-0.559488435563243	0.575986603395811	0.000395080351754354	0.742683138988177
BRCA	IDH1	cg24987806	0.00459391587299697	79e-0.129285616693149	0.897164477167085	2.11040630481735e-05	0.945564587556714
BRCA	IDH1	cg25795625	-0.0162787229493008	79e-0.458184584778804	0.64694552026991	0.000264996820860093	0.792974094092729
BRCA	IDH1	cg26105702	-0.0583534881456279	79e-1.64501585700343	0.10036334002805	0.00340512957876194	0.238849398618732
BRCA	ING2	cg02075087	-0.11062206818362	79e-3.13240595304399	0.00179758627206837	0.0122372419692215	0.0108953195519506
BRCA	ING2	cg02552216	-0.0780123643380445	79e-2.20078320229079	0.0280396399812285	0.0060859289896118	0.0938967652145706
BRCA	ING2	cg10348863	0.0131031218242849	111-0.435802410336072	0.663065137158847	0.00017169180154205	0.804091804834534
BRCA	ING2	cg17985608	0.0174087205102875	79e-0.48999907829542	0.624270252831025	0.000303063549805304	0.777416684102018
BRCA	ING3	cg01382559	-0.0628521003344417	79e-1.77231902837439	0.0767259917280435	0.00395038651645073	0.197075372288157
BRCA	ING3	cg01416111	-0.128410414696782	791-3.63243670670771	0.000298958229241175	0.0164892346025994	0.00243658004039686
BRCA	ING3	cg10268125	0.0343720504518023	79e-0.967887161055256	0.333396192588934	0.00118143785226124	0.532998158818429
BRCA	ING3	cg14303833	-0.105085561399349	79e-2.97383541875355	0.00303028957595968	0.0110429752146164	0.0165966169580546
BRCA	ING3	cg16130600	0.143378002511953	79e-4.07713966636334	5.01969381410808e-05	0.0205572516043177	0.000531729385314166
BRCA	ING3	cg18485114	0.0808975530463563	79e-2.28414541188435	0.0226268082203237	0.00654441408888803	0.0799341500700179
BRCA	ING3	cg19478983	0.101197566111972	79e-2.8626477880179	0.00431204111186323	0.0102409473869869	0.0220473825998218
BRCA	ING3	cg19960827	0.0045313627716553	79e-0.127525161405535	0.89855713082058	2.05332485683436e-05	0.946352852298873
BRCA	ING3	cg20553930	-0.0277631503104987	79e-0.781625600203324	0.434668228119905	0.000770792515163347	0.628077161426951
BRCA	ING3	cg24859794	-0.063087541456895	79e-1.7789845346847	0.0756257649036223	0.00398003788707544	0.195047931403123
BRCA	ING4	cg00369908	-0.0382234427843239	79e-1.07648971075855	0.282036095841769	0.00146103157828648	0.479149091304286
BRCA	ING4	cg00443163	-0.177643643836417	79e-5.08013543617937	4.7071826596246e-07	0.0315572641954799	8.73963169028249e-06
BRCA	ING4	cg00591160	-0.242784207653018	79e-7.03883818122225	4.2076304493844e-12	0.0589441714857037	2.14220159148829e-10
BRCA	ING4	cg03930474	0.00631249285975313	111-0.209936095800205	0.833756214905142	3.98475661044343e-05	0.910811347482481
BRCA	ING4	cg04375284	-0.264096325848573	79e-7.7059179402605	3.88791891055337e-14	0.0697468693267155	2.71749113861266e-12
BRCA	ING4	cg08733494	-0.273463119213988	79e-8.0009090855225	4.38185195577758e-15	0.0747820775702441	3.42594764872122e-13

BRCA	ING4	cg12392916	-0.161685890071106	796	-4.6109134188309	4.67273378527663e-06	0.0261423270480857	6.70560140364896e-05
BRCA	ING4	cg18123790	-0.0124281032015177	796	-0.349784841259496	0.726593167112867	0.000154457749187575	0.845189581661807
BRCA	ING4	cg23354319	-0.336568831468054	796	-10.0587238551597	1.75758656868361e-22	0.113278578315771	2.87851977945626e-20
BRCA	ING4	cg27116036	-0.177294075067361	796	-5.06981394239985	4.96124798601739e-07	0.0314331890539909	9.15888290992493e-06
BRCA	INO80	cg00734724	0.00553130879056486	796	0.155667208908973	0.876335011546974	3.05953769365801e-05	0.934555525602937
BRCA	INO80	cg06380007	-0.0209357542646026	111	-0.696404186626292	0.486322067581962	0.000438305806627825	0.672812842123938
BRCA	INO80	cg12580230	-0.00335680930941595	796	-0.0944695199763848	0.92476008819108	1.12681687397816e-05	0.960298822675524
BRCA	INO80	cg18952654	0.129391789408329	795	3.66995947217541	0.000258864893597968	0.0167422351662893	0.00215519429928942
BRCA	INO80	cg21007089	0.0232301097965042	796	0.653929705021385	0.513346915676358	0.00053963800115764	0.695024808495245
BRCA	INO80	cg21598047	-0.0391065331815182	796	-1.10139791496907	0.271058119207755	0.00152932093747718	0.467338274982928
BRCA	INO80	cg22835709	-0.150986292229094	796	-4.29840847921856	1.9346260629544e-05	0.0227968604410893	0.000232507801547157
BRCA	INO80	cg26409855	0.0330122417971247	796	0.929553490696681	0.352885542220633	0.00108980810847183	0.551911128125655
BRCA	INO80	cg27441689	-0.17619676893477	796	-5.03742733417285	5.8474084275611e-07	0.0310453013830528	1.06220440449225e-05
BRCA	INTS12	cg00093890	-0.0548325517939664	796	-1.54544982091076	0.122636958152641	0.00300660873623801	0.274773754284916
BRCA	INTS12	cg01852585	-0.18211338217233	796	-5.21228584122866	2.38171606361224e-07	0.0331652679566243	4.72902550925601e-06
BRCA	INTS12	cg03607115	-0.150991111382467	796	-4.29854887580342	1.93342925144205e-05	0.0227983157165125	0.000232439438426708
BRCA	INTS12	cg19703969	-0.200744459828491	796	-5.76684177434096	1.15765507292041e-08	0.0402983381518326	3.12703537301286e-07
BRCA	INTS12	cg26533745	0.00010620268407787	796	0.00283170537051999	0.997741342099958	1.0124438414455e-08	0.99888411257093
BRCA	IWS1	cg02372421	-0.187295267259708	795	-5.36252441365593	1.07806377221607e-07	0.0350795171378856	2.32898897794438e-06
BRCA	IWS1	cg02592214	-0.0756846848022137	795	-2.13473357723105	0.0330895379242719	0.00572817151361044	0.106198687546661
BRCA	IWS1	cg10180764	-0.114262753469403	796	-3.23683838354365	0.00125887977033155	0.0130559768304095	0.00813129299677619
BRCA	IWS1	cg10488833	-0.161944093215677	796	-4.61847493394552	4.50998845924425e-06	0.0262258893274479	6.49842641597421e-05
BRCA	IWS1	cg15239145	-0.231183270793827	796	-6.68722951994664	4.29451725057029e-11	0.0534457046949317	1.81470763167227e-09
BRCA	IWS1	cg17144508	-0.0882725273115822	796	-2.49394457823286	0.012836123380466	0.00779203907797402	0.0518497005171593
BRCA	IWS1	cg18451256	0.0968149289134736	796	2.7374731612145	0.00633017663436534	0.00937313046052095	0.0299179684747155
BRCA	IWS1	cg18530950	-0.1460562769522	796	-4.15494442792339	3.6077364038783e-05	0.0213324360371377	0.000400485510564082
BRCA	IWS1	cg19311602	-0.00319937676226614	111	-0.106400868356387	0.915283599431771	1.02360116669286e-05	0.955226622089807
BRCA	IWS1	cg19409088	-0.123952006564344	796	-3.51542890496666	0.000463992128577336	0.0153640999313272	0.00352222908377686
BRCA	IWS1	cg21581038	-0.0387114679992695	796	-1.09025449939031	0.27593264335063	0.00149857775465847	0.472411453967272
BRCA	IWS1	cg21679674	-0.165005010815108	796	-4.70818904429364	2.95011135683854e-06	0.027226653594094	4.4476930793391e-05
BRCA	IWS1	cg22409775	-0.111959732026998	796	-3.17076153758947	0.00157893111025101	0.0125349815955572	0.00981159571777837
BRCA	IWS1	cg23570261	0.0566219479763753	111	1.88607809900873	0.0595462658599689	0.00320604499263935	0.163768019738048
BRCA	IWS1	cg23623107	-0.0365717753193951	796	-1.02990996797833	0.30336668441904	0.00133749475001231	0.501870792814829
BRCA	JADE1	cg09863040	-0.114751470643949	794	-3.25086711247566	0.00119916456075549	0.0131679000149492	0.00781435817049863
BRCA	JADE1	cg12832492	-0.131472865093124	794	-3.73237224125237	0.000203249225680926	0.0172851142557949	0.00175972572064255
BRCA	JADE1	cg14617908	0.116425338360402	794	3.29893402858555	0.00101387332487243	0.0135548594123341	0.00679122278587276
BRCA	JADE1	cg15389440	0.0156788720865452	794	0.441296817062754	0.659118575869176	0.000245827029906247	0.801655209204945
BRCA	JADE1	cg15836763	-0.0571339493664578	794	-1.61052261277203	0.10768226161275	0.00326428817020896	0.251230621998029
BRCA	JADE1	cg20039387	0.0770476519462204	794	2.174777845237	0.0299420242252259	0.00593634067042591	0.0985325648298318
BRCA	JADE1	cg22922695	-0.0329309763334748	794	-0.927262743341644	0.354072615384449	0.00108444920227588	0.553077849557978
BRCA	JADE1	cg26766900	-0.115528705762548	794	-3.27318274077305	0.00110955351016928	0.0133468818551693	0.00731620662570853
BRCA	JADE2	cg04590931	-0.0437018477056751	110	-1.45476377523669	0.146018408537575	0.00190985149289002	0.310031256002526
BRCA	JADE2	cg04842522	0.00680683646958786	794	0.191565796271577	0.848131437340868	4.63330227237113e-05	0.918947854935243
BRCA	JADE2	cg17378563	-0.225832150156456	794	-6.52402010430741	1.22012241796622e-10	0.0510001600442883	4.80598498143109e-09
BRCA	JADE2	cg18145011	-0.164470659604909	794	-4.69251745948716	3.17878836955793e-06	0.0270505978708739	4.75833485513545e-05
BRCA	JADE2	cg21194015	-0.0299908210692189	794	-0.844396350061052	0.398702944864525	0.000899449348405906	0.595307222233136
BRCA	JADE2	cg25669900	-0.0808085998792681	794	-2.28161729816685	0.0227765040955405	0.00653002981444764	0.0803158775671242
BRCA	JADE2	cg26133206	-0.0178933362305614	794	-0.503643750147259	0.614651795228935	0.000320171481459921	0.770790848282879
BRCA	JADE3	cg10860619	0.0175242228716486	794	0.493251090937974	0.621971917715731	0.000307098387255213	0.776058307672701
BRCA	JADE3	cg17843048	0.00993659540936717	110	0.330473478439146	0.741104819515829	9.87359283294566e-05	0.854392899923449
BRCA	JADE3	cg19194595	0.0058028521814145	110	0.19298625716448	0.847005162856566	3.36730934393471e-05	0.918277490931263
BRCA	JARID2	cg01769037	-0.018333424044035	111	-0.609809443657713	0.54211330534946	0.0003361144371784	0.716840537060714
BRCA	JARID2	cg03223185	0.0929199814672881	796	2.62636282264518	0.00879698230715421	0.00863412295588116	0.0386334222424497
BRCA	JARID2	cg05197191	-0.143118550208958	796	-4.06960738019007	5.18130725049977e-05	0.020482919413914	0.000547209633784115
BRCA	JARID2	cg06047828	-0.0546823448556023	796	-1.54120353933906	0.123666686324583	0.00299015883890701	0.276436015054728
BRCA	JARID2	cg14862454	0.029880438484117	796	0.841285728354761	0.40044181560749	0.0008928406040031	0.59694114519927
BRCA	JARID2	cg15109221	0.0961879478496435	796	2.71957897176757	0.00667967203243693	0.00925212131152574	0.0312057654390703

BRCA	JARID2	cg21397480	0.042915981469503	796	1.208876531252	0.227071056027147	0.00184178146549072	0.41664148189339
BRCA	JARID2	cg21901688	-0.160082514296612	787	-4.53797423850322	6.57140522282363e-06	0.0256264113835249	9.04646784470609e-05
BRCA	JARID2	cg25338254	-0.16013231263336	796	-4.56543715169775	5.77696264037883e-06	0.0256423575493081	8.08878746662402e-05
BRCA	JMJD6	cg02318866	0.0565622015625693	796	1.59435388720514	0.111255753016763	0.00319928264560472	0.256964242180863
BRCA	JMJD6	cg04510639	-0.119209069028888	796	-3.37893517329691	0.000763246194019575	0.0142108021387341	0.00535352758250463
BRCA	JMJD6	cg07312083	-0.166207979444432	796	-4.74348562815063	2.49154077779081e-06	0.0276250924310006	3.83284404325605e-05
BRCA	JMJD6	cg08857478	-0.00111435957098137	796	-0.0313608776349785	0.974989642021508	1.24179725343779e-06	0.986832077714679
BRCA	JMJD6	cg10712116	0.0695732940571362	796	1.96272203400688	0.0500281530009143	0.00484044324596075	0.144341880894304
BRCA	JMJD6	cg12504415	-0.127996268793946	796	-3.63200884425699	0.000299328811955703	0.0163830448251721	0.00243883384973628
BRCA	JMJD6	cg15457598	0.015993440864469	796	0.45015289852801	0.65272338365911	0.000255790150685267	0.797147505072823
BRCA	JMJD6	cg21102709	-0.161752551541624	796	-4.61286551610899	4.63018749818862e-06	0.0261638879302256	6.65682510135069e-05
BRCA	JMJD6	cg21807925	-0.161260889556692	796	-4.59846933615941	4.95290475681855e-06	0.0260050745006156	7.06595035121846e-05
BRCA	JMJD6	cg23630158	-0.202154199977266	796	-5.80905901930701	9.0968628297267e-09	0.0408663205684486	2.50684146998144e-07
BRCA	JMJD6	cg25004679	-0.0476310571786236	796	-1.34197991861193	0.179987096196266	0.00226871760795331	0.357046005750009
BRCA	JMJD6	cg25908504	-0.120504790051678	796	-3.41620011717821	0.000667376893632739	0.014521404425399	0.00478770915375003
BRCA	JMJD6	cg26612088	-0.130267535460921	796	-3.69756076744646	0.000232694370683457	0.0169696307950623	0.00196998866829349
BRCA	JMJD8	cg00873473	-0.0839139818153625	796	-2.36990743551328	0.0180312512791853	0.00704155634410898	0.0672253025022977
BRCA	JMJD8	cg02851105	-0.0851019615721627	796	-2.40370152405143	0.0164588653883157	0.00724234386342986	0.0626541874152785
BRCA	JMJD8	cg03899598	-0.0866624150732955	796	-2.44810697039123	0.0145768874163182	0.00751037418633616	0.0570889851559774
BRCA	JMJD8	cg05787952	-0.125438177266229	796	-3.55824826500912	0.000395554350922858	0.0157347363158739	0.0030768678307862
BRCA	JMJD8	cg06191810	-0.082950150197645	796	-2.34249710354154	0.019401922603075	0.00688072741781186	0.0711120455587098
BRCA	JMJD8	cg06646636	-0.266947767006016	796	-7.79546574428599	2.01852471459577e-14	0.0712611103094981	1.46345863604159e-12
BRCA	JMJD8	cg08398290	-0.0898109271987444	796	-2.53775903768709	0.0113470976247019	0.00806600264429817	0.0470532122210699
BRCA	JMJD8	cg26750188	0.0763655302354869	796	2.15541055641438	0.0314303882835322	0.00583169420814707	0.102202626071272
BRCA	JMJD8	cg27579097	-0.163886774949683	796	-4.6753979983271	3.44804347972023e-06	0.0268588750034082	5.12000562056414e-05
BRCA	KAT2B	cg00770008	-0.137653888881688	796	-3.91115649565511	9.97334549949389e-05	0.0189485931242522	0.000961739429969169
BRCA	KAT2B	cg04371528	-0.0374397993722483	796	-1.05438859785659	0.292026586427192	0.0014017385770342	0.489769966626385
BRCA	KAT2B	cg05072819	-0.0683299395653579	796	-1.92747990013123	0.0542771841981799	0.00466898064100546	0.153214531278828
BRCA	KAT2B	cg12062464	0.00506271968353368	111	0.168370891331315	0.866322290617914	2.56311305940394e-05	0.928979022972216
BRCA	KAT2B	cg14937543	-0.120437550185041	796	-3.41426586415149	0.000672063362784968	0.0145052034945742	0.00481378300750334
BRCA	KAT2B	cg18053505	-0.0429587762261652	111	-1.42998199917358	0.153004606833729	0.00184545645484974	0.320115116693734
BRCA	KAT5	cg00582417	-0.235000492588461	796	-6.80404567348128	2.00665094326681e-11	0.0552252315168194	8.9715749126723e-10
BRCA	KAT5	cg02561205	-0.099900187911629	796	-2.8255755393905	0.00483833736389288	0.00998004754477878	0.0241479192202914
BRCA	KAT5	cg05785768	-0.230785957841752	796	-6.67508965529391	4.64488568304898e-11	0.053262158336935	1.95426845228292e-09
BRCA	KAT5	cg07564927	-0.282676088061217	796	-8.29345533119717	4.70608249287296e-16	0.079905770761593	4.15085012982493e-14
BRCA	KAT5	cg14726348	-0.120475647134359	796	-3.41536177271619	0.000669404354088767	0.0145143815524426	0.00479915605215939
BRCA	KAT5	cg18896539	0.0175982651680846	111	0.585348731406155	0.558432660968307	0.00030969893692622	0.729454195196321
BRCA	KAT5	cg20108992	-0.063816402098229	796	-1.79962099549979	0.0723010001343963	0.00407253317676285	0.188738096186545
BRCA	KAT5	cg20423942	-0.159706656122244	796	-4.55298344166666	6.12054883805457e-06	0.0255062160097486	8.50101725241238e-05
BRCA	KAT5	cg22048492	0.0319235516194085	111	1.06220948773541	0.28837247132831	0.00101911314799704	0.485889710679232
BRCA	KAT6A	cg10163397	-0.147405283345872	796	-4.19416874462963	3.0481130034814e-05	0.0217283175582769	0.000345814354663602
BRCA	KAT6A	cg12468056	0.0703284199187445	111	2.3446883070481	0.0192191177645186	0.00494608664826726	0.0705582246137893
BRCA	KAT6A	cg15251374	-0.333577051898907	792	-9.93288131747404	5.50392236961197e-22	0.111273649553566	8.68503320124937e-20
BRCA	KAT6A	cg20966972	0.0869811831074605	111	2.90370168736447	0.00376106830453286	0.00756572621477357	0.0197561477165988
BRCA	KAT6B	cg04396765	-0.0718294747428975	796	-2.02669570478109	0.0430281336976817	0.00515947344184054	0.129140842317803
BRCA	KAT6B	cg06972998	-0.0155634416427339	796	-0.438047127006315	0.661471564569971	0.000242220715766784	0.803050694173131
BRCA	KAT6B	cg09631472	-0.0143949259204448	796	-0.405151103035729	0.685475854671661	0.000207213892255094	0.819025152257402
BRCA	KAT6B	cg10359932	0.0261976597944462	796	0.737520628273691	0.461024245283521	0.000686317378705544	0.650669813816876
BRCA	KAT6B	cg10739686	-0.109268427287679	796	-3.09360979273658	0.00204682671168044	0.0119395892019227	0.0121180241406749
BRCA	KAT6B	cg11128436	0.0131846858056404	796	0.37108220366022	0.710675543030765	0.000173835939793457	0.835228697816013
BRCA	KAT6B	cg11348552	0.0037752655332665	796	0.106246146874708	0.915413962567873	1.425262984667e-05	0.955263066407437
BRCA	KAT6B	cg15874302	-0.327657170819159	796	-9.7598671553944	2.51517464080598e-21	0.107359221589216	3.73407435127596e-19
BRCA	KAT6B	cg15912797	0.0654766216562655	796	1.84663816293599	0.0651724926385156	0.00428718798351774	0.174952628671689
BRCA	KAT6B	cg17147776	-0.0079940556879268	796	-0.22497985747681	0.822052977691192	6.39049263416749e-05	0.904447782348404
BRCA	KAT6B	cg18462764	-0.0727126652131645	796	-2.05174690142162	0.0405225894390722	0.00528713168240174	0.123536888581518
BRCA	KAT6B	cg18491775	0.0358764570731556	796	1.01030339827051	0.312658505462409	0.00128712017212198	0.511642355373109
BRCA	KAT6B	cg24671245	-0.0036065830097159	796	-0.101498902849939	0.919180118293361	1.30074410059714e-05	0.957406991723557

BRCA	KAT6B	cg26605858	0.00868423438776743	796	0.244405235203751	0.806980289887953	7.54159269016823e-05	0.895450229239794
BRCA	KDM1A	cg00062312	0.0350948101153239	796	0.988264285954284	0.323325049295207	0.00123164569703064	0.522752896945166
BRCA	KDM1A	cg00541565	0.00177658198699736	796	0.0499975278048349	0.960136964350894	3.1562435565235e-06	0.979116679400066
BRCA	KDM1A	cg04886391	-0.112296516708736	796	-3.18042109532624	0.00152787398597667	0.0126105076649155	0.00954387577204668
BRCA	KDM1A	cg06958034	-0.00221941782695961	111	-0.0738104245237127	0.941174578660963	4.92581549062611e-06	0.968642313228964
BRCA	KDM1A	cg07118078	-0.0120031090106505	796	-0.337821766671537	0.735587025609099	0.000144074625921559	0.850956281621994
BRCA	KDM1A	cg07785945	0.118657100110605	796	3.36306587518536	0.000807838936915262	0.0140795074066581	0.00561517353988437
BRCA	KDM1A	cg10499166	-0.00022718659490938	796	-0.0063935976761003	0.994900291935516	5.16137489065199e-08	0.997348081450852
BRCA	KDM1A	cg12578844	-0.0506189589886578	796	-1.42637233192783	0.154154952606003	0.00256227900909542	0.321596416815
BRCA	KDM1A	cg22683154	-0.116812020124111	796	-3.31004204824639	0.000975012206386905	0.0136450480454757	0.00657564799164828
BRCA	KDM1A	cg26662347	0.101428165914379	796	2.86923865685738	0.00422411281976397	0.0102876728407548	0.0216876077547992
BRCA	KDM1B	cg11007366	-0.0800897652294121	796	-2.26118950259685	0.0240180332365987	0.00641437049450235	0.0836149144190441
BRCA	KDM1B	cg15124342	-0.226117618710075	794	-6.524457441150571	1.21847084160621e-10	0.051129177491115	4.80191087395713e-09
BRCA	KDM1B	cg20677365	-0.205323467013109	765	-5.80259562606113	9.55991271277912e-09	0.0421577261062831	2.62329400203858e-07
BRCA	KDM1B	cg22406543	0.153184513064959	796	4.36248206542814	1.45597941085336e-05	0.0234654950429487	0.00018169146982343
BRCA	KDM1B	cg23073439	-0.245769109512939	796	-7.13541028557329	2.1815577766753e-12	0.0604024551907829	1.18019544978219e-10
BRCA	KDM1B	cg23860886	-0.0737845046369483	795	-2.08084063489927	0.0377697212238126	0.00544415312451984	0.117370683585734
BRCA	KDM1B	cg24342628	0.0800972650726934	111	2.67234707797039	0.00764302675336949	0.00641557187212531	0.0347059084316849
BRCA	KDM2A	cg05038268	-0.215376493192568	796	-6.2069010000473	8.70994228459253e-10	0.0463870338199283	2.91182316324706e-08
BRCA	KDM2A	cg05295919	-0.163135670574736	796	-4.65338309181381	3.82662687970265e-06	0.0266132470138686	5.61147241243332e-05
BRCA	KDM2A	cg06320126	-0.164862036312081	796	-4.70399543564943	3.00970453701332e-06	0.0271794910169658	4.52788541389313e-05
BRCA	KDM2A	cg07283932	-0.30790365485935	796	-9.10764890131029	6.74381284332049e-19	0.0948046606757455	8.04644442228948e-17
BRCA	KDM2A	cg08836144	-0.1952181905664	776	-5.53052373388308	4.37211762335809e-08	0.0381101419280192	1.0366489435889e-06
BRCA	KDM2A	cg09993857	-0.101350737513507	795	-2.86521502888183	0.00427773632355328	0.0102719719945319	0.0219195244074894
BRCA	KDM2A	cg11637544	0.254500760017149	796	7.40615176924492	3.33245360624568e-13	0.0647706368493065	2.02376967872191e-11
BRCA	KDM2A	cg16004548	-0.0392171933257388	796	-1.10451934550669	0.269703358465107	0.00153798825234837	0.465764713930663
BRCA	KDM2A	cg18132081	0.125458406920534	796	3.55883128640666	0.000394691343795665	0.0157398118670384	0.00307230522305783
BRCA	KDM2A	cg21293464	-0.222774357990806	796	-6.43103791440391	2.19013043347737e-10	0.0496284145782157	8.18334721241209e-09
BRCA	KDM2A	cg21711868	-0.28527330565203	796	-8.3763724584075	2.47095146141825e-16	0.0813808589176363	2.26948285701973e-14
BRCA	KDM2A	cg25597833	-0.201106855717563	796	-5.77769080403573	1.08827751407496e-08	0.0404439674166047	2.95812232459635e-07
BRCA	KDM2B	cg03486832	-0.168914720156134	796	-4.82298465177281	1.69616383044046e-06	0.0285321826854251	2.7307816437352e-05
BRCA	KDM2B	cg05067991	-0.0996299596342459	796	-2.81785567421549	0.00495500148861697	0.00992612885672146	0.024600764937486
BRCA	KDM2B	cg07020001	0.0695709675506023	796	1.96265608205027	0.0500358358331649	0.00484011952592696	0.144358693547146
BRCA	KDM2B	cg07529210	-0.0430757653196707	796	-1.21338574552536	0.225344117597184	0.00185552155787535	0.414744494283035
BRCA	KDM2B	cg07793808	0.0645182438796888	796	1.81949519522148	0.069213336348321	0.004162603793319	0.182831317075765
BRCA	KDM2B	cg09151742	0.091925170178541	796	2.59800376302142	0.00955095827188735	0.00845023691235372	0.0410878870988868
BRCA	KDM2B	cg12251659	-0.0361359946076627	796	-1.01762165899155	0.309168544769417	0.00130581010628502	0.507795327733204
BRCA	KDM2B	cg12888660	-0.0379536810105851	796	-1.06888139092118	0.285448783702464	0.00144048190225325	0.482670086711794
BRCA	KDM2B	cg15234492	-0.0214354095942769	796	-0.603384534395327	0.546425665106504	0.000459476784474417	0.720021650314972
BRCA	KDM2B	cg15316703	-0.0569604740390565	795	-1.60460268793797	0.108980428446271	0.00324449560275402	0.253226506886177
BRCA	KDM2B	cg16837338	0.0224414028005555	787	0.628116596089722	0.530110716526323	0.00050361655965678	0.708082503415958
BRCA	KDM2B	cg17452615	-0.0227855014744075	796	-0.641407375527775	0.521443612010261	0.000519179077440227	0.701467850952398
BRCA	KDM2B	cg20055546	-0.0485950109180363	796	-1.36920245465409	0.171324141531148	0.00236147508612407	0.345451985924756
BRCA	KDM2B	cg21249371	-0.0492276213171443	796	-1.38706976832354	0.165810707764766	0.00242335870054416	0.338008442949851
BRCA	KDM2B	cg21781916	0.021463509840938	796	0.604175891501913	0.545899729452751	0.000460682254692043	0.7195967797385
BRCA	KDM2B	cg26218726	-0.0286280732530474	796	-0.805995747045148	0.420487232980218	0.000819566578181845	0.615714046020382
BRCA	KDM2B	cg26509318	-0.300482885292131	796	-8.86606352556412	4.95286354170956e-18	0.0902899643534838	5.48084020432081e-16
BRCA	KDM3A	cg01744130	-0.140808118431376	796	-4.00256968779846	6.85414861097958e-05	0.0198269262161844	0.000697057204259253
BRCA	KDM3A	cg02152982	-0.130395231786986	794	-3.69657176226118	0.000233625767719339	0.0170029164727818	0.00197679823514882
BRCA	KDM3A	cg02972551	0.0434752552412559	111	1.44720655774977	0.148122448108534	0.00189009781829235	0.31309199348319
BRCA	KDM3A	cg03037033	-0.15252343633253	796	-4.34320612294926	1.5865664967578e-05	0.0232633986306835	0.000195618928983091
BRCA	KDM3A	cg04793821	-0.123306965832839	796	-3.49685156929873	0.000497000177598499	0.0152046078229009	0.00373057041838071
BRCA	KDM3A	cg07052513	0.0182453451325782	796	0.513555012571188	0.607706372374269	0.000332892619006894	0.765614172415487
BRCA	KDM3A	cg07211384	-0.23488198542982	792	-6.78321959347473	2.30762896949656e-11	0.0551695470794542	1.02290420543029e-09
BRCA	KDM3A	cg12888358	-0.0672069978063373	796	-1.89565855211775	0.0583690198423473	0.00451678055414102	0.161386107819717
BRCA	KDM3A	cg18611949	-0.117814130785481	796	-3.33883631149121	0.000880617278205927	0.0138801694127385	0.00603798270975448
BRCA	KDM3A	cg19139691	-0.178202021949794	796	-5.0966264311323	4.32714093445912e-07	0.031755960626995	8.10169920229393e-06

BRCA	KDM3A	cg20191795	-0.0177814394139173	796	-0.500493191076931	0.616866894384554	0.000316179587630813	0.772409133268988
BRCA	KDM3A	cg20918903	-0.112261304949011	111	-3.75717704425542	0.00018080737892795	0.0126026005888548	0.00159367815307649
BRCA	KDM3A	cg22404242	0.0332121079517729	796	0.935187486159608	0.349976731872912	0.00110304411460022	0.549005338045433
BRCA	KDM3A	cg24749656	-0.0875347393079064	796	-2.47293837892659	0.0136095922409217	0.00766233058570313	0.0541945443688711
BRCA	KDM3B	cg00435490	0.0859074092423717	796	2.42661970671869	0.0154624127482028	0.00738008296273634	0.0597765212609299
BRCA	KDM3B	cg03315484	-0.199766689464302	795	-5.73395924268355	1.39588171901385e-08	0.0399067302195267	3.69483574171363e-07
BRCA	KDM3B	cg05191700	-0.153464690694923	796	-4.37065340592356	1.40377875990897e-05	0.0235514112900883	0.000176059672202208
BRCA	KDM3B	cg05708550	0.106391210543386	796	3.01120461135259	0.00268483388799765	0.0113190896808872	0.0150728128370419
BRCA	KDM3B	cg05722427	0.265323578135127	796	7.74443225062706	2.93500959570843e-14	0.0703966011144266	2.07758085976835e-12
BRCA	KDM3B	cg15001364	-0.0166544509677233	796	-0.468762810793088	0.639368181105333	0.000277370737036298	0.788094501622618
BRCA	KDM3B	cg18682923	0.202270349511296	796	5.81253900374459	8.91728604698057e-09	0.040913294291422	2.46346360347588e-07
BRCA	KDM3B	cg19076659	0.179910368044962	796	5.14711194013577	3.33914133385185e-07	0.0323677405300738	6.41237128920442e-06
BRCA	KDM3B	cg24137987	-0.0507498456191487	796	-1.43007004770849	0.153091281731983	0.00257554683036743	0.32021033987734
BRCA	KDM4A	cg00154982	-0.0778088019099935	796	-2.19639258874782	0.0283530044072387	0.0060542096546686	0.0946690254885071
BRCA	KDM4A	cg00979347	0.117453246208248	796	3.32846560562506	0.000913591299077687	0.0137952650448553	0.00622400573784478
BRCA	KDM4A	cg03587511	0.129577912644184	796	3.67765108250253	0.00025129204452669	0.0167904354452238	0.00210159248676729
BRCA	KDM4A	cg08552254	-0.116953538700169	111	-3.91635091691797	9.54038909307782e-05	0.0136781302144919	0.000925995045672983
BRCA	KDM4A	cg10958452	-0.243098066661682	795	-7.0485087614645	3.94150232434245e-12	0.0590966700146476	2.02189316850921e-10
BRCA	KDM4A	cg10968649	0.0318537643345298	111	1.05988505680814	0.289428298838392	0.00101466230227976	0.486922538003804
BRCA	KDM4A	cg12293275	0.125201053412282	796	3.55141465918038	0.000405802240050742	0.015675303775545	0.00314056699786186
BRCA	KDM4A	cg17737314	-0.167783387564091	795	-4.78671823025479	2.02323457244244e-06	0.028151265142482	3.19245310055063e-05
BRCA	KDM4A	cg19743044	-0.0122657758120696	796	-0.345215498736688	0.730024029797438	0.000150449256271951	0.847381220144164
BRCA	KDM4A	cg20873046	-0.0609726582391521	796	-1.71912123674874	0.0859830389872175	0.00371766505274844	0.213821070069098
BRCA	KDM4A	cg21451504	-0.194158549029947	796	-5.57010409067885	3.48888650212335e-08	0.0376975421614142	8.45001359110163e-07
BRCA	KDM4A	cg22094309	-0.0936685112861446	796	-2.64770636878994	0.00826514475935437	0.00877379000656259	0.036849026959093
BRCA	KDM4A	cg24324755	0.0376679594221597	796	1.06082319807731	0.289093642416114	0.00141887516702947	0.486654205918662
BRCA	KDM4A	cg24505556	-0.0846622959850213	796	-2.39119329894625	0.0170262008844599	0.00716770436145536	0.0643197334825268
BRCA	KDM4A	cg25841161	0.139360549298678	796	3.96060221924691	8.14961923800286e-05	0.0194213627008294	0.000806779036441825
BRCA	KDM4B	cg01098771	-0.0309249372254054	796	-0.870721335128334	0.384170163706322	0.000956351742395266	0.582337322253456
BRCA	KDM4B	cg12072803	0.0427804670766794	111	1.42403566218569	0.154718211019083	0.00183016836329885	0.32236517417089
BRCA	KDM4B	cg18115693	0.141439969505634	796	4.02089630850078	6.35195441762393e-05	0.0200052649737547	0.00065432195705063
BRCA	KDM4C	cg00121158	0.0785073859926876	111	2.6189703973755	0.00894019058339616	0.00616340965540484	0.0391452235180234
BRCA	KDM4C	cg00667760	0.175836842381281	796	5.02680845537392	6.1699005476673e-07	0.0309185951386196	1.11493900860681e-05
BRCA	KDM4C	cg05545111	0.0907816543822879	795	2.56379518262718	0.0105371513857838	0.00824130877238516	0.0443911596937975
BRCA	KDM4C	cg14196303	-0.0683780520563295	796	-1.92884345078857	0.0541073462646389	0.0046755580030181	0.15286823661926
BRCA	KDM4C	cg14473811	0.137804147699789	796	3.91550839309238	9.79850598790814e-05	0.0189899831232653	0.00094750152246529
BRCA	KDM4C	cg14497348	0.0468179430809899	796	1.31902009457016	0.187543626342605	0.00219191979433481	0.366862854678183
BRCA	KDM4E	cg15555590	0.14496733707585	796	4.12329920850647	4.12913943440082e-05	0.021015528818863	0.000450332641468915
BRCA	KDM4E	cg19409026	0.190576024376331	796	5.46341581162224	6.25823715029217e-08	0.0363192210670879	1.42772228994085e-06
BRCA	KDM5B	cg00528052	-0.120844733109874	111	-4.04855246413822	5.51252471690249e-05	0.0146034495203966	0.000577797558376061
BRCA	KDM5B	cg00571448	0.0793325231080692	796	2.23967408567574	0.025388831947136	0.00629364922269233	0.087196979934462
BRCA	KDM5B	cg02624558	0.00373298015825576	795	0.104989761532996	0.916410549291481	1.39351408619312e-05	0.955902953493986
BRCA	KDM5B	cg04504182	-0.149875895660639	796	-4.26606759067447	2.22998263960417e-05	0.0224627841000789	0.000263406118228617
BRCA	KDM5B	cg08915090	0.030349563750021	796	0.854506064432653	0.393083045036045	0.000921096019816588	0.589918584595426
BRCA	KDM5B	cg09889216	-0.175892399782622	796	-5.02844742419527	6.11902818343111e-07	0.0309381363012897	1.10651715132924e-05
BRCA	KDM5B	cg11171004	0.195141417111574	796	5.59941436327802	2.96636235282828e-08	0.0380801726723132	7.34453191839348e-07
BRCA	KDM5B	cg11221497	-0.20648545216512	796	-5.9390031886341	4.29061188466384e-09	0.0426362419558339	1.25671634395911e-07
BRCA	KDM5B	cg13134514	-0.121716388690436	796	-3.45106172593362	0.000587959793660846	0.0148148792758414	0.00430046485408536
BRCA	KDM5B	cg13253785	-0.00455462174832221	796	-0.12817974729455	0.898039266945514	2.07445792702896e-05	0.946027651130161
BRCA	KDM5B	cg13993945	-0.0388156007112966	796	-1.09319167133137	0.274642044048439	0.00150665085857881	0.47107271909832
BRCA	KDM5B	cg14560895	-0.0382739201962213	111	-1.27379295082367	0.203004419397931	0.00146489296718671	0.386815729851389
BRCA	KDM5B	cg21105875	0.0502515596720934	780	1.40161728339633	0.161429394332094	0.00252521924947796	0.331693254342752
BRCA	KDM5B	cg24354901	0.154841314606052	796	4.41081817007607	1.17215219909403e-05	0.0239758327089305	0.000150522298079104
BRCA	KDM5B	cg27531483	-0.239672555867248	796	-6.94747625717631	7.76424240270156e-12	0.0574429340359393	3.77271376312158e-10
BRCA	KDM5C	cg01859586	-0.0625797049156806	796	-1.76460769014809	0.078015121612871	0.00391621946733366	0.199294268898029
BRCA	KDM5C	cg04927657	-0.0832668784833708	796	-2.35150378041477	0.0189418003746809	0.00693337305236444	0.0697938908894013
BRCA	KDM5C	cg04927982	-0.128638711661037	111	-4.31392552631618	1.74714942393903e-05	0.0165479181378115	0.000212937086457642

BRCA	KDM5C	cg09554224	-0.0689793169454726	796	-1.94588497436658	0.0520219518650788	0.00475814616626396	0.148518220612014
BRCA	KDM5C	cg12234996	-0.132519761499343	796	-3.76262162227664	0.000180546600609852	0.0175614871878428	0.00159227323975092
BRCA	KDM5C	cg16417926	-0.119801826273791	796	-3.39598068940728	0.000717905838822187	0.0143524775785355	0.00509197363469486
BRCA	KDM5C	cg16824069	-0.131658876677561	796	-3.73774599177671	0.000199029175558869	0.0173340598079972	0.0017297816650013
BRCA	KDM5C	cg19903753	-0.132728296386385	796	-3.76864862763864	0.000176318455323689	0.017616800661632	0.00156177553823951
BRCA	KDM5C	cg24985300	-0.0817447515556828	796	-2.30822617197487	0.0212433414417135	0.0066822044069003	0.0762457912104144
BRCA	KDM5C	cg27526317	-0.121095140788077	796	-3.43318447037799	0.000627513640413627	0.0146640331224842	0.0045444792536155
BRCA	KDM6A	cg00751785	-0.0556204968844874	796	-1.56772639964922	0.117344424784563	0.00309363967367727	0.266663517123545
BRCA	KDM6A	cg03267667	0.0142935510035476	796	0.402297279238082	0.687573806123615	0.000204305600291016	0.820259418395653
BRCA	KDM6A	cg03478540	0.0302567486721708	796	0.851890414580244	0.394532430555295	0.000915470840210907	0.591270413658877
BRCA	KDM6A	cg06877198	0.0251551981333562	796	0.708154116347507	0.479057910670945	0.000632783993128407	0.666472890710245
BRCA	KDM6A	cg07167981	-0.0308776625954702	796	-0.869389001218708	0.384897788537903	0.000953430047359699	0.583042654441888
BRCA	KDM6A	cg11895950	-0.013980807643014	796	-0.393493261585736	0.694061103974464	0.000195462982350958	0.824597039090234
BRCA	KDM6A	cg14384228	0.0211055138654321	796	0.594094141313603	0.552618800225941	0.000445442715523945	0.724865731512584
BRCA	KDM6A	cg15923127	0.00987685308289519	796	0.277972842910424	0.781105754460254	9.75522268210962e-05	0.879089717158936
BRCA	KDM6A	cg17824914	-0.08418755242743	796	-2.37768870579181	0.017657962794629	0.00708754398372127	0.0661665409973205
BRCA	KDM6A	cg20211377	-0.00855566914490769	796	-0.240786685249354	0.809782766127341	7.31994745171255e-05	0.897228970946709
BRCA	KDM6A	cg22133177	0.0396531658738396	796	1.11681737732741	0.264411109535508	0.00157237356381824	0.459984745632749
BRCA	KDM6A	cg27306636	-0.00831464027067262	796	-0.233855031697027	0.815158034781538	6.91332428306909e-05	0.900551269806447
BRCA	KDM6B	cg01046511	-0.11522268884208	796	-3.26438373650841	0.00114411921492991	0.0132761712468247	0.00750912091506435
BRCA	KDM6B	cg02308232	-0.109191696612126	796	-3.09141116937457	0.00206186064523608	0.0119228266090346	0.0121921850893505
BRCA	KDM6B	cg24893073	-0.104213310843002	796	-2.94887927319627	0.00328312533621151	0.0108604141568602	0.0176936233048312
BRCA	KDM8	cg00636124	-0.132118221323011	796	-3.75101787448351	0.000188957338224071	0.0174552244055561	0.00165463160398507
BRCA	KDM8	cg01755539	-0.0915069400566685	796	-2.5860836353459	0.0098847475904386	0.00837352007853473	0.0422362919035213
BRCA	KDM8	cg06329197	-0.0956445360861909	796	-2.70407251411731	0.00699648546897845	0.00914787728314267	0.0323766932706983
BRCA	KDM8	cg08572679	-0.0895201407147656	796	-2.52947588796463	0.0116162234840906	0.00801385559359143	0.0479185223600052
BRCA	KDM8	cg09140090	-0.0818526867749915	796	-2.31129448196442	0.0210724774531097	0.00669986233228488	0.0758145252658635
BRCA	KDM8	cg10214171	-0.0218046602873249	796	-0.613783460432054	0.539534673659522	0.000475443210245642	0.714876780315583
BRCA	KDM8	cg10221365	-0.0331996740944821	796	-0.934836986851068	0.35015724748089	0.00110221835997983	0.549168935381023
BRCA	KDM8	cg16752029	-0.0735720180925977	796	-2.07612661553779	0.0382042931141731	0.00541284184621752	0.118342947301266
BRCA	KDM8	cg24206694	-0.0324681166026508	111	-1.0798595382614	0.280440371577871	0.00105417859572333	0.477644759698999
BRCA	KDM8	cg24705286	-0.070630768397072	111	-2.35481877189263	0.0187057401873895	0.00498870544436082	0.0691350650662468
BRCA	KIAA202	cg03495688	0.220909540041376	796	6.37443027932629	3.11611653739465e-10	0.0488010248812923	1.13225207804801e-08
BRCA	KIAA202	cg25608569	-0.103217626578	796	-2.92039994460395	0.00359508083327799	0.0106538784363954	0.0190294426307429
BRCA	KMT2B	cg09284703	-0.0626314890437336	796	-1.7660736348089	0.0777687037852839	0.00392270341983532	0.198867124255885
BRCA	KMT2B	cg13830730	0.0666390138925181	796	1.87837910908071	0.0606969258215038	0.00444075817256722	0.166034552809806
BRCA	KMT2B	cg15496871	0.188159460411573	796	5.39157830999099	9.22393135974054e-08	0.0354039825423743	2.01563628145971e-06
BRCA	KMT2B	cg24471867	-0.0288360488048344	111	-0.958953454085922	0.337791963536074	0.000831517710674791	0.537221466039565
BRCA	L3MBTL1	cg01071811	-0.402689322838503	111	-14.6241411116756	2.08960444229053e-44	0.162158690728132	9.61885727713311e-42
BRCA	L3MBTL1	cg01877937	-0.307884207032745	796	-9.10701340081786	6.77965416764965e-19	0.0947926849401822	8.07682107684743e-17
BRCA	L3MBTL1	cg02177317	-0.210565348146562	796	-6.06173967718351	2.08220677708266e-09	0.0443377658400828	6.48711229540922e-08
BRCA	L3MBTL1	cg02472486	-0.223150549269775	796	-6.44246639859629	2.03897088717135e-10	0.0497961676394024	7.65539098439229e-09
BRCA	L3MBTL1	cg02611863	-0.395168817919576	111	-14.3063802557327	1.00782574288247e-42	0.156158394655955	4.42953648823721e-40
BRCA	L3MBTL1	cg03486259	-0.0880975158103608	796	-2.48896130174423	0.0130159994706783	0.00776117229195677	0.0523773109304147
BRCA	L3MBTL1	cg04984575	-0.168135226086611	796	-4.80007889563296	1.89597629360665e-06	0.0282694542511958	3.01032037509767e-05
BRCA	L3MBTL1	cg06362543	0.102332981963785	796	2.89510410506122	0.00389456732978354	0.0104720391976003	0.0203351883249333
BRCA	L3MBTL1	cg06446163	-0.188385650376844	796	-5.39829795736809	8.8969317809023e-08	0.0354891532679064	1.95075510418127e-06
BRCA	L3MBTL1	cg06908806	-0.0847660121379629	796	-2.39414383489573	0.0168908460217629	0.00718527681377327	0.0638991332528689
BRCA	L3MBTL1	cg07678583	-0.300414032643274	796	-8.86383039584629	5.04399586731008e-18	0.090248591008994	5.57375872871478e-16
BRCA	L3MBTL1	cg08369943	-0.0966261612317245	796	-2.73208534134274	0.00643363142299343	0.00933661503437922	0.0302964844382779
BRCA	L3MBTL1	cg08633313	-0.301693138447288	796	-8.90534114859543	3.59190073837724e-18	0.0910187497861747	4.03215477693101e-16
BRCA	L3MBTL1	cg09541000	-0.182387977567412	796	-5.22041659308477	2.28281165009639e-07	0.0332653743611308	4.55597187953415e-06
BRCA	L3MBTL1	cg10360552	-0.314889771228994	796	-9.33676106269052	9.78964847363151e-20	0.0991555680246485	1.27781193516391e-17
BRCA	L3MBTL1	cg12699433	-0.194846766435562	796	-5.59062570052467	3.11448386196555e-08	0.0379652623903945	7.64557139658403e-07
BRCA	L3MBTL1	cg14306330	-0.199079380514467	796	-5.71341561856555	1.56782686208313e-08	0.039632599746024	4.11315473218129e-07
BRCA	L3MBTL1	cg15123011	-0.100043089969711	796	-2.82965821196805	0.00477765105846499	0.0100086198506878	0.0239110001571169
BRCA	L3MBTL1	cg15302378	-0.395403793186559	796	-12.114925934792	4.11113830404088e-31	0.156344159666319	1.188928971095e-28

BRCA	L3MBTL1	cg15330298	-0.380183123679727	796	-11.5679225050812	1.04836324857285e-28	0.144539207530875	2.70951397207563e-26
BRCA	L3MBTL1	cg15388309	-0.357891679627843	796	-10.7864238139495	2.10144497871308e-25	0.128086454346838	4.41837326145959e-23
BRCA	L3MBTL1	cg16862791	-0.339362030339915	796	-10.1530162997335	7.49602471900496e-23	0.115166587636429	1.27882839252253e-20
BRCA	L3MBTL1	cg17091610	-0.349744607711273	796	-10.506204172985	2.92235225519512e-24	0.122321290623112	5.54491393513778e-22
BRCA	L3MBTL1	cg17774347	-0.0998640155294647	796	-2.82454213238117	0.00485380870910933	0.00997282159766916	0.0242016248684306
BRCA	L3MBTL1	cg18911945	-0.311480536024361	796	-9.22474709587539	2.52682911030969e-19	0.0970201243220232	3.16032385542496e-17
BRCA	L3MBTL1	cg20091959	-0.345355383827166	111	-12.2383391264079	2.17180127645118e-32	0.119270341138409	6.49819648077859e-30
BRCA	L3MBTL1	cg20252111	-0.366089964886324	796	-11.0712574805841	1.37445584932722e-26	0.13402186239047	3.10826797507447e-24
BRCA	L3MBTL1	cg20529070	-0.315186191609106	796	-9.34651912256633	9.00966734999723e-20	0.0993423353810519	1.17797993584149e-17
BRCA	L3MBTL1	cg22330467	-0.165957659741279	793	-4.72716067973088	2.69609238480274e-06	0.0275419448268022	4.12305506159513e-05
BRCA	L3MBTL1	cg22457903	-0.427937994736372	796	-13.3249998030728	1.0740503106424e-36	0.183130927338987	3.90442382551939e-34
BRCA	L3MBTL1	cg22601123	-0.179731088328445	796	-5.14181156591788	3.43161310975711e-07	0.0323032641117272	6.56402533219682e-06
BRCA	L3MBTL1	cg23626798	-0.307874246160317	111	-10.7615648265982	9.35893931590772e-26	0.0947865514487834	2.02241479206035e-23
BRCA	L3MBTL1	cg24343973	-0.266567063653872	796	-7.78349730279426	2.20414821614068e-14	0.0710579994250473	1.58474589950507e-12
BRCA	L3MBTL1	cg02358112	-0.122124799984599	796	-3.46281655929529	0.000563232605931073	0.0149144667712782	0.00414532803649971
BRCA	L3MBTL1	cg06235991	-0.0326420444840283	111	-1.08614150591749	0.277653057929118	0.00106550306809728	0.474427648667584
BRCA	L3MBTL1	cg08053598	-0.080809951197094	796	-2.28165570319183	0.0227742236056607	0.00653024821247671	0.0803158775671242
BRCA	L3MBTL1	cg09993119	-0.0300221811584507	796	-0.845280094505158	0.398209754410813	0.000901331361510831	0.594800536081713
BRCA	L3MBTL1	cg12821546	0.0564289217535138	796	1.5905850314415	0.112102048355325	0.00318422321026418	0.258380740393286
BRCA	L3MBTL1	cg13843727	-0.0708491974718322	796	-1.99889630457162	0.0459608923819328	0.00501960878240267	0.135681605265637
BRCA	L3MBTL1	cg14679202	-0.0491889888778843	111	-1.6378400833569	0.101739503753485	0.00241955662682863	0.241199578076389
BRCA	L3MBTL1	cg15283028	-0.285363798178858	796	-8.37926507171304	2.41580920478555e-16	0.0814324973110639	2.22145935315706e-14
BRCA	L3MBTL1	cg19467356	-0.00591431485752937	796	-0.166446484799141	0.867848077208293	3.49791202339927e-05	0.929808198847844
BRCA	L3MBTL1	cg24240981	-0.00233197763497912	796	-0.0656278463502554	0.947690680436895	5.43811969004283e-06	0.972174329662575
BRCA	L3MBTL1	cg26947834	0.0914810024279677	796	2.58534442314308	0.00990578595893207	0.00836877380522583	0.0423017403444114
BRCA	L3MBTL1	cg27177954	-0.0917140560462722	796	-2.59198655002857	0.00971817339748112	0.00841146807645877	0.0416629329485091
BRCA	L3MBTL1	cg03454037	0.0644139509994045	796	1.81654174125318	0.069665202197723	0.00414915708335368	0.183702468951156
BRCA	L3MBTL1	cg07826275	-0.182285333414977	796	-5.21737764500714	2.31930373099767e-07	0.0332279427782095	4.61688624486266e-06
BRCA	L3MBTL1	cg08106148	-0.204800660458978	796	-5.88841404416236	5.758687756676e-09	0.0419433105244335	1.65006024067349e-07
BRCA	L3MBTL1	cg08358392	-0.348065282696745	796	-10.448784723073	4.98025451277627e-24	0.121149441018765	9.13759244261597e-22
BRCA	L3MBTL1	cg09710740	-0.20240148037252	796	-5.81646815473098	8.71867979362971e-09	0.0409663592569875	2.41718095461735e-07
BRCA	L3MBTL1	cg10237990	-0.192224449833992	796	-5.51247780033845	4.7894382338655e-08	0.0369502391139811	1.12462891024851e-06
BRCA	L3MBTL1	cg16487825	-0.207875082633651	796	-5.9769941129118	3.43669423811399e-09	0.0432120499799474	1.02670580476129e-07
BRCA	L3MBTL1	cg16800851	-0.316156770525512	796	-9.37849153317353	6.86052750905082e-20	0.0999551035491215	9.10764295288565e-18
BRCA	L3MBTL1	cg18411550	-0.191828067157966	796	-5.50067588043241	5.10871003217045e-08	0.0367980073495612	1.18907509466866e-06
BRCA	L3MBTL1	cg18798995	-0.208776174752527	796	-6.0078752064801	2.86423050678979e-09	0.0435874911442977	8.68355214517556e-08
BRCA	L3MBTL1	cg22934935	0.103715748218334	796	2.93464648873036	0.0034358002237992	0.0107569564284889	0.0183587226190147
BRCA	L3MBTL1	cg24516147	-0.186302132291776	796	-5.33643436090983	1.23855556281697e-07	0.0347084844964625	2.63881438048228e-06
BRCA	LBR	cg01017344	-0.0643409049136388	796	-1.81447319603027	0.0699831234943121	0.0041397520451059	0.184370182163856
BRCA	LBR	cg05530459	-0.105097236096661	796	-2.97416949292419	0.0030270291137167	0.0110454290351574	0.0165882714375509
BRCA	LBR	cg12994003	-0.142094687809599	111	-4.77402480740112	2.04799875764644e-06	0.0201909003037075	3.22644826553964e-05
BRCA	LBR	cg14607642	-0.568944219301049	111	-23.0078885065753	4.92084630269225e-96	0.323697524676081	1.16003732506558e-92
BRCA	LBR	cg18107727	-0.00989162642281149	796	-0.278388662484392	0.780786686153682	9.78442732884624e-05	0.878934398290181
BRCA	LBR	cg18289048	-0.061262982870348	796	-1.72733769063653	0.0844968981969659	0.00375315307017256	0.211111089423199
BRCA	LBR	cg18764107	-0.0318246773006554	796	-0.896079702009724	0.370482467555579	0.00101281008529085	0.569163732395013
BRCA	LBR	cg19322477	-0.0836838283117189	796	-2.36336151220538	0.0183506217960856	0.00700298312090525	0.068128675766187
BRCA	LBR	cg20483690	-0.143617668147322	796	-4.08409827871461	4.87465307170278e-05	0.0206260346040744	0.000518614899881169
BRCA	LBR	cg26930584	-0.071810939713163	796	-2.02617002072747	0.0430820858236321	0.00515681106248754	0.129264404361686
BRCA	MBD1	cg01719254	-0.102726210793734	796	-2.90634736788004	0.0037587571760954	0.0105526743840387	0.019748008087875
BRCA	MBD1	cg03841029	-0.0579534612286008	111	-1.93057857179594	0.0537905771466984	0.00335860366837493	0.152188833232116
BRCA	MBD1	cg05549078	-0.206397772703918	796	-5.93636908612746	4.35709620974221e-09	0.0426000405771381	1.2729542402362e-07
BRCA	MBD1	cg12090413	-0.104178672026207	796	-2.94788835708845	0.00329355091041868	0.0108531957051441	0.0177375216009076
BRCA	MBD1	cg13478031	-0.0574579320236623	796	-1.61968537562935	0.105697963995593	0.0033014139524358	0.247790122079109
BRCA	MBD1	cg14389183	-0.157035263386114	796	-4.47488394775385	8.76554535576498e-06	0.0246600739467463	0.000116406083203547
BRCA	MBD1	cg19328682	-0.197905777198934	796	-5.68194517775577	1.87108842058722e-08	0.0391666966487142	4.83907754624874e-07
BRCA	MBD1	cg21282183	0.158414270209905	796	4.51518720005972	7.28742604815147e-06	0.0250950810061368	9.88178528830217e-05
BRCA	MBD2	cg15090185	-0.039366695822397	796	-1.10873648092749	0.267880443302228	0.00154973673997313	0.463583992308712

BRCA	MBD2	cg16852837	-0.22878818092617	796	-6.61410103872884	6.87528304064622e-11	0.052344031731506	2.82096924506346e-09
BRCA	MBD2	cg17987217	-0.0220760494527998	796	-0.621426546784959	0.534497827243841	0.000487351959442463	0.711216577913113
BRCA	MBD2	cg22224310	-0.0579350449847544	796	-1.63317985115387	0.102828626961734	0.00335646943738552	0.243018811126809
BRCA	MBD2	cg22836370	-0.0585768843589246	111	-1.95141751989656	0.0512595622984343	0.00343125138119882	0.146921850743946
BRCA	MBD2	cg23388714	-0.201140578007576	796	-5.77870047238895	1.08203075094385e-08	0.0404575321212218	2.94422875966863e-07
BRCA	MBD2	cg24881765	-0.186926755365132	796	-5.35497272937465	1.12205010944523e-07	0.0349416118713359	2.41195817115729e-06
BRCA	MBD2	cg25192916	0.150728182512562	796	4.29088941662165	1.99976523560548e-05	0.0227189850035403	0.000239338056521066
BRCA	MBD3	cg08660999	-0.0797394484197393	796	-2.25123551151101	0.0246440220621988	0.00635837963428427	0.08527520026273
BRCA	MBD3	cg09174855	0.033543529405177	796	0.94453012103532	0.345186866159027	0.00112516836495597	0.54440480017558
BRCA	MBD3	cg12286540	-0.0992589381873084	796	-2.80725738136236	0.00511931702376858	0.00985233681007191	0.0252553838890896
BRCA	MBD5	cg03890220	0.277366129423384	796	8.12454712359253	1.72029844718244e-15	0.0769319697513095	1.42371167446926e-13
BRCA	MBD5	cg04152151	0.286335686232526	796	8.41034708817985	1.89482291528165e-16	0.0819881252102514	1.77811645200749e-14
BRCA	MBD5	cg05218490	-0.0354900497812138	111	-1.18102162778804	0.237848035336248	0.00125954363347303	0.42938712663483
BRCA	MBD5	cg06394585	0.157060172655964	796	4.4756117144826	8.73647436983347e-06	0.0246678978347211	0.000116117550409959
BRCA	MBD5	cg06758980	0.217451358158412	796	6.26964910221596	5.94310126065496e-10	0.0472850931649379	2.04574167907696e-08
BRCA	MBD5	cg20595490	0.276269549573237	795	8.084657661557	2.33267092878203e-15	0.0763248640213994	1.89226071150854e-13
BRCA	MBD5	cg21412502	-0.0499537212906993	796	-1.40757964561326	0.159647925089276	0.00249537427078886	0.329280060504634
BRCA	MBD5	cg23120335	-0.165607925791494	796	-4.72587660233818	2.71101079877472e-06	0.0274259850849608	4.14342581689353e-05
BRCA	MBD5	cg25686162	0.156221110709532	796	4.45110190220711	9.76815405216981e-06	0.0244050354313199	0.000128210524098954
BRCA	MBD5	cg26664634	-0.259601691538226	796	-7.5652064161885	1.07531084320602e-13	0.067393038249508	7.10728391982745e-12
BRCA	MBTD1	cg01388767	0.00242162266086069	796	0.0681507023839655	0.945682870735288	5.86425631159401e-06	0.970957162506843
BRCA	MBTD1	cg14577476	-0.181536699007802	796	-5.19521842735337	2.60300020905771e-07	0.0329555730866494	5.13562765060703e-06
BRCA	MBTD1	cg17045523	-0.113213269332942	796	-3.20672075407759	0.00139648358264721	0.0128172443530532	0.00886045541378818
BRCA	MBTD1	cg18711617	-0.107297629191182	796	-3.03715661696795	0.00246656066378816	0.0115127812300483	0.0140807141675933
BRCA	MBTD1	cg22141797	-0.250117689967313	795	-7.26541867781971	8.92429651332383e-13	0.0625588588345849	5.07497604501107e-11
BRCA	MBTD1	cg25259117	-0.136049612154949	796	-3.86470944022164	0.000120326307361582	0.0185094969675121	0.00112915135764619
BRCA	MBTD1	cg25716740	0.0118355244221329	111	0.393636615829327	0.693925215693759	0.000140079638346903	0.824515954518223
BRCA	MBTD1	cg25855326	-0.16422120978921	796	-4.68520298819115	3.29126171522017e-06	0.0269686057446316	4.91063317748059e-05
BRCA	MBTD1	cg27207041	0.0419381182210592	111	1.39594645181445	0.163010761982259	0.00175880575992354	0.333790989128995
BRCA	MBTD1	cg27214721	0.0785318335679213	796	2.21692844635698	0.0269112700136793	0.00616724888353969	0.0910509867979022
BRCA	MBTD1	cg27353579	-0.155482642789023	796	-4.42953871286775	1.07713330430451e-05	0.0241748522086589	0.000139890664899942
BRCA	MLLT10	cg00879184	-0.26870864165645	796	-7.85087485466125	1.34128191647583e-14	0.0722043341008545	9.91860127474532e-13
BRCA	MLLT10	cg03524461	-0.149063646718713	796	-4.24242087532091	2.47264672711819e-05	0.0222199707730814	0.000288045941134221
BRCA	MLLT10	cg04188362	-0.176606206159072	796	-5.04950945704906	5.50026828725344e-07	0.0311897520539008	1.00703193960601e-05
BRCA	MLLT10	cg05913198	-0.0689180220883018	796	-1.9441476099826	0.0522314247516036	0.00474969376856366	0.148953094216293
BRCA	MLLT10	cg06398735	-0.108964881773147	795	-3.08296423446125	0.00212065936790431	0.011873345459836	0.012454671211441
BRCA	MLLT10	cg11443787	-0.0472292574668124	111	-1.5724382204227	0.116134964156804	0.00223060276086646	0.264702306964086
BRCA	MLLT10	cg15910013	0.11844022813433	796	3.35683159674807	0.000826010796282237	0.0140280876405123	0.00572103667076036
BRCA	MLLT10	cg19119538	-0.16635070195205	786	-4.7176068176285	2.8263095369879e-06	0.0276725560399399	4.28847131110662e-05
BRCA	MLLT10	cg20569108	-0.225479831735024	795	-6.50918318849778	1.34108865419081e-10	0.0508411545192548	5.2242689416184e-09
BRCA	MLLT10	cg23344688	-0.140092844880637	796	-3.98182944736593	7.4678337453092e-05	0.0196260051867503	0.000749671152148711
BRCA	MLLT10	cg26877631	-0.151349321640579	796	-4.30898550817466	1.84641361689278e-05	0.0229066171610633	0.00022366848475951
BRCA	MLLT10	cg27470303	-0.124828128775465	796	-3.54066869903572	0.000422421109080973	0.0155820617335842	0.00325074960528689
BRCA	MLLT10	cg27572529	-0.222273661699157	796	-6.41583172454349	2.40836441205595e-10	0.0494055806851513	8.92172862245147e-09
BRCA	MLLT6	cg05652455	-0.114458709984781	796	-3.2424630698253	0.00123461462382865	0.0131007962913802	0.00800513502634821
BRCA	MORF4L	cg03589001	-0.0506309594990892	111	-1.68521248162906	0.0922299354651615	0.00256349405979841	0.224726049608129
BRCA	MORF4L	cg07757959	-0.0163324164171764	796	-0.459696255732386	0.645860415613923	0.000266747826024054	0.792380658459675
BRCA	MORF4L	cg08692282	0.0794671873125665	796	2.24349999497704	0.0251402271295003	0.00631503385937053	0.0865993105434087
BRCA	MORF4L	cg13747872	-0.0958712589117649	796	-2.71054183716615	0.00686270203376044	0.00919129828532666	0.031911082720502
BRCA	MORF4L	cg15822222	-0.0199082344281688	796	-0.560378439656745	0.575379809353128	0.000396337798046926	0.742294437717736
BRCA	MORF4L	cg20775702	-0.255641777043554	796	-7.4416723574262	2.59308953489409e-13	0.0653527181699862	1.60460561357307e-11
BRCA	MORF4L	cg20905746	0.133991291385756	796	3.80516220336899	0.000152632214959687	0.0179536661672227	0.00138225226640913
BRCA	MORF4L	cg23623458	-0.256441109802551	777	-7.37647101994027	4.1968443881759e-13	0.065762042796764	2.50375239519751e-11
BRCA	MORF4L	cg24795825	0.00780418953429631	785	0.218105466659238	0.827403912180492	6.090537428722e-05	0.907292853529911
BRCA	MPHOSF	cg00331616	-0.0305911942006311	795	-0.860771697755241	0.389624626745559	0.000935821162620724	0.58729041021962
BRCA	MPHOSF	cg03134886	0.0668576033755738	796	1.88575907367951	0.0596931630198172	0.00446993912912554	0.164061823846093
BRCA	MPHOSF	cg03428000	0.20403857437976	111	6.93144262803964	7.06454633967953e-12	0.0416317398349247	3.45647369779264e-10

BRCA	MPHOSF	cg04203901	0.0593766397677124	796	1.67396021184951	0.094533253383973	0.00352558535010469	0.228765356448589
BRCA	MPHOSF	cg06019692	-0.226368028362008	796	-6.54033606405217	1.10027032314745e-10	0.0512424842645029	4.37305949093744e-09
BRCA	MPHOSF	cg09559995	-0.124028387295861	796	-3.51762898849734	0.000460221716993709	0.0153830408552121	0.00349736136092689
BRCA	MPHOSF	cg11051893	0.0929094567468968	796	2.62606275334496	0.00880467293983586	0.0086321671530035	0.0386584674727165
BRCA	MPHOSF	cg19693579	0.199725204177585	796	5.73634157188582	1.376574072196e-08	0.0398901571837779	3.65118320396918e-07
BRCA	MPHOSF	cg20759595	-0.217430812596699	796	-6.26902732741875	5.96575071101914e-10	0.0472761582664609	2.05262985764274e-08
BRCA	MPHOSF	cg20952532	-0.114561348157895	796	-3.24540932299855	0.00122207776218155	0.0131243024917544	0.00793648955102523
BRCA	MPHOSF	cg21958444	-0.0449607141598353	796	-1.26658748287576	0.205675195133623	0.00202146581776241	0.389965784309653
BRCA	MPHOSF	cg22656705	-0.133242097638091	796	-3.78350051485153	0.000166294090010818	0.0177534565829986	0.00148709779812079
BRCA	MSH6	cg00620552	-0.118008413367146	796	-3.34441994683337	0.000863325090110296	0.0139259856254311	0.00594033202835227
BRCA	MSH6	cg02905881	0.0910374323098607	111	3.0402180886736	0.00241967457385337	0.00828781408157247	0.0138592375054005
BRCA	MSH6	cg05039065	0.0971212358981456	796	2.74621643057137	0.0061654807940445	0.00943253446238324	0.0293123151556498
BRCA	MSH6	cg07652213	0.0800039074032656	111	2.66800526791074	0.00774195218629617	0.0064006251997903	0.0350446542756153
BRCA	MSH6	cg09898070	-0.0977352410281345	796	-2.76374505366934	0.00584689018257792	0.00955217733882755	0.0280981575774319
BRCA	MSH6	cg11869233	0.0407832217140099	796	1.14869729028794	0.251027626045411	0.00166327117337409	0.444669326038784
BRCA	MSH6	cg16595246	-0.0562766266014071	796	-1.5862785686017	0.113075281276151	0.0031670587016342	0.260099894488376
BRCA	MSH6	cg18222961	-0.0194261775458407	796	-0.546804281129133	0.584667222434314	0.000377376374042524	0.749256760731009
BRCA	MSH6	cg19076255	-0.163207978209146	796	-4.65550207003348	3.78851874984975e-06	0.0266368441511172	5.56692722470352e-05
BRCA	MSH6	cg19736286	0.0398136991991117	796	1.12134590543248	0.262480524931662	0.00158513064391735	0.457906172639959
BRCA	MSH6	cg21405109	-0.165270202039361	796	-4.71596821972557	2.84255567365013e-06	0.0273142396821311	4.30975981438196e-05
BRCA	MTA1	cg01318265	-0.183635204373896	796	-5.25735692450777	1.88134493417133e-07	0.0337218882854425	3.83938477987735e-06
BRCA	MTA1	cg01655777	-0.0332907833529151	796	-0.937405285386312	0.348835883533221	0.00110827625625073	0.547963385905488
BRCA	MTA1	cg05922925	-0.138346944044803	796	-3.93123152587606	9.19067879640908e-05	0.0191398769265359	0.000895787997425773
BRCA	MTA1	cg13052453	-0.0393222673463811	796	-1.10748324391487	0.26842128423635	0.00154624070926027	0.464220474542765
BRCA	MTA1	cg13981078	-0.0998563962319915	796	-2.82432445848834	0.00485707326111487	0.00997129986844049	0.0242130232416228
BRCA	MTA1	cg16531924	-0.11347060265262	796	-3.21410458108251	0.00136151796346574	0.0128755776663487	0.00867824075787411
BRCA	MTA1	cg20222911	-0.0244111076900437	111	-0.812071907967565	0.416925115615025	0.00059590217865491	0.612441179859047
BRCA	MTA1	cg21517792	-0.0327490093618797	796	-0.922133443393168	0.356739790329867	0.00107249761418448	0.555588781984779
BRCA	MTA1	cg23123838	-0.049324575292665	796	-1.38980826314628	0.164977626523176	0.00243291372780178	0.336833163285664
BRCA	MTA1	cg23883989	-0.17760658401999	796	-5.07904110062978	4.73351224748417e-07	0.0315440986872498	8.78013475872159e-06
BRCA	MTA1	cg23966123	-0.08237148714075	796	-2.32604373515835	0.0202677796632996	0.00678506189377874	0.0735646736866856
BRCA	MTA2	cg00501779	-0.0884988320360228	796	-2.50038872284305	0.0126067852144957	0.00783204327174017	0.0511197419325764
BRCA	MTA2	cg07654871	-0.00307432304880007	796	-0.0865195285422749	0.931075300965722	9.45146220838337e-06	0.963538397607218
BRCA	MTA2	cg09086761	-0.130526143394088	111	-4.37633013571446	1.32123252801128e-05	0.017037074109334	0.000166802926459119
BRCA	MTA2	cg13708959	-0.219238818148582	796	-6.31978344566737	4.37140845921924e-10	0.048065659383187	1.54086701258043e-08
BRCA	MTA2	cg19570317	-0.13078650527986	111	-4.38719522178897	1.2579198656293e-05	0.0171051099633187	0.000160292576620419
BRCA	MTA2	cg21002970	-0.00361137798352791	796	-0.101633848010784	0.919073036054478	1.30420509399101e-05	0.957345184602084
BRCA	MTF2	cg05396182	-0.0829524289353943	796	-2.34256190054864	0.0193985776950019	0.00688110546628164	0.0711043647068768
BRCA	MTF2	cg05962718	-0.158462865024033	796	-4.51660793894811	7.23994778367343e-06	0.0251104795916248	9.82768274093684e-05
BRCA	MTF2	cg09936581	0.0986535221377504	796	2.78996610243832	0.00539801733355761	0.00973251743018361	0.0263718596517141
BRCA	MTF2	cg11404133	0.155260450151051	796	4.4230522013192	1.10919023647789e-05	0.0241058073811071	0.000143431424961038
BRCA	MTF2	cg14474880	-0.119767761134918	111	-4.01194415788887	6.42698189797633e-05	0.0143443166072708	0.00066050937858312
BRCA	MTF2	cg15463775	-0.170269974548809	796	-4.86283157022736	1.39589862379223e-06	0.0289918642328521	2.29534004521862e-05
BRCA	MTF2	cg16813892	0.135482015244992	796	3.84828380091745	0.00012852534237001	0.0183553764548443	0.00119427860539089
BRCA	MTF2	cg19708337	-0.0211069521616977	796	-0.593384001422596	0.55309403613512	0.000445503429556194	0.725172707841971
BRCA	MTF2	cg22801127	0.0287506405450217	796	0.809449359416406	0.418499830936515	0.000826599331749046	0.613954436295453
BRCA	MTF2	cg23992808	-0.0240198232550964	796	-0.676172833009866	0.499128320809091	0.000576951909206071	0.683359824519499
BRCA	MTF2	cg26054395	-0.0219016407922425	111	-0.728548388517808	0.466432186713969	0.000479681869392421	0.655709016105144
BRCA	NAP1L2	cg02379437	0.0306245945242457	796	0.858984586167985	0.390610904679944	0.000937865789774462	0.587907688948316
BRCA	NAP1L2	cg04297329	-0.0575102537139063	111	-1.91576500806986	0.0556526150687452	0.00330742928223787	0.155830527180577
BRCA	NAP1L2	cg07693661	0.0386065150284155	776	1.07347798324039	0.283392134523286	0.00149046300263927	0.48069449670658
BRCA	NAP1L2	cg20001978	-0.0735905333044886	796	-2.07271515586139	0.0385229636619047	0.00541556659203904	0.11906700416399
BRCA	NAP1L2	cg23483095	-0.0981923164600609	796	-2.77679571428299	0.00561942780475669	0.00964173101179274	0.0272355471087933
BRCA	NCOA1	cg11380327	-0.281302637590959	796	-8.24968772415568	6.59836108517078e-16	0.0791311739156303	5.70982093726113e-14
BRCA	NCOA1	cg13911252	-0.0345709510126032	796	-0.973494711109482	0.33060471261063	0.00119515065391581	0.530271781720416
BRCA	NCOA1	cg15477048	0.0270761635713714	796	0.762270254478339	0.44612567070751	0.000733118633743659	0.638023024248475
BRCA	NCOA1	cg23006163	-0.187395725246556	796	-5.3655053186144	1.06102473075378e-07	0.0351171578406827	2.29408999178043e-06

BRCA	NCOA3	cg04175879	-0.190312976459006	796	-5.45559118194709	6.52973295554772e-08	0.0362190290086862	1.48313589939819e-06
BRCA	NCOA3	cg09568061	-0.028435692614824	796	-0.800575058085914	0.423617774252383	0.000808588614484757	0.618647851499523
BRCA	NCOA3	cg12128876	-0.015261610043604	111	-0.507608047996564	0.611829451418001	0.000232916741123035	0.768692329391818
BRCA	NCOA3	cg14341558	-0.0424246655839223	796	-1.19501182705951	0.232440126523208	0.00179985224990764	0.423050492542554
BRCA	NCOA3	cg14774045	-0.0629134735277555	796	-1.77405651863255	0.076437944606648	0.00395810515132759	0.196595148700022
BRCA	NCOA3	cg18295930	-0.196087204487781	796	-5.62763540261931	2.53557652108536e-08	0.038450191763833	6.36504162250128e-07
BRCA	NCOA3	cg21735648	0.207297398438732	796	5.96340312304944	3.71996891887207e-09	0.0429722113994665	1.10370427946123e-07
BRCA	NCOA3	cg22511723	-0.130284549023063	796	-3.69805202462424	0.000232252277950239	0.0169740637141429	0.00196753062298387
BRCA	NCOA3	cg22876277	-0.0945220174395739	796	-2.67204873471938	0.00769391002018412	0.00893441178084711	0.0348982587668476
BRCA	NCOA3	cg24856420	0.120024843936145	796	3.40239480922193	0.000701503502006245	0.014405963161896	0.00499521862105939
BRCA	NCOA3	cg25373408	-0.00218262387888494	796	-0.0614246269446698	0.951036536819953	4.76384699667874e-06	0.974102246315845
BRCA	NCOR1	cg00253204	0.0720369611537942	796	2.0325805062343	0.0424280587768339	0.00518932377227325	0.127823112248665
BRCA	NCOR1	cg08125503	0.102615147710369	796	2.90317169478377	0.00379667315931322	0.0105298685396209	0.0199162772593131
BRCA	NCOR1	cg08206308	0.104820445683905	796	2.96624940548654	0.0031051960272036	0.0109873258333726	0.0169258421903221
BRCA	NCOR1	cg21211144	0.19990028784774	796	5.74157939205728	1.33630789112574e-08	0.0399601250816092	3.55529193167701e-07
BRCA	NCOR1	cg22291359	0.0844673489985908	796	2.3856476234647	0.0172831893182545	0.00713473304684973	0.0650784341587356
BRCA	NCOR1	cg22625220	0.141362806307483	796	4.01865794846663	6.41136524055626e-05	0.0199834430071269	0.000659655796222501
BRCA	NCOR2	cg08976554	-0.0881386388028818	796	-2.49013221670245	0.012973534587876	0.00776841965002486	0.0522515342580271
BRCA	NCOR2	cg10641483	0.00549388646431621	796	0.154614003287942	0.8771650212531	3.01827884827969e-05	0.934939589130533
BRCA	NCOR2	cg13416396	-0.123690664334308	796	-3.50790163889213	0.000477111565067883	0.0152993804434626	0.00360098372567204
BRCA	NCOR2	cg13419087	-0.167518315126633	796	-4.78195728268338	2.06992305085748e-06	0.0280623859028658	3.25637196801632e-05
BRCA	NCOR2	cg13857025	-0.0896792201437127	796	-2.53400723748753	0.0114683016843965	0.00804236252558448	0.0474631622724871
BRCA	NCOR2	cg16181859	-0.109267569215162	796	-3.09358520541205	0.00204699427839182	0.0119394016821901	0.012118093972545
BRCA	NCOR2	cg19895345	-0.0784989735844866	796	-2.21599506680386	0.0269753959386647	0.00616208885381792	0.0911965560667715
BRCA	NCOR2	cg23611643	-0.148475331459808	796	-4.22529894940207	2.66384771578418e-05	0.0220449240520998	0.000307252288375001
BRCA	NCOR2	cg24626542	-0.144798809256067	796	-4.11840306387488	4.21594861749651e-05	0.0209666951619749	0.000457874503349886
BRCA	NCOR2	cg25113767	-0.186601204765196	796	-5.34193415098689	1.20321958587358e-07	0.0348200096198227	2.56728646361627e-06
BRCA	NCOR2	cg25449924	-0.170682410880625	796	-4.87496356901452	1.31513838133191e-06	0.0291324853840224	2.17958830927427e-05
BRCA	ORC1	cg00298020	-0.147164159370883	796	-4.18715596637014	3.14168492019987e-05	0.0216572898033388	0.000354877648732436
BRCA	ORC1	cg02275620	-0.0406011087660515	796	-1.14355942157595	0.253151925447223	0.00164845003303274	0.447177586018194
BRCA	ORC1	cg04407474	-0.0432031260053574	796	-1.21698002175267	0.223974327861612	0.00186651009663479	0.413024673153801
BRCA	ORC1	cg07142859	-0.0769366756737344	796	-2.17162671881189	0.0301799707150334	0.00591925206372539	0.0991310860414334
BRCA	ORC1	cg08613513	0.0193696660041487	111	0.6442896888964028	0.519521194365815	0.000375183961112273	0.700075964045829
BRCA	ORC1	cg10586599	0.00543732165333257	111	0.180829386369975	0.856534626008792	2.95644667617992e-05	0.923665853835985
BRCA	ORC1	cg13460942	-0.00942459165701857	796	-0.265243299532709	0.790891061207685	8.88229279015441e-05	0.885185365727058
BRCA	ORC1	cg16136434	0.013041354364548	796	0.367047458724089	0.713681665221147	0.000170076923661716	0.837088610816936
BRCA	ORC1	cg16965475	-0.0921244377564815	796	-2.60368364751177	0.00939548057758568	0.00848691203194784	0.0405904379437275
BRCA	ORC1	cg17146111	0.0837119664276523	796	2.36416178349166	0.0183113128309427	0.00700769332318439	0.0680227570165502
BRCA	ORC1	cg19776520	-0.0187618458898287	796	-0.528098101128618	0.597579178301696	0.000352006861193682	0.758383173347344
BRCA	ORC1	cg21197365	-0.0467525592415734	796	-1.31717397218782	0.188161263829895	0.00218580179563683	0.367633779985963
BRCA	ORC1	cg23606758	0.0327285749391281	796	0.921557441948069	0.357040094312694	0.00107115961754612	0.555911798434106
BRCA	ORC1	cg25605769	-0.0400531658897282	796	-1.12810124797989	0.259618778070473	0.00160425609779008	0.454513980133549
BRCA	PADI1	cg14524955	0.0144470166530608	796	0.406617523616603	0.684398777657981	0.000208716290173817	0.818282470092717
BRCA	PADI1	cg21010178	0.0506594417851009	796	1.4275160151547	0.153825365689424	0.00256637904197803	0.321155321269098
BRCA	PADI1	cg22193702	-0.0244216958940961	111	-0.812424350526273	0.41672300868211	0.00059641923034371	0.612236779993127
BRCA	PADI2	cg00569276	-0.373087145439194	796	-11.3167113450394	1.25834644517714e-27	0.139194018091966	3.0401181166494e-25
BRCA	PADI2	cg01603374	-0.0657793812172774	796	-1.85521391673702	0.0639370717332999	0.00432692699332791	0.172436143470977
BRCA	PADI2	cg07014827	-0.173629889327266	796	-4.9586088272913	8.69166423110293e-07	0.0301473384677985	1.51266068723584e-05
BRCA	PADI2	cg09313801	-0.0207337131491825	796	-0.58362386908884	0.559639561466332	0.000429886860952582	0.730357323346952
BRCA	PADI2	cg10233913	-0.17205720561671	796	-4.91542287272544	1.0770836720605e-06	0.0296036820046309	1.82550429595369e-05
BRCA	PADI2	cg15185794	-0.0704725785727233	111	-2.34951839463416	0.0189728270421099	0.00496638433068866	0.0698519690919971
BRCA	PADI2	cg17183414	-0.0275621605947789	796	-0.775962749425929	0.438002629019463	0.000759672696652384	0.630829687818389
BRCA	PADI2	cg18228326	-0.0411086758708073	796	-1.15787946441226	0.247262279344875	0.00168992323185109	0.440504769261804
BRCA	PADI2	cg18879300	0.029938111909414	796	0.842910982768201	0.399532712116808	0.000896290544700597	0.596168558672964
BRCA	PADI2	cg19282714	-0.0415772264960622	111	-1.38391296719398	0.166664311374534	0.00172866576310486	0.339144217605821
BRCA	PADI3	cg01459162	-0.0215635992972713	111	-0.717298315624468	0.473341506033311	0.000464988814653279	0.661396490178053
BRCA	PADI3	cg12858514	-0.292969539872149	111	-10.1856886997835	2.37876528873387e-23	0.0858311512928986	4.16787537999466e-21

BRCA	PADI3	cg14664242	-0.0376143645724584	796	-1.05931169407108	0.289780805242954	0.00141484042218982	0.487252149809154
BRCA	PADI3	cg17589397	0.0334397640113688	796	0.941604983733469	0.346682028070611	0.00111821781713604	0.545998594606139
BRCA	PADI3	cg18768338	-0.0984713517772733	796	-2.78476375065534	0.00548451473806152	0.00969660712084351	0.0267045770406428
BRCA	PADI3	cg21966975	-0.070709613208979	796	-1.99493835009475	0.0463918585735125	0.00499984940016341	0.13655640577962
BRCA	PADI4	cg16091981	-0.174705637829873	796	-4.99344815554111	7.29868783380901e-07	0.0305220598895426	1.29197793574163e-05
BRCA	PADI4	cg18333690	-0.169095380346258	111	-5.70569755981977	1.48670922485047e-08	0.0285932476544456	3.92323804063832e-07
BRCA	PADI4	cg19159961	-0.080105264815932	796	-2.25304686449427	0.0245311526122161	0.0064168534512306	0.0849700296606489
BRCA	PADI4	cg21295838	-0.162470127492981	796	-4.63388293698035	4.19503935620945e-06	0.0263965423275853	6.09990465730177e-05
BRCA	PADI4	cg23228178	-0.0442717775770743	111	-1.47377283594007	0.140827316042972	0.00195999028983394	0.302580170250145
BRCA	PADI4	cg26918754	-0.155562423549992	796	-4.43186793570022	1.06583984764665e-05	0.0241996676207471	0.000138609069053534
BRCA	PADI6	cg12643633	0.0509750130869093	796	1.43643149146924	0.151274474352248	0.00259845195921057	0.317528640056089
BRCA	PADI6	cg16017904	0.00332080565737311	796	0.0934562704515458	0.925564724739566	1.10277502140413e-05	0.960813746949423
BRCA	PARP1	cg00653565	-0.0956132489984046	796	-2.70317979980377	0.00701512960470889	0.00914189338403092	0.032447994871926
BRCA	PARP1	cg02088626	-0.0855486115053131	796	-2.41640989793958	0.0158995568780987	0.00731856493048699	0.0610099380213388
BRCA	PARP1	cg03149313	0.129176761214937	796	3.66607218020391	0.000262741172410855	0.0166866356379809	0.00218349393937935
BRCA	PARP1	cg04960271	-0.0158635367767968	111	-0.527633346996865	0.597859672856787	0.000251651799068786	0.758564992582664
BRCA	PARP1	cg07113065	-0.171448688883909	796	-4.89441815158029	1.19523479311875e-06	0.0293946529200115	2.00435644526579e-05
BRCA	PARP1	cg17661881	-0.118061454469386	111	-3.95397294251414	8.17481154754772e-05	0.013938507031427	0.000808583966344473
BRCA	PARP1	cg25722198	-0.0782155023677192	796	-2.20794343973018	0.0275340750218716	0.00611766481063469	0.0925932219822647
BRCA	PARP1	cg26464410	0.017345960398337	796	0.488232051857232	0.625520624800784	0.000300882342140676	0.778376305416962
BRCA	PARP2	cg01813761	-0.118344377519381	779	-3.31788409714531	0.000949334656134945	0.0140053916904498	0.00642698983894891
BRCA	PARP2	cg10910545	-0.0285330364198872	788	-0.799250434546664	0.424387283897988	0.000814134167338608	0.619319854424039
BRCA	PARP2	cg15078479	-0.149526097145241	111	-5.02926648046099	5.74091300261809e-07	0.022358053727488	1.04592174736691e-05
BRCA	PARP2	cg15365367	-0.145693372075797	796	-4.14439649518846	3.77414517770084e-05	0.0212265586668167	0.000416049100119114
BRCA	PARP2	cg18899035	-0.00201738375179263	717	-0.053906173938301	0.957024996752274	4.06983720199691e-06	0.977378142113404
BRCA	PARP2	cg19540080	0.0323996208402196	796	0.912285107934857	0.361896252934903	0.00104973543058999	0.560812675062606
BRCA	PARP2	cg24595957	0.0642085934404275	111	2.13977353937896	0.0325914061779309	0.0041227434715981	0.104978771461764
BRCA	PARP2	cg26206608	-0.08712175495951	796	-2.46118173747592	0.0140602502719562	0.0075902001872249	0.0555314570572454
BRCA	PARP2	cg26430074	0.0291055094148041	796	0.819448803990717	0.412776919251517	0.000847130678295252	0.608381032477976
BRCA	PAXIP1	cg02824291	0.131345420445872	796	3.72869068208118	0.000206188841256305	0.0172516194721029	0.00178007487700511
BRCA	PAXIP1	cg12220104	0.0858571812850079	796	2.42519038234781	0.0155229657932044	0.00737145557820671	0.0599540065989745
BRCA	PAXIP1	cg22583711	0.00828226147940192	796	0.233091493312058	0.815750587060472	6.85958552131849e-05	0.900838957070414
BRCA	PAXIP1	cg24448952	-0.0799083523284486	796	-2.25603468517283	0.0243404643044023	0.00638534477184747	0.0844991780131497
BRCA	PAXIP1	cg24452135	0.0261205300173045	796	0.735347773999567	0.46234541488563	0.000682282088384904	0.651808871762132
BRCA	PCGF1	cg03203239	0.111033383148066	796	3.14419797220009	0.00172756212660807	0.0123284121733052	0.0105531188125126
BRCA	PCGF1	cg08092637	0.0170914394462136	796	0.481066010604233	0.630602455322667	0.000292117302343586	0.782023041388971
BRCA	PCGF1	cg27306986	-0.0388662667230303	796	-1.09462077202219	0.274015590330227	0.00151058668898573	0.470444227448572
BRCA	PCGF2	cg09395368	-0.0219645955531855	796	-0.618287673259136	0.536563486409697	0.000482443457815015	0.712663602495364
BRCA	PCGF2	cg17902383	0.141651022851721	796	4.02701895341243	6.19210228212966e-05	0.0200650122749388	0.000640229139999993
BRCA	PCGF2	cg20228512	-0.0782447312880596	111	-2.61015429198109	0.00917243894805516	0.00612223797434065	0.0399029597715876
BRCA	PCGF2	cg25377665	-0.0740230071058505	796	-2.0889229640368	0.0370333543714673	0.0054794055809928	0.115655269770129
BRCA	PCGF5	cg03905463	-0.00755117470730494	796	-0.212514952027037	0.831759996900855	5.70202394602418e-05	0.90977513882858
BRCA	PCGF5	cg06001881	-0.0309193023702564	796	-0.870562528531478	0.384256848140741	0.000956003259063345	0.582400632109042
BRCA	PCGF5	cg07421809	-0.0757782130030501	796	-2.13873746422767	0.0327622099005151	0.00574233756593563	0.105398269537978
BRCA	PCGF5	cg07424295	0.048549603612714	796	1.36792004416158	0.171725090609634	0.00235706401095165	0.345985229951463
BRCA	PCGF5	cg08633154	-0.0126999688848696	111	-0.422391574559705	0.672821325924106	0.000161289209676657	0.810678575527607
BRCA	PCGF5	cg11113644	-0.080569901666521	796	-2.27339700641502	0.0232695607604086	0.00649150905455287	0.0816633829474095
BRCA	PCGF5	cg12783297	-0.0747327194178747	796	-2.10906293233518	0.0352524851031084	0.00558497935159079	0.111435669488469
BRCA	PCGF5	cg15550435	-0.103080606761646	796	-2.91279674103346	0.00368307085015664	0.0106256114903491	0.019406719975419
BRCA	PCGF5	cg17001035	0.0947796636802901	111	3.16630112331517	0.00158611963220744	0.00898318464734889	0.00984604138748366
BRCA	PCGF5	cg20515900	-0.0254333546050236	796	-0.71598965197947	0.474208782630517	0.000646855526464874	0.662146632980032
BRCA	PCGF5	cg22968329	-0.0468604363170057	796	-1.32021990648588	0.187143022784395	0.00219590049182014	0.366340542800588
BRCA	PCGF5	cg23395902	-0.0358564043917497	796	-1.00973797510281	0.31292922439179	0.00128568173590469	0.511934390728974
BRCA	PCGF5	cg25390656	-0.00456181679871059	796	-0.12838224027183	0.897879077061759	2.08101725049982e-05	0.945971707646941
BRCA	PCGF6	cg01917164	-0.131120991604923	796	-3.72220794775664	0.000211462596180282	0.0171927144394583	0.00181894307908545
BRCA	PCGF6	cg06691148	0.0265922327957889	796	0.748636511550831	0.454298581998257	0.000707146845065433	0.644615764198965
BRCA	PCGF6	cg11612727	0.0808927312773269	796	2.28400837229325	0.0226349006596486	0.00654363397350582	0.0799482162050716

BRCA	PCGF6	cg11814370	-0.11830054919364	796	-3.35281659459435	0.00083791420835255	0.0139950199395168	0.00579007798228622
BRCA	PCGF6	cg14409890	-0.161170154200893	796	-4.59581293102148	5.01476554635923e-06	0.0259758186051395	7.14241433382405e-05
BRCA	PCGF6	cg16113748	-0.0543437786145658	796	-1.5316328106869	0.126012387883335	0.00295324627410894	0.279973944793401
BRCA	PCGF6	cg16382383	-0.00288349793611882	796	-0.0811491623384452	0.93534383041482	8.31456034760149e-06	0.965530197065828
BRCA	PCGF6	cg24418712	-0.0532259747436945	796	-1.50003801879546	0.134003065777644	0.0028330043874164	0.292186612696621
BRCA	PCGF6	cg25481680	-0.0380017489265024	796	-1.07023707389214	0.284838657284089	0.00144413292147293	0.482122417678362
BRCA	PCGF6	cg26155979	-0.0202837339022475	796	-0.570952336482668	0.568193915588817	0.000411429861017183	0.736762688045945
BRCA	PCGF6	cg27217148	0.113186727260599	111	3.78854948425549	0.000159692738831581	0.0128112352279653	0.00143570286890836
BRCA	PHC1	cg02770112	-0.00640279484011815	796	-0.180194312591251	0.857046118095224	4.09957817646436e-05	0.923921010896951
BRCA	PHC1	cg08021945	-0.266778098509048	796	-7.79013127038133	2.09927460384771e-14	0.0711705538441033	1.51917180029515e-12
BRCA	PHC1	cg08867249	-0.0140168175469283	796	-0.394506968075434	0.69331299159501	0.000196471174143877	0.82401024930322
BRCA	PHC1	cg09059548	-0.0614392311705712	111	-2.04712597919149	0.0408816154048195	0.00377477912683089	0.124339056564334
BRCA	PHC1	cg09912793	-0.194662871246905	796	-5.5851413832452	3.21053147362272e-08	0.0378936334420893	7.84668820166527e-07
BRCA	PHC1	cg12581035	0.00266574504508216	111	0.0886538738071231	0.92937304118232	7.1061966453801e-06	0.962647578266925
BRCA	PHC1	cg14199415	0.0145282912591158	796	0.408905514086122	0.682719546982759	0.000211071246909701	0.817114313412379
BRCA	PHC2	cg06899053	-0.0401540311867451	796	-1.13094671082616	0.258419865359348	0.0016123462205461	0.453047167390029
BRCA	PHC2	cg13640100	-0.0304214951889111	796	-0.856533201337104	0.391961992992729	0.000925467369528944	0.589059773004063
BRCA	PHC2	cg15586632	0.0464658824494052	796	1.3090798104985	0.190886994817958	0.00215907823180194	0.371233326395681
BRCA	PHC2	cg16558908	0.0674525129167183	796	1.90261521106777	0.0574532048672424	0.00454984149878005	0.15950589270341
BRCA	PHC2	cg17161743	-0.0321438415950467	796	-0.905075582093682	0.365700582867152	0.00103322655248745	0.564551441401571
BRCA	PHC2	cg19746874	0.058386342671165	796	1.64490577575691	0.100386550684392	0.0034089650105147	0.238886745132306
BRCA	PHC2	cg21198021	0.041590580401985	111	1.38435822684097	0.166528034607309	0.00172977637817398	0.339026534184053
BRCA	PHC2	cg21578869	0.167037678829983	796	4.767842712382	2.21594557716767e-06	0.0279015861489087	3.45811976389532e-05
BRCA	PHC2	cg23886755	-0.0661944887968227	111	-2.20124842899541	0.0279253684638487	0.00438171034707269	0.0936188801670607
BRCA	PHF1	cg01097444	0.0380005074769791	796	1.07020206058976	0.284854403927484	0.00144403856850794	0.482136623713822
BRCA	PHF1	cg02776641	-0.0952134661830689	796	-2.69177350958062	0.0072573129198046	0.0090656041425944	0.0333317916363087
BRCA	PHF1	cg03560363	0.00415204573595645	796	0.11684993175322	0.907008598588672	1.72394837934741e-05	0.950841639389257
BRCA	PHF1	cg03876174	-0.00350337518299029	796	-0.0985943220825812	0.92148532594181	1.22736376727923e-05	0.958838426887501
BRCA	PHF1	cg06618123	0.115280122699056	796	3.26604487395869	0.00113751825061745	0.0132895066895093	0.00747083957691296
BRCA	PHF1	cg06919790	-0.140071271660649	796	-3.98120400415789	7.48712514016441e-05	0.0196199611446313	0.000751165093053843
BRCA	PHF1	cg07857404	-0.0888913647816381	779	-2.48446605343913	0.0131846955427846	0.00790167473274225	0.0529006243259262
BRCA	PHF1	cg08665801	-0.00198442121156917	796	-0.0558466731094161	0.955478038225756	3.93792754492565e-06	0.976310958385669
BRCA	PHF1	cg08798692	0.034091869114671	796	0.959988279104318	0.337354086847131	0.00116225553973186	0.536920228159039
BRCA	PHF1	cg10033570	0.00524694962708361	796	0.147664283979563	0.882645303020589	2.75304803891528e-05	0.937680628107672
BRCA	PHF1	cg10797813	-0.0247664664306613	796	-0.69720400431786	0.485879732247808	0.000613377859461073	0.672440054268488
BRCA	PHF1	cg13303256	0.078924996903643	111	2.63298879764169	0.00858171218986568	0.00622915513624006	0.0379170624239456
BRCA	PHF1	cg13528777	0.0486939272757315	796	1.37199611774949	0.170453127007609	0.00237109855353423	0.344266690993035
BRCA	PHF1	cg13547657	0.00134712309798354	796	0.037911438854955	0.969767846342012	1.81474064112077e-06	0.984061878304425
BRCA	PHF1	cg18443095	-0.0695585269835321	796	-1.9623034166022	0.0500769351258401	0.00483838867611877	0.144429062068721
BRCA	PHF1	cg20135607	0.100305779126099	796	2.83716363067656	0.00466788552627551	0.0100612493260937	0.02347491671285
BRCA	PHF1	cg20872639	-0.00542638990192508	796	-0.152714396697886	0.878662403742594	2.94457073677145e-05	0.9355486044804
BRCA	PHF1	cg23345642	0.00473737476225922	796	0.133323039544736	0.893971774786918	2.24427196380906e-05	0.943810767958275
BRCA	PHF1	cg23718418	-0.0116761807440496	796	-0.328619254678924	0.742530360458356	0.000136333196767714	0.855253352751616
BRCA	PHF1	cg24796663	-0.127081052156578	796	-3.60561090061744	0.000330915277584487	0.016149593817223	0.00265120732280202
BRCA	PHF1	cg26673053	-0.0462596294615052	796	-1.30325657134696	0.192865921335694	0.00213995331791576	0.373731168345263
BRCA	PHF10	cg04353997	-0.288032521338072	796	-8.45933600283613	1.29261488668478e-16	0.0829627333483671	1.23383659502768e-14
BRCA	PHF10	cg05243705	-0.0954657180326264	796	-2.69897040842888	0.0071036455095967	0.00911370331948494	0.0327789903774581
BRCA	PHF10	cg05736120	-0.0754333703555649	796	-2.12894892137625	0.0335664393453735	0.00569019336319982	0.10732706873958
BRCA	PHF10	cg07652237	-0.223228409969107	796	-6.44076214971358	2.06223289372127e-10	0.0498309230173358	7.73153473417602e-09
BRCA	PHF10	cg11442717	-0.14617863778202	111	-4.91418849400307	1.02606065096542e-06	0.0213681941438071	1.74740285204036e-05
BRCA	PHF10	cg15342139	-0.059889789884119	796	-1.68847891317482	0.0917129864006397	0.00358678693236392	0.223855423696391
BRCA	PHF10	cg15360169	-0.240508862955787	796	-6.97320423242425	6.53669239929732e-12	0.0578445131602857	3.21191304924488e-10
BRCA	PHF10	cg16740543	-0.00309447269488811	111	-0.102912066196203	0.918051417059767	9.57576125940808e-06	0.956844747303691
BRCA	PHF10	cg27124293	-0.281684360770783	796	-8.26184651736079	6.00792431358938e-16	0.0793460791028449	5.22212808995947e-14
BRCA	PHF11	cg00092518	-0.2070754440568	796	-5.95673185815599	3.86818525629841e-09	0.0428802395313211	1.14245103959179e-07
BRCA	PHF11	cg01214340	-0.206397238123255	796	-5.93635302649309	4.35750461700002e-09	0.0425998199049078	1.2729542402362e-07
BRCA	PHF11	cg02289189	-0.0441301659703683	796	-1.24314403945518	0.214182639338768	0.00194747154857225	0.400820886329568

BRCA	PHF11	cg05080330	-0.086773660086363	796	-2.45127350055171	0.0144502495386383	0.00752966911257837	0.0567277030685897
BRCA	PHF11	cg09997676	-0.231787544670365	796	-6.70569983719085	3.8105808655866e-11	0.0537254658643165	1.62611260481319e-09
BRCA	PHF11	cg16956501	-0.21017767512241	796	-6.05006308987861	2.23169400649635e-09	0.0441746551198612	6.91682882634969e-08
BRCA	PHF11	cg21320768	-0.255638796038435	796	-7.44157951357207	2.59479376542526e-13	0.0653511940399804	1.60460561357307e-11
BRCA	PHF11	cg23137039	-0.0335252661638815	796	-0.944015279658904	0.345449724312737	0.0011239434713591	0.544723134755955
BRCA	PHF11	cg24481868	-0.205202546240998	796	-5.90047646364877	5.3695254741183e-09	0.0421080849837888	1.54824634815997e-07
BRCA	PHF11	cg24984523	-0.21611637893903	796	-6.22926647016446	7.60346470104478e-10	0.0467062892457185	2.57287487147924e-08
BRCA	PHF11	cg25162948	-0.243018407859789	796	-7.05050658615481	3.88494392243514e-12	0.0590579465587065	1.99620427676301e-10
BRCA	PHF12	cg01406758	0.0507506958440994	796	1.430094067899	0.153084390506552	0.00257563312866029	0.32021033987734
BRCA	PHF12	cg02058367	0.0179380340469186	796	0.504902264073752	0.613767939289517	0.000321773065468413	0.770220614483623
BRCA	PHF12	cg06895197	0.144236199619697	796	4.1020605287765	4.51843422081183e-05	0.0208040812807332	0.000486178522508763
BRCA	PHF12	cg08657247	-0.048953295129699	796	-1.3793215535719	0.16818497728547	0.00239642510405541	0.341265607421838
BRCA	PHF12	cg08806622	0.033552077935751	796	0.94477110472049	0.345063873094954	0.00112574193380671	0.544291225360385
BRCA	PHF12	cg13564075	-0.0321500399361862	111	-1.0697533252412	0.284963761105764	0.00103362506789837	0.48215567865798
BRCA	PHF14	cg06715026	0.0244819462205994	796	0.689189607565364	0.49090580947526	0.000599365690748323	0.676637717077147
BRCA	PHF14	cg07287563	-0.0437712225168711	796	-1.23301313503599	0.217936709114042	0.00191591992062144	0.405485706228303
BRCA	PHF14	cg07574654	0.0233028148012947	796	0.65597746776721	0.512029139013098	0.000543021177663439	0.693914862296133
BRCA	PHF14	cg11931558	-0.202217147744914	796	-5.81094498095066	8.99910929635198e-09	0.0408917748420883	2.48430343719094e-07
BRCA	PHF14	cg13029706	-0.148717649264599	796	-4.23235064471	2.58345455537766e-05	0.0221169392027881	0.000299519021879359
BRCA	PHF14	cg16800461	0.0189487107190804	796	0.533359749286413	0.593934211971848	0.000359053637915394	0.755716684431435
BRCA	PHF14	cg20819769	0.110805534657695	796	3.135684090137	0.00177794288356021	0.0122778665107777	0.0108040375475459
BRCA	PHF14	cg20964328	-0.147013105849147	796	-4.18276315930371	3.20168460360295e-05	0.0216128532914124	0.000360660081165201
BRCA	PHF14	cg22876561	-0.0707344143704127	796	-1.99564158600342	0.0463150379030655	0.00500335737632524	0.136405571502867
BRCA	PHF14	cg23083824	-0.0374025108753978	796	-1.05333699841052	0.292507811697363	0.00139894781978425	0.490205788521859
BRCA	PHF14	cg24491907	0.0787213853470541	796	2.22321275893785	0.0265439202960446	0.00619705651095938	0.0901098680184365
BRCA	PHF19	cg11054680	-0.0812133663036816	762	-2.24483984922161	0.025065651480982	0.00659561086637597	0.0863858705361623
BRCA	PHF19	cg11594303	-0.0654461620615739	796	-1.84577541433576	0.0652978647461945	0.00428320012858979	0.17518647274797
BRCA	PHF19	cg13501527	-0.265792741891786	796	-7.75916649220276	2.63488694767409e-14	0.0706457816423537	1.87881205506286e-12
BRCA	PHF19	cg13793166	-0.0647713368664746	572	-1.5482885921815	0.122108817712379	0.00419532607947034	0.273913880193679
BRCA	PHF19	cg13851767	-0.108650455570229	796	-3.07590415765585	0.00217081180871342	0.0118049214956182	0.0126898206978548
BRCA	PHF19	cg13852822	-0.147075373945539	796	-4.18457394963937	3.17682074052345e-05	0.0216311656212201	0.000358326218193825
BRCA	PHF19	cg14218513	-0.133497638798086	796	-3.78849432401174	0.000163060818064501	0.0178216195646642	0.00146159157512499
BRCA	PHF19	cg27207079	-0.147070859492071	796	-4.18444266515138	3.17861720276793e-05	0.0216298377117365	0.000358476872531354
BRCA	PHF20	cg01512265	-0.0552166829909054	796	-1.55532668489348	0.120268276220357	0.00304888208051814	0.27112989104806
BRCA	PHF20	cg02674305	-0.0504816217985621	796	-1.41979578815937	0.156062121977171	0.00254839413941306	0.324366045501938
BRCA	PHF20	cg02957488	-0.188402083008597	796	-5.39878617238171	8.87361690971385e-08	0.0354953448819782	1.94728957369331e-06
BRCA	PHF20	cg04179482	0.110755770273695	796	3.13623888909926	0.00177454362148244	0.0122668406489195	0.0107875944744554
BRCA	PHF20	cg09692677	-0.130647916816851	779	-3.66852765662819	0.000260638934830226	0.0170688781685827	0.00216857168943129
BRCA	PHF20	cg10372813	-0.232334983171152	796	-6.72243999829356	3.4184271517e-11	0.0539795444051394	1.47168302069369e-09
BRCA	PHF20	cg21765224	-0.130821689191917	796	-3.71356336042922	0.000218692682699522	0.0171143143630265	0.001807099731199017
BRCA	PHF20	cg23538717	-0.00629604106101814	796	-0.177189813251259	0.85940460037099	3.96401330420264e-05	0.925319273951536
BRCA	PHF20	cg23734815	-0.0475112692104922	796	-1.33859731052091	0.181085917326808	0.00225732070199186	0.358339425953799
BRCA	PHF20	cg25561939	-0.00837328928493194	796	-0.235653509352733	0.813762469508634	7.01119734491561e-05	0.899677930120865
BRCA	PHF20	cg27405321	-0.0418334890590221	796	-1.17609644929803	0.239911068656672	0.00175004080685132	0.431838813370904
BRCA	PHF20L1	cg02898212	0.413335878599872	796	12.7746273202345	4.10154517948309e-34	0.170846548537928	1.34631057254307e-31
BRCA	PHF20L1	cg05307234	-0.150820994018634	796	-4.29359302973899	1.9761059788729e-05	0.0227469722367687	0.000236907364032114
BRCA	PHF20L1	cg10591701	-0.102179572009732	796	-2.88889263012083	0.00397163227396286	0.0104406649360919	0.0206462350617247
BRCA	PHF20L1	cg17646969	-0.0451634185114962	796	-1.27230950879992	0.203636582871929	0.00203973437164455	0.387498271315954
BRCA	PHF20L1	cg24511731	-0.147915584883416	796	-4.20901272584155	2.85872669449756e-05	0.0218790202514031	0.000326758425612317
BRCA	PHF20L1	cg26292018	0.330075465962978	796	9.84067192069267	1.23231211125611e-21	0.108949813230677	1.87605652413028e-19
BRCA	PHF20L1	cg27342122	0.017837666812532	111	0.59331416153906	0.553092230168821	0.000318182357314905	0.725172707841971
BRCA	PHF21B	cg01775414	-0.0555078498721445	111	-1.84885162084693	0.064745975798774	0.00308112139742853	0.174056549909801
BRCA	PHF21B	cg01995480	-0.0731560126793649	796	-2.06432402629073	0.03931211219755	0.00535180219114341	0.120955800359761
BRCA	PHF21B	cg05064352	-0.0626421237443793	111	-2.0864182931437	0.0371695882833609	0.00392403566720613	0.11599690913494
BRCA	PHF21B	cg10080155	-0.0329050486564617	796	-0.926531886223905	0.354451879327847	0.00108274222708411	0.553452675983059
BRCA	PHF21B	cg11428482	-0.0237447855413755	796	-0.668425958706982	0.504056487389661	0.000563814840405915	0.687348952304006
BRCA	PHF21B	cg14786713	-0.0858769590579406	796	-2.42575319124203	0.0154990975960394	0.0073748520970392	0.0598856063567243

BRCA	PHF21B	cg15679813	-0.0596398128528152	79e-1.68140607525597	0.0930783108067247	0.00355690727711882	0.226243840365516
BRCA	PHF21B	cg20495645	-0.0613767660213641	79e-1.73055797830156	0.0839201421196714	0.00376710740724128	0.210054167826825
BRCA	PHF21B	cg20525183	-0.0493514889323361	79e-1.38969029273703	0.165013942802077	0.00243556945983849	0.336883377676538
BRCA	PHF21B	cg21715212	-0.0688887397514553	79e-1.943317628272	0.0523317442829259	0.00474565846454374	0.149162631984243
BRCA	PHF21B	cg23080354	-0.0482105504569963	79e-1.35834464338039	0.17474113218449	0.00232425717536659	0.350163615949338
BRCA	PHF21B	cg25561581	-0.0319643949606484	79e-0.900017712957085	0.368384394837514	0.00102172254520033	0.567262383451892
BRCA	PHF21B	cg25976257	-0.0574878221877375	79e-1.62053074449549	0.105516363971135	0.00330484969988892	0.247513569496155
BRCA	PHF23	cg00039960	0.107431577182223	79e3.04099237924471	0.00243571622571952	0.0115415437758599	0.0139336795399385
BRCA	PHF23	cg01441172	0.0346248757172613	79e0.975015015742986	0.329850512283941	0.00119888201843579	0.529495083830979
BRCA	PHF23	cg04379155	-0.143243174808412	79e-4.07322531062285	5.10307356577845e-05	0.0205186071291933	0.000539679859945852
BRCA	PHF23	cg11180288	0.0537116814899677	79e1.51376584662483	0.130484180454206	0.00288494472847974	0.286910297746028
BRCA	PHF23	cg13351208	0.0239973967794778	79e0.675541149954641	0.499529202747345	0.000575875052191691	0.683660050232816
BRCA	PHF23	cg22033559	-0.0234312344380581	79e-0.659594478727904	0.509705846276417	0.000549022747291239	0.692116678103499
BRCA	PHF23	cg26213471	-0.149504481032549	79e-4.25525363511377	2.3379954033742e-05	0.0223515898488117	0.000274497456097332
BRCA	PHF23	cg26784276	0.0630239092302668	79e1.77718303154813	0.0759218461251995	0.00397201313466491	0.195623479645726
BRCA	PHIP	cg01492710	0.166518625441598	79e4.7526038961329	2.38471479043711e-06	0.0277284526189591	3.68966790786127e-05
BRCA	PHIP	cg04480383	-0.174990852044845	79e-5.00185746554182	6.99667360069008e-07	0.0306217982993808	1.24525701483954e-05
BRCA	PHIP	cg05801338	-0.231371827681448	79e-6.69299209647338	4.13740357466663e-11	0.0535329226446538	1.75228535890221e-09
BRCA	PHIP	cg06848288	0.0868127505560213	1112.89672570765239	0.0038451284765514	0.00753645365910198	0.0201202612971574
BRCA	PHIP	cg08287994	-0.271989184201401	79e-7.95432992083862	6.21308528609151e-15	0.0739781163225437	4.79029491324284e-13
BRCA	PHIP	cg08587415	-0.0695420469479155	79e-1.96183624163423	0.0501314229027963	0.00483609629370609	0.144533264422881
BRCA	PHIP	cg15564972	-0.114225535357232	79e-3.23577012753924	0.00126353783098495	0.0130474729276462	0.00815460942621897
BRCA	PHIP	cg19494004	-0.230307433016698	79e-6.66047304966815	5.10404638780717e-11	0.0530415137027407	2.13360658083327e-09
BRCA	PHIP	cg19950079	0.145119206701395	79e4.12771170592127	4.05236349763455e-05	0.0210595841536421	0.000443264294059311
BRCA	PHIP	cg21607066	0.0507810134369038	1111.69098443710008	0.0911215171595422	0.00257871132567901	0.222796219188152
BRCA	PHIP	cg21875336	-0.216424795008284	79e-6.23859267757845	7.18378819281108e-10	0.0468396918943776	2.43828803957917e-08
BRCA	PHIP	cg26363168	-0.0502688220296614	79e-1.41648087383867	0.157027945794242	0.00252695446824977	0.32568604071444
BRCA	PHRF1	cg06063517	-0.0394953578636072	79e-1.11236581279858	0.266318420882081	0.0015598832927744	0.462116229805483
BRCA	PHRF1	cg07530960	-0.327079971913577	79e-9.74061252915482	2.97928498463657e-21	0.106981308026986	4.3730282282041e-19
BRCA	PHRF1	cg08482978	-0.0869355279396581	79e-2.4543298146948	0.0143292139194372	0.00755778601814708	0.0563562622673761
BRCA	PHRF1	cg12469954	-0.187413408447166	79e-5.36942090955542	1.03868807649332e-07	0.0351237856657844	2.24892012865909e-06
BRCA	PHRF1	cg12813709	-0.240376859997572	79e-6.96914222759635	6.71697807660351e-12	0.0577810348222925	3.29678607250028e-10
BRCA	PHRF1	cg15219216	-0.00621350449776187	79e-0.174866892151646	0.861228917994565	3.8607638143707e-05	0.926245759579237
BRCA	PHRF1	cg16143007	-0.190219350238923	79e-5.45280646845838	6.6290868883431e-08	0.0361834012053179	1.50300530079063e-06
BRCA	PHRF1	cg18793109	-0.0270606441164472	79e-0.761833017846672	0.446386468690309	0.000732278459997011	0.638196551289103
BRCA	PHRF1	cg20152424	0.190810960894039	79e5.47040527128569	6.02500974495227e-08	0.0364088227973065	1.38099472038544e-06
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BRCA	PPARGC	cg04893087	-0.00994043783604859	111-0.330601283338182	0.741008293428173	9.88123043723463e-05	0.854392899923449
BRCA	PPARGC	cg05158538	-0.0594727456312593	110-1.97508707887401	0.0485082036763815	0.00353700747292048	0.141070923244876
BRCA	PPARGC	cg11270806	0.0629801214360442	79e1.77594336026093	0.0761261388231	0.00396649569609887	0.195966288562427
BRCA	PPARGC	cg12691631	-0.104016701466382	79e-2.94325499288897	0.00334270129515255	0.0108194741839465	0.0179562287360239
BRCA	PPARGC	cg20723350	-0.0555131995081005	79e-1.56469274425385	0.118054421370019	0.00308171531962617	0.267716881192058
BRCA	PPARGC	cg27461259	0.0259367092421714	79e0.730169337203789	0.465502598161227	0.000672712886312941	0.654757162098692
BRCA	PPARGC	cg27514608	0.0548140803644834	79e1.54492763636319	0.122763225410342	0.00300458340620404	0.274961631807565
BRCA	PRDM1	cg00555933	-0.133353048916222	79e-3.78431671499808	0.000165774132822225	0.0177830356552523	0.00148300746191033
BRCA	PRDM1	cg01761420	-0.0395399944614499	79e-1.11362494634167	0.265777974629113	0.00156341116201149	0.461547241071885
BRCA	PRDM1	cg05170275	-0.0720727106630533	79e-2.03359447296564	0.0423253838617431	0.0051944756223202	0.127592843220198
BRCA	PRDM1	cg08742502	-0.106588108363332	79e-3.01684141733589	0.00263597390658788	0.0113610248444734	0.0148484290378151
BRCA	PRDM1	cg14359052	-0.096266291871361	79e-2.72181474978776	0.00663507441957863	0.00926719895066207	0.0310514936772363
BRCA	PRDM1	cg17143179	-0.0671126030812703	79e-1.89298397421802	0.0587243353819138	0.00450410149234414	0.162086249661189
BRCA	PRDM1	cg17521665	0.0568604407942686	79e1.60278773761887	0.10938023874994	0.00323310972731852	0.253897663463414
BRCA	PRDM1	cg17965230	-0.101685016276773	111-3.39777845559265	0.000703561604506166	0.0103398425352076	0.00500845867463469
BRCA	PRDM1	cg19464016	-0.128020925843119	111-4.29286190017143	1.91846998703222e-05	0.0163893574537293	0.000230994357175645
BRCA	PRDM1	cg22186515	-0.163259320414699	79e-4.65700670228279	3.76168071639482e-06	0.0266536057022695	5.53606109820694e-05
BRCA	PRDM1	cg22196848	-0.0911062730725317	79e-2.57466537543178	0.0102142080731592	0.00830035299316672	0.0433121172377272
BRCA	PRDM1	cg24040346	-0.0931143993658404	79e-2.63190601265098	0.0086559904507671	0.00867029136926123	0.0381585607257311
BRCA	PRDM1	cg24793124	-0.159379245591456	79e-4.54340595193091	6.39802318379561e-06	0.0254017439253016	8.83906616160887e-05

BRCA	PRDM1	cg24874254	-0.115591753205294	796	-3.27499319745334	0.00110256247253003	0.0133614534090736	0.00727659082253136
BRCA	PRDM1	cg26351406	-0.083615631983458	796	-2.36142197584936	0.0184461981302755	0.00699157391199309	0.0683986433435012
BRCA	PRDM10	cg04181189	-0.0597067415232504	796	-1.68329972061363	0.0927111736065603	0.00356489498332424	0.225647562480016
BRCA	PRDM10	cg17627813	0.0290555194206788	796	0.818040174363356	0.413580287384461	0.000844223208805442	0.609160853311222
BRCA	PRDM12	cg09191327	0.174227893593478	111	5.88422063574938	5.29527585818364e-09	0.0303553589060204	1.52967207616613e-07
BRCA	PRDM12	cg12539975	0.0922634219716352	111	3.08150948308227	0.00211045657931761	0.00851253903391601	0.0124078642027988
BRCA	PRDM12	cg13795948	0.136857326844877	796	3.88809051700205	0.000109503745148178	0.0187299279111256	0.00104186430018819
BRCA	PRDM12	cg13928649	0.166810072677336	796	4.76115995381478	2.2884918994609e-06	0.0278256003466181	3.55706171481841e-05
BRCA	PRDM12	cg23342516	0.188638983561168	796	5.40582503245452	8.54398932504578e-08	0.0355846661189905	1.88452255614577e-06
BRCA	PRDM13	cg00126261	0.351957244513831	796	10.5820349381524	1.4406042926496e-24	0.123873901965768	2.84651668745494e-22
BRCA	PRDM13	cg00579292	0.299805552958385	796	8.84410190851635	5.92461532888519e-18	0.0898833695846831	6.50988029513127e-16
BRCA	PRDM13	cg01422797	0.140104143510166	796	3.98215701556822	7.45774891569805e-05	0.0196291710287172	0.000748934648277599
BRCA	PRDM13	cg01815538	0.0438534254549057	796	1.23533320770555	0.217072835983244	0.00192312292412897	0.404420064241797
BRCA	PRDM13	cg02400433	0.0270313026547713	796	0.761006369065529	0.44687977637674	0.000730691323213843	0.638537221495322
BRCA	PRDM13	cg03120185	0.178733753913465	796	5.11233519211428	3.99281536216696e-07	0.0319457547879991	7.53011098871314e-06
BRCA	PRDM13	cg04910970	0.116933877910856	796	3.31354291383923	0.000963053884593723	0.013673531803271	0.00650702055705545
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BRCA	PRDM13	cg13738144	-0.0234787457665182	796	-0.660932670161119	0.508847696984412	0.000551251502768799	0.691352007538544
BRCA	PRDM13	cg14344102	0.111203093532365	796	3.14906388813784	0.00169940651467603	0.0123661280111679	0.0104146549868211
BRCA	PRDM13	cg17879189	0.0432337125180967	796	1.21784321985469	0.223646250509506	0.00186915389809743	0.412556367530597
BRCA	PRDM13	cg17978124	0.174563135471529	796	4.98924707486651	7.45424211298316e-07	0.0304722882656514	1.31495535359957e-05
BRCA	PRDM13	cg25273233	0.115290227573045	796	3.26633501531829	0.0011363689227558	0.0132918365738445	0.00746518189299651
BRCA	PRDM13	cg25924096	0.159361367252339	796	4.54288301488153	6.41351556534494e-06	0.0253960453725348	8.85732344914689e-05
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BRCA	PRDM14	cg00384539	-0.0297505984957624	796	-0.837626829315121	0.402493012915168	0.00088509811085606	0.599046116182108
BRCA	PRDM14	cg01295203	0.01091905974501	111	0.363152214549415	0.716560575588681	0.000119225865715099	0.838888087544708
BRCA	PRDM14	cg04838988	0.0562139050941223	796	1.58450501956975	0.113478026121743	0.00316000312593099	0.260633272242179
BRCA	PRDM14	cg09050331	0.0444923449577784	796	1.25336675327678	0.210442138956948	0.00197956875984195	0.396107809291478
BRCA	PRDM14	cg10457247	-0.0138580054038968	111	-0.460914101841116	0.644950852274619	0.000192044313774433	0.791811846253608
BRCA	PRDM14	cg11229513	0.0391704116751204	796	1.10319975368167	0.270275517693524	0.00153432115079841	0.466359401651326
BRCA	PRDM14	cg13267264	-0.00616934821505331	796	-0.173624152747847	0.862205214873708	3.80608573985814e-05	0.926761552161084
BRCA	PRDM14	cg18035229	0.0472720073994013	796	1.33184113782507	0.183295543596905	0.00223464268356905	0.36144314513137
BRCA	PRDM14	cg21255438	0.0265206039980935	796	0.746618564160552	0.455515408358699	0.000703342436423694	0.645830191133465
BRCA	PRDM14	cg27029821	-0.00670004118904052	796	-0.188560105038343	0.850485907793242	4.48905519348395e-05	0.92031966047026
BRCA	PRDM4	cg00090609	0.10358538200847	796	2.93091773051931	0.00347685496989339	0.0107299313658407	0.0185462462649401
BRCA	PRDM4	cg03909902	-0.19729924481448	795	-5.66024819149918	2.11413665691753e-08	0.0389269920043639	5.41901637852529e-07
BRCA	PRDM4	cg12900929	0.0690216639280374	796	1.94708528602961	0.0518776426763913	0.00476399009139494	0.148210405228321
BRCA	PRDM4	cg18440127	0.0138432006095435	796	0.389619531835356	0.696922651855651	0.000191634203116066	0.826191873999401
BRCA	PRDM4	cg25995916	0.0740501282930561	111	2.46831703620247	0.0137255323270063	0.00548342150021806	0.0545306195723983
BRCA	PRDM4	cg27140793	0.116641329534269	796	3.30513851454953	0.000991993521074409	0.0136051997555219	0.00667281832930935
BRCA	PRDM5	cg05713693	-0.172292358832382	796	-4.92234623372819	1.04075157033743e-06	0.0296846569120262	1.77009680067403e-05
BRCA	PRDM5	cg06329345	-0.112002626473087	796	-3.17199176172848	0.00157234222945646	0.0125445883368699	0.00977768116693333
BRCA	PRDM5	cg07070341	-0.274861025518969	796	-8.04514187402618	3.14032275422591e-15	0.0755485833493395	2.52374244155218e-13
BRCA	PRDM5	cg10416963	-0.0652623511559825	796	-1.8405691975198	0.0660586529150666	0.00425917447840677	0.176645361091527
BRCA	PRDM5	cg11171429	-0.132971580456616	796	-3.77568058616204	0.000171503245570098	0.0176814412091304	0.00152653586794968
BRCA	PRDM5	cg13155001	-0.239374363774957	796	-6.93830671057925	8.25430429872852e-12	0.0573000860326654	3.98594257365169e-10
BRCA	PRDM5	cg18181323	-0.291103408680319	796	-8.56323620781266	5.67628510248812e-17	0.0847411945453005	5.63240973549695e-15
BRCA	PRDM5	cg19294653	-0.296881697765936	796	-8.74946772897896	1.27691426280879e-17	0.0881387424683845	1.35705284372878e-15
BRCA	PRDM5	cg22135105	-0.323370782568303	796	-9.61716846933622	8.76924167178898e-21	0.104568663018837	1.23810233505472e-18
BRCA	PRDM8	cg01304890	-0.285869308076295	796	-8.39542829669218	2.12933151312892e-16	0.0817212613000197	1.97908262523717e-14
BRCA	PRDM8	cg02895669	0.0917997887280328	796	2.59443007580084	0.00964995639605451	0.00842720121051145	0.0414412756210138
BRCA	PRDM8	cg04343891	-0.270727838695515	796	-7.91451701390609	8.36276882979888e-15	0.0732935626447446	6.29790162967448e-13
BRCA	PRDM8	cg05007549	0.180687351182293	796	5.17008944854275	2.9653945418933e-07	0.0326479188772734	5.76004751540692e-06
BRCA	PRDM8	cg07462804	-0.0695419802599246	796	-1.96183435117072	0.0501316434933621	0.00483608701847174	0.144533264422881
BRCA	PRDM8	cg08074201	-0.254767562751406	795	-7.40977221779643	3.25218270517133e-13	0.0649065110302917	1.98120831140249e-11
BRCA	PRDM8	cg10695325	-0.140136523660164	796	-3.98309578489555	7.4289184937336e-05	0.0196382452635556	0.000746577038239907
BRCA	PRDM8	cg11571772	-0.0693177352906153	796	-1.95547762982617	0.0508780077359073	0.00480494842581982	0.146141302048974

BRCA	PRDM8	cg12572049	-0.12944291566052	796	-3.67375430214144	0.000255091764037676	0.0167554684146966	0.00212856469929711
BRCA	PRDM8	cg14489346	-0.0867465508117781	796	-2.45050171346248	0.0144810254179465	0.00752496407774041	0.0567925434242656
BRCA	PRDM8	cg15656813	-0.0174087464074141	796	-0.489999807436603	0.624269737104166	0.000303064451477652	0.777416684102018
BRCA	PRDM8	cg16117799	-0.209207372696914	796	-6.02085096535995	2.65304888567707e-09	0.0437677247907454	8.10330918776452e-08
BRCA	PRDM8	cg18624348	-0.0802415050023286	796	-2.26550133668216	0.023751186906839	0.00643869912503873	0.0829674355805853
BRCA	PRDM8	cg19595012	-0.292628068494683	796	-8.61227460479436	3.84188392800131e-17	0.085631186470929	3.88654770214478e-15
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BRCA	PRDM8	cg26162932	-0.2260440289933	796	-6.53047046232151	1.17128480662316e-10	0.0510959030435238	4.62767548229773e-09
BRCA	PRKAA1	cg00301775	-0.103301989864755	796	-2.92281262299233	0.00356764168697316	0.0106713011100179	0.0189383225790781
BRCA	PRKAA1	cg01883943	-0.0309849026180331	786	-0.866886196119822	0.386270277405835	0.000960064190248995	0.58426843655596
BRCA	PRKAA1	cg03125217	-0.123770870637036	796	-3.51021168865674	0.00047304891027289	0.0153192284182498	0.0035780619276392
BRCA	PRKAA1	cg05874655	-0.00779049486498943	796	-0.219250612808668	0.826511321818898	6.06918102414266e-05	0.906775283036884
BRCA	PRKAA1	cg06971720	-0.0282523826082338	796	-0.795410034201411	0.426613337695769	0.000798197123042032	0.621174357326916
BRCA	PRKAA1	cg10786880	-0.072293216720382	111	-2.41053236773267	0.016091597311205	0.00522630918378011	0.0615785194169848
BRCA	PRKAA1	cg24728477	-0.105358100563939	796	-2.98163451471446	0.00295500388559573	0.0111003293544411	0.0162632877450325
BRCA	PRKCD	cg02121118	-0.0277174394699448	796	-0.78033769679865	0.435425278772334	0.000768256450770053	0.628671964826469
BRCA	PRKCD	cg02559423	-0.100490952455725	796	-2.84245466732698	0.00459188517602331	0.0100984315254589	0.0231600826882493
BRCA	PRKCD	cg02630105	0.0105503755213911	111	0.350888918926589	0.725738508925016	0.000111310423642369	0.844640136979194
BRCA	PRKCD	cg10531918	-0.263252043089296	796	-7.679445568202	4.71361004133084e-14	0.0693016381906887	3.2450493765955e-12
BRCA	PRKCD	cg13469346	0.0482986990990416	796	1.36083405592703	0.173953237112451	0.00233276433465976	0.349082137128567
BRCA	PRKCD	cg13889007	-0.314108562238529	796	-9.31105844081442	1.21787774261907e-19	0.0986641888715555	1.57643229799181e-17
BRCA	PRKCD	cg13908523	-0.00441979875963799	111	-0.146988819197711	0.883167634112974	1.95346210756975e-05	0.937954169668051
BRCA	PRKCD	cg14727059	-0.0818377263776195	796	-2.31086919294136	0.0210960885394058	0.00669741345865812	0.0758702377067419
BRCA	PRKCD	cg21903826	0.0270081238364763	796	0.760353344302583	0.447269692474338	0.000729438753166438	0.638895695201128
BRCA	PRMT1	cg07702240	0.0137245298412222	796	0.38627888836487	0.699393881572652	0.0001883627193626	0.827633824506585
BRCA	PRMT1	cg08377944	-0.00291849967535988	796	-0.0821342110296654	0.934560740794605	8.51764035507573e-06	0.965222617950599
BRCA	PRMT1	cg11787855	0.182998029936178	796	5.23848183853519	2.07708601199391e-07	0.0334882789605224	4.18830557846175e-06
BRCA	PRMT1	cg14258555	-0.0742693343500922	796	-2.0959127893946	0.0364067743397895	0.00551593402480578	0.114253443180023
BRCA	PRMT1	cg14576628	-0.0839402713972661	111	-2.80145313067217	0.00517601022501883	0.00704596916224669	0.0254817453135752
BRCA	PRMT1	cg18880319	-0.10345451033074	796	-2.92717466840788	0.00351851662032675	0.0107028357077733	0.0187184217986527
BRCA	PRMT1	cg22292364	0.0140146740913255	796	0.39444662810879	0.693357513936182	0.00019641108988607	0.824050575029812
BRCA	PRMT1	cg24228123	-0.119569355378255	796	-3.38929524421461	0.000735381466936822	0.0142968307455714	0.0051946123525727
BRCA	PRMT1	cg25595446	-0.0604024800531433	111	-2.01245434103439	0.0444141108031818	0.00364845959657038	0.132290042722365
BRCA	PRMT1	cg26846726	-0.0447484729205013	796	-1.26059641355667	0.207825539821481	0.00200242582871684	0.392865162803982
BRCA	PRMT2	cg04493422	0.0305536767567026	796	0.860258312887672	0.389906996147122	0.000933527163353068	0.587426118213132
BRCA	PRMT2	cg06725035	-0.0742761823359345	110	-2.46916281210894	0.0136941370031568	0.00551695126240099	0.0544496573602878
BRCA	PRMT2	cg09031657	-0.127669003026936	796	-3.62256831282403	0.000310284967495531	0.0162993743338918	0.00251257507664696
BRCA	PRMT2	cg10187059	-0.0464499955944058	796	-1.3086312633761	0.191038891417816	0.00215760209072031	0.371458409831726
BRCA	PRMT2	cg10657630	0.0150285168874984	796	0.422987724658222	0.672419041867272	0.000225856319837825	0.810417443915767
BRCA	PRMT2	cg12162201	-0.14778642613107	796	-4.20525534816626	2.90557675242954e-05	0.0218408277485943	0.000331480331248723
BRCA	PRMT2	cg13271076	0.0426084400750383	111	1.41829895441796	0.156385201589389	0.00181547916562813	0.324785903477093
BRCA	PRMT2	cg17243659	-0.0261441417740492	796	-0.735548147586501	0.462223767612425	0.000683516149101584	0.651726948603099
BRCA	PRMT2	cg23283320	-0.110610015621584	794	-3.1281033203236	0.00182394535388593	0.012234575555807	0.0110293046918151
BRCA	PRMT3	cg01769160	-0.0021067876925079	796	-0.0592903927552088	0.952735769662668	4.43855438130276e-06	0.975037248149736
BRCA	PRMT3	cg04101203	-0.0421857480068227	794	-1.18676871012483	0.235675618160343	0.00177963733489515	0.426941916109921
BRCA	PRMT3	cg06578097	-0.0626921894198016	796	-1.76667562285054	0.0776681836921547	0.00393031061424829	0.198734292081291
BRCA	PRMT3	cg13432154	-0.0530566484591865	796	-1.49525249759541	0.135246888492302	0.00281500794572169	0.294049815359272
BRCA	PRMT3	cg13982511	-0.128837427590683	796	-3.65397004069502	0.000275252198494222	0.0165990827481846	0.00227265649858411
BRCA	PRMT3	cg19653624	-0.0853251177660894	796	-2.41005072601369	0.0161773021705011	0.00728037572179702	0.0618426066364599
BRCA	PRMT3	cg23019633	-0.136113500230788	796	-3.86655853433779	0.000119434898411724	0.0185268849450768	0.00112213991389392
BRCA	PRMT3	cg23071995	-0.0300593225578758	796	-0.846326762660315	0.397626117833056	0.000903562872638423	0.594235447328878
BRCA	PRMT6	cg00944433	-0.188824425439158	796	-5.41133561973024	8.29425058880874e-08	0.0356546636424282	1.83359741490704e-06
BRCA	PRMT6	cg02990361	-0.287030956370602	796	-8.43259991221171	1.59164847107762e-16	0.0823867699150221	1.50816931984181e-14
BRCA	PRMT6	cg02993280	-0.16992523276524	796	-4.85269285651998	1.46703581064897e-06	0.0288745847303211	2.39761730784928e-05
BRCA	PRMT6	cg09367891	-0.224685764461362	796	-6.4891368680486	1.52084603241516e-10	0.0504836927515867	5.85416606856533e-09
BRCA	PRMT6	cg14671364	-0.250730010551879	796	-7.28439699138025	7.82258813733654e-13	0.0628655381913455	4.50111258547307e-11
BRCA	PRMT6	cg14828511	-0.210341566529111	796	-6.05499908184396	2.16726571735714e-09	0.0442435746099202	6.72518026390432e-08

BRCA	PRMT6	cg22528358	0.117383806557698	796	3.32647027850195	0.000920065559711953	0.0137789580419751	0.00626262841475472
BRCA	PRMT7	cg00894222	-0.14666375583051	796	-4.17260481132212	3.34463875494129e-05	0.0215102572743116	0.000374571681917069
BRCA	PRMT7	cg02477175	-0.0965606724664735	796	-2.73021622616016	0.00646987595241572	0.00932396346717758	0.0304303222395544
BRCA	PRMT7	cg06089844	-0.0379339569204237	796	-1.06832510489827	0.285699396712888	0.00143898508764056	0.482946890938538
BRCA	PRMT7	cg06092312	0.0223143138031352	796	0.62813685791634	0.530095370272754	0.000497928600504789	0.708082503415958
BRCA	PRMT7	cg06745885	-0.0573424558368074	796	-1.61641946024581	0.106401874366384	0.00328815724139621	0.248932834317474
BRCA	PRMT7	cg09175928	-0.135185091381652	796	-3.83969268499082	0.000133021066952633	0.0182750089318657	0.00122997594291325
BRCA	PRMT7	cg09779635	-0.0669939274782834	796	-1.88962149494152	0.0591735894795459	0.00448818631896549	0.163015632156348
BRCA	PRMT7	cg10233539	0.0904477915642878	796	2.55590261967903	0.0107768925431665	0.00818080299885686	0.0452006297210879
BRCA	PRMT7	cg10446007	-0.0587028879727288	796	-1.65489958214669	0.0983410560031389	0.00344602905633875	0.235243200107875
BRCA	PRMT7	cg11893236	-0.0737139222648984	111	-2.45816042960299	0.014117554885167	0.00543374233567549	0.0556927517614951
BRCA	PRMT7	cg19328639	-0.0877362651646572	796	-2.4786757869989	0.0133943429820718	0.0076976522504304	0.0535376917546356
BRCA	PRMT7	cg21918026	-0.00967836241735495	111	-0.321738743213131	0.747711475396541	9.36706990816688e-05	0.858415717034383
BRCA	PRMT7	cg26492318	-0.149784770803108	796	-4.26341426595587	2.25603544611096e-05	0.0224354775645395	0.000266119820310472
BRCA	PRMT7	cg26561196	-0.124724495917544	796	-3.53768275111112	0.000427150754827406	0.0155561998818854	0.00328130402103715
BRCA	PRMT7	cg26796563	-0.114896535016573	796	-3.25503167557478	0.00118194883260141	0.0132012137588146	0.00771574452323525
BRCA	PRMT8	cg01693063	-0.0737415880824574	796	-2.08093783858949	0.0377603905901756	0.00543782181292282	0.117360440494292
BRCA	PRMT8	cg06029846	-0.0500443981662875	796	-1.4101411182494	0.158890611728751	0.00250444178782592	0.328219231248712
BRCA	PRMT8	cg07912789	-0.0935996708378669	796	-2.64574326673311	0.00831282872571913	0.00876089838095704	0.0370043601446895
BRCA	PRMT8	cg10350722	0.0805708113256363	796	2.27485944373683	0.0231808931111408	0.00649165563767128	0.0814392929317841
BRCA	PRMT8	cg11596580	-0.0653975285783394	796	-1.84439791266992	0.0654984522948676	0.00427683674415472	0.175557697003409
BRCA	PRMT8	cg19656577	-0.0859306643041353	796	-2.42728147648439	0.0154344476120694	0.00738407906774999	0.0596989177872488
BRCA	PRMT8	cg21667836	0.0573079017039078	111	1.90900206615554	0.0565204153363277	0.00328419559770476	0.157651594679251
BRCA	PRMT8	cg23739862	-0.0610395409332585	111	-2.03375852259	0.042214248305581	0.00372582555734295	0.127356520308864
BRCA	PRMT8	cg24100636	-0.139914260332882	796	-3.97665216110932	7.62895274879047e-05	0.0195760002444974	0.000763130706106989
BRCA	PRMT8	cg27316886	-0.180628656071597	796	-5.16835332542463	2.99215876464982e-07	0.0326267113942314	5.80623594255844e-06
BRCA	PWWP2E	cg00259755	-0.030762872734974	111	-1.02355232196969	0.30627059358678	0.000946354338908206	0.504724284147989
BRCA	PWWP2E	cg05010219	-0.0340749163367508	796	-0.959510353091872	0.337594528147886	0.00116109992335657	0.537039214828061
BRCA	PWWP2E	cg15012692	0.0276874426658137	796	0.779492539195273	0.435922490116944	0.00076659448137272	0.629061158998646
BRCA	PWWP2E	cg15278699	-0.138272027702364	796	-3.92906121644965	9.27240320470466e-05	0.0191191536449233	0.000902687191724183
BRCA	PWWP2E	cg17803807	-0.111373531569134	315	-1.97956442691502	0.0486311132569208	0.012404063534181	0.141338544652329
BRCA	PWWP2E	cg19919881	0.0434449185943909	796	1.22380387165783	0.221390170588448	0.00188746095167326	0.40975511350299
BRCA	PWWP2E	cg22633292	-0.0883641167101785	796	-2.49655258700164	0.0127428661355729	0.00780821712197005	0.0515640326736414
BRCA	PWWP2E	cg22664157	-0.0101767613959057	796	-0.286414284054481	0.774635739449171	0.000103566472509197	0.875083946091106
BRCA	PWWP2E	cg24520806	-0.242641010961816	796	-7.03887194104377	4.2027185056939e-12	0.0588746602005719	2.14110205259955e-10
BRCA	PYGO1	cg06364757	-0.23700284547803	796	-6.86545527899981	1.33908831547842e-11	0.0561703487646828	6.2192857560793e-10
BRCA	PYGO1	cg09275667	-0.198995720187962	796	-5.71452441018666	1.55737568364331e-08	0.0395992966531257	4.08891272134148e-07
BRCA	PYGO1	cg11480800	-0.223627365610295	796	-6.45695617090614	1.86193500552026e-10	0.0500091986498006	7.05540047829727e-09
BRCA	PYGO1	cg12686317	-0.164813667775498	796	-4.7025767991723	3.0301246816444e-06	0.0271635450856121	4.55332276383706e-05
BRCA	PYGO1	cg13878116	-0.0967877673643373	796	-2.73669789609927	0.00634496997976967	0.00936787191137308	0.0299738858302541
BRCA	PYGO1	cg17841803	-0.175658129417507	796	-5.02153667703619	6.33631727877812e-07	0.0308557784304578	1.14235797540038e-05
BRCA	PYGO1	cg19850348	-0.165358025010624	111	-5.57600357364702	3.09188340976186e-08	0.027343276435414	7.60208527114457e-07
BRCA	PYGO1	cg22510134	-0.0353454101657375	796	-0.995329939437463	0.319879813754866	0.00124929801978422	0.519275702834732
BRCA	PYGO1	cg23030278	-0.213316322990642	796	-6.14468451778517	1.26820784202626e-09	0.0455038536542478	4.11765279059227e-08
BRCA	PYGO1	cg23412777	-0.0227129022190284	111	-0.755548320726668	0.450080924274496	0.000515875927211147	0.6410750393286
BRCA	PYGO1	cg25902187	-0.166835307016387	796	-4.76190082222045	2.28033798345003e-06	0.0278340196672521	3.54580477882294e-05
BRCA	PYGO2	cg01277844	-0.036123825319837	111	-1.20213943553319	0.229566827386897	0.0013049307557381	0.419617522785156
BRCA	PYGO2	cg02341811	-0.14965911149849	796	-4.25975556801432	2.2924363309166e-05	0.0223978496545175	0.000269922995128684
BRCA	PYGO2	cg04602755	-0.0699215046948278	796	-1.97259349500135	0.0488893338150162	0.00488901681878883	0.141904006844591
BRCA	PYGO2	cg10892866	0.00776632593233332	111	0.258289216026001	0.796231763572311	6.0315818487233e-05	0.888445572350281
BRCA	PYGO2	cg14024356	0.0464056846537751	796	1.30738020006717	0.191463024107111	0.00215348756818562	0.371911072566857
BRCA	PYGO2	cg18188585	-0.242873777240816	796	-7.04604741451679	4.00384483970002e-12	0.0589876716712214	2.04783106811061e-10
BRCA	PYGO2	cg24683561	-0.158944290279876	796	-4.53068491559988	6.78526420164257e-06	0.0252632874125736	9.29645726140511e-05
BRCA	PYGO2	cg27105205	-0.106158283083927	796	-3.0045368086418	0.00274370045719562	0.0112695810673273	0.0153379874509253
BRCA	RBBP4	cg05797186	-0.26782812756152	796	-7.82315732717679	1.64607072999701e-14	0.0717319059131098	1.2046512358362e-12
BRCA	RBBP4	cg06526778	-0.203561402141848	796	-5.85123780643902	7.13902915549914e-09	0.0414372444419551	2.01368250225852e-07
BRCA	RBBP4	cg09036220	-0.166177070015273	796	-4.74257843550906	2.50241734162572e-06	0.0276148185988609	3.84805405563217e-05

BRCA	RBBP4	cg11229946	0.0834514582757287	796	2.3567529336716	0.0186780710522749	0.00696414588834568	0.0690543607756236
BRCA	RBBP4	cg13641837	0.00983299699787388	793	0.276213820340515	0.782456176385423	9.66878299601968e-05	0.879807992740259
BRCA	RBBP4	cg16148416	-0.0784950371681703	796	-2.21588325437736	0.0269830866390619	0.00616147086003243	0.0912106648995906
BRCA	RBBP4	cg16396527	-0.0701736460114951	796	-1.97974192853053	0.0480783345370192	0.00492434059454662	0.140198139177332
BRCA	RBBP4	cg18758482	-0.033651268823398	111	-1.11925391346542	0.263275065017324	0.0011324078934246	0.458694724243896
BRCA	RBBP4	cg20740619	0.129416855456944	796	3.67300208045413	0.000255831437756298	0.0167487224763636	0.00213382125751189
BRCA	RBBP4	cg22358606	0.0914658846485467	796	2.58491357483135	0.00991806655666559	0.00836600805454125	0.0423341180630264
BRCA	RBBP4	cg22857567	-0.0334189627727167	796	-0.941018602321026	0.346982248828768	0.00111682707280422	0.546264966717635
BRCA	RBBP4	cg23016766	-0.0709656341007846	796	-2.00219799108289	0.0456039739134535	0.00503612122332645	0.13490438613671
BRCA	RBBP4	cg26131911	-0.0186830435114891	111	-0.621442567989646	0.534436533337959	0.000349056114852196	0.711174213141978
BRCA	RBBP5	cg00960017	-0.0189535207117131	796	-0.533495187434213	0.593840522898692	0.000359235947369339	0.755696356055435
BRCA	RBBP5	cg02189925	0.318666958746833	796	9.46133323523732	3.37476315550541e-20	0.101548630596955	4.61399516554285e-18
BRCA	RBBP5	cg03143531	-0.0866119525535638	796	-2.44667068848546	0.0146346505753627	0.00750163032514078	0.0572708892227863
BRCA	RBBP5	cg05290904	-0.0576671113604646	111	-1.92100761537236	0.0549875728121653	0.00332549573266022	0.154621463342736
BRCA	RBBP5	cg07601985	0.326831323554164	796	9.73232169824961	3.20438714235051e-21	0.106818714056166	4.69457802922816e-19
BRCA	RBBP5	cg07972983	0.160853419685649	796	4.58654101997078	5.23654598987505e-06	0.0258738226245677	7.41080332429215e-05
BRCA	RBBP5	cg14717946	0.00677210077087047	111	0.225222064072173	0.821848132010566	4.58613488508244e-05	0.904386593830712
BRCA	RBBP5	cg18131828	-0.0187975345295506	796	-0.529103000037838	0.596882255820597	0.000353347304389647	0.757918194879744
BRCA	RBBP5	cg21214746	-0.124796166855224	796	-3.5397477755771	0.000423874571409549	0.0155740832617569	0.00326064455732566
BRCA	RBBP5	cg23227967	-0.0418159349272212	796	-1.17783493655398	0.239216211872727	0.00174857241383759	0.431055661802899
BRCA	RBBP5	cg24103461	-0.090472916005276	796	-2.55661845269656	0.0107549285964856	0.00818534853049773	0.0451302074132908
BRCA	RBBP5	cg26795850	-0.185426343558592	796	-5.31045285683862	1.42176020586516e-07	0.034382928885509	2.98366370259169e-06
BRCA	RBBP7	cg01947226	-0.148663491085178	796	-4.23077451883873	2.60122007052672e-05	0.0221008335816329	0.000301191577621492
BRCA	RBBP7	cg03048084	-0.0357967464637993	796	-1.00805581453938	0.313735540124556	0.00128140705739353	0.512811333538886
BRCA	RBBP7	cg03171708	-0.113906671212936	796	-3.22661846780194	0.00130410132068413	0.0129747297468119	0.00837056585324267
BRCA	RBBP7	cg03811055	-0.0903065032881039	796	-2.55187719631265	0.0109011504788172	0.00815526453612432	0.0456109342413329
BRCA	RBBP7	cg07096248	-0.0450655674848056	796	-1.26954730816991	0.20461883733467	0.00203090537272757	0.388773475898076
BRCA	RBBP7	cg08363715	-0.0497462109521614	796	-1.40171795095297	0.161391254493564	0.00247468550409694	0.331649926092197
BRCA	RBBP7	cg14719055	-0.252622710407436	111	-8.68300127478404	1.36175565062895e-17	0.0638182338135992	1.44244235712055e-15
BRCA	RBBP7	cg15289846	-0.0792171527267216	796	-2.23639642626034	0.0256035042186435	0.00627535728612874	0.0877328550052924
BRCA	RBBP7	cg15464143	-0.202542462390635	796	-5.82069284563394	8.50994192941519e-09	0.0410234490712619	2.36436579448902e-07
BRCA	RBBP7	cg16978043	-0.0391222594218008	796	-1.10184150821511	0.270865306964814	0.00153055118226668	0.467066290369517
BRCA	RBBP7	cg17878446	-0.137884571289212	796	-3.91783778864177	9.7061167013694e-05	0.0190121549996097	0.000939618768872985
BRCA	RBBP7	cg17880859	-0.0421790978969239	111	-1.40398192313721	0.160604960798651	0.00177907629939829	0.330514319887051
BRCA	RBBP7	cg21122900	-0.147080961526585	796	-4.18473644204136	3.17459857585117e-05	0.0216328092435847	0.000358127496533883
BRCA	RING1	cg01241018	-0.0441735582796583	796	-1.24436878679738	0.213731986806127	0.00195130325108637	0.400285670508832
BRCA	RING1	cg01878788	-0.0469564798778449	796	-1.32293175770187	0.186239899796244	0.00220491100251845	0.36515731443277
BRCA	RING1	cg02475416	0.0142128129007638	796	0.400024415043677	0.689246399229819	0.000202004050552118	0.821333177251232
BRCA	RING1	cg03037740	0.0762810638894458	796	2.15301253971832	0.0316190258768282	0.00581880070810571	0.102644404067016
BRCA	RING1	cg06316695	-0.025577421399517	796	-0.719593291075769	0.47198799391009	0.000654204485448473	0.660107759209002
BRCA	RING1	cg06671577	-0.132253556286071	796	-3.75492858737043	0.000186082357188448	0.0174910031503128	0.00163313299809546
BRCA	RING1	cg07946923	-0.0105130593925873	796	-0.295880068191664	0.767399232562085	0.000110524417792068	0.871162968391531
BRCA	RING1	cg08892712	-0.0626598213383807	796	-1.76687569311193	0.0776341508878227	0.00392625321015779	0.198666813623924
BRCA	RING1	cg09478665	-0.0372078260653455	796	-1.04784662493708	0.295028937873959	0.001384422320509	0.492901838178996
BRCA	RING1	cg09724776	0.000231601827001711	796	0.00651785333104325	0.994801183624547	5.36394062705306e-08	0.99732674302986
BRCA	RING1	cg09832551	-0.0737139407157127	796	-2.08015338524366	0.037832466002531	0.0054337450558396	0.117532800615027
BRCA	RING1	cg09869033	-0.0645183949837281	796	-1.81949947435684	0.0692126834128791	0.00416262329127635	0.182831317075765
BRCA	RING1	cg10265934	0.0446928946668081	796	1.25902759890605	0.208391316034714	0.0019974548336984	0.393586752437441
BRCA	RING1	cg12065531	0.276805276648916	796	8.10675404060233	1.96949219222915e-15	0.0766211611806826	1.61448551741069e-13
BRCA	RING1	cg12115664	-0.0762401151573698	796	-2.1518500136927	0.0317108244025846	0.00581255515920901	0.102839414439497
BRCA	RING1	cg12256228	0.0841004097898266	111	2.8068356814824	0.00509092413751704	0.00707287892681676	0.0251456096732699
BRCA	RING1	cg14046664	-0.0640764546911527	796	-1.80698464459098	0.0711440546926621	0.00410579204578735	0.186544224300143
BRCA	RING1	cg14363494	0.252693004982627	111	8.68165471430844	1.37844225788628e-17	0.0638537547671499	1.45699099198377e-15
BRCA	RING1	cg18189601	0.0621578355194716	111	2.07022532099254	0.0386631214294366	0.00386359651646568	0.119431340076302
BRCA	RING1	cg20505183	-0.0726221116769825	796	-2.04917817950914	0.0407736695867713	0.00527397110442412	0.124073806056456
BRCA	RING1	cg24536938	-0.0458798353977558	796	-1.29253410051477	0.196549202084099	0.00210495929612517	0.378661432068609
BRCA	RING1	cg24550302	-0.0701211611061878	796	-1.97825390279094	0.0482462132501691	0.00491697723487994	0.140534060826228

BRCA	RNF17	cg00202166	-0.310192236807016	796	-9.18252174710833	3.60414750833891e-19	0.0962192237753396	4.43640903898287e-17
BRCA	RNF17	cg01405147	-0.048396720877506	796	-1.36360233390221	0.17308020711894	0.00234224259169522	0.347961560706275
BRCA	RNF17	cg07131398	-0.181083908888664	756	-5.04927125341228	5.56930798701145e-07	0.032791382058398	1.01799517279504e-05
BRCA	RNF17	cg12020676	-0.0983815282118312	796	-2.782198707575	0.00552762234682213	0.00967892509329533	0.0268743111585952
BRCA	RNF17	cg14855529	-0.0733774153757925	796	-2.07060535997995	0.0387191763876257	0.00538424508723159	0.1195522765588
BRCA	RNF17	cg15523998	-0.146166519712623	796	-4.1581490040925	3.55857803257802e-05	0.0213646514849005	0.000396071570531628
BRCA	RNF17	cg17806989	-0.298596844820495	111	-10.4049919509347	2.96770991040058e-24	0.0891600757367545	5.60364137790541e-22
BRCA	RNF17	cg20477497	-0.124597428274388	796	-3.53402174301371	0.000433017278649228	0.0155245191325912	0.00331850518916738
BRCA	RNF17	cg21831927	-0.0937091565003409	796	-2.64886545394635	0.00823710572007722	0.00878140601200538	0.0367429703203949
BRCA	RNF17	cg23678722	-0.108009134056277	796	-3.05753333821671	0.00230671515913999	0.0116659730395869	0.0133458723107345
BRCA	RNF17	cg24753530	-0.161146052384336	796	-4.59510733656325	5.03132120651661e-06	0.0259680501990552	7.16206041975761e-05
BRCA	RNF20	cg04845236	-0.0735267486621004	796	-2.07484221295682	0.0383235462466778	0.00540618276881969	0.118594293993956
BRCA	RNF20	cg14625770	0.213082791229683	796	6.13763737143713	1.32307250020325e-09	0.0454042759182327	4.27793441732383e-08
BRCA	RNF20	cg21219529	0.148691645055384	796	4.23159385837546	2.5919702963061e-05	0.0221092053092764	0.000300372020305135
BRCA	RNF217	cg00991794	-0.354131285535272	796	-10.6567401616196	7.15038855393029e-25	0.125408967394865	1.44482422640118e-22
BRCA	RNF217	cg02312409	-0.352999499623561	796	-10.6178247839464	1.03037907910875e-24	0.124608646734485	2.06591005361304e-22
BRCA	RNF217	cg03113502	-0.234829737604644	796	-6.79881309334036	2.07671842987729e-11	0.055145005663466	9.26886021422109e-10
BRCA	RNF217	cg06993703	-0.350309733927379	796	-10.5255528605463	2.44065503189842e-24	0.122716909684271	4.6765595456036e-22
BRCA	RNF217	cg07439975	-0.257365542895505	796	-7.49539745437738	1.77095518282955e-13	0.0662370226698979	1.12925973354952e-11
BRCA	RNF217	cg10621825	-0.321151743653376	796	-9.54355477654627	1.66095996656355e-20	0.103138442451604	2.3073699935508e-18
BRCA	RNF217	cg16203203	-0.416034915776092	796	-12.8754361529344	1.39710614256423e-34	0.17308505114482	4.66465559032796e-32
BRCA	RNF217	cg17382198	-0.376265205017848	796	-11.4289306854873	4.16603653971948e-28	0.141575504507123	1.03543976540236e-25
BRCA	RNF217	cg18192252	-0.37464090430456	796	-11.3715173156432	7.34100945571926e-28	0.140355807178138	1.79586946414536e-25
BRCA	RNF217	cg19171596	-0.331720551991304	796	-9.89576484495717	7.55700014770245e-22	0.110038524613416	1.1687659433208e-19
BRCA	RNF217	cg19478500	-0.330576819351921	796	-9.85745124097899	1.062027378361e-21	0.109281033492832	1.61998740925912e-19
BRCA	RNF217	cg20034100	0.337583398656535	110	11.910851179873	7.39588198212778e-31	0.113962551048497	2.12308207718689e-28
BRCA	RNF217	cg23521835	-0.379106434603151	796	-11.5296540043313	1.53460647515014e-28	0.143721688757514	3.9400388161e-26
BRCA	RNF217	cg24822696	-0.21061364908451	796	-6.06319469547409	2.06427827355392e-09	0.0443581091806931	6.4364113832807e-08
BRCA	RPA3	cg26322315	-0.0730392747007997	315	-1.29358589957302	0.19676534852985	0.00533473564881888	0.378915471151295
BRCA	RPH3A	cg00851732	0.0189469594442234	796	0.533310437489746	0.593968324992773	0.000358987272181046	0.755735368069213
BRCA	RPH3A	cg00854817	-0.0809985032044475	796	-2.28701455536822	0.0224579575911571	0.00656075752136089	0.0794278210968574
BRCA	RPH3A	cg01119407	-0.0083488663784795	796	-0.234817731713426	0.814410975992691	6.97035698057054e-05	0.900137522634679
BRCA	RPH3A	cg01573562	-0.048387425303211	111	-1.61108735743267	0.107446008022675	0.00234134292747382	0.250829874808425
BRCA	RPH3A	cg05967001	-0.045055606654861	796	-1.26926612962102	0.204719019323134	0.00203000769103756	0.388851046570549
BRCA	RPH3A	cg08254200	0.014129491945144	796	0.397678848976579	0.690974090201082	0.000199642542627888	0.822433490654255
BRCA	RPH3A	cg09384610	-0.0592037313893374	796	-1.6690683667697	0.0954990344198537	0.00350508181042082	0.23041441192377
BRCA	RPH3A	cg11596863	-0.0344050245962876	796	-0.968816784268425	0.332932368540745	0.00118370571747116	0.532594714327927
BRCA	RPH3A	cg16403344	-0.0465701774546635	796	-1.31202448503954	0.189892017382359	0.00216878142815884	0.369949884683356
BRCA	RPH3A	cg17453780	-0.0674375103770566	796	-1.9021901048746	0.0575088228420741	0.00454781780585561	0.159637515224846
BRCA	RPH3A	cg18629535	-0.0218534050244882	796	-0.615156240023903	0.538628250842847	0.000477571311164326	0.714284065698454
BRCA	RPH3A	cg19712198	-0.0150586617385778	796	-0.42383636403233	0.671800239840869	0.000226763293356907	0.809950063668045
BRCA	RPH3A	cg20704159	0.00200116426623988	796	0.0563178672412257	0.95510278969048	4.00465842047541e-06	0.97610554571028
BRCA	RPH3A	cg21900624	-0.0376587171285631	796	-1.06056254245621	0.289212063619901	0.00141817897576913	0.48672716662513
BRCA	RPH3A	cg23199238	-0.0196650641667354	789	-0.551079412194245	0.581736044145417	0.00038671474868182	0.74709970833204
BRCA	RPH3A	cg23549179	0.144593475737974	796	4.11243811855963	4.32405266047119e-05	0.020907273225988	0.000468177247973132
BRCA	RPH3A	cg23596620	-0.00458955782001022	796	-0.129162966331753	0.897261492670489	2.1064040983217e-05	0.945641122108747
BRCA	RTF1	cg04910470	-0.151678360209173	796	-4.31857373981708	1.76977628329743e-05	0.0230063249557437	0.00021542477888099
BRCA	RTF1	cg07091958	-0.0948052094260126	111	-3.16716226815759	0.00158147258136447	0.00898802773431012	0.00982503417941765
BRCA	RTF1	cg07129439	0.162754490677051	796	4.64221387167716	4.03365869481116e-06	0.0264890242355463	5.8840135853017e-05
BRCA	RTF1	cg15581235	-0.0299731964850562	796	-0.843899680748052	0.398980282319976	0.000898392507531785	0.59560700189592
BRCA	RTF1	cg18782716	0.0970047396597466	796	2.74289105298039	0.00622765942583273	0.00940991951645521	0.0295411303276361
BRCA	RTF1	cg22263512	0.167490693714087	796	4.78114604561015	2.07805870103496e-06	0.0280531324808261	3.26784917300008e-05
BRCA	RTF1	cg24280607	0.0965221627697272	796	2.72911713742256	0.00649127451173388	0.00931652790574572	0.0305162079626435
BRCA	RTF1	cg27576415	0.101229744632068	796	2.86356746766874	0.00429967272882615	0.0102474611982738	0.0220043905181436
BRCA	SATB1	cg01069104	-0.274441960200729	796	-8.03187596377667	3.47084479584275e-15	0.0753183895188187	2.75521326579378e-13
BRCA	SATB1	cg01373248	0.313950636134309	796	9.30586505331379	1.27274464158749e-19	0.0985650019291375	1.6447158911571e-17
BRCA	SATB1	cg04004754	-0.07472345005158	796	-2.10879986879046	0.0352752658004809	0.00558359398761097	0.111485030578209

BRCA	SATB1	cg14415616	-0.328027938963595	796	-9.77224196777699	2.25550257407795e-21	0.107602328740704	3.3613901771613e-19
BRCA	SATB1	cg19818826	-0.24686709771579	795	-7.16482455035149	1.78561710786733e-12	0.0609433639346174	9.77553112522387e-11
BRCA	SATB1	cg26131754	-0.301184844232967	796	-8.88883918793606	4.11155907854685e-18	0.0907123103956366	4.59561245627117e-16
BRCA	SATB1	cg26768584	0.199191196271394	796	5.72036967122034	1.50678709056482e-08	0.0396771326720289	3.96944283091367e-07
BRCA	SCML2	cg00457389	-0.181037397827036	796	-5.18044454808898	2.81050536143457e-07	0.0327745394119846	5.48934105165556e-06
BRCA	SCML2	cg04189389	-0.199276180925469	796	-5.72291116283574	1.48529359749917e-08	0.0397109962842404	3.92083237610623e-07
BRCA	SCML2	cg05049545	-0.237923745392716	796	-6.89372916274054	1.11040403843751e-11	0.0566077086216979	5.22898134178012e-10
BRCA	SCML2	cg06131666	-0.215982033871755	796	-6.22520461542445	7.7936508098097e-10	0.0466482389553798	2.63150725303097e-08
BRCA	SCML2	cg08300622	-0.255164888693256	111	-8.77643248333295	6.28748594287039e-18	0.0651091204218415	6.87944699633838e-16
BRCA	SCML2	cg17710066	-0.157358088996344	796	-4.48431652677326	8.3958343934697e-06	0.0247615681725815	0.000112127989837868
BRCA	SCML2	cg17727916	-0.236342906559567	796	-6.84520560348065	1.53067068063701e-11	0.0558579694810241	6.99218995475487e-10
BRCA	SCML2	cg22823767	-0.30968531547539	796	-9.16592223787672	4.14266285508517e-19	0.0959049946210921	5.05132153837767e-17
BRCA	SCML2	cg26246138	-0.175491439724306	111	-5.92824550279002	4.08733940083143e-09	0.0307972454165096	1.20397758935358e-07
BRCA	SCML4	cg00977377	0.0451947231471026	796	1.27319320358448	0.203323063140174	0.00204256300034326	0.387166847161275
BRCA	SCML4	cg03500965	-0.421244234014696	762	-12.7875265621179	4.80830606975695e-34	0.177446704690628	1.57166958987678e-31
BRCA	SCML4	cg05603896	-0.31304907612467	796	-9.27623371188387	1.63596067771009e-19	0.0979997240625091	2.09667092194034e-17
BRCA	SCML4	cg08792995	-0.228222064473485	796	-6.59683457649004	7.67831648619924e-11	0.0520853107125398	3.13392944767777e-09
BRCA	SCML4	cg17388996	-0.0802283404595617	796	-2.26512724704583	0.0237742356563301	0.00643658661289535	0.0830076248215316
BRCA	SCML4	cg23503775	-0.348101079708104	796	-10.4500074966529	4.92414705516937e-24	0.121174361693948	9.0560069978687e-22
BRCA	SCML4	cg27353361	-0.0629228649253839	795	-1.77320188636754	0.0765800037064059	0.00395928693041811	0.196862891029547
BRCA	SCML4	cg27659622	-0.188099341336279	796	-5.38979244325799	9.31277971901648e-08	0.035381362211142	2.0333381573426e-06
BRCA	SETD1A	cg26692825	-0.16967049165992	796	-4.84520220457813	1.52182323944668e-06	0.0287880757401189	2.47519793204087e-05
BRCA	SETD6	cg01152986	-0.157153658850939	796	-4.47834315096222	8.62818707441551e-06	0.0246972724902372	0.000114797534678823
BRCA	SETD6	cg01472538	-0.250507052168612	795	-7.27748552278937	8.20737891977662e-13	0.0627537831862078	4.69819599473953e-11
BRCA	SETD6	cg01773760	0.0609538124734272	796	1.71858789941845	0.0860802324425745	0.00371536725504573	0.21399436304086
BRCA	SETD6	cg02549819	-0.14264121486798	786	-4.03006603113744	6.12108553556824e-05	0.0203465161790132	0.000633728677340957
BRCA	SETD6	cg05502081	0.0171675108718677	796	0.483207792878355	0.629081751161683	0.000294723429535696	0.780996229770387
BRCA	SETD6	cg09132913	-0.0590914556042987	796	-1.66589199215843	0.0961303632344679	0.0034918001254348	0.231506840772132
BRCA	SETD6	cg19824325	-0.0619280451528244	111	-2.06347548297998	0.0393003860828354	0.00383508277645026	0.120934070445319
BRCA	SETD6	cg26666090	-0.0391775857723344	796	-1.10340211631392	0.270187721585857	0.00153488322694862	0.466245834344962
BRCA	SETD7	cg05316864	0.000979595856601422	796	0.0275682842917431	0.978013422332607	9.59608042270674e-07	0.988611956561107
BRCA	SETDB1	cg02060408	-0.411766670277891	796	-12.7162045375199	7.63697101169727e-34	0.169551790751741	2.45500216067759e-31
BRCA	SETDB1	cg08531528	0.0591635133657872	796	1.6679305583944	0.0957247991143823	0.00350032131378368	0.230794490246831
BRCA	SETDB1	cg10589385	-0.175963889528867	796	-5.03055647745228	6.0541604816341e-07	0.0309632904181271	1.09529618722847e-05
BRCA	SETDB1	cg10961700	-0.186292418792216	795	-5.33277628098616	1.26330774973402e-07	0.0347048652994543	2.68665290002209e-06
BRCA	SETDB1	cg12082615	-0.0165158968458912	111	-0.549337144382627	0.5828849944531	0.000272774848624117	0.747984880035243
BRCA	SETDB1	cg15448220	-0.224913723531731	796	-6.49607114175956	1.4557945415883e-10	0.050586183032908	5.62807519398397e-09
BRCA	SETDB1	cg16370685	-0.294176882474187	788	-8.61830410243591	3.72114545891565e-17	0.0865400381822315	3.7693071592563e-15
BRCA	SETDB1	cg17899625	0.0197354981419561	796	0.555514343223499	0.578699777821747	0.000389489886911152	0.744897505102255
BRCA	SETDB1	cg17918089	0.0402964217965995	111	1.34121047883067	0.180127475689367	0.00162380160960946	0.357187857657939
BRCA	SETDB1	cg19689029	-0.345375092958206	796	-10.3570399476192	1.16203780911952e-23	0.11928395483589	2.07338461749184e-21
BRCA	SETDB1	cg26820223	-0.160652075506973	796	-4.58064773830594	5.38236952342288e-06	0.0258090893646982	7.59093645223276e-05
BRCA	SETMAR	cg00300090	-0.00624992718965522	796	-0.175891977272334	0.860423770254082	3.90615898759916e-05	0.925844872998134
BRCA	SETMAR	cg02520519	0.0173813953321912	796	0.489229730452686	0.624814520877131	0.00030211290369392	0.7778547762551
BRCA	SETMAR	cg06021447	-0.0726639137391798	796	-2.05036396754193	0.0406576008593998	0.00528004435989497	0.12379324466756
BRCA	SETMAR	cg06267913	-0.142390786822271	796	-4.0484838924662	5.66130278859486e-05	0.0202751361718654	0.000591082256255467
BRCA	SETMAR	cg14751177	-0.0922800535089486	796	-2.60811950817027	0.00927563335482557	0.00851560827561441	0.040231301360688
BRCA	SETMAR	cg14961031	-0.0830992282718795	796	-2.34673628850828	0.0191841512881555	0.00690548173938194	0.0704505571011961
BRCA	SETMAR	cg15232450	0.0315526484146551	111	1.0498558549029	0.294013734756006	0.000995569621978835	0.49178565472597
BRCA	SETMAR	cg15384599	-0.0194247038443209	111	-0.645828928510254	0.518524239960889	0.000377319119439576	0.699330363958971
BRCA	SETMAR	cg16423812	-0.0191487260524513	796	-0.538991744853038	0.590044020851836	0.000366673709431827	0.753070145163449
BRCA	SETMAR	cg21901604	-0.08689917199678	796	-2.45484588253991	0.0143085483589209	0.00755146609372595	0.0562949077547107
BRCA	SETMAR	cg22149154	-0.0626016945060704	796	-1.7652301865247	0.0779104054459543	0.00391897215503136	0.199133097940454
BRCA	SETMAR	cg23182840	-0.117534785494336	796	-3.33080867527274	0.000906042720779177	0.0138144258011996	0.00618938245699818
BRCA	SETMAR	cg23549342	-0.146767494587204	796	-4.17562114473728	3.30156915359613e-05	0.0215406974674049	0.000370409966447732
BRCA	SETMAR	cg24390964	-0.0740819037291435	796	-2.09059418999312	0.0368827119078692	0.00548812846013409	0.115314431724169
BRCA	SETMAR	cg26797270	-0.0802310206961484	796	-2.2652034097713	0.0237695414740932	0.0064370166819458	0.0830031291597116

BRCA	SETMAR	cg27265118	-0.0113563514054298	796	-0.31961668257509	0.749343226047421	0.000128966717243607	0.859583982292538
BRCA	SFMBT2	cg09060610	-0.117068384103969	796	-3.31740733305336	0.000950011839004236	0.0137050065567143	0.00643045514691513
BRCA	SFMBT2	cg12328063	-0.153093622466472	796	-4.35983148566445	1.47330673516382e-05	0.0234376572399067	0.000183559295572284
BRCA	SFMBT2	cg20299663	-0.194591970102378	796	-5.58302705768545	3.24832363065713e-08	0.0378660348283246	7.92908969323315e-07
BRCA	SFMBT2	cg25291138	-0.211958982234471	796	-6.10374025341362	1.62106898607144e-09	0.0449266101498728	5.15574164768771e-08
BRCA	SHPRH	cg00571935	-0.105447255288163	796	-2.9841859513841	0.00293074824426679	0.011119123647807	0.0161629539851475
BRCA	SHPRH	cg02758840	0.0117376215275662	796	0.330348707119538	0.741223858803988	0.000137771759124386	0.854392899923449
BRCA	SHPRH	cg06708562	0.0939289683364459	796	2.65513408995067	0.00808693588349166	0.00882265109274906	0.0362269997516383
BRCA	SHPRH	cg11387577	-0.0249798209970132	796	-0.703213910464627	0.482129111039284	0.00062399145704282	0.669213718448953
BRCA	SHPRH	cg11675148	-0.0209927013825437	796	-0.590917205473267	0.554744488623875	0.000440693511336651	0.726358763885588
BRCA	SHPRH	cg12989205	0.0993427582560197	796	2.80965161279686	0.00508177139193692	0.00986898361791397	0.0251084788170438
BRCA	SHPRH	cg14102550	-0.00413935315121098	796	-0.116492721547151	0.907291586101507	1.71342445104403e-05	0.950929408254256
BRCA	SHPRH	cg15443174	0.189608760479629	796	5.43646955203263	7.31381113112917e-08	0.0359514820506214	1.63826842250234e-06
BRCA	SHPRH	cg16339435	0.0420373023941633	796	1.18408123208133	0.236736146859981	0.00176713479257833	0.428076332707046
BRCA	SHPRH	cg18099523	-0.0923642947970561	796	-2.61052090468653	0.0092113247438562	0.00853116295335748	0.0400215468932448
BRCA	SHPRH	cg26814539	0.0860294226549029	796	2.43009188942255	0.0153161811729522	0.00740106156233592	0.05934390866464
BRCA	SHPRH	cg27398948	-0.0080270403754924	796	-0.225908218223649	0.82133109000131	6.44333771897852e-05	0.904115112931239
BRCA	SIN3A	cg01088093	-0.0451814602714094	796	-1.27281880700676	0.203455849598948	0.00204136435225694	0.387311531258877
BRCA	SIN3A	cg01664094	0.0669937642682375	796	1.88961687070708	0.0591742092765908	0.00448816445082817	0.163015632156348
BRCA	SIN3A	cg02028562	-0.159024261872658	796	-4.53302362277346	6.71242609502253e-06	0.0252887158641437	9.20314549940399e-05
BRCA	SIN3A	cg07544511	-0.0425470972923026	796	-1.19846671088814	0.231093863072514	0.00181025548800067	0.421556910000073
BRCA	SIN3A	cg10483776	0.0534461930197764	796	1.50626205017949	0.132398638489633	0.00285649554830719	0.289766689752641
BRCA	SIN3A	cg11184237	-0.210346896874292	796	-6.0551596272376	2.16520093587869e-09	0.0442458170246441	6.72518026390432e-08
BRCA	SIN3A	cg15851274	-0.133291152102893	796	-3.78491864047527	0.00016536554262025	0.0177665312289166	0.00148020331637323
BRCA	SIN3A	cg22059910	0.125740729464848	796	3.56696833169142	0.000382829131994945	0.0158107310463521	0.00299435044182734
BRCA	SIN3A	cg25697800	-0.15250515717377	796	-4.34312097573688	1.58716741554675e-05	0.0232625077146948	0.000195645859491434
BRCA	SIN3B	cg06815056	-0.169420828139816	796	-4.83786182914358	1.57742041659937e-06	0.0287034170075812	2.55920425211535e-05
BRCA	SIRT1	cg02720207	-0.173246905558581	796	-4.95045883745149	9.04998007722234e-07	0.0300144902856238	1.56835408805399e-05
BRCA	SIRT1	cg03211233	-0.0948960336491013	796	-2.68271770952095	0.00745491456817322	0.00900525720233136	0.0340145233968603
BRCA	SIRT1	cg07832903	-0.172994581439391	796	-4.93990459656266	9.54065859589731e-07	0.02992712520739	1.6427755291996e-05
BRCA	SIRT1	cg10582690	-0.125865898593029	796	-3.57057621349425	0.000377677100993347	0.0158422244286307	0.00296378049455326
BRCA	SIRT1	cg10705386	-0.128356743048665	796	-3.64240872649538	0.000287679975239409	0.016475453486061	0.00235899399112202
BRCA	SIRT1	cg19192316	0.178603373452264	111	6.03680188819788	2.14283408417049e-09	0.031899165008529	6.66531926205354e-08
BRCA	SIRT1	cg19681528	-0.0103423705448795	796	-0.291075674602829	0.771069653237224	0.000106964628487591	0.873125535117432
BRCA	SIRT1	cg19980381	-0.0196202596317428	796	-0.552269359475271	0.58091963085737	0.000384954588016998	0.746581341487448
BRCA	SIRT1	cg25513531	-0.0340836314182195	796	-0.959756045119331	0.337470908396632	0.00116169393065304	0.536983113990077
BRCA	SIRT4	cg04118464	-0.112385162133313	772	-3.13436606061933	0.00178777393514637	0.0126304246677309	0.0108459865484502
BRCA	SIRT4	cg07106325	0.00854020286101959	796	0.240351377729985	0.810120066382526	7.29350649073672e-05	0.89741725661673
BRCA	SIRT4	cg08264848	-0.0633834284123093	794	-1.78510353231877	0.0746281044213458	0.00401745899729833	0.193140781641245
BRCA	SIRT4	cg12124973	-0.0749587380416637	796	-2.11547748507282	0.0347008801825636	0.00561881240879877	0.110117082313781
BRCA	SIRT4	cg20010714	-0.104885941397901	796	-2.96812343837827	0.00308653560382134	0.0110010607029239	0.0168418286290017
BRCA	SIRT4	cg21068152	-0.0229770660641822	111	-0.764340388286673	0.44482745963937	0.000527945564917795	0.636775125040209
BRCA	SIRT4	cg21123573	-0.0784066534046334	108	-2.57987169943825	0.0100153938843145	0.00614760329811431	0.0426807752306965
BRCA	SIRT5	cg01064902	-0.0220539700059756	796	-0.620804722011329	0.534906723910846	0.000486377593024472	0.711507799947344
BRCA	SIRT5	cg02206980	-0.180333013326576	796	-5.15960947459506	3.13054647450496e-07	0.032519995695443	6.04912400490907e-06
BRCA	SIRT5	cg02712746	-0.2415060001476	796	-7.00390150017086	5.31955055689554e-12	0.0583251481072927	2.65615607203551e-10
BRCA	SIRT5	cg06139021	0.0818811410701647	796	2.31210337520696	0.0210276331827707	0.00670452126295222	0.075687026133367
BRCA	SIRT5	cg07534331	-0.127248719984624	796	-3.61044630545152	0.000324905117083291	0.0161922367377253	0.00261220221975791
BRCA	SIRT5	cg07909422	-0.0564749054832856	111	-1.88116441876863	0.0602120643975147	0.00318941494934604	0.165091366360281
BRCA	SIRT5	cg08619119	-0.185880189868638	796	-5.32391520512594	1.32377824878612e-07	0.0345514449856007	2.80223143091339e-06
BRCA	SIRT5	cg10907941	-0.265379158286293	796	-7.74617745420625	2.89777391831394e-14	0.0704260976527416	2.05496284595547e-12
BRCA	SIRT5	cg11824369	-0.232744592543197	796	-6.73496988841301	3.15107118662601e-11	0.054170045358099	1.36565143115534e-09
BRCA	SIRT5	cg19366958	0.0737822986902093	796	2.08209295095752	0.0376544721714232	0.00544382760001127	0.117143565868339
BRCA	SIRT5	cg20150972	-0.110709132781866	796	-3.13490187828553	0.0017825503182289	0.0122565120813128	0.0108251505992015
BRCA	SIRT7	cg11691214	-0.178759652191427	796	-5.11310041341927	3.97718404951466e-07	0.0319550132516	7.50245043520716e-06
BRCA	SIRT7	cg12710567	-0.195363638056047	778	-5.54197250329843	4.10257287475909e-08	0.0381669510744941	9.7883987203189e-07
BRCA	SIRT7	cg17552093	-0.0703876171512808	111	-2.34667171374727	0.0191176453977383	0.00495441664823528	0.0702720707839563

BRCA	SIRT7	cg20397086	-0.179975017457334	792	-5.13600437559575	3.5398300777708e-07	0.0323910069087678	6.75607313714676e-06
BRCA	SMARCA	cg03460558	-0.115966650663177	796	-3.28575950081871	0.00106182463139701	0.0134482640660353	0.00705711963903454
BRCA	SMARCA	cg06675660	-0.0619998785036009	796	-1.74819449527808	0.080817818174683	0.00384398493446127	0.204453232320292
BRCA	SMARCA	cg08617833	-0.324642307014945	796	-9.6594293483599	6.06693497690783e-21	0.105392627503986	8.70795460504737e-19
BRCA	SMARCA	cg12935118	-0.0854856664449641	796	-2.41461885555949	0.015977354859777	0.00730779916753967	0.0612226551059743
BRCA	SMARCA	cg17420696	-0.0800377875584005	794	-2.25685756669862	0.02428943185454	0.00640604743724365	0.0843630499370157
BRCA	SMARCA	cg18959966	-0.258754669470557	796	-7.53874848145112	1.29972491214297e-13	0.0669539789728174	8.48957177290097e-12
BRCA	SMARCA	cg24447042	-0.348323257501435	111	-12.3579636335801	5.90341176429214e-33	0.121329091716411	1.81521744976815e-30
BRCA	SMARCA	cg26010110	-0.321354103623094	796	-9.55026051021522	1.56732192172827e-20	0.103268459915403	2.18118500141197e-18
BRCA	SMARCA	cg27353825	-0.123965546290736	782	-3.48460619400712	0.000520439301117045	0.0153674566671606	0.0038780704014463
BRCA	SMARCA	cg04518912	-0.00375675353757517	796	-0.10572516205315	0.915827186790105	1.41131971420836e-05	0.955512253653278
BRCA	SMARCA	cg13529335	-0.0461381119419165	796	-1.29982578740278	0.194038861588928	0.00212872537356482	0.375264388192736
BRCA	SMARCA	cg14290704	-0.0738375099661229	794	-2.08102697205481	0.0377530212124001	0.0054519778779973	0.117360440494292
BRCA	SMARCA	cg21210735	-0.192100796613926	796	-5.50879584212822	4.88690539393995e-08	0.0369027160597051	1.14475133458646e-06
BRCA	SMARCA	cg08405378	-0.119134520624822	795	-3.37465920922373	0.0007750768920423	0.0141930340045062	0.00542184441502911
BRCA	SMARCA	cg17218495	0.0319715233765447	796	0.900218632278335	0.368277549119923	0.00102217830701695	0.567142759843125
BRCA	SMARCA	cg17747332	-0.0642189204636101	111	-2.14011911605885	0.0325634070538287	0.00412406974551148	0.104904658288287
BRCA	SMARCA	cg18522266	-0.00337052162804293	796	-0.0948554253780681	0.924453655193319	1.13604160451052e-05	0.960171416536241
BRCA	SMARCA	cg23892580	-0.0595708656074577	796	-1.6794553411748	0.0934577377925265	0.00354868802922178	0.226932119789993
BRCA	SMARCA	cg01278696	-0.0528855042364389	111	-1.76125564430282	0.0784714332386007	0.00279687655834239	0.200144476488105
BRCA	SMARCA	cg01575392	-0.0905794324247437	796	-2.55965331997332	0.0106622518143656	0.00820463357838871	0.0448114110019858
BRCA	SMARCA	cg02782292	-0.0775357234942166	792	-2.18310354832866	0.0293225857452543	0.00601178841777161	0.0970524691740262
BRCA	SMARCA	cg05358385	-0.0133616061965025	796	-0.376062500875239	0.706971142031708	0.000178532520150413	0.83295647356384
BRCA	SMARCA	cg10878459	-0.284424425453085	796	-8.34924967602014	3.0523609105127e-16	0.0808972537943176	2.77401126953767e-14
BRCA	SMARCA	cg12253543	-0.142500824201536	796	-4.05167731992586	5.58612391842209e-05	0.0203064848981172	0.00058417384609454
BRCA	SMARCA	cg13848802	-0.11949287331675	766	-3.32232707627284	0.000935280008015288	0.0142785467734928	0.00634952203015458
BRCA	SMARCA	cg13898584	-0.146572654943883	796	-4.16995605574012	3.38290023760107e-05	0.0214835431772985	0.000378388700336358
BRCA	SMARCA	cg16091845	-0.105133173703082	111	-3.51585395153598	0.000456097253359517	0.0110529842128825	0.00347144405907937
BRCA	SMARCA	cg16587443	-0.0864078080263391	763	-2.38946815756596	0.0171159369548548	0.00746630928791667	0.0646022609027206
BRCA	SMARCA	cg19993723	0.0019315938760748	796	0.0543599715576317	0.956662078722611	3.73105490208966e-06	0.97713572681409
BRCA	SMARCA	cg20045045	-0.126995903770524	796	-3.60315541019607	0.000334007081908905	0.0161279595744921	0.00267322499280055
BRCA	SMARCA	cg22077701	-0.175876440014352	796	-5.0279765986361	6.13360063938719e-07	0.0309325221521221	1.1088945576121e-05
BRCA	SMARCA	cg24607315	-0.120749141112327	795	-3.42106782204755	0.000655758407835711	0.0145803550793645	0.00471784607224371
BRCA	SMARCB	cg01745726	-0.0615685892091489	796	-1.73598710637155	0.0829550137271441	0.00379069117720492	0.208275047212827
BRCA	SMARCB	cg01912455	-0.161512820869202	796	-4.60584560753948	4.78494615463065e-06	0.0260863913051269	6.84516552323165e-05
BRCA	SMARCB	cg03979008	0.0800949240330414	796	2.26133609244874	0.0240089186422868	0.00641519685585866	0.0835955550002607
BRCA	SMARCB	cg10122452	-0.0750722012326681	796	-2.11869776637008	0.0344267551779899	0.00563583539791822	0.109443626836523
BRCA	SMARCB	cg16142952	-0.0293163917826	796	-0.825391164031671	0.409398090678386	0.000859450827150895	0.605373789512153
BRCA	SMARCB	cg19906397	-0.0202611192211325	111	-0.673953845346125	0.50048148252593	0.000410512952092945	0.684345287673742
BRCA	SMARCC	cg02564102	0.0877866864220718	796	2.48011131986239	0.0133409601014006	0.00770650231296716	0.053359724942332
BRCA	SMARCC	cg02627110	-0.0606271558512739	796	-1.70934377217984	0.0877790205327476	0.00367565202661466	0.216983290118667
BRCA	SMARCC	cg05592996	-0.107444748214213	791	-3.03175407400351	0.00251111938684943	0.0115443739188157	0.014292509626907
BRCA	SMARCC	cg07143957	0.0702914361462114	796	1.98308151558623	0.0477033527341761	0.00494088599549691	0.139420126970192
BRCA	SMARCC	cg07304068	-0.136697330136475	796	-3.88345843458598	0.00011571920156249	0.0186861600664405	0.00105900755937472
BRCA	SMARCC	cg07474652	-0.0795801738984691	796	-2.24671012251252	0.0249332670040834	0.00633300407771058	0.0860197158772301
BRCA	SMARCC	cg12894336	-0.144012188527592	796	-4.09555464593362	4.64449927483969e-05	0.0207395104445068	0.000497123504725998
BRCA	SMARCC	cg16250355	-0.0487483309570743	111	-1.62313243822943	0.104846066343935	0.00237639977110045	0.246386989039394
BRCA	SMARCC	cg20685352	-0.134044557587941	796	-3.80670255932131	0.000151702172973547	0.017967943418947	0.00137514784948778
BRCA	SMARCC	cg22984439	-0.0615909156694654	796	-1.73661901963499	0.0828432672154309	0.0037934408930032	0.208089152647134
BRCA	SMARCC	cg24832353	-0.0661355852818111	315	-1.17075053583054	0.242592474048055	0.0043739156405677	0.435024639852805
BRCA	SMARCD	cg02553054	0.0283344026271045	796	0.797721056598555	0.425271485091789	0.000802838372234866	0.620085211739465
BRCA	SMARCD	cg04550398	-0.0203414468229033	796	-0.572577527769247	0.567093279522787	0.000413774458849002	0.735845911062184
BRCA	SMARCD	cg09878554	0.0164969578397179	796	0.464328733986537	0.642539846658206	0.000272149617965428	0.790101080074741
BRCA	SMARCD	cg13349421	-0.066199729073166	796	-1.86712124739266	0.0622538935190809	0.00438240412936057	0.169122062872726
BRCA	SMARCD	cg17846064	-0.0699929366540127	796	-1.97461861677897	0.0486584213640704	0.00489901118145263	0.141407345496525
BRCA	SMARCD	cg18591973	0.0920046724953924	111	3.07279361731408	0.00217253309112287	0.00846485976098442	0.0126960666534565
BRCA	SMARCD	cg20405918	-0.0581381823379729	796	-1.63892564849302	0.10162589070733	0.00338004824556339	0.241044187221889

BRCA	SMARCD	cg22402853	-0.117508933694306	796	-3.33006580427487	0.000908429706984531	0.0138083494979728	0.00619970002852483
BRCA	SMARCD	cg25107077	-0.0834904577293393	796	-2.3578620468226	0.0186227603797834	0.00697065653185459	0.0689088194912896
BRCA	SMARCD	cg00945038	0.168414373051929	796	4.808280672772789	1.82195665350119e-06	0.0283634010504743	2.90683543688417e-05
BRCA	SMARCD	cg02127607	0.184484868870441	796	5.28253730091534	1.64783300129911e-07	0.0340346668421437	3.40844244889825e-06
BRCA	SMARCD	cg02360836	-0.0430323944629663	111	-1.43243709449305	0.152301333636622	0.00185178697321633	0.319034666547762
BRCA	SMARCD	cg04367190	0.102225471948622	796	2.89203040017188	0.00393246480887979	0.0104500471151185	0.0204945513058213
BRCA	SMARCD	cg06420487	-0.273224143527937	796	-7.99335287141141	4.63775938906345e-15	0.0746514326065749	3.61512879672146e-13
BRCA	SMARCD	cg07362569	0.171439136438437	796	4.89722985802562	1.17848029668061e-06	0.0293913775027571	1.97936075075043e-05
BRCA	SMARCD	cg11697258	-0.00850944204967372	796	-0.239485597387908	0.810791025668897	7.24106039967553e-05	0.897962430609695
BRCA	SMARCD	cg12577610	-0.0919184182580521	111	-3.06850017208729	0.0022037719690182	0.0084489956150622	0.0128438894634254
BRCA	SMARCD	cg15868002	-0.0547006254348288	796	-1.54172031735324	0.123541006857008	0.00299215842296144	0.276290041323389
BRCA	SMARCD	cg19016967	-0.0499189322578254	796	-1.40659692190334	0.15993919759116	0.00249189979776136	0.329666905208514
BRCA	SMARCD	cg19143629	0.197827849883529	796	5.67961671240562	1.89572555053257e-08	0.0391358581895403	4.89791011219299e-07
BRCA	SMARCD	cg21254277	-0.219220265423894	796	-6.32321483389275	4.27727905592923e-10	0.0480575247725226	1.51111102123959e-08
BRCA	SMARCD	cg23682543	-0.255671687207383	796	-7.44260392656207	2.57605062454798e-13	0.0653680116394698	1.59555161055801e-11
BRCA	SMARCD	cg24795630	-0.20314019136055	796	-5.83860868853238	7.67755411148316e-09	0.0412659373460011	2.15076573478113e-07
BRCA	SMARCD	cg25945412	0.0535810601650481	796	1.51007391044543	0.131423404806797	0.00287093000841051	0.288274751974849
BRCA	SMARCD	cg00864064	0.00702104355520078	796	0.19759455032722	0.8434129997493	4.92950526040264e-05	0.916362493575468
BRCA	SMARCD	cg02917064	-0.0759995094674661	111	-2.53481468866441	0.0113876404812703	0.00577592543929547	0.0471921001278468
BRCA	SMARCD	cg14795305	-0.028654288883647	110	-0.952472702117978	0.341065785824373	0.000821068271427496	0.540318326526723
BRCA	SMARCD	cg19786287	-0.0185864607211212	796	-0.523159741992208	0.601009425022447	0.00034545652213778	0.760861305292047
BRCA	SMARCD	cg19902439	-0.0666922877728653	796	-1.88107538908417	0.0603282939291061	0.00444786124837868	0.165311000279002
BRCA	SMARCD	cg22750243	-0.0510700025020045	796	-1.43911520349272	0.150512969447909	0.00260814515555475	0.316348470678699
BRCA	SMARCD	cg22787816	-0.0930581119059316	796	-2.63030112876794	0.00869660132229653	0.00865981219149689	0.0382746890284418
BRCA	SMNDC1	cg03999743	-0.0397177984792909	796	-1.11864060558509	0.263632661669516	0.00157750351604156	0.45907194811233
BRCA	SMNDC1	cg08770590	-0.135000533865323	796	-3.83435327819219	0.00013588954553854	0.0182251441439222	0.00125208945938946
BRCA	SMNDC1	cg11559952	0.0895773822545768	796	2.53110638065161	0.011562803313525	0.00802410741158258	0.0477526528094899
BRCA	SMNDC1	cg12486840	0.179460287644308	796	5.13386039356492	3.57598458620677e-07	0.0322059948413778	6.81504519596692e-06
BRCA	SMNDC1	cg17981675	-0.047051803490653	796	-1.32562331708486	0.185346729577832	0.00221387221172302	0.364011599827772
BRCA	SMNDC1	cg18209001	-0.0409818286847749	796	-1.15430062800556	0.248725118199641	0.00167951028234824	0.442148938467686
BRCA	SMNDC1	cg21872391	0.0774865588744121	111	2.58470900660322	0.0098732951256526	0.00600416680619774	0.0421994507180076
BRCA	SMNDC1	cg23721301	-0.115009419362764	796	-3.25827254824098	0.00116871013145014	0.0132271665421601	0.00764471840292882
BRCA	SMNDC1	cg26944434	-0.00243880336098598	796	-0.0686342144271579	0.945298107760862	5.9477618335565e-06	0.97074148234636
BRCA	SMYD1	cg00578637	-0.116775462410097	796	-3.30899180727219	0.000978626413148513	0.013636508621092	0.00659716318756286
BRCA	SMYD1	cg00666842	-0.125360053231736	796	-3.5559967620004	0.000398903708689213	0.0157151429462636	0.00309782822888439
BRCA	SMYD1	cg03704645	-0.232614232583086	796	-6.73098178582877	3.2338622532751e-11	0.0541093812002179	1.39763933406269e-09
BRCA	SMYD1	cg14559139	-0.376544388297301	796	-11.438811177903	3.77828355088624e-28	0.141785676358188	9.48154163089174e-26
BRCA	SMYD1	cg16090764	-0.290318929183892	796	-8.53803241173008	6.93246304727982e-17	0.0842850806424817	6.77517626005133e-15
BRCA	SMYD1	cg18148488	-0.151836194101226	796	-4.32317356362988	1.73409753028011e-05	0.0230542298391451	0.000211512046520243
BRCA	SMYD1	cg19074493	-0.350757948125335	796	-10.54098080516146	2.11519447602453e-24	0.123031138173095	4.06294911278648e-22
BRCA	SMYD2	cg01770831	-0.0593296410883233	796	-1.67263053167527	0.0947949883525966	0.00352000631166926	0.229241857810373
BRCA	SMYD2	cg04406444	-0.0426542143289262	796	-1.20148947642268	0.229920543383611	0.00181938200001797	0.42002412441057
BRCA	SMYD2	cg11523160	-0.0872461828811825	796	-2.46472375732837	0.0139231076478176	0.00761189642733674	0.0551437855795907
BRCA	SMYD2	cg14013804	0.0774586209594538	796	2.18644785341946	0.0290748228786924	0.00599983796094033	0.0964992862760782
BRCA	SMYD2	cg27570636	-0.012859174326426	796	-0.361919167931846	0.717508974930498	0.000165358364357414	0.839556120852808
BRCA	SMYD5	cg01329511	-0.0896871698384891	796	-2.53423368826973	0.0114609535458961	0.00804378843363799	0.0474403224512847
BRCA	SMYD5	cg05103132	-0.0275531162176855	796	-0.775707927871713	0.438153018838605	0.000759174213305284	0.630913290929613
BRCA	SMYD5	cg06754047	-0.0317578164498734	111	-1.05668931042721	0.290884155831793	0.00100855890566385	0.488421751856727
BRCA	SMYD5	cg08834152	-0.0191427399072095	796	-0.538823187122082	0.590160277935098	0.000366444491155071	0.753181453206953
BRCA	SMYD5	cg15623359	-0.0596158984400709	796	-1.68072945868863	0.0932097753734441	0.00355405534681685	0.226483239209454
BRCA	SMYD5	cg17895873	-0.0675593135617878	111	-2.25193669197158	0.0245218182087477	0.00456426084893997	0.0849543324054779
BRCA	SMYD5	cg20402064	-0.0915895321054555	796	-2.58843751157724	0.00981802049678248	0.00838864239129627	0.0419937918697326
BRCA	SMYD5	cg25886337	0.0186662358333727	796	0.525405981523459	0.599448053804818	0.000348428360187088	0.75968822835696
BRCA	SMYD5	cg26467949	-0.156900267711325	796	-4.4709399715485	8.92470730364808e-06	0.0246176940078856	0.000118277458258944
BRCA	SP100	cg05876232	-0.0327182862910044	796	-0.921267428018611	0.357191356273328	0.00107048625782012	0.556069407654986
BRCA	SP100	cg09456094	-0.228991663705881	796	-6.62030896017748	6.60717014862015e-11	0.0524371820467871	2.71382362482448e-09
BRCA	SP100	cg11702456	-0.151691289059318	796	-4.31895051836831	1.76682763298139e-05	0.0230102471764775	0.000215133180278845

BRCA	SP100	cg11827097	-0.10722379962193	796	-0.3350424897444	0.00248371362359404	0.0114969432053637	0.014165284360161
BRCA	SP100	cg23539753	-0.336635225088607	111	-11.889250218648	9.2046195794737e-31	0.113323274770457	2.62294569804241e-28
BRCA	SP100	cg27140170	-0.0394323392517634	796	-1.11058816071344	0.267082715342925	0.00155490937886616	0.462790287718004
BRCA	SP140L	cg04002454	-0.474751474733235	796	-15.180534838876	7.09989170465554e-46	0.225388962761382	3.45205609544983e-43
BRCA	SP140L	cg05217331	-0.0603460529331133	796	-1.7013892205746	0.0892624187029758	0.00364164610460611	0.219555467528025
BRCA	SP140L	cg13278004	-0.511732919607611	796	-16.7625346732478	3.32923638107467e-54	0.261870581010129	2.31245191990467e-51
BRCA	SP140L	cg24044052	-0.519296715497466	796	-17.1008745976466	4.89049151409021e-56	0.269669078726456	3.72991075340327e-53
BRCA	SP140L	cg25095994	-0.538495578107929	796	-17.9849267255331	6.66328197400871e-61	0.289977487641793	6.02748090565155e-58
BRCA	SP140L	cg26847438	-0.516656105931636	796	-16.9821424628752	2.1603187303392e-55	0.266933531796442	1.58547014441517e-52
BRCA	SSRP1	cg01511567	0.0117818597390144	111	0.391851538725133	0.695243400706591	0.000138812218909808	0.825298301051116
BRCA	SSRP1	cg01766191	-0.203961707934883	796	-5.86324327345956	6.66132026742063e-09	0.0416003783037147	1.88646068031933e-07
BRCA	SSRP1	cg02688348	0.0921806236277222	796	2.60528521570409	0.00935205100889453	0.00849726737239577	0.0404432406573985
BRCA	SSRP1	cg04937561	-0.100751631348536	796	-2.84990366252752	0.00448679052835847	0.0101508912193913	0.0227331888995128
BRCA	SSRP1	cg08821673	-0.22375160996697	796	-6.46073258160321	1.81832394137975e-10	0.0500647829628111	6.90359652004374e-09
BRCA	SSRP1	cg09381635	-0.172095507648142	796	-4.91655049881	1.07108392279634e-06	0.0296168637526716	1.81612691129072e-05
BRCA	SSRP1	cg11948159	-0.00851709249324892	796	-0.239700923363031	0.810624140098878	7.25408645385571e-05	0.89780316564425
BRCA	SSRP1	cg12795368	0.107573043590863	796	3.04504362238056	0.00240352339741155	0.0115719597074018	0.0137910974463958
BRCA	SSRP1	cg12911972	-0.152724593831641	796	-4.34907092147712	1.54569509768695e-05	0.0233248015610396	0.000191474210874934
BRCA	SSRP1	cg16313264	0.0938566640191046	796	2.6530720584029	0.00813606014848847	0.00880907338079508	0.0363965878776028
BRCA	SSRP1	cg22636253	-0.0404551653781011	111	-1.34650268298336	0.178416328925542	0.00163662040576951	0.355012071410433
BRCA	SSRP1	cg26706201	-0.0164498187971693	796	-0.463001583546139	0.643490423043681	0.000270596538459704	0.790736297152792
BRCA	STK31	cg00755064	0.00314861727738104	796	0.088610383830373	0.929413956177066	9.91379075942238e-06	0.962671899544514
BRCA	STK31	cg05000488	0.0100234512958406	796	0.282099095099181	0.77794122544222	0.000100469575880088	0.877216403711437
BRCA	STK31	cg05407490	-0.0235362691425971	796	-0.662552864260503	0.507809722429329	0.000553955965152768	0.690482050349871
BRCA	STK31	cg11755819	-0.0131645142520149	796	-0.37051437799213	0.711098335277591	0.000173304435491504	0.835511008829255
BRCA	STK31	cg13313214	-0.0142365974182113	796	-0.400693973906355	0.688753514544863	0.000202680706048221	0.821150494406263
BRCA	STK31	cg13514718	-0.0286881534416185	796	-0.807688638523429	0.419512355350892	0.000823010147889845	0.614856198223501
BRCA	STK31	cg13802883	0.00644630463744934	796	0.181418862640072	0.856085232007098	4.15548434788009e-05	0.923417146759222
BRCA	STK31	cg14898779	-0.0216557880035113	111	-0.720366345361503	0.471451679913761	0.000468973154053025	0.659689761623338
BRCA	STK31	cg17102984	0.0233939028042085	796	0.658543009001592	0.510380660042456	0.000547274688412753	0.692682363352108
BRCA	STK31	cg17331904	-0.0169177546580043	796	-0.47617596655123	0.634080347701571	0.000286210422668427	0.784535134299738
BRCA	STK31	cg21519371	0.0355245406532034	796	1.00038062799071	0.317431879595669	0.0012619929886211	0.516671108719855
BRCA	STK31	cg25570411	0.0192806119981445	796	0.542705400822562	0.587485336528537	0.000371741999022994	0.751335875445259
BRCA	STK31	cg25612145	0.00131403875488248	111	0.0437004704653281	0.965151052360271	1.72669784933309e-06	0.981635856389837
BRCA	SUV39H	cg05903800	-0.0337607576746377	796	-0.950653865923666	0.342070121364197	0.00113978875876561	0.541259727301256
BRCA	SUZ12	cg00160853	0.011173681955923	796	0.314474915541007	0.753243187752044	0.000124851168452118	0.861968379283349
BRCA	SUZ12	cg01109633	0.167541334103406	796	4.78263335570451	2.06316634434346e-06	0.0280700986331492	3.24642843514589e-05
BRCA	SUZ12	cg07482957	-0.0952290999727796	796	-2.69221953589378	0.00724770323949748	0.00906858148162565	0.0332995408583432
BRCA	SUZ12	cg08177746	0.00250447053862118	796	0.0704822695520512	0.943827604892349	6.27237267882148e-06	0.970012480447531
BRCA	SUZ12	cg17335595	-0.331221926066366	796	-9.87905549165672	8.76709542436544e-22	0.109707964307113	1.35054934939225e-19
BRCA	SUZ12	cg25098644	0.0386932027838994	111	1.28776788884121	0.198096153096345	0.00149716394167596	0.380633095412776
BRCA	TAF3	cg00194465	-0.126439689692336	796	-3.58711742011771	0.000354876847220812	0.0159869951294941	0.00281276509961241
BRCA	TAF3	cg02334915	0.0258537569730603	796	0.727832503321895	0.466931237389025	0.000668416749622067	0.656090119136857
BRCA	TAF3	cg03672997	-0.00393467973522823	796	-0.110522640473347	0.912023001756747	1.54817046188157e-05	0.953299770508344
BRCA	TAF3	cg04179819	-0.0157637548093993	796	-0.443686514531582	0.65739043075933	0.000248495965690858	0.800422764029649
BRCA	TAF3	cg04234156	-0.0120072236137755	796	-0.33793758690541	0.735499775136311	0.000144173418911208	0.850899858981718
BRCA	TAF3	cg05976695	-0.117940045254706	796	-3.3424550191096	0.000869374058398149	0.013909854274682	0.00597403811492144
BRCA	TAF3	cg07855525	-0.0373963044893439	796	-1.05316196812679	0.292587959543618	0.00139848358945972	0.490266175387947
BRCA	TAF3	cg09871669	-0.0789575959241726	796	-2.2290227773952	0.0260922037990685	0.00623430195412492	0.0889724249296368
BRCA	TAF3	cg09994553	0.0410392609075332	772	1.13827231492567	0.255361744944026	0.00168422093583658	0.449657448232277
BRCA	TAF3	cg11104088	0.0463047438211175	796	1.30453029231826	0.19243178409157	0.00214412930033932	0.373112960760172
BRCA	TAF3	cg12176426	-0.0648622087918067	796	-1.82923630931089	0.0677400542633217	0.00420710612935192	0.180021514069649
BRCA	TAF3	cg12590721	-0.179685650424331	796	-5.14046828616056	3.45543884565568e-07	0.0322869329684147	6.6031051230395e-06
BRCA	TAF3	cg12777293	-0.0556751610165195	796	-1.56927195828009	0.116983995842422	0.00309972355421538	0.266069844830002
BRCA	TAF3	cg27268107	-0.127417916073039	796	-3.61532610299867	0.000318943661896309	0.0162353253363959	0.00257278133902546
BRCA	TCEA1	cg01677098	-0.237460491490244	111	-8.12965432606301	1.14539696243354e-15	0.0563874850187882	9.67481121558687e-14
BRCA	TCEA1	cg06047473	-0.343425398401505	796	-10.2907300261327	2.13634811385123e-23	0.117941004267232	3.76006934771363e-21

BRCA	TCEA1	cg11530293	-0.0701425274743808	796	-1.97885966936385	0.0481778113602414	0.00491997416049427	0.140408841641174
BRCA	TCEA1	cg11787876	0.0806526528849432	796	2.27718530353822	0.0230410145947202	0.00650485041737914	0.081029460213447
BRCA	TCEA1	cg12850379	-0.101711026917296	796	-2.87732386306142	0.00411847546147171	0.0103451329965709	0.0212391567815532
BRCA	TCEA1	cg23569945	-0.214328401395182	796	-6.17523816712969	1.05495604678553e-09	0.0459366636446143	3.47603772569393e-08
BRCA	TCEA1	cg26181865	-0.420045641733709	796	-13.0259982021319	2.76879362345673e-35	0.176438341139483	9.44717241856108e-33
BRCA	TCEA1	cg26358945	-0.121729228387944	796	-3.45143124908275	0.000587167298437959	0.0148180050439243	0.00429668825272153
BRCA	TDRD1	cg00337703	-0.218855705629489	796	-6.31216996290757	4.57832687831248e-10	0.0478978198865816	1.60797454253472e-08
BRCA	TDRD1	cg02635786	-0.648270140154717	776	-23.6562473888997	1.7996552528403e-93	0.420254174616217	3.88895502054051e-90
BRCA	TDRD1	cg16550453	-0.786007885179562	796	-35.7807073838684	1.38041059031117e-167	0.617808395564448	1.19319623847408e-163
BRCA	TDRD1	cg23504215	-0.715191666244342	796	-28.7973391100207	2.44442133975763e-125	0.511499119465358	1.18850821065691e-121
BRCA	TDRD1	cg23825092	-0.332524962477608	796	-9.92274093722617	5.94338124988512e-22	0.110572850670734	9.32176211599926e-20
BRCA	TDRD1	cg24203376	-0.444776378370214	796	-13.9755858222824	7.80658048730911e-40	0.197826026756124	3.16304751265482e-37
BRCA	TDRD1	cg26600802	-0.7749619093801	796	-34.5080494432272	5.43307189665443e-160	0.600565960990049	4.22660395128335e-156
BRCA	TDRD1	cg27547703	-0.764427187071118	110	-39.3606686345202	2.61074209344485e-212	0.584348924333462	2.03100070417449e-207
BRCA	TDRD3	cg01557749	-0.00704680784275505	796	-0.198319675463483	0.842845852228154	4.96575007727141e-05	0.916029949852076
BRCA	TDRD3	cg03447530	-0.131372841875901	796	-3.72948280316448	0.000205552997936846	0.0172588235825506	0.00177537358959686
BRCA	TDRD3	cg05666423	-0.142917599718277	796	-4.0637740773477	5.30984895016878e-05	0.0204254403092338	0.00055866160296109
BRCA	TDRD3	cg10765900	0.0460352063541145	796	1.29692051626343	0.195036231239791	0.00211924022406591	0.376622487685225
BRCA	TDRD3	cg18522102	0.00793220630311645	796	0.223230905926768	0.823406989805456	6.29198968352003e-05	0.904987433525432
BRCA	TDRD3	cg19937698	-0.00715092409936416	796	-0.201249988154602	0.840554779608806	5.11357154748672e-05	0.914598278573451
BRCA	TDRD3	cg20944895	-0.211120120427275	796	-6.07845444762559	1.88509716558966e-09	0.044571705249227	5.92043798546152e-08
BRCA	TDRD3	cg22045829	0.0674306574458508	796	1.9019959232832	0.0575342431469208	0.00454689356357967	0.159685287073087
BRCA	TDRD3	cg23103367	-0.0439918781312306	796	-1.23924091406628	0.215623395548567	0.00193528534151305	0.402751721129084
BRCA	TDRD3	cg23767211	0.120587921540346	796	3.41859158189795	0.000661624740564471	0.0145414468214206	0.00475521388280418
BRCA	TDRD3	cg26737458	0.0210987128550095	796	0.593902615999933	0.552746836360451	0.000445155684138145	0.724900746604375
BRCA	TDRD5	cg05378938	-0.209666384631021	796	-6.03466774862126	2.44488526348992e-09	0.0439599928442434	7.53555484104336e-08
BRCA	TDRD5	cg07171496	-0.275348880209541	796	-8.06059162550273	2.79437496776344e-15	0.0758170058326482	2.25270058282061e-13
BRCA	TDRD5	cg07901138	-0.291533080852635	796	-8.57704873117107	5.0862149495571e-17	0.0849915372314288	5.05980825813101e-15
BRCA	TDRD5	cg09656934	-0.193117154101722	111	-6.54563267385459	9.04692446616934e-11	0.0372942352083481	3.64283872630009e-09
BRCA	TDRD5	cg11853788	-0.190107463276178	796	-5.44947883033379	6.74973663507828e-08	0.0361408475933035	1.52642154589907e-06
BRCA	TDRD5	cg12277666	-0.204556120952305	111	-6.94979111321822	6.23775686661398e-12	0.041843206619054	3.07570415886802e-10
BRCA	TDRD5	cg13848905	-0.232126095855771	796	-6.7160516224268	3.56317533387667e-11	0.0538825243772426	1.52976634615674e-09
BRCA	TDRD5	cg15545772	-0.213085321450843	796	-6.13771371847909	1.32246587057196e-09	0.0454053542178092	4.27775093285967e-08
BRCA	TDRD7	cg24339935	0.0913983362851178	796	2.58298850602749	0.00997310352738613	0.00835365587568747	0.0425331733901363
BRCA	TDRD9	cg07613153	0.200016976314581	109	6.75213999666862	2.35999801439066e-11	0.0400067908140275	1.04492706620095e-09
BRCA	TDRD9	cg08933517	0.0868201675057199	111	2.89697507239523	0.00384209685577759	0.00753774148572127	0.0201057502218728
BRCA	TDRD9	cg16701547	0.140531785076568	796	3.99203369231328	7.16046036962369e-05	0.0197491826168066	0.000723147934563813
BRCA	TRIM24	cg00733782	0.0302586750886319	796	0.851944703282285	0.394502315188752	0.000915587418119392	0.591248061105319
BRCA	TRIM24	cg02308366	-0.170001407115795	796	-4.85493295470979	1.45102398220462e-06	0.0289004784213502	2.37344322270029e-05
BRCA	TRIM24	cg06386929	-0.129720979943371	796	-3.68178104506711	0.000247323039682625	0.0168275326374684	0.00207330264537394
BRCA	TRIM24	cg06650216	-0.181900525684741	796	-5.20598635220667	2.46118376834252e-07	0.0330878012443853	4.87561319262638e-06
BRCA	TRIM24	cg10571650	0.136703863464047	796	3.88364757560799	0.000111486752667645	0.0186879462859967	0.00105832830226074
BRCA	TRIM24	cg10703331	-0.0757354305937026	111	-2.52595595438383	0.0116771184919616	0.00573585544721355	0.0481174721099455
BRCA	TRIM24	cg13935558	0.235116479891965	796	6.80760034448195	1.96037999062485e-11	0.0552797591167887	8.79502889219548e-10
BRCA	TRIM24	cg26889928	-0.00287721983744233	111	-0.0956868828682007	0.923786593016603	8.27839399297164e-06	0.959890129523076
BRCA	TRIM33	cg00760200	-0.0694923389035838	796	-1.96042713103082	0.050296072644612	0.00482918516629055	0.144905271732651
BRCA	TRIM33	cg02852257	-0.0173642425751678	796	-0.48874679046028	0.625156277120404	0.000301516920209271	0.778118721739949
BRCA	TRIM33	cg05792124	-0.0444303046231638	796	-1.25161559349995	0.211079506176122	0.00197405196890713	0.396952636051263
BRCA	TRIM33	cg16036305	-0.0520615675019379	796	-1.46713199150303	0.142737119128022	0.00271040681075884	0.305326224609496
BRCA	TRIM33	cg17645130	-0.0326899510163431	796	-0.920468721652419	0.357608144865031	0.00106863289745091	0.556595734897167
BRCA	TRIM33	cg18199720	0.194650119898811	796	5.58476112172604	3.21729673035031e-08	0.0378886691766217	7.86075319851985e-07
BRCA	TRIM33	cg20932765	-0.100336288510716	110	-3.33857002388685	0.000870428522510074	0.0100673707921056	0.00597894424627591
BRCA	TRIM33	cg20992663	-0.0690361301608168	796	-1.94626546147641	0.0519766177435389	0.00476598726758123	0.14843320732502
BRCA	TRIM33	cg21666217	0.0936734104844972	111	3.12901545617178	0.00179982042552403	0.0087747078317971	0.0109063117450706
BRCA	TRIM33	cg21813112	-0.0411460366947902	796	-1.15820168344457	0.247131311297341	0.00169299633568902	0.440392468928309
BRCA	TRIM66	cg06492264	0.122931195526594	796	3.48603136603027	0.000517223334101484	0.0151120788335977	0.00385817164187275
BRCA	TRIM66	cg11245569	0.268437894000141	756	7.64174494868364	6.537197365392e-14	0.0720589029352307	4.42606381064669e-12

BRCA	TRIM66	cg12608775	0.141507703005887	796	-4.02286119227209	6.30023291179968e-05	0.0200244300100023	0.000649682289422779
BRCA	TRIM66	cg13143389	0.133032825739747	796	3.77745094830978	0.000170310646438392	0.0176977327243019	0.00151748326984633
BRCA	TRIM66	cg27044202	-0.0261332784259349	796	-0.735706913688606	0.462126899791881	0.000682948241287436	0.651611325353614
BRCA	UBE2A	cg00142683	-0.147717404978153	796	-4.20324753309223	2.93091068653357e-05	0.0218204317334798	0.000333978710924554
BRCA	UBE2A	cg00428314	-0.136175921410905	796	-3.86836521998553	0.000118569962032602	0.0185438815721088	0.00111563033700584
BRCA	UBE2A	cg00935924	-0.227518157250734	796	-6.57537536004214	8.80525125453024e-11	0.0517645118787698	3.55472608248534e-09
BRCA	UBE2A	cg05206294	-0.155452044326313	796	-4.42864540529897	1.08149488711322e-05	0.0241653380852298	0.00014041023572778
BRCA	UBE2A	cg06206449	-0.14008056464176	796	-3.98147342228942	7.47880932875304e-05	0.0196225645903542	0.000750621201033433
BRCA	UBE2A	cg06273903	-0.114828447764195	111	-3.84422954705224	0.000127823251928204	0.0131855724159345	0.00118917508496804
BRCA	UBE2A	cg09080960	-0.219038653906125	796	-6.31771230053216	4.42475787119454e-10	0.047977931905007	1.55825990869945e-08
BRCA	UBE2A	cg14625604	-0.0356586840513466	111	-1.18664048954516	0.235624285967221	0.00127154174827376	0.426888276451105
BRCA	UBE2A	cg15661671	-0.274841543454803	796	-8.04452504095748	3.15497860469188e-15	0.0755378740086183	2.53281962180185e-13
BRCA	UBE2A	cg16211147	-0.151110034067557	796	-4.30201355445911	1.90411743535001e-05	0.0228342423958982	0.000229550459887833
BRCA	UBE2A	cg17976175	-0.115444773691941	796	-3.27077262786671	0.00111892383646988	0.0133274957727835	0.00737424270877139
BRCA	UBE2A	cg18990292	-0.210433957401539	796	-6.05778189512527	2.13174636205283e-09	0.0442824504276728	6.63348305958152e-08
BRCA	UBE2A	cg25165659	-0.130749911492932	796	-3.71149039821984	0.000220460688699878	0.0170955393554096	0.00188384433399806
BRCA	UHRF2	cg06523306	-0.0286519494935798	796	-0.806668511597645	0.420099651645608	0.00082093420978265	0.615396232066403
BRCA	UHRF2	cg08487038	-0.0119142453853312	111	-0.396075980189269	0.692125442319469	0.000141949243101885	0.82321509738863
BRCA	UHRF2	cg13428749	-0.0887761326057469	796	-2.50828553282084	0.0123307093744576	0.00788120172043316	0.0502280450872634
BRCA	UHRF2	cg14078101	-0.132111710946434	796	-3.7508297524761	0.000189096686115965	0.0174535041691942	0.00165547913568595
BRCA	UHRF2	cg20595300	0.0391417126147477	111	1.30212867727527	0.1931437530895	0.0015320736664155	0.374073869789742
BRCA	UHRF2	cg24119045	-0.150949046550941	796	-4.29732340998895	1.94389961523097e-05	0.0227856146546381	0.000233514093062504
BRCA	USP27X	cg00478198	-0.188204876266584	796	-5.39292745198471	9.15735614809873e-08	0.0354210754505202	2.00221294037435e-06
BRCA	USP27X	cg01125381	-0.134808553412931	796	-3.82879955084143	0.000138935050793733	0.0181733460732871	0.00127591941228281
BRCA	USP27X	cg01290688	-0.153480275017494	796	-4.37110795213486	1.40092814019128e-05	0.0235561948194456	0.000175780328609743
BRCA	USP27X	cg01855997	-0.149309391990061	796	-4.24957424116185	2.39670239606456e-05	0.0222932945364416	0.000280290237822378
BRCA	USP27X	cg06455206	-0.244582152568585	796	-7.09875109463171	2.80083616491035e-12	0.0598204293550826	1.4802190802516e-10
BRCA	USP27X	cg06624970	-0.171662178506478	796	-4.90379446655421	1.14087527381822e-06	0.02946790352959	1.92314736839469e-05
BRCA	USP27X	cg16810342	-0.137553201485777	796	-3.90824047328577	0.000100921445606503	0.0189208832389866	0.000971428228100998
BRCA	USP27X	cg16867483	-0.175200983815218	796	-5.00805386143794	6.78189196404822e-07	0.0306953847298202	1.21237819169723e-05
BRCA	USP27X	cg19318186	-0.137433977732467	796	-3.90478777644522	0.000102345382059742	0.0188880982353682	0.00098330945436033
BRCA	USP51	cg00834229	-0.0541076399570611	796	-1.52495786059786	0.127668810398789	0.00292763670172296	0.28257421756098
BRCA	USP51	cg01084827	-0.00445848362979539	796	-0.125394859924693	0.900242819335108	1.98780762771535e-05	0.94738430376683
BRCA	USP51	cg02714202	-0.00512858261569022	796	-0.144333006518944	0.885274233954706	2.63023596459599e-05	0.939207899337524
BRCA	USP51	cg03728850	-0.0669687223308732	796	-1.88890735865572	0.0592693708276458	0.0044848097706296	0.163187610260905
BRCA	USP51	cg07386410	-0.0311029947202438	796	-0.875739555771019	0.381437150570582	0.000967396280567516	0.579878091368089
BRCA	USP51	cg12064531	-0.0555611995890547	796	-1.56604986022039	0.117736385742343	0.00308704689977477	0.267265374742918
BRCA	USP51	cg12517811	-0.0825731366146861	796	-2.33177704910288	0.0199623048038288	0.00681832289038762	0.0726998393678234
BRCA	USP51	cg18770944	-0.0892394618935629	111	-2.97968750893007	0.00294845107244227	0.00796368155905267	0.0162364127365735
BRCA	USP51	cg21331369	-0.0887588258863445	796	-2.5077926646	0.0123477819489598	0.00787812917272241	0.0502817917157339
BRCA	USP51	cg25424556	-0.0251394145525431	111	-0.836315221662646	0.403158240041985	0.000631990164044615	0.599654237781356
BRCA	WDR82	cg01736403	0.0970379090315895	796	2.74383785895957	0.00620989849653939	0.00941635578922304	0.0294700262081316
BRCA	WDR82	cg03869063	-0.143550065739594	796	-4.08213539096138	4.9151580494792e-05	0.0206066213738419	0.000522291770661364
BRCA	WDR82	cg10989431	0.162473000584726	796	4.63396710347424	4.19337837274134e-06	0.0263974759190045	6.09984437414061e-05
BRCA	WDR82	cg11442381	-0.27817424706159	796	-8.15020052682405	1.4148623018087e-15	0.0773809117282824	1.18240108018569e-13
BRCA	WDR82	cg11665333	-0.0679636864641426	796	-1.91710040467404	0.0555846711769631	0.00461906267779628	0.15571874786779
BRCA	WDR82	cg12661343	-0.0549772338869569	796	-1.54954001712542	0.121651438613124	0.00302249624586116	0.273242443062491
BRCA	WDR82	cg13539115	-0.105255448173008	796	-2.97869689083789	0.00298315808890984	0.0110787093701007	0.0163880940871868
BRCA	WDR82	cg15991175	0.00682346831756671	796	0.192033890574339	0.847764883149289	4.65597198808366e-05	0.918781032859891
BRCA	WDR82	cg17632831	0.056474885193488	796	1.59188476537072	0.111809620738644	0.00318941265761766	0.257859529104176
BRCA	WDR82	cg24007312	-0.00143729160543666	796	-0.040449012965564	0.96774534959953	2.06580715905868e-06	0.983035382413374
BRCA	WDR82	cg26236504	0.140065564058134	796	3.98103853232023	7.49223690595219e-05	0.0196183622349231	0.000751484112766432
BRCA	WDR82	cg26858096	-0.16887249863535	796	-4.82174371671481	1.70644835884415e-06	0.0285179207953463	2.74506707253767e-05
BRCA	ZMYND1	cg00614684	-0.0436522858088532	796	-1.22965634314762	0.219190980426971	0.00190552205633781	0.407089147738816
BRCA	ZMYND1	cg02813021	-0.00258158004141793	111	-0.0858159828887493	0.931628247032169	6.6455551024737e-06	0.963738834733392
BRCA	ZMYND1	cg02867818	-0.0413134814959435	796	-1.16365792016834	0.244913113077802	0.00170680375331566	0.437817202032721
BRCA	ZMYND1	cg03254875	-0.00136613802692786	796	-0.038446567866647	0.969341321290592	1.86633310861834e-06	0.983885741199315

BRCA	ZMYND1	cg05236965	0.131363312655548	796	3.72920753220231	0.000205773751122503	0.0172563199118392	0.00177688569151116
BRCA	ZMYND1	cg08828193	-0.272888836081515	796	-7.98275342240298	5.02174164314432e-15	0.0744683168579241	3.8988160617442e-13
BRCA	ZMYND1	cg12639781	-0.0041534886335728	796	-0.116890539541984	0.906976429211178	1.72514678292184e-05	0.950841639389257
BRCA	ZMYND1	cg13939078	-0.109969112662931	796	-3.11368966687921	0.00191411266144261	0.0120932057398724	0.0114772992434304
BRCA	ZMYND1	cg14255089	0.10342328700989	111	3.45804865875433	0.000564801904351037	0.01069637629593	0.00415412681734751
BRCA	ZMYND1	cg14694828	-0.0149631052454763	796	-0.421146256764117	0.673762548640104	0.000223894518587201	0.811347693707753
BRCA	ZMYND1	cg17632565	-0.0584918053460988	796	-1.64892846276385	0.0995588552779959	0.00342129129264591	0.237520902462476
BRCA	ZMYND1	cg22593633	0.000798591490753676	796	0.0224743638498472	0.982075222389021	6.37748369104179e-07	0.990658193082618
BRCA	ZMYND1	cg24757747	-0.0321530783133009	796	-0.905335929895943	0.3655627685214	0.00103382044502126	0.564465950331934
CESC	ACTL6A	cg03667091	0.225454971986962	309	4.03482399384936	6.91885536016983e-05	0.0508299443936419	0.000702670279228527
CESC	ACTL6A	cg03839554	-0.32486271840772	309	-5.97915350520974	6.30404406431093e-09	0.105535785811254	1.79049581576854e-07
CESC	ACTL6A	cg07261848	-0.40503465920619	309	-7.71123875264714	1.80494934580388e-13	0.164053075158275	1.14905261380906e-11
CESC	ACTL6A	cg10112003	0.288187379525553	309	5.24734220864356	2.90003651790549e-07	0.0830519657178051	5.64578180365214e-06
CESC	ACTL6A	cg20132173	0.0868603166889621	309	1.52020699234882	0.129498328885424	0.00754471461530678	0.28534748611564
CESC	ACTL6A	cg22619386	0.289200263864029	309	5.26746495463535	2.62340880170352e-07	0.0836367926190239	5.16802897745565e-06
CESC	ACTL6A	cg25198545	0.310263077323459	309	5.69044065505183	2.98099218991866e-08	0.096263177150223	7.3784061858903e-07
CESC	ACTL6A	cg25575835	0.0986449079296084	309	1.72836248733696	0.0849386486603713	0.00973081786044091	0.2119420481087
CESC	ACTL6B	cg05729836	0.0245118179570559	309	0.427506598113746	0.669313038155198	0.00060082921955985	0.808277037919501
CESC	ACTL6B	cg08572611	-0.0584519871427798	309	-1.02089071760254	0.308117945918005	0.00341663480093969	0.506680546517933
CESC	ACTL6B	cg09375063	-0.0185948644478307	309	-0.32426860584777	0.745957685618372	0.000345768983833198	0.85731744001272
CESC	ACTL6B	cg14088161	0.0138868225772597	309	0.242148374581734	0.80882846897609	0.000192843841292291	0.896660714384775
CESC	ACTL6B	cg16024950	-0.0707503381132607	309	-1.23667333164437	0.217162918860713	0.0050056103431407	0.404558828272955
CESC	ACTL6B	cg20497359	-0.0654468048943701	309	-1.14355575019333	0.25370762042333	0.00428328427088174	0.447732195073104
CESC	ACTL6B	cg24471254	-0.0926663368883016	309	-1.62267480775053	0.105695472297974	0.0085870499922962	0.247790122079109
CESC	ACTL6B	cg26990587	-0.0537586768837015	309	-0.938671919635638	0.34864439638726	0.00288999534028622	0.547794440086723
CESC	AEBP2	cg02664216	-0.0281519811244613	309	-0.491041185124177	0.623751609400778	0.000792534041232027	0.777142067228808
CESC	AEBP2	cg07849438	-0.0379779471789999	309	-0.66264618318589	0.508059260015291	0.00144232447193091	0.690664772043072
CESC	AEBP2	cg08161947	-0.180437024855893	309	-3.19852590774011	0.00152704027781476	0.0325575199388462	0.00953966463540945
CESC	AEBP2	cg24304000	-0.0896191860873445	309	-1.5688768983289	0.117716878097311	0.00803159851495809	0.267244486377628
CESC	AEBP2	cg26259627	-0.0193830113251201	309	-0.33746144479429	0.736002726607429	0.000375701128029734	0.851099060406994
CESC	AFF4	cg00931577	-0.0507299688638217	309	-0.885647585102185	0.37650746730082	0.00257352974092432	0.575047058235005
CESC	AFF4	cg01907658	-0.0776307413145598	309	-1.35763532372075	0.175586341962953	0.00602653199704811	0.351308160245511
CESC	AFF4	cg05619425	0.0374959422389799	309	0.654224155627298	0.513462013101798	0.00140594568438892	0.695105957491365
CESC	AFF4	cg06638012	-0.0530976422009819	309	-0.927096858157368	0.354611694154201	0.00281935960730349	0.553553358873608
CESC	AFF4	cg13393914	-0.0263755396611962	309	-0.460033291168227	0.645821174244415	0.000695669092419334	0.792357506729068
CESC	AFF4	cg13565585	-0.162535821361905	309	-2.8721002205007	0.00436425742073945	0.0264178932257892	0.0222664215617414
CESC	AICDA	cg07999668	0.0460548837062347	309	0.803847289334122	0.422113289075067	0.00212105231319481	0.617218186950944
CESC	AIRE	cg08089567	-0.120455169594965	309	-2.11561190732132	0.035190830355334	0.0145094478821519	0.111295042555073
CESC	AIRE	cg09510531	-0.0931060888160438	309	-1.63044245477567	0.104043612664132	0.00866874377462103	0.245063848964318
CESC	AIRE	cg11923631	-0.0693575731905285	309	-1.21220977607559	0.226373357114689	0.00481047295887952	0.415900832330731
CESC	AIRE	cg12843033	0.0188101609793329	309	0.328024399566811	0.743119020243362	0.000353822156068418	0.855598162724586
CESC	AIRE	cg15955655	-0.00241488734018416	309	-0.0421051222755908	0.966442537324606	5.83168086578171e-06	0.982360933050189
CESC	AIRE	cg16501323	-0.0113262901178872	309	-0.197493284220627	0.843573520568175	0.000128284847834549	0.9164116319467
CESC	AIRE	cg16717549	-0.0432196395306107	309	-0.754264953438145	0.451273996162421	0.00186793724115593	0.641901758884908
CESC	AIRE	cg17356252	-0.00165319755155881	309	-0.028824523633449	0.977023455365705	2.73306214448004e-06	0.987957241060374
CESC	AIRE	cg18689454	-0.0652916102491986	309	-1.14083240190113	0.254837599787829	0.00426299436893325	0.44910486912748
CESC	AIRE	cg18876487	0.0247349031435824	309	0.43139976143187	0.666483488739425	0.0006118154335224	0.806471593870785
CESC	AIRE	cg23272544	-0.0265895676095553	309	-0.463768925136406	0.643145199571374	0.000707005105663112	0.790570538269399
CESC	AIRE	cg27251412	-0.0862577598290661	309	-1.50958186534221	0.132188784457111	0.00744040113072884	0.289463893994722
CESC	ARID1A	cg04081153	-0.0507000406950797	309	-0.885123749984639	0.376789444492384	0.00257049412648274	0.575297011733636
CESC	ARID1A	cg04360147	-0.00525244030453168	309	-0.0915806892563888	0.927091511195124	2.75881291526688e-05	0.961487742090007
CESC	ARID1A	cg14851949	0.0498543800072514	309	0.8703230665067	0.384810581382041	0.00248545920590743	0.582944606313837
CESC	ARID1A	cg17385674	0.0179694152815052	309	0.313358056871406	0.754223533483932	0.000322899885559192	0.862650928661624
CESC	ARID1A	cg20413923	-0.0584516482757196	309	-1.02088477884379	0.308120755288744	0.00341659518614843	0.506680546517933
CESC	ARID1A	cg21294655	-0.0167965694550016	309	-0.292899515425229	0.769798784570635	0.000282124745456693	0.872397503778688
CESC	ARID1A	cg24542126	-0.00291013920941226	309	-0.0507402257595166	0.959565844839645	8.46891021815859e-06	0.978880726648072
CESC	ARID1A	cg25601319	-0.0139171783169983	309	-0.242677798461035	0.808418656446769	0.000193687852307129	0.896343100489146

CESC	ARID2	cg00035453	-0.0534523690354279	309	-0.933308156785821	0.351401565140273	0.00285715575549958	0.550348956323933
CESC	ARID2	cg01183821	-0.0911428662689178	309	-1.59577205312141	0.111578698373153	0.00830702207171384	0.257473099574792
CESC	ARID2	cg01353809	-0.0795683019999901	309	-1.39173335712431	0.16502059912443	0.00633111468316163	0.336883377676538
CESC	ARID2	cg01751433	-0.0738366072528305	309	-1.29090896417619	0.197716075846992	0.00545184457060875	0.380128127040529
CESC	ARID2	cg06613666	0.00579265985105036	309	0.101000170160067	0.919616904624373	3.35549081499708e-05	0.957668065249702
CESC	ARID2	cg07276957	-0.0119352570716823	309	-0.207770567882408	0.835547692362809	0.000142450361367141	0.911892330069336
CESC	ARID2	cg23465749	-0.0512320355869461	304	-0.887049604084547	0.375765130222232	0.00262472147038211	0.574296625616555
CESC	ARID4A	cg02136725	-0.00688321241818146	309	-0.120015752474742	0.904549946398966	4.73786131938075e-05	0.949386920266611
CESC	ARID4A	cg06154646	0.0498265735584819	309	0.869836432380389	0.385076079139944	0.0024826874325788	0.583176713637135
CESC	ARID4A	cg08066755	-0.0866225230095313	309	-1.51601368080026	0.130554994459335	0.00750346149253678	0.287017329988399
CESC	ARID4A	cg08790491	-0.194790710033691	309	-3.46261914121682	0.000611687204476102	0.0379434207154296	0.00444642070500971
CESC	ARID4A	cg10064886	-0.0193390019706787	309	-0.337250092195043	0.736161106125123	0.000373996997221914	0.851190040128682
CESC	ARID4A	cg10242170	0.0278020944935872	309	0.484933533748777	0.628072738237933	0.00077295645823035	0.780291459300548
CESC	ARID4A	cg10844118	-0.141448734512025	309	-2.49129144301536	0.0132610616445625	0.0200077444950532	0.0531362933865636
CESC	ARID4A	cg12203852	0.0150904812588923	309	0.263141494609455	0.792619779897845	0.000227722624624981	0.886316848603895
CESC	ARID4A	cg14272338	-0.128594816129357	309	-2.26089898283654	0.0244722966302377	0.0165366267353432	0.0848394761164309
CESC	ARID4A	cg14460816	-0.035737675298267	309	-0.623505952736335	0.533419617742824	0.00127718143572436	0.710465103114046
CESC	ARID4A	cg17323045	-0.0435236013377628	309	-0.759579697974397	0.448094466775247	0.00189430387340851	0.639557122251419
CESC	ARID4A	cg19548283	-0.188423100969455	309	-3.34518821263606	0.000925368303921411	0.0355032649789456	0.00629376655317907
CESC	ARID4A	cg20996579	-0.0758541196711842	309	-1.32638317651452	0.185708392312507	0.00575384747109033	0.364455062350131
CESC	ARID4A	cg26429530	-0.0971890401863809	309	-1.70260907260741	0.0896634273326395	0.00944570953234996	0.220282595227579
CESC	ARID4A	cg27026909	-0.201806998771972	309	-3.59254067039958	0.000381805989729484	0.0407260647533508	0.00298905254755112
CESC	ARID4B	cg05652840	0.151655742040202	309	2.67515068101774	0.0078740710125771	0.0229994640937642	0.0354857768713025
CESC	ARID4B	cg06212607	0.0116466050595511	309	0.202744984515654	0.839470433444009	0.000135643409413162	0.914083238611266
CESC	ARID4B	cg06891548	-0.0793726130613026	309	-1.38828882425222	0.166065580326999	0.00630001170417927	0.33835910188689
CESC	ARID4B	cg07814876	-0.0698023335572469	309	-1.22002109576191	0.223402473524933	0.00487236577003716	0.412224194150821
CESC	ARID4B	cg10107779	-0.0455539128860085	309	-0.795085003331271	0.427184371349596	0.00207515897922605	0.62156101045095
CESC	ARID4B	cg11732257	-0.225898554976206	309	-4.04318896258255	6.6886864440256e-05	0.0510301571403379	0.000683129412139329
CESC	ARID4B	cg22596515	0.120464301622241	309	2.1157746592041	0.035176865516438	0.0145116479653343	0.111259923401601
CESC	ARID4B	cg23687319	-0.150156676508751	309	-2.64809464599632	0.00851713015895711	0.0225470275001537	0.0377002346279323
CESC	ARID4B	cg26020585	0.0706344271107329	309	1.23463710957694	0.217919055186154	0.00498922229326143	0.405485706228303
CESC	ASH1L	cg03119126	-0.0874945694368932	309	-1.53139284199334	0.126712264142518	0.00765529968094733	0.281135495442576
CESC	ASH1L	cg08095278	0.0365678253989979	309	0.638008539073758	0.523948406593145	0.0013372058544116	0.703136776707939
CESC	ASH1L	cg09410084	0.112291457545264	309	1.97033018345877	0.0497077868322399	0.0126093714376399	0.143678664220379
CESC	ASH1L	cg10558228	0.0537266493328698	309	0.933470758085014	0.351325156367914	0.00288655284853716	0.550273601000352
CESC	ASH1L	cg17038116	-0.00417638187880596	309	-0.0728183412949518	0.94199856190867	1.74421655976188e-05	0.96909004429298
CESC	ASH1L	cg20064047	-0.205079197336617	309	-3.65332807913937	0.000304789136094069	0.0420574771802312	0.00247735514087368
CESC	ASH1L	cg21852905	-0.0540380850630513	309	-0.943564873569966	0.346141322092472	0.00292011463728157	0.545437785064752
CESC	ASH1L	cg23821590	-0.21310046668426	309	-3.80288474939594	0.000172851820060039	0.0454118089010494	0.00153678108454293
CESC	ASH1L	cg24312492	0.00340345195831523	309	0.0593415562739825	0.952719051791937	1.15834852325598e-05	0.975037248149736
CESC	ASH1L	cg26185843	0.0193451466734966	309	0.337357288899881	0.73608038595776	0.000374234699819096	0.851123637062561
CESC	ASH2L	cg00590869	0.115557177438416	309	2.02839680981491	0.0433913173243516	0.0133534612575335	0.130010173314228
CESC	ASH2L	cg01642070	-0.130382154483073	309	-2.29286284624454	0.0225385254982748	0.0169995062076479	0.0796729246427404
CESC	ASH2L	cg02897270	-0.0161772905694399	309	-0.282097614645391	0.778060612852698	0.000261704730168089	0.877257869682499
CESC	ASH2L	cg03189282	-0.230624327280856	309	-4.13247215040832	4.64507642729938e-05	0.0531875803337473	0.000497123504725998
CESC	ASH2L	cg03705346	0.0282467563672582	309	0.492695620978475	0.622583333167603	0.000797879245271239	0.776447590824338
CESC	ASH2L	cg10062221	0.0879512858390533	309	1.53944877503421	0.124734978805949	0.00773542868074286	0.2779693758409
CESC	ASH2L	cg21453287	0.0524428166073556	309	0.915631726157685	0.360585815814095	0.00275024901371273	0.559551044351745
CESC	ASH2L	cg24318412	0.0830191028196982	309	1.45250161782241	0.147393525045481	0.00689217143298763	0.312119440547354
CESC	ASH2L	cg27255459	0.166816193025715	309	2.94987330258489	0.00342598024427681	0.0278276422555924	0.0183213519710779
CESC	ASXL1	cg00174466	-0.0469789791580542	309	-0.820011883466177	0.412851799615102	0.00220702448273289	0.60844528661496
CESC	ASXL1	cg04218270	-0.0994690236773855	309	-1.74294554998377	0.082354228676999	0.00989408667133228	0.207241536705003
CESC	ASXL1	cg09065199	0.230591316001509	309	4.13184741231116	4.65704563230844e-05	0.0531723550153079	0.000498267374391147
CESC	ASXL1	cg10421984	-0.0527403835219452	309	-0.920841582429549	0.357863296136657	0.00278154805404187	0.556872131121134
CESC	ASXL1	cg12592359	-0.116450112910386	309	-2.0442853056107	0.0417866588186056	0.0135606287968416	0.126404764791173
CESC	ASXL1	cg16926526	0.151774613906553	309	2.6772969576345	0.00782497976644507	0.0230355334264832	0.0353259329126525
CESC	ASXL1	cg18793288	-0.0625301228928472	309	-1.09238766491443	0.275527677490449	0.00391001626899457	0.471931408374265

CESC	ASXL1	cg24727216	-0.0603125149712213	305	-1.0535024868879	0.292947365965911	0.00363759946215379	0.490616507674474
CESC	ASXL2	cg05165989	-0.0511801964124413	305	-0.893528243169808	0.372281162402873	0.00261941250481607	0.570928991924353
CESC	ASXL2	cg05496738	-0.055927490997264	305	-0.976657758183346	0.329515152020353	0.00312788424924904	0.529160850161251
CESC	ASXL2	cg06583696	-0.00399069667993042	305	-0.0695807282302758	0.944573123312209	1.59256599912077e-05	0.970330013006246
CESC	ASXL2	cg09476286	-0.0433529043239543	305	-0.75659505030083	0.449878446256982	0.00187947431332193	0.640947083492668
CESC	ASXL2	cg19084174	0.0481381751396071	305	0.840291925197135	0.401405116890948	0.00231728390577149	0.597967100784984
CESC	ASXL2	cg20667782	0.0179683252720572	305	0.313339042699072	0.754237963690636	0.00032286071308245	0.862654750244047
CESC	ASXL2	cg24738909	-0.0555375889428437	305	-0.96982778613458	0.332903311479719	0.00308442378558428	0.53259326724907
CESC	ASXL3	cg09963640	-0.171611035923819	305	-3.03719814212348	0.00259483656108458	0.0294503476508463	0.0146564085844053
CESC	ASXL3	cg12361352	-0.0688052179768504	306	-1.19656163281957	0.232419087695265	0.0047341580208419	0.423031995230937
CESC	ASXL3	cg17880622	-0.120623802691444	305	-2.11861739078509	0.0349337119856065	0.0145501017757445	0.110697889621518
CESC	ASXL3	cg20034091	-0.0913870365483788	305	-1.60008305653974	0.110618848494903	0.00835159044909473	0.255993654801655
CESC	ASXL3	cg20329085	-0.103248544727934	305	-1.80987259562776	0.0713029805513676	0.0106602619884363	0.186866462370741
CESC	ASXL3	cg24880056	-0.122757820826655	305	-2.15666735780941	0.0318154305681988	0.0150694825741091	0.103079821982527
CESC	ASXL3	cg27109877	-0.0903084860698218	305	-1.5810426508199	0.114908125594368	0.0081556226562232	0.262761984788014
CESC	ATAD2B	cg08192560	-0.0496582759541521	306	-0.865464156520934	0.387468799544755	0.00246594437073872	0.58538700753097
CESC	ATAD2B	cg14009731	-0.156118433146928	305	-2.75580867311675	0.00620815598630196	0.0243729651682519	0.029466582477021
CESC	ATAD2B	cg15717719	0.0755445563513414	305	1.32093902699168	0.187515144398239	0.00570697999432099	0.366834812234487
CESC	ATAD2B	cg16929802	0.150705108277495	305	2.65799089338926	0.00827663925930226	0.0227120296609314	0.0368855387935682
CESC	ATAD2B	cg17933838	-0.105236593829422	305	-1.8451082036215	0.065994287802956	0.0110747406808187	0.176500742972729
CESC	ATAD2B	cg19614157	-0.0857882171130162	305	-1.50130338778089	0.134315033914055	0.00735961819543001	0.292604417482778
CESC	ATAD2B	cg20806130	-0.144195626278831	305	-2.54068888080639	0.0115605897357037	0.0207923786379442	0.0477460457580873
CESC	ATAD2B	cg27610867	-0.261483949496412	305	-4.72346817950465	3.5471093561066e-06	0.068373855844242	5.25207128376393e-05
CESC	ATAT1	cg01245721	0.0343423563878424	305	0.599132856023719	0.549530509154792	0.00117939744226958	0.722436441557885
CESC	ATAT1	cg05093836	-0.0706353235182746	305	-1.23465285667956	0.217913200325566	0.00498934892853131	0.405485706228303
CESC	ATAT1	cg06814856	-0.122789502572314	305	-2.15723247702732	0.0317709864234871	0.0150772619419562	0.102974423707556
CESC	ATAT1	cg07142893	-0.14321812947023	305	-2.52310371709863	0.0121422627530198	0.0205114326089516	0.0496163036352781
CESC	ATAT1	cg07816366	-0.131632469915067	305	-2.31523635895233	0.0212656442344401	0.0173271071359409	0.0763142138377171
CESC	ATAT1	cg08081524	-0.182901006949537	305	-3.24370499714848	0.00131120347908942	0.0334527783431547	0.00840759822814272
CESC	ATAT1	cg08188471	-0.019828911687788	302	-0.341792476779467	0.73274878537774	0.000393185738722096	0.849129113992149
CESC	ATAT1	cg08635134	-0.115064045822235	305	-2.01962438459238	0.0442994956993322	0.0132397346409814	0.132049772719513
CESC	ATAT1	cg09532691	-0.341564407304467	305	-6.33646422342305	8.4623856788184e-10	0.116666244337252	2.84372713390064e-08
CESC	ATAT1	cg12907138	-0.12704650136892	305	-2.23322781888794	0.0262614764975481	0.0161408135100831	0.0893983616136934
CESC	ATAT1	cg13542073	-0.125783327217253	305	-2.21066492959218	0.0278033945853717	0.0158214454058426	0.0932773321573574
CESC	ATAT1	cg13964084	-0.102516748867267	305	-1.79690800135409	0.073342739637155	0.0105096837983142	0.190785296841197
CESC	ATAT1	cg15381130	-0.116985327236412	305	-2.05381107690185	0.0408490230527095	0.0136855667886105	0.124265634143286
CESC	ATAT1	cg15729859	-0.110126315047831	305	-1.93186830991196	0.0543048929893958	0.0121278052660142	0.153270454484322
CESC	ATAT1	cg18298197	-0.0626031537946088	305	-1.09366851583044	0.274966228682792	0.00391915486503145	0.471452058409352
CESC	ATAT1	cg20629923	-0.106233814866567	305	-1.86279105816273	0.0634560504742266	0.0112856234211039	0.171471742352704
CESC	ATAT1	cg22759096	-0.228221017813678	305	-4.0870287579557	5.59674425042805e-05	0.0520848329719111	0.000585127163308426
CESC	ATAT1	cg23328390	-0.140327921820675	305	-2.47115277356136	0.0140157966973411	0.0196919256425096	0.0553980737868588
CESC	ATAT1	cg26934609	-0.132348471908093	306	-2.3242215755837	0.0207746229586172	0.0175161180164072	0.0749636355323838
CESC	ATF7IP	cg00236831	-0.112943221433425	305	-1.98191374118967	0.0483892635516529	0.0127561712677597	0.140793446113524
CESC	ATF7IP	cg11409060	0.104064479432239	305	1.81228938627528	0.070941112517261	0.0108294158795029	0.18615013010314
CESC	ATF7IP	cg12526346	-0.12342385699304	306	-2.16497947674815	0.0311696666883006	0.0152334484750384	0.101554343106322
CESC	ATF7IP	cg12948116	-0.084152149867831	305	-1.47246582721856	0.141929662040083	0.00708158432737789	0.304181035897503
CESC	ATF7IP	cg17439009	-0.0652252104106527	305	-1.13966724608213	0.255322122308166	0.00425432807311392	0.449622627282721
CESC	ATF7IP	cg19789919	0.0404325014892407	305	0.705541693251445	0.481013468170886	0.00163478717667745	0.668249401626621
CESC	ATF7IP	cg21275967	-0.102439359837754	305	-1.7955371396383	0.0735611979969748	0.0104938224439688	0.191179237609254
CESC	ATF7IP	cg26637901	0.0237878835319541	269	0.387348296998396	0.698809285456535	0.000565863402929815	0.827258109185456
CESC	ATM	cg01756564	-0.277987932417104	305	-5.04576628510156	7.78736072765692e-07	0.0772772905695363	1.36844350677059e-05
CESC	ATM	cg01800843	-0.196129810662267	305	-3.48737204537995	0.000559756591730353	0.0384669026304168	0.00412442738180253
CESC	ATM	cg01991180	-0.104978448484747	305	-1.84053165580695	0.0666647420792938	0.0110204746462647	0.1778564746842
CESC	ATM	cg02105423	0.119754250293433	305	2.10312167789543	0.0362768283845368	0.0143410804633423	0.113914603353764
CESC	ATM	cg03165700	-0.070148603461405	305	-1.22610313486417	0.221108772975992	0.00492082656758544	0.409391733713704
CESC	ATM	cg03569616	-0.28520834019719	305	-5.15402288664251	4.63290240475022e-07	0.081343797318036	8.61817335425965e-06
CESC	ATM	cg04709886	-0.309180894624821	305	-5.66849074487048	3.34761165554552e-08	0.0955928256010045	8.14079715947195e-07

CESC	ATM	cg04826772	0.113110202240053	309	1.98488184547435	0.0480562038763194	0.0127939178507856	0.140149365486575
CESC	ATM	cg05033322	-0.0472257021565668	308	-0.822971082365884	0.411171654065519	0.00223026694418076	0.607012187983742
CESC	ATM	cg05637308	-0.0736239016457187	309	-1.28716986720357	0.199014246798579	0.00542047889353846	0.381727706707364
CESC	ATM	cg06053805	0.0136717963401399	309	0.238398195993416	0.811732882138154	0.000186918015166264	0.898558284116917
CESC	ATM	cg06081482	-0.281324443451384	307	-5.09465696523678	6.16709839773929e-07	0.0791434424832311	1.1146915723832e-05
CESC	ATM	cg06750635	-0.0884481553357694	309	-1.54821407221581	0.122611138490233	0.00782307618230039	0.274739642482551
CESC	ATM	cg09808176	-0.12943808339437	309	-2.2759767399279	0.0235428067794434	0.0167542174328078	0.0823955871243484
CESC	ATM	cg10610482	-0.2800496309981	309	-5.08636020680314	6.39808218627508e-07	0.0784277958221722	1.15162518648562e-05
CESC	ATM	cg10976287	-0.261141722765789	309	-4.7168334124768	3.65653940544835e-06	0.068194999369084	5.39663871196071e-05
CESC	ATM	cg11588932	-0.218838941838497	309	-3.91037083133782	0.000113697163224753	0.0478904824649931	0.00107576018301945
CESC	ATM	cg12019961	-0.125669398527759	276	-2.092992107266	0.0372728743682888	0.0157927977263288	0.116253025496975
CESC	ATM	cg12106634	-0.0766991271466695	309	-1.34124590759693	0.180841795596071	0.00588275610506098	0.358020273485195
CESC	ATM	cg12848864	-0.160484013859533	309	-2.83487884720644	0.0048914523466492	0.0257551187044669	0.0243583180037913
CESC	ATM	cg14761454	-0.105949327366736	292	-1.80505513016425	0.0721140253750987	0.0112252599694638	0.188376430946927
CESC	ATM	cg15370815	0.167740108553343	309	2.96668291259751	0.00324916879135705	0.0281367440174871	0.0175629403109248
CESC	ATM	cg15504467	-0.106668394426754	309	-1.87049885529118	0.0623753024747491	0.0113781463695817	0.169357262345408
CESC	ATM	cg16693212	0.0266943854732691	301	0.459431295584712	0.646261708848656	0.000712590215795478	0.792582569344597
CESC	ATM	cg16788234	0.0376818603921271	309	0.657472631756431	0.511374552042216	0.00141992260261176	0.693559369960637
CESC	ATM	cg17114932	-0.22323253099271	309	-3.99295347029153	8.1886855537023e-05	0.049832762893411	0.000809647437677576
CESC	ATM	cg17420659	-0.180023365902364	309	-3.19094726781606	0.00156631611022859	0.0324084122708164	0.00974410199753079
CESC	ATM	cg18042593	-0.0944195001694417	309	-1.65364791066593	0.099231270867228	0.00891504201224721	0.236935560168354
CESC	ATM	cg18391757	-0.0913845725502625	309	-1.60003955141323	0.110628502124642	0.0083511401001942	0.255994932883755
CESC	ATM	cg18457775	-0.296294061888134	309	-5.40894251480767	1.28573761425729e-07	0.0877901711101695	2.7291315678999e-06
CESC	ATM	cg19288979	0.133375550863368	309	2.34644635360802	0.019595315933359	0.0177890375681068	0.0716958897431912
CESC	ATM	cg20342375	-0.235211396827387	309	-4.21943017169726	3.23675620730934e-05	0.0553244011974903	0.000363978335344641
CESC	ATM	cg22477592	-0.226874839759892	309	-4.06160882327692	6.20725430704211e-05	0.0514721929160768	0.000641369559784877
CESC	ATM	cg22678707	-0.211683080799726	309	-3.77640004075125	0.000191369907779571	0.0448097266968635	0.00167236919858503
CESC	ATM	cg22837512	-0.0322766410402389	309	-0.563055833142571	0.573811892275666	0.00104178155684043	0.741099781144667
CESC	ATM	cg23275463	-0.0304283872043977	307	-0.529033961288404	0.597170507514773	0.000925886747860755	0.758135719137755
CESC	ATM	cg23389069	-0.0816767581765229	309	-1.42885693359186	0.154072041322627	0.00667109282622621	0.321504717046353
CESC	ATM	cg24030675	-0.0196518854097662	309	-0.34270851302665	0.732054599685555	0.000386196600158582	0.84866188105116
CESC	ATM	cg24568245	-0.189363001053562	307	-3.35141474579908	0.000906235193324233	0.0358583461680114	0.0061901321842818
CESC	ATM	cg25400013	-0.100972565803649	309	-1.76956069403775	0.0778028101681905	0.0101954590449723	0.198940086570627
CESC	ATM	cg25740661	0.138500149410054	309	2.43833225964035	0.0153276439779113	0.0191822913866072	0.0593735366039751
CESC	ATM	cg25918541	-0.0612381509139206	309	-1.06973133501654	0.285588876477685	0.00375011112735611	0.482823015466805
CESC	ATM	cg27453365	-0.102278091882908	309	-1.79268056066464	0.0740181362370652	0.0104608080792085	0.192015702628593
CESC	ATM	cg27599391	-0.169906583302427	309	-3.00613113184498	0.00286656121112198	0.0288682470495046	0.015881018576985
CESC	ATR	cg00911981	0.0561239904903167	309	0.980100038582332	0.327816070508011	0.00314990230855715	0.527320682042891
CESC	ATR	cg00969988	-0.075366578146552	309	-1.31780917914355	0.188559734468152	0.00568012110152033	0.368183930704938
CESC	ATR	cg11458642	0.12663598975018	309	2.22589403118656	0.0267543062429128	0.0160366739000078	0.0906342318350966
CESC	ATR	cg11936145	-0.191579646396803	309	-3.40334519773387	0.000754915864671331	0.036702760913524	0.00530897891667343
CESC	ATR	cg15135999	0.0681220055585809	309	1.19051331704905	0.234773500902181	0.00464060764132333	0.425842750569709
CESC	ATR	cg15291273	-0.15209998942227	309	-2.68317234443504	0.00769200003772459	0.0231344067822545	0.0348916297921135
CESC	ATR	cg15480357	0.012632075419054	309	0.220265335292398	0.825812360740033	0.000159569329392667	0.906322063580431
CESC	ATR	cg16031872	-0.0450436389166902	309	-0.786160617491464	0.432385752464733	0.00202892940685717	0.626109815585199
CESC	ATR	cg17945282	-0.164330495150366	309	-2.9046883467376	0.00394576200690909	0.0270045116363644	0.0205473331257438
CESC	ATR	cg20032934	-0.115354877439898	309	-2.02479786778979	0.0437619728385831	0.0133067477491739	0.130824221343944
CESC	ATR	cg20636078	-0.00887604876543703	309	-0.154765294999201	0.877109053449654	7.87842416864162e-05	0.934920074586898
CESC	ATR	cg24631870	-0.0316954965758681	309	-0.552907662708545	0.580732978989758	0.00100460450319087	0.746452445640983
CESC	ATR	cg24856922	0.0790538136052733	309	1.38267763559705	0.167778566992422	0.0062495054455373	0.340698664594323
CESC	AURKB	cg02245743	-0.00145021632206948	309	-0.0252854121659318	0.979843899214805	2.10312738079674e-06	0.989664496271231
CESC	AURKB	cg04612488	-0.0964977315417533	309	-1.69038411742501	0.0919795275900682	0.00931181219270428	0.224301914339418
CESC	AURKB	cg05617798	0.0258013312138156	309	0.450011394665066	0.653022948805375	0.000665708692405016	0.797381334352235
CESC	AURKB	cg05811247	-0.109115955706141	309	-1.91392971724057	0.056567944758511	0.0119062917896645	0.157732704481517
CESC	AURKB	cg11009596	0.0696666391302983	309	1.21763781928335	0.22430591997001	0.00485344060771121	0.413498172149658
CESC	AURKB	cg12844497	0.110034257938861	309	1.93023361655505	0.0545079252366179	0.0121075379201559	0.153692987888998
CESC	AURKB	cg13678641	-0.0887916752068325	309	-1.55427480237803	0.121159295451215	0.00788396158603563	0.27249107344122

CESC	AURKB	cg21724796	-0.14667443041983	309	-2.58531674074582	0.0101944422113114	0.0215133885389815	0.0432589558384748
CESC	BAP1	cg00794529	-0.287928077675886	309	-5.24219380900875	2.97523897828637e-07	0.0829025779141308	5.77772693651548e-06
CESC	BAP1	cg02503646	-0.0785677252436268	309	-1.3741228163059	0.170415802926879	0.00617288744995803	0.344220983873232
CESC	BAP1	cg03075736	-0.0491845461163555	309	-0.858601022533994	0.391237142810933	0.0024191195766719	0.588426109319754
CESC	BAP1	cg05442719	-0.0214080520905361	309	-0.373347705870552	0.709149884533352	0.000458304694311109	0.834292720111722
CESC	BAP1	cg05908979	-0.0446365012301597	309	-0.779040466008134	0.436561880066502	0.00199241724207005	0.629635234207039
CESC	BAP1	cg09096430	-0.19154726422679	309	-3.40274802761015	0.000756506445259915	0.0366903544327678	0.00531680028932603
CESC	BAP1	cg10449522	-0.144371098065485	309	-2.54384642001834	0.0114588184153714	0.0208430139566338	0.0474340083970308
CESC	BAP1	cg10956904	-0.186392160568605	309	-3.30238163410705	0.00107342187768353	0.0347420375214325	0.00711943908535559
CESC	BAP1	cg11234564	-0.154201119964809	309	-2.72113457941418	0.0068807566057694	0.0237779853984013	0.0319857531753346
CESC	BAP1	cg12859382	0.13037991015239	309	2.29282269557048	0.0225408683252028	0.0169989209713453	0.0796765473835824
CESC	BAP1	cg16841708	-0.0329569629563798	309	-0.574936605858973	0.565759419313796	0.00108616140730819	0.734997458937947
CESC	BAP1	cg24291822	-0.211932220404959	309	-3.78105355138306	0.00018798599784983	0.0449152660457761	0.00164723842269989
CESC	BAP1	cg24747396	0.0252187839891352	309	0.439844413475057	0.660362329477529	0.00063598706589066	0.802402684338049
CESC	BAP1	cg25749966	-0.310009581357026	309	-5.68529680613246	3.06322539256794e-08	0.0961059405331583	7.5387711543635e-07
CESC	BAZ1A	cg05294307	0.0920238355928601	309	1.60335723501189	0.109904581931517	0.00846838631722175	0.254793337037758
CESC	BAZ1A	cg07414384	-0.129063116291446	309	-2.26927164861335	0.0239522810973372	0.0166572879868592	0.0834719238313065
CESC	BAZ1A	cg23422263	-0.109009383417829	309	-1.91203791289888	0.0568111393805792	0.0118830456731353	0.158225897786509
CESC	BAZ1A	cg26967526	0.0309973767714544	309	0.540717564696372	0.589098225860113	0.000960837366711501	0.752445814195517
CESC	BAZ1B	cg00525989	-0.0463687018725874	309	-0.809336470170433	0.418954627672092	0.00215005651334889	0.61438685830893
CESC	BAZ1B	cg04742505	0.11027456734431	309	1.93450098855328	0.0539792420835884	0.0121604802029749	0.15257834309464
CESC	BAZ1B	cg05166819	-0.0845079175025861	309	-1.4787356108025	0.140246383831649	0.00714158812062389	0.30171881438527
CESC	BAZ1B	cg06059318	0.0626566937803591	309	1.09460753693437	0.27455511671516	0.00392586127548569	0.470996311849236
CESC	BAZ1B	cg06394887	0.00517263536024214	309	0.0901891857943812	0.928196270430635	2.67561565700273e-05	0.962133253322862
CESC	BAZ1B	cg14093368	-0.0175094927963395	309	-0.305335247392558	0.760319790658236	0.000306582337985064	0.866641549931735
CESC	BAZ1B	cg15636799	-0.0733652194085913	309	-1.28262279687545	0.200601358886659	0.00538245541887074	0.383646338550747
CESC	BAZ1B	cg19160975	0.01611271350838	309	0.280971234735457	0.778923595327102	0.000259619536603133	0.877741106792967
CESC	BAZ1B	cg20612831	-0.0386209440029807	309	-0.673881929098693	0.500898435446722	0.00149157731568137	0.68471082212515
CESC	BAZ1B	cg21340129	-0.205476166848418	309	-3.66071120326001	0.000296500768967748	0.0422204551427189	0.00242111691204755
CESC	BAZ1B	cg25710357	0.0780588356244811	309	1.36516776718527	0.173209731940912	0.00609318181904976	0.3481109302111
CESC	BAZ2A	cg14634319	0.100120687128935	309	1.75447956251775	0.0803558530242797	0.01002415199117	0.203648789098606
CESC	BAZ2A	cg18206859	-0.00734352360272846	309	-0.128042161628266	0.898200267902314	5.392733890383e-05	0.946143525445385
CESC	BAZ2A	cg18955060	-0.131748739632536	309	-2.31731749318919	0.0211505057673884	0.0173577303947618	0.0760198132864305
CESC	BAZ2A	cg25683012	0.0353679270878889	309	0.617046929837993	0.537665633458017	0.00125089026649423	0.713530540587394
CESC	BRD7	cg03021120	-0.155553252991679	309	-2.74558424285859	0.00640002337733272	0.0241968145162932	0.0301694632349439
CESC	BRD7	cg16433860	-0.133973994979514	309	-2.35716663658308	0.0190487555020128	0.0179490313307707	0.0700685084648724
CESC	BRD7	cg16834187	0.0577486253135957	309	1.00856482522255	0.313985463585697	0.00333490372561006	0.513068920227392
CESC	BRD8	cg01096096	-0.110175051689092	309	-1.93273376549751	0.0541976586166928	0.0121385420146941	0.153062246947905
CESC	BRD8	cg03204906	-0.0785130551741748	309	-1.37316072267025	0.170714334070008	0.00616429983278301	0.344591357152108
CESC	BRD8	cg03684156	-0.189114762117746	309	-3.35792228088948	0.000885236782818549	0.0357643932508515	0.00606589538294603
CESC	BRD8	cg07430605	-0.0607236033341298	309	-1.06070961475276	0.289663864720208	0.00368735600188074	0.487135008975035
CESC	BRD8	cg07632946	-0.279301586966207	309	-5.07162276912225	6.87216908770976e-07	0.0780093764818415	1.2258966338209e-05
CESC	BRD8	cg08976717	-0.153999185875651	309	-2.71748449619105	0.00695525724157654	0.0237157492503634	0.0322511344013355
CESC	BRD8	cg11110536	-0.087963912153145	309	-1.53967150204155	0.124680657129561	0.00773764984128622	0.277917755822604
CESC	BRD8	cg11346339	-0.135065947790532	309	-2.3767342085733	0.0180855870734273	0.0182428102525547	0.0673867403420937
CESC	BRD8	cg12964860	-0.1485146834885	309	-2.61848040504494	0.00927474788682037	0.0220566112116895	0.040231301360688
CESC	BRD8	cg14473243	-0.0440957878202483	309	-0.769584901097609	0.442143718938592	0.00194443850348836	0.634511428410718
CESC	BRD8	cg22106577	-0.0883485102031963	309	-1.54645613478386	0.123034796715029	0.00780545925512428	0.275426211283679
CESC	BRD8	cg22818036	-0.178242090715175	309	-3.15833247936445	0.00174624121328851	0.0317702429025168	0.0106438211193737
CESC	BRD8	cg23298160	-0.00898801301389961	309	-0.156459720337352	0.875774861148277	8.07843779380288e-05	0.934340215710097
CESC	BRD8	cg26008208	-0.0559937413640376	309	-0.977818320135954	0.328941668622917	0.00313529907194273	0.528657952047333
CESC	BRD8	cg26630792	-0.013378029237355	309	-0.233274785760089	0.81570503079576	0.000178971666275526	0.900838957070414
CESC	BRD8	cg27119451	-0.0709295771786294	309	-1.23982214431453	0.215997367122331	0.00503100491873914	0.403198540561838
CESC	BRD9	cg02364331	-0.180787843101365	309	-3.19967896949565	0.0015216387212549	0.0326842442132437	0.00951332979838496
CESC	BRD9	cg02822723	0.0263887260920436	309	0.460263444690499	0.645656172950664	0.000696364864760903	0.79224512225408
CESC	BRD9	cg05193570	-0.0941094906258719	309	-1.64816985665221	0.100350900680072	0.00885659622586108	0.238831889359853
CESC	BRD9	cg07308931	-0.0584152928797898	309	-1.02024764040761	0.308422256939552	0.00341234644223162	0.507002811604165

CESC	BRD9	cg09497020	-0.065179621386821	308	-1.13699259837751	0.256439743005261	0.00424838304412934	0.450713328980871
CESC	BRD9	cg10551270	-0.209434534809407	308	-3.73443569978856	0.000224593903717653	0.0438628243708328	0.00191265004332907
CESC	BRD9	cg10600960	-0.0615173779668408	308	-1.07462746629407	0.283393739775009	0.00378438779191515	0.48069449670658
CESC	BRD9	cg13722821	-0.169882662785097	308	-3.0056953166837	0.00287055206709164	0.028860119114955	0.0158974676092637
CESC	BRD9	cg17977043	-0.16463783659972	308	-2.91027209106517	0.00387784573217914	0.0271056172402362	0.0202587556839127
CESC	BRD9	cg20079193	-0.175211543209632	308	-3.10291726014567	0.00209630930860707	0.0306990848739006	0.0123474680158209
CESC	BRD9	cg21160852	0.0724309928979828	308	1.26620329009174	0.206409708735565	0.00524624873218764	0.390958241170981
CESC	BRD9	cg21758832	-0.0733479949442408	308	-1.28232003755927	0.200707362877507	0.00537992836234037	0.383735864427555
CESC	BRD9	cg21910709	-0.118765938197497	308	-2.0855155878437	0.0378563103277958	0.0141053480759316	0.117588093657039
CESC	BRD9	cg24953233	-0.249619150357701	308	-4.49453726293429	9.92372947884305e-06	0.0623097202253004	0.000129989326667304
CESC	BRD9	cg25523559	-0.183143076335654	308	-3.2481469290946	0.00129158604247065	0.033541386409687	0.00829984550737732
CESC	BRD9	cg25951128	-0.152277936716133	308	-2.6863859606978	0.0076201294059535	0.0231885700105227	0.0346282111692708
CESC	BRD9	cg26504197	-0.0472532719864606	308	-0.824810311777992	0.410126008115663	0.00223287171342642	0.606046968854589
CESC	BRDT	cg00308185	-0.205513934442477	308	-3.66141373031408	0.000295723257225909	0.0422359772500266	0.002416036029472
CESC	BRDT	cg01515515	-0.219588886635679	308	-3.90503699662607	0.000116345479875355	0.0482192791338973	0.00109712040959519
CESC	BRDT	cg02935097	-0.152336210969707	308	-2.68743841520147	0.00759672371961646	0.023206321172607	0.0345445565968508
CESC	BRDT	cg03421440	-0.413317613682763	308	-7.91405919735345	4.68742682323045e-14	0.170831449780414	3.22988203973773e-12
CESC	BRDT	cg06442199	-0.373478375785676	308	-7.0197768645346	1.45453628295817e-11	0.139486097179507	6.687600212556e-10
CESC	BRDT	cg09250199	-0.217056738802856	307	-3.86416966790896	0.000136460351192429	0.0471136278597313	0.00125689621317226
CESC	BRDT	cg13299824	-0.307819855871721	308	-5.6409193491157	3.87081176132045e-08	0.0947530636688868	9.30837496631106e-07
CESC	BRDT	cg14732540	-0.276123082911899	308	-5.00911334820819	9.2893959562739e-07	0.0762439569167713	1.60555269722811e-05
CESC	BRDT	cg19245011	-0.159448395060759	308	-2.8161062810994	0.00517874023985008	0.0254237906874517	0.0254919588850226
CESC	BRPF1	cg04879506	0.0130124663490023	308	0.226899313880871	0.820654537893175	0.000169324280483917	0.903612057986492
CESC	BRPF1	cg13694772	0.189557227695732	308	3.36607116451289	0.000860412663655691	0.0359319425716916	0.00592379190129086
CESC	BRPF1	cg14712964	-0.0708122833712231	308	-1.23776155183627	0.21675959465387	0.0050143794762464	0.404044482798496
CESC	BRPF1	cg17738494	0.154302044517429	308	2.72295898383775	0.0068437900108713	0.0238091209422586	0.0318329327417472
CESC	BRPF1	cg20952324	0.121591046175084	308	2.1358598069498	0.0334895690182682	0.0147843825099515	0.10714305941041
CESC	BRPF1	cg25467642	-0.115925728098613	308	-2.03495402960349	0.0427228390613685	0.0134387744351936	0.128492250132997
CESC	BRPF1	cg26227975	-0.197776018995022	308	-3.51782957367137	0.000501518760505406	0.0391153536895191	0.00375796093765725
CESC	BRPF3	cg01499736	-0.203711213560569	308	-3.62789972487703	0.000335034402489304	0.0414982585303199	0.00268006851488462
CESC	BRPF3	cg05882415	-0.0852209925208725	308	-1.49130403082828	0.13691860269852	0.00726261756624261	0.296672862388342
CESC	BRPF3	cg10562781	-0.102785660053126	308	-1.80167172438656	0.0725877431141401	0.0105648919125567	0.189277029155373
CESC	BRPF3	cg14654948	-0.15200954598046	308	-2.68153909513401	0.00772876018330742	0.0231069020691855	0.0349971577241104
CESC	BRPF3	cg18779695	0.052992974732482	308	0.925264188766464	0.355562400334272	0.00280825537099747	0.554357927979322
CESC	BRPF3	cg23517469	0.0450570894618078	308	0.786395851519258	0.432248180312175	0.00203014131076935	0.626048461036739
CESC	BRWD3	cg03164831	-0.096268414768368	308	-1.68632947464919	0.0927582894467208	0.00926760768201453	0.225726925964033
CESC	BRWD3	cg05835545	-0.0680632450095786	308	-1.1894816248678	0.235178390832205	0.00463260532123392	0.426368392831522
CESC	BRWD3	cg09523186	-0.0984421162950442	308	-1.72477455882312	0.0855845066754563	0.009690850260647	0.213082140526835
CESC	BRWD3	cg11957438	-0.0366718645481632	298	-0.62491969553765	0.532515148812083	0.00134482564943883	0.709906512869688
CESC	BRWD3	cg15511898	-0.16830528513952	308	-2.97696963057065	0.00314513017161784	0.0283266690058952	0.0171171300245444
CESC	BRWD3	cg22618269	-0.0896561182935784	308	-1.56952867297197	0.117565040367718	0.00803821954747211	0.267031976817282
CESC	BRWD3	cg25063710	-0.151646119813444	308	-2.67497695326447	0.0078780567467904	0.0229965456544735	0.0354999758681614
CESC	BRWD3	cg25708850	-0.117087926243137	307	-2.04886422276166	0.0413393835231862	0.0137095824719183	0.125373513773449
CESC	CARM1	cg12317676	0.121509716370655	308	2.13440975670442	0.0336090096546904	0.0147646117124771	0.107422131067874
CESC	CARM1	cg17918830	-0.263286129875618	308	-4.75843877073687	3.02051463623108e-06	0.069319586184881	4.5415136376297e-05
CESC	CARM1	cg22378614	-0.183822875477325	308	-3.26062439941373	0.00123792721867448	0.0337908495487522	0.00801859367606684
CESC	CARM1	cg26504915	-0.174503678501054	308	-3.08998674326451	0.00218680500537804	0.0304515338103993	0.0127636324617823
CESC	CBX1	cg01544580	-0.0217678974606514	308	-0.379626212934829	0.704487955493204	0.000473841359857433	0.831338136143307
CESC	CBX1	cg01553295	0.0246005113801618	308	0.429054420594858	0.668187513533609	0.000605185160165469	0.807559337370023
CESC	CBX1	cg02835499	-0.0474367314408702	308	-0.828019822042722	0.408308830472668	0.00225024348979325	0.604268484529748
CESC	CBX1	cg04864609	-0.0974258339651511	308	-1.70679705456939	0.0888809228741467	0.00949179312380519	0.218927983854332
CESC	CBX1	cg11729481	0.0171938317293193	308	0.299829022021849	0.764512481877136	0.000295627849536148	0.869332066757534
CESC	CBX1	cg12245530	-0.0204997303797545	308	-0.357500138014764	0.720965488158227	0.000420238945642629	0.841902278313238
CESC	CBX1	cg13342109	-0.0867301799605922	308	-1.51791209725822	0.1300757858568	0.0075221241159967	0.286271236984947
CESC	CBX1	cg17778721	0.0830573543058769	308	1.45317551335989	0.147206493216505	0.00689852410429197	0.311842222402439
CESC	CBX1	cg21511817	-0.0319624700268689	308	-0.557569586511646	0.577548654438856	0.00102159949021849	0.744055974553554
CESC	CBX4	cg04398978	0.0107648168139808	308	0.187701870433165	0.851235585286465	0.000115881281038563	0.920644262005244

CESC	CBX4	cg04925705	0.00644313174692273	309	0.112342172566704	0.9106262483265	4.15139467082035e-05	0.952641210848294
CESC	CBX4	cg05949524	-0.0996350514965448	309	-1.74588391703632	0.0818413243289343	0.00992714348671914	0.206284473329611
CESC	CBX4	cg07159673	0.0452929901026572	309	0.790521542787691	0.429839492805878	0.0020514549524394	0.623880283701158
CESC	CBX4	cg10756274	-0.0322001460389135	309	-0.561720015259548	0.574720676283305	0.00103684940492736	0.741837765530927
CESC	CBX4	cg21365914	-0.063486566783861	309	-1.10916363893322	0.268236257422843	0.00403054416200164	0.463984923790111
CESC	CBX4	cg22353329	0.0114928532685938	309	0.200397979171328	0.841303336692217	0.000132085676253428	0.915016032751748
CESC	CBX4	cg27487227	-0.0322879211629137	309	-0.56325281664984	0.573677938310191	0.00104250985302253	0.741019662434536
CESC	CBX5	cg03689456	-0.0845855143364687	309	-1.48010319513806	0.139881280508423	0.00715470923556495	0.301162435832703
CESC	CBX5	cg05754589	-0.0345936912133451	309	-0.603522849418293	0.54661096070659	0.00119672347176427	0.720131637745067
CESC	CBX5	cg06399839	-0.122119364559589	309	-2.14528039740331	0.0327224466881138	0.0149131392004377	0.105310825027177
CESC	CBX5	cg06621757	0.0149130887354966	309	0.26004750585501	0.795003166683305	0.000222400215632796	0.887764580336702
CESC	CBX5	cg08288469	-0.0458385309935504	309	-0.800063073910171	0.424299000992324	0.00210117092364668	0.619239015518477
CESC	CBX5	cg09060496	-0.0584797766425606	309	-1.02137773910103	0.307887615006907	0.00341988427616378	0.506466402813316
CESC	CBX5	cg09158487	-0.121573376043428	309	-2.13554475786293	0.0335154885366814	0.0147800857625967	0.107203448127624
CESC	CBX5	cg09653879	-0.18473345895251	309	-3.27734542445934	0.00116925968656591	0.0341264508565586	0.00764702715903392
CESC	CBX5	cg11005091	-0.0547142789612887	309	-0.955407201431928	0.340130926457658	0.00299365232225372	0.539386523419093
CESC	CBX5	cg11338003	-0.082885762993842	307	-1.44537444366818	0.149389595319498	0.00687004970707134	0.31484650461327
CESC	CBX5	cg12263485	-0.04175813891635	309	-0.728713651998621	0.466737830319789	0.00174374216575719	0.655949032985831
CESC	CBX5	cg12600134	-0.0868764082502948	309	-1.52049076430291	0.12942706347036	0.00754751031047189	0.285251797093142
CESC	CBX5	cg13445218	0.00603447330711334	309	0.105216553033693	0.916273364687162	3.64148680942634e-05	0.955798304202007
CESC	CBX5	cg14017196	-0.126063994362388	309	-2.21567727404708	0.0274542399847179	0.0158921306746001	0.092401797411575
CESC	CBX5	cg14394617	-0.128445146474664	309	-2.25822338695207	0.0246405344793575	0.016498155652898	0.0852669249271446
CESC	CBX5	cg15708001	-0.112198045965933	309	-1.96867022550835	0.0498991931244238	0.0125884015185737	0.14406597995626
CESC	CBX5	cg20545544	-0.0379965466741773	309	-0.662971179681569	0.507851376161239	0.00144373755916293	0.690514549630122
CESC	CBX5	cg20927027	-0.0741129941374568	309	-1.29576776260244	0.196038474517845	0.00549273590001871	0.377966495941648
CESC	CBX5	cg21826008	-0.0148378864656079	309	-0.258735874142031	0.79601413560929	0.000220162874766271	0.88829222432715
CESC	CBX5	cg24505978	-0.059199984057226	309	-1.03400048090575	0.301957785558167	0.00350463811237581	0.50035153722655
CESC	CBX5	cg25817259	-0.0658682923780977	309	-1.15095241373375	0.250656281449246	0.00433863194080657	0.444303961582474
CESC	CBX6	cg03028106	0.0242246675496351	296	0.41336317760748	0.679644992981943	0.000586834517890343	0.815166956860307
CESC	CBX6	cg04134624	-0.122284972188222	309	-2.14823377326527	0.0324850868298423	0.0149536144230743	0.104730412135961
CESC	CBX6	cg04215348	-0.154574966290197	309	-2.72789300465628	0.00674471211583818	0.0238934202036155	0.0314491809122222
CESC	CBX6	cg04801716	-0.00515673325038993	309	-0.0899119119411178	0.928416423726088	2.65918978156771e-05	0.962169150301036
CESC	CBX6	cg06060673	-0.095047211810709	309	-1.6647414389043	0.0969946163864949	0.00903397247298979	0.232953573127442
CESC	CBX6	cg09913544	0.0714447090653593	309	1.24887248411808	0.212672548555958	0.00510434645343384	0.39894500355338
CESC	CBX6	cg14498989	-0.197659898755167	309	-3.5156801488065	0.000505434871198946	0.0390694355759027	0.00378293249663756
CESC	CBX6	cg24649346	-0.17981890101002	309	-3.18720191579613	0.00158606938912194	0.0323348371604513	0.00984604138748366
CESC	CBX6	cg25836955	0.0728290989248276	309	1.27319979405388	0.203919883812613	0.00530407765020233	0.387857104748501
CESC	CBX7	cg00545295	-0.0107003668765211	309	-0.186577953187397	0.852116001151846	0.000114497851292149	0.921173844440215
CESC	CBX7	cg01525244	0.0172283624964226	309	0.300431354135015	0.764053498168398	0.000296816474308142	0.869038801048487
CESC	CBX7	cg02523424	-0.0921194159191949	308	-1.61036032315764	0.108360455095727	0.00848598678929361	0.25228888698747
CESC	CBX7	cg03804568	-0.111632911844002	309	-1.95862871087124	0.0510703464707191	0.0124619070067708	0.146533638230484
CESC	CBX7	cg10339854	-0.103435856414085	308	-1.81020683196416	0.0712542778224749	0.0106989763921153	0.1867702850137
CESC	CBX7	cg22268271	-0.172823155566169	309	-3.05930849225027	0.00241609198869009	0.0298678430998481	0.0138438843851305
CESC	CBX7	cg26672614	-0.0975755549504118	309	-1.7094452007155	0.0883889894741964	0.00952098892388083	0.21813066799339
CESC	CBX7	cg27062573	-0.0969422093050889	309	-1.69824388315043	0.0904849655447335	0.00939779194495167	0.221615949676888
CESC	CDYL2	cg01442398	-0.131578772352245	308	-2.31046573951911	0.0215338698751293	0.0173129733337239	0.0770583353976898
CESC	CDYL2	cg02461391	-0.118252224191317	308	-2.07294872861423	0.0390221314595532	0.0139835885261935	0.120291951765909
CESC	CDYL2	cg06919916	-0.234695162172173	309	-4.20962903968204	3.37227629069231e-05	0.0550818191470227	0.000377471743536859
CESC	CDYL2	cg10112854	0.159194826657926	309	2.81151132667129	0.00525135474119323	0.0253429928346472	0.0257832321972369
CESC	CECR2	cg03927893	-0.284255429309594	309	-5.1694081588188	4.26387565081666e-07	0.0808011490919814	7.99671992236334e-06
CESC	CECR2	cg12632097	-0.22353186019154	309	-3.99858895964661	8.0057194388209e-05	0.0499664925206902	0.000795499984702559
CESC	CECR2	cg13466481	-0.228058948838334	309	-4.08396709726951	5.66712770795266e-05	0.052010884145246	0.000591531642174251
CESC	CECR2	cg26796679	-0.257903667222437	308	-4.6464899000998	5.04219734255198e-06	0.0665143015667815	7.17491677458367e-05
CESC	CHAF1A	cg03006338	0.0871391291008759	309	1.52512397171176	0.128267821826683	0.00759322782045912	0.283414761735542
CESC	CHAF1A	cg04346879	0.00136380937623381	309	0.0237788511110824	0.981044610224831	1.85997601470326e-06	0.990222054517542
CESC	CHAF1A	cg05297461	0.0460604144495947	309	0.803944028797531	0.422057500741547	0.00212156177926844	0.617171827306163
CESC	CHAF1A	cg07783855	0.189315677417203	309	3.36162227245358	0.000873883850702014	0.0358404257159343	0.00599919875410452

CESC	CHAF1A	cg09700233	-0.126427344521119	309	-2.22216703112803	0.0270078220240584	0.0159838734426616	0.0912704824734837
CESC	CHAF1A	cg18804734	0.0296516990513202	309	0.517222465687056	0.605376987438323	0.000879223256630062	0.764028185606374
CESC	CHAF1A	cg23811775	0.0584256673593271	309	1.02042945563466	0.308336199777091	0.00341355860638274	0.506893479120455
CESC	CHAF1A	cg24085258	-0.215664443552172	309	-3.85085824579251	0.000143542513939862	0.0465111522126681	0.00131111263701276
CESC	CHAF1B	cg00660452	0.0595805211984691	309	1.03895759288091	0.299652815101799	0.00354983850628122	0.497921504966772
CESC	CHAF1B	cg02544117	0.125033644273695	296	2.14978462186735	0.0323963848231338	0.0156334122003609	0.104522410456655
CESC	CHAF1B	cg02908490	-0.0496395237715911	309	-0.866562970651625	0.386864936597137	0.00246408232027036	0.584835473170592
CESC	CHAF1B	cg04634639	-0.0255255833475681	309	-0.445198812626703	0.65649292478289	0.000651555405233644	0.799812237143485
CESC	CHAF1B	cg07872789	0.0433508066472515	309	0.756558372709488	0.4499003942705	0.00187929243696739	0.640958726707798
CESC	CHAF1B	cg13854874	0.0712299534056854	309	1.24509932540782	0.21405414942462	0.00507370626217612	0.400657535737906
CESC	CHAF1B	cg25942896	0.00993338188374603	309	0.173202976554791	0.862607150081962	9.86720756483338e-05	0.926924976980443
CESC	CHD1	cg03255775	-0.00226098126416835	309	-0.0394216561375916	0.968580090323232	5.11203627692029e-06	0.983470202724742
CESC	CHD1	cg03833628	0.0646850735854481	309	1.1301897207524	0.259287201389711	0.00418415874475483	0.454107218643175
CESC	CHD1	cg08865521	-0.132161758272449	309	-2.32471098157198	0.020745863943117	0.0174667303496652	0.0749005228700363
CESC	CHD1	cg11365324	0.0999951298274823	309	1.75225710434027	0.0807378050606784	0.00999902598921504	0.204330550990286
CESC	CHD1	cg12662497	-0.0752886200276165	309	-1.31643828124084	0.189018629039802	0.00566837630566282	0.368774520427405
CESC	CHD1	cg16890600	-0.0201455655142034	309	-0.351321234956505	0.725590729725571	0.000405843809887061	0.844562485903722
CESC	CHD1	cg21082921	-0.155954153402365	309	-2.75283647364367	0.00626338736668609	0.0243216979634483	0.0296708048230409
CESC	CHD4	cg00079216	-0.00351304775897807	309	-0.0612524586357846	0.951198401805525	1.23415045568608e-05	0.974151583971499
CESC	CHD4	cg00824109	-0.215836561812905	309	-3.8540816567845	0.000141752098979757	0.0465854214152159	0.00129795936770613
CESC	CHD4	cg04344119	-0.0211352754603734	309	-0.368588452905032	0.71269105318442	0.000446699868785861	0.836505756872285
CESC	CHD4	cg05147525	-0.0991428926819736	309	-1.73717409827155	0.0833692836675698	0.00982931316934933	0.209004867830071
CESC	CHD4	cg11565429	0.045283468659162	309	0.790355018693202	0.429936561991023	0.00205059253380531	0.623978301248641
CESC	CHD4	cg19509514	-0.188071892011619	309	-3.33872413494693	0.000946382101028044	0.03537103656483	0.00640979010685841
CESC	CHD4	cg20308811	-0.13891695285464	309	-2.44581436855243	0.0150193776663689	0.0192979197904183	0.0584325598208394
CESC	CHRA1	cg00296189	-0.188205096525791	309	-3.34117563671579	0.000938360867434853	0.0354211583582822	0.0063676592220191
CESC	CHRA1	cg07270064	-0.370519673145828	309	-6.95527564528474	2.16112923578661e-11	0.137284828188091	9.61251502394419e-10
CESC	CHRA1	cg08877624	-0.0247442058742182	309	-0.431562109106286	0.666365597684922	0.000612275724345696	0.806409764580623
CESC	CHRA1	cg12002314	-0.0086505749789348	309	-0.150833572275065	0.880207037355662	7.48324474661727e-05	0.936442099333596
CESC	CHRA1	cg18770186	0.129997689687588	309	2.285985362368	0.0229429480998491	0.0168993993241104	0.0807659474361653
CESC	CHRA1	cg19486048	0.164060366855647	309	2.89978140471982	0.00400634045250772	0.0269158039728096	0.0207668742778775
CESC	CHRA1	cg22610305	-0.0193527304864207	309	-0.337489591486946	0.735980764851929	0.000374528177280039	0.851095368368578
CESC	CHRA1	cg23548819	-0.109802252816848	309	-1.92611403566004	0.0550224096396344	0.0120565347236551	0.154681739242052
CESC	CLOCK	cg05960024	-0.116509625579125	309	-2.04534442568265	0.0416815114380615	0.0135744928525878	0.126150462994575
CESC	CLOCK	cg06085476	-0.129626757766645	309	-2.27559893438257	0.0235680217014157	0.0168030963290924	0.0824615759755299
CESC	CLOCK	cg07236904	-0.0605860728359332	309	-1.05829839446676	0.290759611086885	0.003670672221681	0.488338547569963
CESC	CLOCK	cg07500410	-0.13996699804015	309	-2.46466979189212	0.0142667392034738	0.0195907605403713	0.0561559759965109
CESC	CLOCK	cg11774413	-0.150055739617109	309	-2.64627355011581	0.00856206293672074	0.0225167249920376	0.0378538942997984
CESC	CLOCK	cg18928811	0.00996443013712187	309	0.173744401734212	0.862181977209875	9.92898679575825e-05	0.926749841069233
CESC	CLOCK	cg22523077	-0.139939340977307	309	-2.4641730518347	0.0142861302572061	0.019583019153163	0.0562237677558098
CESC	CLOCK	cg23506964	-0.111578493562828	309	-1.95766188821287	0.0511843190374527	0.0124497602257501	0.146762993926103
CESC	CREBBP	cg00039463	-0.0996606143167477	309	-1.74633634193924	0.0817625834875022	0.00993223804599153	0.206180609177916
CESC	CREBBP	cg00747661	-0.0481539390503081	309	-0.840567736830734	0.401250771553014	0.00231880184606079	0.597837751559863
CESC	CREBBP	cg03039399	-0.304789913397799	309	-5.57967694530096	5.33402664270195e-08	0.0928968913090376	1.23572146707074e-06
CESC	CREBBP	cg03264209	-0.124422768916432	309	-2.18637477654481	0.029550445320538	0.0154810254248318	0.0976035256636913
CESC	CREBBP	cg08506924	-0.0977149513057006	309	-1.71191083832129	0.0879329449248893	0.00954821170867544	0.217267127758832
CESC	CREBBP	cg24567591	-0.0511402549625712	309	-0.892829097107453	0.372654907481405	0.00261532567763679	0.571271520929482
CESC	CTCF	cg01866162	-0.0603969064925725	309	-1.05498197998043	0.29227128255512	0.00364778631387254	0.489995978556737
CESC	CTCF	cg04487155	-0.130643427215426	309	-2.29753721387674	0.0222672217723006	0.0170677050745923	0.0789074955839453
CESC	CTCF	cg06241380	-0.0248072125351648	309	-0.432661680056759	0.665567346847966	0.000615397793764836	0.805836605429406
CESC	CTCF	cg07967402	-0.109923384253132	309	-1.92826485678182	0.0547532935265993	0.0120831504056617	0.154155756816918
CESC	CTCF	cg08324636	0.109294736372747	309	1.91710346941798	0.0561619095584622	0.0119453393987883	0.15692897497184
CESC	CTCF	cg10218542	-0.0906425729189939	309	-1.58693991672073	0.113565802140173	0.00821607602537513	0.26074163900734
CESC	CTCF	cg10481400	-0.0396885126169654	309	-0.692538513553127	0.4891278756244	0.00157517803374702	0.675097827626226
CESC	CTCF	cg23858565	-0.131627890506133	309	-2.31515439321404	0.0212701901855275	0.0173259015590944	0.0763234859452457
CESC	CXXC1	cg02159718	-0.0231102243533309	309	-0.403048174931946	0.687196091646872	0.000534082469661289	0.820022590670421
CESC	CXXC1	cg07675399	-0.040332621897978	309	-0.703795964537294	0.482098561191984	0.00162672038916525	0.669213718448953

CESC	CXXC1	cg11871295	0.200078883619885	309	3.56048835371173	0.000429439778393253	0.0400315596705795	0.00329693458209067
CESC	CXXC1	cg13423076	-0.235705736764086	309	-4.22881915767226	3.11182244399623e-05	0.0555571943435005	0.000351862086058492
CESC	CXXC1	cg15632775	0.117904172188991	309	2.07016896120594	0.0392806867885322	0.0139013938195711	0.120892580133207
CESC	CXXC1	cg20016845	-0.221942941576074	309	-3.96215503495015	9.26738370416173e-05	0.0492586693154404	0.000902424393392862
CESC	CXXC1	cg27419474	-0.034364523196796	309	-0.599520032737026	0.549272708408566	0.00118092045454313	0.722268404488363
CESC	DAXX	cg00221327	-0.0548299430610935	298	-0.939951408480514	0.348016732050348	0.00300632265608276	0.547244278449499
CESC	DAXX	cg02173004	-0.154421374086139	309	-2.72511620680404	0.00680031119845942	0.0238459607746513	0.0316647758049292
CESC	DAXX	cg02328295	0.0807856379323681	309	1.41316465772353	0.15863037778507	0.00652631929613967	0.327820943826685
CESC	DAXX	cg03085224	0.00844186366252272	309	0.147194167394526	0.883076334870869	7.12650620966215e-05	0.937893581467281
CESC	DAXX	cg03369465	-0.0852198843827284	309	-1.48882970641276	0.137572270704069	0.00726242869420559	0.297633272905956
CESC	DAXX	cg03382121	0.0602542530935215	309	1.05248109365345	0.293414726766434	0.00363057501585815	0.491143738656654
CESC	DAXX	cg03902329	-0.0828684720707944	309	-1.4498479435062	0.148131796497225	0.00686718366334804	0.313097181157218
CESC	DAXX	cg04086445	-0.161617241873857	309	-2.85073147788671	0.0046612176638791	0.0261201328709129	0.0234444150089747
CESC	DAXX	cg04152866	-0.0297953806271675	309	-0.519730963180097	0.603629326206748	0.000887764706717786	0.762640150488998
CESC	DAXX	cg04271391	0.00953160314039887	309	0.166196729214833	0.868112612770323	9.08514584260615e-05	0.929965141011083
CESC	DAXX	cg04488476	0.050702946356161	309	0.885174607896811	0.376762062257852	0.00257078876919574	0.575266494039006
CESC	DAXX	cg04973788	-0.0488236539679856	309	-0.85228591882273	0.394726354347667	0.0023837491867856	0.59142894414553
CESC	DAXX	cg05431670	-0.0830609601246644	307	-1.44845075917124	0.148528462684506	0.00689912309683108	0.313600847498398
CESC	DAXX	cg05532204	-0.0547972064411651	309	-0.956859618488845	0.339398429141922	0.00300273383375567	0.538642159954847
CESC	DAXX	cg06171013	-0.130741752314426	309	-2.29929645064516	0.0221658559855883	0.0170934057982468	0.0786701309613968
CESC	DAXX	cg07689821	-0.109990431362555	309	-1.92945538891753	0.054604806052253	0.0120978949913209	0.15388561447817
CESC	DAXX	cg08375286	0.0501646475362064	309	0.875753123511339	0.381855687383225	0.00251649186243181	0.580298906922909
CESC	DAXX	cg08567382	-0.0895009871233391	309	-1.56679098263739	0.118203853592591	0.00801042669605211	0.267950799846641
CESC	DAXX	cg09097215	-0.0885397993606022	309	-1.54983089562005	0.122222500331637	0.00783929607081569	0.274113563894236
CESC	DAXX	cg09432361	0.0780843508470902	309	1.36561673887211	0.173068840764804	0.00609716584721148	0.347961560706275
CESC	DAXX	cg09615909	-0.168424819503695	309	-2.97424170254642	0.00317321081172525	0.0283669198248523	0.0172422128858947
CESC	DAXX	cg11111423	-0.237224879212622	309	-4.25068543060478	2.84105181208137e-05	0.0562756433174433	0.00032502468333685
CESC	DAXX	cg12025215	0.0260511021389178	309	0.454370694123757	0.649886294196042	0.000678659922652327	0.795259629164021
CESC	DAXX	cg12832355	-0.35402281054333	309	-6.60003829908616	1.8275843444225e-10	0.125332150384999	6.93198910238926e-09
CESC	DAXX	cg12923297	-0.1355296270515	309	-2.38504590999549	0.0176896068555034	0.0183682798087188	0.0662595828261849
CESC	DAXX	cg13443893	0.0373737653264931	309	0.652089442658129	0.514836196719119	0.00139679833467978	0.696359139734125
CESC	DAXX	cg13826470	-0.0728248813382932	309	-1.27312566898905	0.203946146848923	0.00530346334193649	0.387897573418541
CESC	DAXX	cg14539675	0.066614510536039	309	1.16404928026136	0.245316788116765	0.00443749301395605	0.438231065343066
CESC	DAXX	cg14622330	-0.0605606601589209	309	-1.05785285946284	0.29096238473437	0.00366759355888431	0.488522394047618
CESC	DAXX	cg14746369	0.140303462433847	309	2.47071339768664	0.0140326794953857	0.0196850615709259	0.0554535339156777
CESC	DAXX	cg14910283	-0.359983931478884	309	-6.72756000566761	8.56936242887378e-11	0.129588430922994	3.46849625802189e-09
CESC	DAXX	cg16922466	0.0060228700392749	309	0.105014232116105	0.916433769182551	3.62749635099953e-05	0.955906090953569
CESC	DAXX	cg17079757	0.084322747150207	309	1.47547223562605	0.1411205815069	0.00711032568695773	0.303075288603365
CESC	DAXX	cg17504991	0.1073952072562	309	1.88339219047127	0.060601688745359	0.0115337305416021	0.165845440641471
CESC	DAXX	cg18187593	-0.0720239730991528	309	-1.25905076023917	0.208977915157312	0.00518745270098749	0.394277106486259
CESC	DAXX	cg18279148	-0.20262767769436	278	-3.41888045028791	0.000724794941119298	0.0410579757678094	0.00513334829292013
CESC	DAXX	cg18486541	0.0462129689168688	309	0.806612422185356	0.4205203875155	0.00213563849611148	0.61571685320456
CESC	DAXX	cg18944910	-0.198524141880148	309	-3.53168128088192	0.000476955869230829	0.039411834909249	0.00360026245788309
CESC	DAXX	cg18967278	0.0684755646541693	309	1.19672121713718	0.232347668252202	0.00468890295470732	0.422961378355255
CESC	DAXX	cg20223162	-0.217569974749332	309	-3.86091170455163	0.00013838583242553	0.0473366939124249	0.00127162620454898
CESC	DAXX	cg20763184	0.0550444179717489	309	0.961189474247857	0.33722079239845	0.00302988794984859	0.536795938774427
CESC	DAXX	cg21286626	0.128560543381401	309	2.26028628617438	0.0245107336100924	0.0165278133145212	0.0849386614309557
CESC	DAXX	cg24328964	-0.0586688342682004	309	-1.02469110882533	0.306323636944895	0.00344203211438957	0.5047617111052526
CESC	DAXX	cg24496586	-0.0195986834137764	309	-0.341780368366635	0.732752325975524	0.000384108391553435	0.849129113992149
CESC	DAXX	cg24513883	-0.415248729891654	309	-7.94561747842062	3.83057989624317e-14	0.172431507676632	2.67982133496709e-12
CESC	DAXX	cg24728112	-0.34372619880949	309	-6.38192213456502	6.51756388203146e-10	0.118147699748021	2.22846587574747e-08
CESC	DAXX	cg25642825	-0.0758132833543106	309	-1.32566498470314	0.18594599554074	0.00574765393296099	0.364777053136258
CESC	DAXX	cg26521092	-0.0946750610354863	309	-1.65543469868868	0.0988716577888827	0.00896336718207306	0.236279966394137
CESC	DAXX	cg27052777	-0.395024970201701	309	-7.49724365485394	7.18968417429383e-13	0.156044727082855	4.1492158060461e-11
CESC	DAXX	cg27393652	0.0109863879790107	309	0.191565781232968	0.848210234834203	0.00012070072082535	0.918983416757208
CESC	DIDO1	cg00080059	-0.145291030747977	309	-2.5604042305748	0.0109381119329343	0.0211094836158095	0.0457336063479893
CESC	DIDO1	cg01488865	-0.163420135265382	309	-2.88815412708058	0.00415328659977048	0.0267061406101556	0.0213931522043663

CESC	DIDO1	cg06646488	-0.0962123497044125	309	-1.68533820679754	0.0929494859817799	0.00925681623564416	0.226033094799798
CESC	DIDO1	cg08610063	-0.183461217435345	309	-3.2539856938362	0.00126621362159683	0.0336580183028589	0.00816781280916286
CESC	DIDO1	cg13815390	0.00110886847537261	309	0.0193337943896259	0.98458750803536	1.22958929567518e-06	0.99189844047809
CESC	DIDO1	cg20969846	-0.186959852202729	309	-3.31826554275711	0.00101585416839101	0.0349539863356665	0.0068023352562859
CESC	DIDO1	cg21212389	0.00205335524687146	309	0.0358015475397418	0.971464095795294	4.21626776985454e-06	0.984886394138455
CESC	DIDO1	cg21687703	0.0455422154154047	309	0.794880414624946	0.427303199555854	0.00207409338494313	0.621684793531928
CESC	DIDO1	cg22394521	-0.321402447402291	309	-5.91782711441063	8.78916271442975e-09	0.103299533196182	2.43325311105462e-07
CESC	DMAP1	cg01604592	-0.0272819264964396	309	-0.475853765111359	0.634520336326195	0.000744303513357131	0.784740980588493
CESC	DMAP1	cg11683482	-0.0179028582641598	309	-0.312197035405837	0.755104812071946	0.000320512334026596	0.863290818580719
CESC	DMAP1	cg15990015	-0.0356089157114434	309	-0.621256660369774	0.534896316698031	0.00126799487814468	0.711506122378883
CESC	DMAP1	cg18017761	-0.0242079039014112	309	-0.422202955333536	0.673175321016453	0.000586022611299961	0.810916706769184
CESC	DMAP1	cg18167340	-0.00039665645685536	309	-0.0069159421870062	0.994486456659475	1.57336344765049e-07	0.997126867677569
CESC	DMAP1	cg21437596	-0.0414882200690043	309	-0.723995199352182	0.469625451476214	0.00172127240449413	0.658419590290554
CESC	DMAP1	cg23021241	0.035120623737007	309	0.612727001989723	0.54051494528838	0.00123345821167642	0.715785507766861
CESC	DMAP1	cg23451311	-0.040926873453125	309	-0.714182803809343	0.4756621434922	0.00167500897064811	0.663445285357816
CESC	DMAP1	cg24485408	-0.0478361251975906	309	-0.833632762453249	0.405144632233903	0.00228829487391956	0.601588469775424
CESC	DNMT1	cg04160663	-0.143257380309601	309	-2.52380969388737	0.0121184177507809	0.0205226770131696	0.0495422875875898
CESC	DNMT1	cg04762346	-0.0614059860322232	309	-1.07267422433561	0.284268077483652	0.00377069512058959	0.481542348657852
CESC	DNMT1	cg06128182	-0.0248482854844244	309	-0.433378474061454	0.665047183878669	0.000617437291515456	0.805553610317745
CESC	DNMT1	cg06716436	0.0774361326595325	309	1.35421137807293	0.176674699837397	0.00599635464126472	0.352714645704068
CESC	DNMT1	cg10635912	-0.0550444909710624	309	-0.961190752840973	0.337220150684933	0.00302989598626337	0.536795938774427
CESC	DNMT1	cg11380607	-0.0856247884455041	309	-1.49842222412234	0.135061236387294	0.00733160439633732	0.2937947732052
CESC	DNMT1	cg13393778	-0.124656703388998	309	-2.19055033100137	0.029243533919708	0.0155392936998127	0.0968897562925795
CESC	DNMT1	cg15043801	-0.00561722923750498	309	-0.0979412835517372	0.92204346187562	3.15532643066807e-05	0.959081862757632
CESC	DNMT1	cg21893394	-0.129060756055523	309	-2.26922944645615	0.0239548778814508	0.0166566787536233	0.0834734947327921
CESC	DNMT1	cg23401624	-0.0153791754174789	309	-0.268176802254036	0.788745109648862	0.000236519036521588	0.883804515337629
CESC	DNMT1	cg24477899	-0.106070272280448	309	-1.85989071131213	0.0638667280955621	0.0112509026616483	0.172300188842633
CESC	DNMT1	cg27429799	-0.012876505860778	309	-0.224528165823057	0.822497188918177	0.000165804403182649	0.904585595761027
CESC	DNMT3A	cg02208653	0.0574506169076259	309	1.003342905356	0.316493395527686	0.00330057338306679	0.515747862579459
CESC	DNMT3A	cg03463641	-0.0451080020113098	309	-0.787286255305725	0.431727675340402	0.00203473184545233	0.625562457401539
CESC	DNMT3A	cg06112956	0.00702083977092386	309	0.122415541343302	0.902650815802971	4.92921910889862e-05	0.948530579521868
CESC	DNMT3A	cg07150430	0.196513490281524	309	3.49446798947279	0.000545648684320985	0.0386175518626268	0.004038454357156
CESC	DNMT3A	cg12066181	0.0395855958062739	309	0.690739880521412	0.490256098500788	0.00156701939533769	0.676153446419745
CESC	DNMT3A	cg13076778	-0.131988137751265	309	-2.32160283319368	0.0209151376441467	0.0174208685070468	0.0753727807425187
CESC	DNMT3A	cg13344237	-0.0066809950646531	309	-0.116489729145492	0.90734134224734	4.4635695053919e-05	0.95094389344564
CESC	DNMT3A	cg15990840	-0.0498686452918885	309	-0.870572720688604	0.38467441876462	0.0024868817832482	0.582792651226593
CESC	DNMT3A	cg15998962	-0.134363066296472	309	-2.36024612137432	0.0188963442136218	0.0180534335845902	0.0696957235802434
CESC	DNMT3A	cg21629895	-0.198533815856195	309	-3.53186043931464	0.000476645687954759	0.0394156760384214	0.00359917409115333
CESC	DNMT3A	cg21708767	0.0888589886132239	309	1.55546248001807	0.120876378350985	0.00789591985736506	0.2720041936142
CESC	DNMT3A	cg22731525	0.099760101959045	309	1.74809716240589	0.0814567148883976	0.00995207794287905	0.205614837536195
CESC	DNMT3A	cg25044635	-0.0596909919243908	309	-1.04089084927369	0.298756040298711	0.00356301451691769	0.496962118566466
CESC	DNMT3A	cg26470599	-0.20915773374681	309	-3.72927409486252	0.000229037335922459	0.0437469575861015	0.00194431803914794
CESC	DNMT3A	cg26995204	-0.152592819429799	309	-2.69207320014563	0.00749441885734574	0.0232845685415353	0.0341517452931172
CESC	DNMT3B	cg00300969	0.0750486564396043	309	1.31221866031571	0.190436298172158	0.00563230083338975	0.370675298627769
CESC	DNMT3B	cg13636640	-0.0447683623893998	309	-0.776188993845126	0.438248899764125	0.00200420627102862	0.630973774496373
CESC	DNMT3B	cg14224313	0.169602846844898	309	3.00059786152251	0.00291761233359131	0.0287651256578938	0.0161007827111728
CESC	DNMT3B	cg16523653	-0.0162390668466649	309	-0.283175145425323	0.777235313775142	0.00026370729205045	0.876814396957952
CESC	DNMT3B	cg16953106	0.0114433679550969	309	0.199535003008991	0.841977663972626	0.000130950670155738	0.915480661808666
CESC	DNMT3B	cg17475857	0.0524801515161587	309	0.91628537916127	0.360243520906317	0.00275416630315897	0.559153720378811
CESC	DNMT3B	cg17721173	0.118241273435289	309	2.07617160974212	0.0387182042509306	0.0139809987435988	0.1195522765588
CESC	DNMT3B	cg22605822	0.114337189082708	309	2.0066969294364	0.0456671809261806	0.013072992807335	0.135040013416881
CESC	DNMT3B	cg24403338	0.0525492278522197	309	0.917494765640005	0.359610748772589	0.0027614213478645	0.558475598395442
CESC	DNMT3B	cg25803642	-0.0623979066434986	309	-1.09006883784116	0.276546111960647	0.00389349875349077	0.473159765854372
CESC	DNMT3L	cg09247319	-0.0266926988703688	309	-0.465568996174525	0.641857397425163	0.000712500172984187	0.789630463145797
CESC	DNMT3L	cg15635600	0.0210497744787662	309	0.367096696949526	0.713802295502291	0.000443093005606916	0.837124716669098
CESC	DNMT3L	cg27187798	0.0375878275283068	309	0.655829623297747	0.512429787489134	0.00141284477829774	0.694300593700879
CESC	DPF1	cg06168449	-0.191758362085942	309	-3.40664115946576	0.000746192972646076	0.036771269429883	0.00525856835891193

CESC	DPF1	cg06615189	-0.0873551368424797	309	-1.52893361133794	0.127320729395015	0.00763091993276835	0.282114815126152
CESC	DPF1	cg07480327	-0.0890738626387006	273	-1.46402142799993	0.144360047041304	0.0079341530053781	0.30765122564941
CESC	DPF1	cg08057062	-0.135302296077347	309	-2.38097068027602	0.0178827917470169	0.0183067113238021	0.0667951214249176
CESC	DPF1	cg13322582	-0.121145545192329	309	-2.12791738867187	0.0341482859913353	0.0146762431199466	0.10874055507204
CESC	DPF1	cg13917712	-0.0467129027118388	309	-0.815357368678942	0.415506118805071	0.00218209527976572	0.611115902431492
CESC	DPF1	cg17121541	0.0247582572336524	309	0.431807328235436	0.666187544056747	0.0006129713012477	0.806307177010511
CESC	DPF1	cg22145401	-0.113555411841969	309	-1.99279633403939	0.0471775455448912	0.0128948315585991	0.138306155158145
CESC	DPF1	cg27400772	-0.096524721439649	193	-1.33322088573983	0.184064065140638	0.00931702184900183	0.362425773457967
CESC	DPF2	cg02186298	0.0297786910230551	309	0.519439582275975	0.603832213228461	0.000886770439046581	0.762759165314522
CESC	DPF2	cg14699126	-0.1010501401303	309	-1.77093421660734	0.0775736260839136	0.0102111308203533	0.198570717237734
CESC	DPF2	cg15918224	-0.0966895102748608	309	-1.69377524350752	0.091332266361278	0.00934886139719241	0.223178236251704
CESC	DPF2	cg15929437	-0.0325931610365799	309	-0.568583268109758	0.570058757818828	0.00106231414635643	0.738159575980524
CESC	DPF2	cg18224556	-0.161186492820906	309	-2.84761808415977	0.00470483025115196	0.0259810854679041	0.0236286355428093
CESC	DPF2	cg19517014	-0.128570564787282	309	-2.26046543879851	0.0244994891949922	0.0165303901297208	0.0849110426104972
CESC	DPF3	cg00888802	-0.0529782781955509	309	-0.925006862996064	0.355696018582987	0.00280669796056519	0.554496043717711
CESC	DPF3	cg05151458	-0.0947987073634335	309	-1.66034938871135	0.0978752396861317	0.00898679491777791	0.234439738893354
CESC	DPF3	cg07171024	-0.0878064058726049	309	-1.53689315937947	0.125359605080085	0.00770996491226462	0.278962312879866
CESC	DPF3	cg10266394	-0.0555218908266937	309	-0.969552809249638	0.333040191549114	0.00308268036097129	0.532680798169576
CESC	DPF3	cg12913429	-0.0590832684891812	304	-1.02343309673731	0.306930415595726	0.00349083261536468	0.505415506018965
CESC	DPF3	cg13819165	-0.0705944091492567	309	-1.23393412106827	0.218180546017588	0.00498357060313266	0.405803504922589
CESC	DPF3	cg14238615	-0.092093718218923	309	-1.6125616770251	0.107877373840156	0.00848125293538639	0.251489733908334
CESC	DPF3	cg14242696	-0.195624031063353	309	-3.47802047386283	0.000578870861008863	0.0382687615294758	0.00424443933857389
CESC	DPF3	cg15392845	-0.0777407740944717	309	-1.35957131006712	0.174973184993096	0.00604362795680768	0.350478390054429
CESC	DPF3	cg15740492	-0.0641061453532017	309	-1.12003264828341	0.263583941248202	0.00410959787204582	0.459007658439384
CESC	DPF3	cg16696021	-0.0231728269353569	309	-0.404140565641951	0.68639352099469	0.000536979908176004	0.819504858532504
CESC	DPF3	cg19710444	-0.0803025473784465	309	-1.40465905195649	0.161143612220548	0.00644849911546764	0.331289803622762
CESC	DPF3	cg19839347	-0.0307324670968913	309	-0.536092098598013	0.592286932593742	0.000944484533861506	0.754657521524462
CESC	DPF3	cg20548765	-0.0833756424258178	309	-1.45878320524909	0.145657209042227	0.00695149774991782	0.309571808874437
CESC	DPF3	cg21035356	-0.0775719247192245	309	-1.3566004878047	0.175914750454854	0.00601740350464503	0.35172357562875
CESC	DPF3	cg22784589	-0.101713707780382	309	-1.78268460928753	0.0756354761368806	0.0103456783504329	0.195056189552342
CESC	DPF3	cg23515460	-0.0366231629303703	309	-0.638975323371982	0.523320122663995	0.00134125606302445	0.702735882977571
CESC	DPF3	cg24383902	-0.0789818834808877	309	-1.38141165269599	0.168166884282861	0.00623813791818851	0.341264499697428
CESC	DPF3	cg25495195	-0.0959198447438086	309	-1.68016678570399	0.0939521148255734	0.00920061661567634	0.227748685676825
CESC	DPF3	cg26057784	0.0476741247217527	309	0.83217299611024	0.405964530710636	0.00227282216798523	0.602300080139281
CESC	EED	cg00080012	-0.0291479516874977	309	-0.508427930131681	0.611522020465753	0.000849603087576699	0.768455006059296
CESC	EED	cg01739327	0.054060459597325	309	0.943956702640045	0.345941373939998	0.00292253329187401	0.545222107866455
CESC	EED	cg02172616	-0.345996382577493	309	-6.42978318283991	4.94370342013886e-10	0.119713496756711	1.72222716757492e-08
CESC	EED	cg04607174	-0.480311636030482	309	-9.5479871724714	4.57747587525106e-19	0.230699267706278	5.52950556272175e-17
CESC	EED	cg06358433	-0.334516305737131	309	-6.18904203092773	1.95537408155774e-09	0.111901158804018	6.11892080855602e-08
CESC	EED	cg10086030	-0.416729022191171	309	-7.99303951030296	2.76483899052633e-14	0.173663077936409	1.96427291715987e-12
CESC	EED	cg10535675	-0.297355521709635	302	-5.367312860058	1.61270870303606e-07	0.088420306291209	3.34379160031949e-06
CESC	EED	cg12672785	0.0788613304625247	309	1.37928994694556	0.168819198916741	0.00621910944231952	0.342074663071978
CESC	EED	cg16265078	-0.343098586016237	309	-6.36871296326536	7.03233447407864e-10	0.117716639726341	2.38792417318408e-08
CESC	EED	cg18574463	0.0535352425276471	309	0.934759330027768	0.350654243049916	0.00286602219249399	0.549661196235371
CESC	EED	cg19325359	-0.365249531821685	301	-6.75037641054094	7.77974236293789e-11	0.13340722049596	3.17033670708429e-09
CESC	ELP3	cg01209934	-0.048958186782544	309	-0.854640014124204	0.393423467796663	0.00239690405303447	0.59022245210247
CESC	ELP3	cg02516513	-0.063776782164146	309	-1.11425460563602	0.266050134080593	0.00406747794321294	0.461865217590503
CESC	ELP3	cg04720865	-0.25910516378586	309	-4.67738990057063	4.37739387155015e-06	0.0671354859004973	6.33058533223871e-05
CESC	ELP3	cg05621091	-0.0630668148360539	309	-1.10180083745561	0.271419819583577	0.00397742313356511	0.46770109078733
CESC	ELP3	cg15692687	-0.031788267206122	309	-0.554527621579536	0.579625530646151	0.00101049393196781	0.745595656713902
CESC	ELP3	cg17572663	-0.00640937073472298	309	-0.111753492739549	0.911092614374841	4.10800332151234e-05	0.952780078345478
CESC	ELP3	cg18022570	-0.00484762488443221	309	-0.0845222210691399	0.932696869833015	2.34994670201664e-05	0.964292913705755
CESC	ELP3	cg18249244	-0.0454354595742197	309	-0.793013270590018	0.428388558834589	0.00206438098672055	0.622579527844309
CESC	ELP3	cg19781013	-0.0527267382658866	309	-0.920602673406287	0.357987857942934	0.00278010892815931	0.556963869861457
CESC	ELP3	cg22414525	-0.0801326823137659	309	-1.40166853445975	0.162034394811878	0.00642124677479893	0.332602303261144
CESC	ELP3	cg22487209	-0.0461062659138058	309	-0.804746029819889	0.421595164946265	0.00212578775651457	0.616716012520068
CESC	ELP3	cg25374552	0.0761048719340157	309	1.33079332539148	0.184254303309631	0.00579195153209292	0.36267184352578

CESC	ELP4	cg04972224	-0.0549271275525344	309	-0.95913513621546	0.338252863584235	0.00301698934117238	0.537668688209721
CESC	ELP4	cg05195750	0.133339664035465	308	2.34194216715889	0.0198311737965546	0.0177794660050908	0.0723365438000455
CESC	ELP4	cg05635455	-0.312789657934684	309	-5.7417828029543	2.26965710574119e-08	0.0978373701108965	5.7738948621331e-07
CESC	ELP4	cg08111895	0.23418393434938	309	4.19992668119004	3.51175435367458e-05	0.0548421151073545	0.000391226433037033
CESC	ELP4	cg08626560	-0.349757756593381	309	-6.50936523838041	3.11203098655587e-10	0.122330488297235	1.13129597461742e-08
CESC	ELP4	cg09616795	0.265490351560708	309	4.80128363643029	2.477532398282e-06	0.0704851267718283	3.8135566955273e-05
CESC	ELP4	cg10583382	-0.188719618153269	309	-3.35064671212351	0.00090796269462512	0.0356150942759155	0.00619775925733841
CESC	ELP4	cg11385473	-0.021347814523057	309	-0.372296707590817	0.709931350108343	0.000455729184910842	0.834808099676957
CESC	ELP4	cg13263383	-0.177566607889898	306	-3.13041155242033	0.00191698319601065	0.0315299002375249	0.0114909686200072
CESC	ELP4	cg19328333	0.278815019013356	309	5.06204212773696	7.19842673183804e-07	0.077737814827418	1.27532318190984e-05
CESC	ELP4	cg24001477	0.302300563955332	308	5.52039903573147	7.27393052274437e-08	0.091385630967712	1.63038405854445e-06
CESC	ELP4	cg24531794	0.0832216566449555	309	1.45607018332403	0.146405184714654	0.00692584413473086	0.310618401824305
CESC	ELP4	cg25130734	-0.104510117007292	309	-1.83222976810905	0.0678953355829514	0.0109223645568779	0.180347563442008
CESC	EP300	cg00500400	-0.0127308418347308	309	-0.221987802086694	0.824472431671305	0.000162074333820931	0.905662360201037
CESC	EP300	cg02046995	-0.00848732485790195	309	-0.147986895616948	0.882451217279283	7.20346832435604e-05	0.937603060526493
CESC	EP300	cg07519229	-0.152024722504632	309	-2.68181315162105	0.00772258086769599	0.0231115162526105	0.034978359814413
CESC	EP300	cg08131204	-0.123934058500195	306	-2.16688121879312	0.0310281319303851	0.0153596508563298	0.101182197157628
CESC	EP300	cg09331127	-0.0241927465070064	309	-0.42193844479755	0.673368174104718	0.000585288983552269	0.811073665133348
CESC	EP300	cg24349919	0.0514923280330397	309	0.898992028753065	0.369368414092799	0.00265145984626216	0.568066877739158
CESC	EPC1	cg02900516	-0.0766788245630222	309	-1.34088877403172	0.180957607287065	0.00587964213636673	0.358176630315496
CESC	EPC1	cg16942190	-0.0718580561531065	309	-1.25613529521007	0.210031397399139	0.00516358023410301	0.395621853008926
CESC	EPC1	cg26211455	-0.100438973116892	309	-1.7601138422492	0.0793941516813525	0.0100879873207757	0.201908749130407
CESC	EPC2	cg00066942	-0.0390444134663928	309	-0.68128210428065	0.496211642015012	0.00152446622293464	0.681049495299463
CESC	EPC2	cg03664802	-0.201612102902367	309	-3.58892408470247	0.00038692106760422	0.0406474400367147	0.00302149543597698
CESC	EPC2	cg04098458	-0.0137274459519325	308	-0.23897473044154	0.811286732327424	0.000188442772363227	0.898242888215414
CESC	EPC2	cg05586854	0.0716770535144719	309	1.2529548664337	0.211185022232639	0.00513760000051647	0.397090511260127
CESC	EPC2	cg10458926	-0.08427274686283	309	-1.47459107509653	0.141357348290446	0.00710189586380662	0.303383826327888
CESC	EPC2	cg11721798	-0.0499264268410508	309	-0.87158395065787	0.384123191904084	0.00249264809711479	0.582278128451696
CESC	EPC2	cg12432635	-0.0912411841266572	309	-1.59750789127712	0.11119142074865	0.00832495368083457	0.256875494022702
CESC	EPC2	cg16434205	-0.0287524347736602	309	-0.501523178333203	0.616365961726546	0.000826702505413587	0.77202072547389
CESC	EPC2	cg21347644	-0.0937613062305655	309	-1.64201780684365	0.101620325164467	0.00879118254606189	0.241044187221889
CESC	EPC2	cg21650422	-0.0929302939984807	309	-1.62733715228502	0.104701493140758	0.00863603954264406	0.246151343529529
CESC	EZH1	cg00728999	-0.152614420779419	309	-2.69246338265947	0.00748586317337401	0.0232911614298376	0.0341217108870603
CESC	EZH1	cg01716316	-0.0744227789704737	309	-1.30121404383783	0.194170518801242	0.00553875002968798	0.37546222139877
CESC	EZH1	cg03623386	-0.101732056095176	309	-1.78300955358113	0.0755824482200012	0.010349411237352	0.194962066939447
CESC	EZH1	cg05375741	-0.149321333025778	308	-2.62869178365193	0.00900839615036191	0.0222968604965952	0.0393773765309465
CESC	EZH1	cg05979501	-0.167887327252288	309	-2.9693621338593	0.00322177220269927	0.0281861546519167	0.0174585223416542
CESC	EZH1	cg06975499	-0.0919340366436969	309	-1.60974179753444	0.108492108016255	0.0084518670936046	0.252506658220391
CESC	EZH1	cg12812489	-0.0712612708517548	309	-1.24564954775871	0.213852272735291	0.00507816872340716	0.400433825282079
CESC	EZH1	cg19395400	-0.0914901172158301	309	-1.60190310782239	0.110215584414218	0.00837044154816634	0.255390642637089
CESC	EZH1	cg22227424	-0.0151890479193189	309	-0.264860654104874	0.791296302370725	0.000230707176695364	0.88544340533514
CESC	EZH1	cg27088844	-0.0900003299698154	309	-1.57560358893119	0.116157243770642	0.00810005939467566	0.264739009811424
CESC	EZH2	cg01893439	-0.0784017526255421	309	-1.37120203907632	0.171323316649217	0.0061468348147567	0.345451985924756
CESC	EZH2	cg02303805	-0.0136148302195689	309	-0.237404680355325	0.812502771679604	0.000185363601907686	0.898992480887438
CESC	EZH2	cg06816161	0.0168646741695482	309	0.294087466429339	0.768891762562661	0.000284417234845027	0.87185222756861
CESC	EZH2	cg13751213	-0.0351302955694489	309	-0.612895948723307	0.540403370020751	0.00123413766679684	0.715686484183011
CESC	EZH2	cg18494018	-0.0968682053074842	309	-1.69693518852736	0.090732447092516	0.00938344919949291	0.222053544960982
CESC	EZH2	cg20101066	0.0486162154259637	309	0.848656188441771	0.39674037957646	0.00236353640234371	0.59334793127912
CESC	FBXL19	cg00026853	-0.0244975956940273	309	-0.427258400961759	0.669493588358042	0.000600132194788024	0.808421951303462
CESC	FBXL19	cg02291855	0.0780023025641609	309	1.36417300815286	0.173522202767405	0.0060843592053109	0.348489350511559
CESC	FBXL19	cg03181514	-0.0118791518068125	309	-0.20713470438811	0.836043335951515	0.000141114247649298	0.912215704185421
CESC	FBXL19	cg03627896	-0.0245613475756681	309	-0.42837095697845	0.668684413121691	0.000603259794732776	0.807871212349378
CESC	FBXL19	cg04477789	-0.297225196203066	309	-5.42758502058998	1.16915547820749e-07	0.0883428172579513	2.50146538150916e-06
CESC	FBXL19	cg05643349	-0.12464455446514	309	-2.19033347271568	0.0292594053017753	0.0155362649578133	0.0969180685916022
CESC	FBXL19	cg05768582	0.00699799986389292	309	0.122017284606421	0.90296594740312	4.89720020950453e-05	0.948698233430593
CESC	FBXL19	cg06862768	0.0363059469791667	309	0.633433424585626	0.52692689771298	0.00131812178605406	0.705564125061723
CESC	FBXL19	cg07697662	0.0106827484886592	309	0.186270713419345	0.85235670842043	0.00011412111527195	0.921318833625473

CESC	FBXL19	cg08535091	-0.147757901808523	309	-2.60483890604655	0.00964364597508921	0.0218323975468572	0.0414164621279723
CESC	FBXL19	cg08593668	0.00997396712567108	309	0.173910709603587	0.862051386245231	9.94800202239674e-05	0.926731466972557
CESC	FBXL19	cg09011601	-0.218944572484179	309	-3.91235332672586	0.000112812167763955	0.0479367258202801	0.00106895368806688
CESC	FBXL19	cg11940219	-0.16616998226357	307	-2.92844015325565	0.0036659198935781	0.027612463005475	0.0193397566812028
CESC	FBXL19	cg26666512	-0.0334049427257691	309	-0.582760317246701	0.560486667832235	0.00111589019851191	0.731149869233017
CESC	FBXL19	cg27602786	-0.127830989390481	309	-2.24724594055175	0.0253413650243613	0.0163407618485492	0.0870800896994199
CESC	FBXW9	cg02753619	-0.0447344993557361	309	-0.780754252268107	0.43555457769612	0.00200117543260835	0.628730290530912
CESC	FBXW9	cg03160342	0.0969275988153162	309	1.69798550743185	0.0905337825672579	0.00939495941210289	0.221707592188033
CESC	FBXW9	cg05868316	0.00866400634506292	309	0.151067782475701	0.880022440335217	7.50650059472906e-05	0.936347006362666
CESC	FBXW9	cg06489804	0.180491561839688	309	3.19952520984987	0.00152193002944421	0.03257720389533	0.00951438642804426
CESC	FBXW9	cg12110584	0.0142743651583636	309	0.248907420502841	0.803600472592771	0.000203757500674303	0.893015475584586
CESC	FBXW9	cg14342428	0.0782098729380326	309	1.36782549359445	0.172376967957831	0.0061167842249832	0.3469212460628
CESC	FBXW9	cg15828427	0.00582225205592139	309	0.101516153985628	0.919207657862538	3.38986190026808e-05	0.957421314192964
CESC	FBXW9	cg19721801	0.0638936654507421	309	1.11630505577981	0.265173137011987	0.00408240048473136	0.460856955022352
CESC	FBXW9	cg21564527	0.123768056508051	309	2.174690618449	0.0304240913132584	0.0153185318117801	0.0997434261715043
CESC	FBXW9	cg22303873	0.148242440874724	309	2.61357250839011	0.00940598574695689	0.0219758212764962	0.0406245422606465
CESC	FKBP1A	cg04613791	0.272434787046983	309	4.93680102455319	1.31167092797311e-06	0.0742207131933351	2.17476829008397e-05
CESC	FKBP1A	cg07516946	0.22922349681726	309	4.10597466335764	5.17936746583186e-05	0.0525434114931326	0.000547079039561335
CESC	FKBP1A	cg10996143	0.0181401015285491	309	0.316335529040396	0.75196494187739	0.000329063283466071	0.861105248249702
CESC	FKBP1A	cg21332426	-0.00587673494149692	309	-0.10246614431319	0.918454240056464	3.45360135726108e-05	0.956976694729708
CESC	FKBP1A	cg21775445	0.0605047109506974	309	1.05687196532842	0.291409149914529	0.00366082004722744	0.489011505688452
CESC	FKBP1A	cg24641773	-0.100995940400664	309	-1.7699745586703	0.0777336950287222	0.0102001799774146	0.198823444716897
CESC	FKBP1A	cg26779912	0.0254606942548604	309	0.444066328812833	0.657310557155372	0.000648246951939479	0.800382192013289
CESC	FKBP2	cg03764062	0.143451533790471	309	2.52730197264444	0.0120010752461073	0.0205783425468385	0.0491374551418774
CESC	FKBP2	cg04446112	-0.0390700451882249	309	-0.681730033181809	0.495928709209708	0.00152646843100993	0.680812416253619
CESC	FKBP2	cg06615912	0.00846161637138265	309	0.147295742481576	0.882996554340519	7.15989516164509e-05	0.93786761001864
CESC	FKBP2	cg09854726	-0.103537341630771	309	-1.81498977683016	0.0705108462170834	0.0107199811119669	0.185371253780264
CESC	FKBP2	cg10998122	-0.019125947034281	309	-0.33353329041492	0.738961698514222	0.00036580184995812	0.853018352990141
CESC	FKBP2	cg12423493	-0.0391533525293946	309	-0.683185885611629	0.495009722711422	0.00153298501429105	0.679994759013836
CESC	FKBP2	cg15010817	-0.012051146796896	309	-0.210134183628188	0.833703711530324	0.000145230139120336	0.910811347482481
CESC	FKBP2	cg16977872	0.112827971271332	309	1.97986525467625	0.048620264867422	0.0127301511012044	0.141317574634643
CESC	FKBP2	cg19924313	-0.0357512045085246	309	-0.623742295382911	0.533264575062725	0.00127814862381035	0.710343733025627
CESC	FKBP2	cg21809711	0.0936569154592939	309	1.6401734509293	0.102003386178337	0.00877161781334933	0.241663157033669
CESC	FKBP2	cg22074794	0.0740133448369228	309	1.2940159232759	0.196642121075855	0.00547797521394925	0.378784162010971
CESC	FKBP2	cg24677501	0.169314374332558	309	2.99534347484348	0.00296686098645642	0.0286673573556256	0.0163193087449898
CESC	FKBP5	cg00130530	-0.0837200898282675	309	-1.46485228550552	0.143994621871368	0.00700905344085318	0.307188000160731
CESC	FKBP5	cg00140191	0.0572329498820729	309	0.999528955675352	0.318333446322332	0.00327561055220387	0.517676286705648
CESC	FKBP5	cg00610228	0.0366276774067963	309	0.639054194604182	0.523268883777844	0.00134158675221633	0.702720265581646
CESC	FKBP5	cg01294490	-0.0568242372545282	309	-0.992367901360378	0.321807303124872	0.00322899393955891	0.521275587337622
CESC	FKBP5	cg07485685	0.0404618957503527	309	0.706055459955445	0.480694380807038	0.00163716500771241	0.667925387331036
CESC	FKBP5	cg07843056	0.0422105805721369	309	0.736623145742189	0.461919622965169	0.00178173311223686	0.651452512625592
CESC	FKBP5	cg08636224	0.0721771008332504	309	1.26174158858398	0.208009022622425	0.00520953388469319	0.393126036292913
CESC	FKBP5	cg08915438	-0.06561218441188	309	-1.1464579138733	0.252507309767889	0.00430495874329855	0.44642410926965
CESC	FKBP5	cg10913456	0.0390377116741349	309	0.68116498687561	0.496285633102978	0.00152394293275288	0.681062033263003
CESC	FKBP5	cg16012111	-0.0977867528344915	309	-1.71318090080669	0.0876987792511839	0.00956224902991393	0.21685384549336
CESC	FKBP5	cg17030679	-0.0872057204703644	309	-1.52629839314757	0.127975270705189	0.00760483768275533	0.282986827129316
CESC	FKBP5	cg20813374	-0.0670617934084139	309	-1.17190047594338	0.24215462109448	0.00449728413515278	0.434519919578908
CESC	FKBP5	cg25114611	-0.163219230392124	309	-2.88450625733282	0.00420039135244875	0.0266405171697972	0.0215857606600871
CESC	FMR1	cg02921434	-0.197723379727305	309	-3.51685518395352	0.000503290498645347	0.0390945348907879	0.00376905863030575
CESC	FMR1	cg03513471	-0.146632051027003	309	-2.5845533356534	0.0102165415402653	0.0215009583883857	0.0433196507648881
CESC	FMR1	cg04552106	-0.163699468657117	309	-2.89322665263506	0.00408858572918861	0.0267975160386226	0.0211116048198924
CESC	FMR1	cg04744025	-0.148515936080501	309	-2.61850298775075	0.00927414783627076	0.0220569832698673	0.040231301360688
CESC	FMR1	cg05288927	-0.253201866936103	309	-4.56343182663574	7.31250771055128e-06	0.0641111854199279	9.91406805218937e-05
CESC	FMR1	cg07147350	-0.277799348449828	309	-5.04205693569098	7.92796781983936e-07	0.0771724779991488	1.39063884684686e-05
CESC	FMR1	cg08434396	-0.268080413467507	309	-4.85173190225153	1.95842750263181e-06	0.0718671080849095	3.1029303970956e-05
CESC	FMR1	cg14470409	-0.33336567327516	309	-6.1650868443763	2.23740903687192e-09	0.111132672118201	6.92902064547827e-08
CESC	FMR1	cg16783314	-0.297693746227845	309	-5.43697241360465	1.11440909220307e-07	0.0886215665431687	2.39752049001233e-06

CESC	FMR1	cg22625568	-0.326473163084686	304	-5.97250324938207	6.62245390542947e-09	0.10658472621452	1.87682032465931e-07
CESC	FXR2	cg01807919	0.0420951126273735	305	0.734604515477169	0.463146648335723	0.00177199850711126	0.652434269078742
CESC	FXR2	cg01933235	-0.0173649720652467	305	-0.302814292653864	0.762238490859956	0.000301542254826797	0.867824513134385
CESC	FXR2	cg05529097	-0.158202060269892	305	-2.79352672825805	0.00554454097902589	0.0250278918736385	0.026935630093171
CESC	FXR2	cg05913233	-0.311262580280408	305	-5.71073531387798	2.67703979554881e-08	0.0968843938828173	6.68563832600077e-07
CESC	FXR2	cg09625173	-0.353825859178469	305	-6.59584091100973	1.87339149414049e-10	0.125192738623381	7.09535627532452e-09
CESC	FXR2	cg17777561	-0.128919446962366	305	-2.26670284312029	0.0241107926321744	0.0166202238050822	0.0838750307918642
CESC	FXR2	cg19178740	-0.0158680064614476	305	-0.276702984621086	0.782196217509398	0.000251793629060544	0.879755152459218
CESC	FXR2	cg22521096	-0.328717051032456	305	-6.05863074411036	4.06641190052951e-09	0.108054899639475	1.19826684617346e-07
CESC	FXR2	cg26904212	0.0794909191246625	305	1.39037123802409	0.165433234247305	0.00631880622328364	0.337504275281517
CESC	G2E3	cg02259031	0.0214195619181711	305	0.373548524685335	0.709000601467245	0.000458797632766367	0.834222331232297
CESC	G2E3	cg05076167	-0.172805999507997	305	-3.05899544783488	0.00241854163621766	0.029861913465958	0.013858088259752
CESC	G2E3	cg07906495	-0.0607441436365827	305	-1.06106973785181	0.28950045181167	0.00368985098614179	0.487001797994099
CESC	G2E3	cg08810065	-0.0685969519875132	305	-1.19885267787391	0.231518904063013	0.00470554182197719	0.422003792708404
CESC	G2E3	cg09837748	-0.100098808673392	305	-1.75120489472135	0.0809224827627665	0.0100197714978324	0.204609965774847
CESC	G2E3	cg18580322	0.00774446823456965	305	0.135033467121351	0.892674776037826	5.99767882362584e-05	0.94313688957904
CESC	G2E3	cg18755078	-0.122040426698148	305	-2.14387271725788	0.0328361047652766	0.014893865748666	0.105556158745553
CESC	G2E3	cg18956956	-0.0855687484157004	305	-1.49743429518057	0.135317843380801	0.00732201070542943	0.29413831925916
CESC	G2E3	cg19554565	0.00445717697059114	305	0.077714307909763	0.938106437186333	1.9866426547168e-05	0.966878895778608
CESC	G2E3	cg21061067	-0.0618779713946091	305	-1.08095069831432	0.280575810491277	0.00382888334391207	0.477774206005437
CESC	G2E3	cg22926526	-0.0644881141934368	305	-1.12673401612237	0.260743560385695	0.00415871687222575	0.455970070059002
CESC	GADD45	cg01810953	0.186673885015345	305	3.31300664298451	0.00103446317848301	0.0348471393467221	0.00690476435065702
CESC	GADD45	cg02639608	0.00640939677499128	305	0.11175394679512	0.911092254649422	4.10803670192686e-05	0.952780078345478
CESC	GADD45	cg04718306	0.138921033971127	305	2.44588763590762	0.0150163863499389	0.019299053679607	0.0584286971703365
CESC	GADD45	cg07000785	0.106543646106132	305	1.86828618132909	0.0626839751579516	0.0113515485255886	0.170011406179189
CESC	GADD45	cg22224769	0.106743981743593	305	1.87183959886992	0.0621888814262859	0.0113942776384765	0.168998562255091
CESC	GADD45	cg23369529	-0.142145814688123	305	-2.50382144721573	0.0128099032802367	0.0202054326333502	0.0517679800406614
CESC	GADD45	cg23723105	-0.0673847028333054	305	-1.17756897440129	0.239889548029252	0.00454069817593288	0.431810067550272
CESC	GATAD2A	cg02887458	-0.0248128754070437	305	-0.432760506835218	0.665495620626244	0.000615678785965476	0.805836605429406
CESC	GATAD2A	cg08505228	0.0410907040748656	305	0.717046509206319	0.473895954377571	0.00168844596136818	0.661848082202591
CESC	GATAD2A	cg08870822	0.162985426854063	305	2.88026150410608	0.00425581638776771	0.0265642493668013	0.0218244548497035
CESC	GATAD2A	cg09334331	0.00133917929524915	305	0.0233109745300069	0.981417561585855	1.79340118482402e-06	0.990457134891936
CESC	GATAD2A	cg11795262	-0.0493765311615094	305	-0.861960627318655	0.389388592173238	0.00243804182954351	0.586999246962986
CESC	GATAD2A	cg14948912	0.0158585579616394	305	0.276538182194425	0.782322655642814	0.000251493860622676	0.879790132860442
CESC	GATAD2A	cg15264323	0.0924593919057897	305	1.61901972494224	0.10647995874171	0.0085487391515884	0.249047752964467
CESC	GATAD2A	cg22191731	-0.0571840163151144	305	-0.99867156410737	0.318748064842963	0.00327001172192727	0.518087145468085
CESC	GATAD2A	cg26631329	-0.0366006678386577	305	-0.638582318115374	0.523575478039761	0.00133960888623575	0.70291129876349
CESC	GATAD2E	cg02134200	-0.0250281093079584	305	-0.436516736709405	0.662771719956151	0.000626406255531112	0.80389647267199
CESC	GATAD2E	cg02940454	-0.052976443363904	305	-0.92497473645855	0.355712702752219	0.00280650355148893	0.554510940964775
CESC	GATAD2E	cg09805553	-0.115999643655818	305	-2.03626923094268	0.0425898192256504	0.0134559173282767	0.128211144525975
CESC	GATAD2E	cg10226922	-0.14907315486881	305	-2.62422340799316	0.00912472834036142	0.0222228055025403	0.0397474167932178
CESC	GATAD2E	cg10489353	-0.0189544103706712	305	-0.330540819340591	0.74121904461934	0.000359269672499807	0.854392899923449
CESC	GATAD2E	cg15064304	-0.14572823583727	305	-2.56827583275134	0.010698060556346	0.021236718720243	0.0449327784753472
CESC	GATAD2E	cg20773694	-0.201281011979297	305	-3.58278121351454	0.000395756936488182	0.0405140457834098	0.00307813588453925
CESC	GATAD2E	cg23046518	-0.135676013623348	305	-2.387670299716	0.0175661736954304	0.0184079806727229	0.065889243802426
CESC	GATAD2E	cg23323627	0.0558526393155819	305	0.975346535519799	0.33016386597336	0.00311951731851649	0.529898781305311
CESC	GATAD2E	cg26398333	0.0700935080883486	305	1.22513538540955	0.221472598063751	0.00491309987613139	0.409868667184591
CESC	GLYR1	cg00636946	-0.0483329883095219	305	-0.842311689570589	0.400277861405441	0.00233607775892838	0.59682741982656
CESC	GLYR1	cg00885266	-0.131311758265892	305	-2.30949638263927	0.0215860555083878	0.01724277785888	0.077175679131372
CESC	GLYR1	cg01261535	-0.0555751925678771	305	-0.970486474963079	0.332575572842906	0.00308860202895662	0.532316798280695
CESC	GLYR1	cg01565912	-0.0206574806771782	305	-0.360252356517505	0.718908590015388	0.000426731507927989	0.840473307860555
CESC	GLYR1	cg02454264	0.0186986872440045	305	0.32607976268929	0.744588360335798	0.000349640904649097	0.856483814331392
CESC	GLYR1	cg06399529	-0.12377881694168	305	-2.17488262842759	0.0304095561061278	0.0153211955234819	0.0997040667030811
CESC	GLYR1	cg06976003	-0.00097077833117781	305	-0.0168982446217393	0.986528914597564	9.42410568284389e-07	0.992960550623424
CESC	GLYR1	cg11289281	0.035437884825678	305	0.618268981472548	0.536860977765988	0.00125584368091802	0.712912669278243
CESC	GLYR1	cg15663121	0.017360367117197	305	0.302733966320806	0.76229965150023	0.000301382346443855	0.867841864168719
CESC	GLYR1	cg18354686	-0.18999860864276	305	-3.37420219178198	0.000836290765370684	0.0360994712861847	0.00578250259061796

CESC	GTF2B	cg02705666	-0.179151840744358	309	-3.17498578814842	0.00165211125523854	0.0320953820420917	0.0101729771029045
CESC	GTF2B	cg04270788	0.113827884005947	309	1.99764066973067	0.0466464611513406	0.0129567871772713	0.13714341643263
CESC	GTF2B	cg05306856	-0.173422349078067	308	-3.06518980072107	0.00237115075937369	0.030075311159755	0.013640506873266
CESC	GTF2B	cg06356032	-0.0262843247022666	309	-0.458441248739355	0.646963018026006	0.000690865725054184	0.792983047224867
CESC	GTF2B	cg07167781	0.0775805692573714	309	1.35675258137533	0.175866454238724	0.00601874472629781	0.351671320831403
CESC	GTF2B	cg10430205	-0.0790543336675003	309	-1.38268678886326	0.167775761860248	0.00624958767161247	0.340698664594323
CESC	GTF2B	cg12074130	-0.142291940247144	309	-2.50644853298558	0.012717061170672	0.0202469962592969	0.0514810353703105
CESC	GTF2B	cg13868361	-0.0488708723869587	309	-0.853112155493937	0.394268770874545	0.0023883621678624	0.591011903605494
CESC	GTF2B	cg14010405	-0.0405189778598693	309	-0.707053173126808	0.480075057831769	0.00164178756680858	0.667338986651502
CESC	GTF2B	cg17811845	0.0160559316879119	309	0.279980825554557	0.779682629448097	0.000257792942366893	0.878264780350669
CESC	GTF2B	cg22607980	-0.00494336290980556	309	-0.0861915305909781	0.931370903623798	2.44368368580413e-05	0.963680928157119
CESC	GTF2H1	cg05849260	-0.0207764958521647	309	-0.3623287936501	0.717358096066242	0.000431662779895017	0.839455402839652
CESC	GTF2H1	cg07583091	-0.164146761606568	309	-2.90135071207631	0.00398687496366374	0.0269441593459234	0.0206935515694727
CESC	GTF2H1	cg08690812	-0.134792644136953	309	-2.37183583823274	0.0183225875113532	0.0181690569134312	0.0680517297034847
CESC	GTF2H1	cg10797557	-0.08022233871535	309	-1.40324509698619	0.161564321266885	0.00643560680733926	0.33189598895469
CESC	GTF2H1	cg11063328	-0.00243739495600788	309	-0.0424975594318755	0.9661299558841	5.94089417157265e-06	0.982215287350336
CESC	GTF2H1	cg11176342	0.0543237841539685	309	0.948568222857923	0.343593700207621	0.00295107352480696	0.542957705503467
CESC	GTF2H1	cg11347316	0.166826934198433	309	2.95006868019368	0.00342387557399421	0.0278312259740483	0.0183138735150788
CESC	GTF2H1	cg11662851	0.126562800857709	309	2.22458663424614	0.0268430010730075	0.0160181425609481	0.0908674307242306
CESC	GTF2H1	cg13777411	0.142338881585454	309	2.50729242985317	0.0126873626191569	0.0202603572109979	0.0513741769516288
CESC	GTF2H1	cg14132868	0.192763067864082	309	3.42517699211739	0.000698863981793157	0.0371576003323725	0.00497915785324818
CESC	GTF2H1	cg17174493	0.087592403377803	309	1.53311843403533	0.126286676277834	0.00767242912949974	0.280439189722477
CESC	GTF2H1	cg18321761	0.165907135944711	309	2.93334182675808	0.0036084092978153	0.0275251777573767	0.0190804892150712
CESC	H2AFZ	cg02758870	-0.041131673288795	309	-0.717762646640248	0.473454843834528	0.00169181454753617	0.661493285223837
CESC	H2AFZ	cg09308803	-0.00916216208623086	309	-0.15975446000478	0.873180590184462	8.39452140943663e-05	0.932810739111109
CESC	H2AFZ	cg16267491	-0.216610971504924	308	-3.86222132694458	0.000137412768841044	0.0469203129763069	0.00126402848991607
CESC	H2AFZ	cg17709884	-0.212175992141227	309	-3.78560754629276	0.000184729232296131	0.0450186516411141	0.00162290523966631
CESC	H2AFZ	cg20934652	0.192072792920588	309	3.41244090021666	0.000731071728138813	0.0368919577803151	0.00516886249375905
CESC	H2AFZ	cg23752380	0.0781259312414613	309	1.36634840277748	0.172839422842201	0.00610366113234554	0.347600177358622
CESC	H2AFZ	cg24061702	-0.241840753601541	309	-4.34563361106945	1.89577724449653e-05	0.0584869501025612	0.00022868676532542
CESC	H3F3A	cg06319713	-0.12783756596002	309	-2.24736347623943	0.025333770352678	0.0163424432705824	0.0870731980490489
CESC	H3F3A	cg10632229	0.0509987179426413	309	0.890351628957935	0.373981176418231	0.00260086923179308	0.572616352509052
CESC	H3F3A	cg10983539	-0.0231484435910343	309	-0.40371508520145	0.686706075857015	0.000535850440687297	0.819701903658329
CESC	H3F3A	cg11978873	0.0721134837657501	309	1.26062367042648	0.208411155670676	0.0052003545408331	0.393608528132738
CESC	H3F3A	cg15538837	0.0763154321551615	309	1.33449678589844	0.183039776954175	0.00582404518502906	0.361066927209804
CESC	H3F3A	cg15624314	0.0690691149545652	309	1.20714397698482	0.22831511542915	0.00477054264060694	0.41823313786055
CESC	H3F3A	cg16724613	-0.130583943568695	309	-2.29647296347825	0.0223287394648321	0.0170521663179521	0.079082951770076
CESC	H3F3A	cg16727519	0.0825089820478347	309	1.44351518214777	0.149905085349897	0.00680773211856991	0.315497016197545
CESC	H3F3A	cg18947521	0.148714894573663	309	2.62209013036058	0.00917927380686094	0.0221161198680558	0.039920193790862
CESC	H3F3A	cg19410789	0.131713020008862	309	2.31667813035987	0.021185820212209	0.017348319639855	0.0761085060073233
CESC	H3F3A	cg21266749	-0.0411381912344006	309	-0.717876579959635	0.473384686632036	0.00169235077803812	0.661442781662701
CESC	H3F3A	cg21789564	-0.035365130714975	309	-0.616998081790824	0.537697809933404	0.00125069247048727	0.713561069001881
CESC	H3F3A	cg22519151	-0.0615075781888982	309	-1.07445562694564	0.283470587407209	0.00378318217466342	0.480743696850787
CESC	H3F3A	cg27530209	-0.0172655465900231	309	-0.301079970342426	0.763559338619515	0.000298099099052257	0.868603737439922
CESC	H3F3A	cg27560444	-0.161087572884168	301	-2.80812923711146	0.00531423805497708	0.0259492061377123	0.0260337427738594
CESC	HAT1	cg00414306	-0.111011067880694	308	-1.9443758796559	0.0527753669554472	0.0123234571920121	0.150031313609796
CESC	HAT1	cg01583365	0.0206525250107461	309	0.360165896196967	0.718973175974768	0.000426526789319493	0.840523552112604
CESC	HAT1	cg04507121	0.0400683118868626	308	0.698025459688229	0.485696594401588	0.00160546961746289	0.672282277901129
CESC	HAT1	cg04950839	-0.132188588734451	309	-2.32519131896487	0.0207198115154064	0.0174738229916058	0.0748318020905073
CESC	HAT1	cg05421799	0.00690263610170595	309	0.120354440106645	0.904281884289716	4.76463851525743e-05	0.94935702997094
CESC	HAT1	cg09545452	-0.108107938564317	309	-1.89603869221408	0.0589030315050012	0.0116873263806261	0.162429634996989
CESC	HAT1	cg10190161	0.0391508527127801	309	0.683142199409106	0.495037285702251	0.0015327892681378	0.679994759013836
CESC	HAT1	cg12941622	0.0448381648825946	309	0.78256717433735	0.434490474777829	0.00201046103003874	0.6279866229724
CESC	HAT1	cg13293756	-0.00705765100176424	309	-0.123057414791885	0.902142948237287	4.98104376627037e-05	0.948281470876085
CESC	HAT1	cg14446129	0.0565194897440968	309	0.987028745906802	0.324413471897722	0.00319445272093306	0.523804438114846
CESC	HAT1	cg16017358	0.0880792414264922	309	1.54170593433601	0.124185329977467	0.00775795277026629	0.277197106629952
CESC	HDAC1	cg03762702	0.0774558583311219	309	1.35455842453838	0.176564155814075	0.00599940998981083	0.352557287920948

CESC	HDAC1	cg04967775	-0.127922119349082	309	-2.24887463144864	0.0252363019225034	0.0163640686187609	0.0868379720346441
CESC	HDAC1	cg06473843	0.00787839079286535	309	0.137368700453224	0.890830305479437	6.20690414851056e-05	0.942271646490915
CESC	HDAC1	cg10842753	-0.0782532886848359	309	-1.36858947582753	0.172138141880985	0.00612357718999226	0.3465443489727
CESC	HDAC1	cg14172124	0.0813962578264485	309	1.42391706290178	0.155496070708742	0.00662535078814967	0.32349684216853
CESC	HDAC1	cg20002354	-0.117098170639502	309	-2.05243563306491	0.0409861236614352	0.0137119815671178	0.124559516529326
CESC	HDAC1	cg20793809	-0.00162683752597876	309	-0.0283649190285315	0.977389715072654	2.64660033593269e-06	0.988173495177723
CESC	HDAC1	cg21930229	0.120983118312513	309	2.12502195741173	0.0343911758334571	0.0146369149166194	0.109352862453526
CESC	HDAC1	cg23018091	-0.0909305063520342	309	-1.59202292072613	0.11241880560322	0.00826835698543733	0.258995722542627
CESC	HDAC1	cg26115470	0.0100905460690996	309	0.175943639842689	0.860455363071332	0.000101819119972621	0.925853255436054
CESC	HDAC10	cg00711351	0.0374083523822449	309	0.652693755464965	0.514446986298217	0.00139938482795421	0.695979146341643
CESC	HDAC10	cg01120165	0.0725591828004594	309	1.26845609360483	0.205605600298817	0.00526483500867049	0.389909854947253
CESC	HDAC10	cg04321608	0.062230212479116	309	1.08712787699469	0.277841494556099	0.00387259934519593	0.474673764922325
CESC	HDAC10	cg04586023	0.0403203634657598	309	0.703581709039053	0.482231828128996	0.00162573171001098	0.669296584137074
CESC	HDAC10	cg07482373	-0.0231521620310215	309	-0.403779970572648	0.686658408050939	0.000536022606710673	0.819670157985495
CESC	HDAC10	cg07744063	-0.0594680492697775	309	-1.03869914845316	0.299770113753018	0.00353644888395268	0.498031312958938
CESC	HDAC10	cg09151829	0.0159767506121572	309	0.27859972493124	0.780741435743618	0.000255256560123066	0.878908895915476
CESC	HDAC10	cg10508940	0.0296497639246491	309	0.517188681057001	0.605400540609777	0.000879108500787423	0.764045516072046
CESC	HDAC10	cg11645658	-0.208409771498603	309	-3.71533126933178	0.000241458300334166	0.0434346328561	0.00203356143944961
CESC	HDAC10	cg12464820	0.0010391946922054	309	0.018189883675311	0.985555815817641	1.07992560830787e-06	0.992449308107985
CESC	HDAC10	cg26943378	-0.132750181453647	309	-2.33524653392506	0.0201809810874471	0.0176226106759762	0.0733283158672051
CESC	HDAC11	cg01409735	-0.0312911680538451	309	-0.54584745270667	0.585571119619808	0.000979137198173977	0.750032395271499
CESC	HDAC11	cg01712016	-0.0970518269789335	309	-1.7001824260981	0.0901193793689738	0.00941905711994884	0.220996179384248
CESC	HDAC11	cg02762546	-0.137746610101777	309	-2.42480869842587	0.0158990464023084	0.0189741285945309	0.0610099380213388
CESC	HDAC11	cg02941903	-0.153933695977331	309	-2.71630080080652	0.00697957314109064	0.0236955827572415	0.0323210312037139
CESC	HDAC11	cg05987698	-0.10255452289633	309	-1.7975771280451	0.0732363025018538	0.0105174300420548	0.190604025185816
CESC	HDAC11	cg07450135	-0.0817175161963477	309	-1.42957474844453	0.153865946449057	0.00667775245330035	0.321217460231268
CESC	HDAC11	cg08051076	-0.0495652382708087	309	-0.8652629638418	0.387576766000552	0.00245671284484204	0.585470532131633
CESC	HDAC11	cg08448040	0.174363044428	309	3.08741837924687	0.00220520292984232	0.0304024712622009	0.0128503038744684
CESC	HDAC11	cg10455785	-0.0977386796053968	309	-1.7123305537414	0.0878555045918088	0.0095528494910064	0.217130252455739
CESC	HDAC11	cg11432034	-0.0105916659575402	309	-0.184682365647897	0.853601320798659	0.000112183387756117	0.921966206568838
CESC	HDAC11	cg13397067	-0.00661027464925603	309	-0.115256594878711	0.908317833097297	4.36957309385969e-05	0.951364912458884
CESC	HDAC11	cg13706066	0.0491049859733011	309	0.857208803337027	0.3920047482344	0.00241129964743809	0.589082394223205
CESC	HDAC11	cg16254764	-0.0761685218872803	309	-1.33191282035466	0.183886541449772	0.0058016437264931	0.362214083582951
CESC	HDAC11	cg18521047	0.0116847061179256	309	0.203743721892113	0.838690092481341	0.000136532357062288	0.913698406530171
CESC	HDAC11	cg19779799	-0.138783700168344	309	-2.44342218319388	0.0151173346128006	0.0192609154324167	0.0587255532242189
CESC	HDAC11	cg20894727	-0.203671468789691	309	-3.62716127346074	0.000335953544396311	0.0414820671989502	0.00268631617152499
CESC	HDAC11	cg20922324	-0.107237300461937	309	-1.88059073543121	0.0609834443991985	0.0114998386103637	0.166578162696322
CESC	HDAC11	cg21655280	-0.110636118618713	309	-1.94092199958144	0.0531918547219998	0.0122403507430139	0.150930278160718
CESC	HDAC11	cg25127083	0.0999008039034508	309	1.75058752053777	0.081025713514418	0.00998017062055572	0.204772735921663
CESC	HDAC11	cg25150878	-0.115880993977866	309	-2.03415807882872	0.0428035130903375	0.0134284047652982	0.128680071545394
CESC	HDAC11	cg27025856	-0.136154205605873	309	-2.39624434286587	0.0171681826365281	0.0185379677041662	0.064761751443828
CESC	HDAC2	cg00161229	0.00635235787730463	309	0.110759378890229	0.911880244619345	4.03524506013542e-05	0.953203412412411
CESC	HDAC2	cg01129566	0.110081748837499	309	1.93107692435702	0.0544031053667071	0.0121179914271223	0.153458616298546
CESC	HDAC2	cg08198132	-0.0646657573371629	309	-1.12985080620744	0.259429781317821	0.00418166017198883	0.454311831789477
CESC	HDAC2	cg10999867	0.122927064470479	309	2.1596862980475	0.0315786241109196	0.0151110631793292	0.102542786295078
CESC	HDAC2	cg13393754	-0.063840625761035	309	-1.11537458992677	0.265570857774853	0.00407562549756053	0.461310635648758
CESC	HDAC2	cg15005908	-0.0420781704200426	309	-0.734308331407416	0.463326837436756	0.00177057242589815	0.652629017211157
CESC	HDAC2	cg15242771	-0.102792662574634	309	-1.8017957783781	0.0725681676882224	0.0105663314791825	0.189257703481095
CESC	HDAC2	cg18387216	-0.0547983594413725	309	-0.956879812624406	0.339388251808139	0.00300286019746586	0.538636996575931
CESC	HDAC2	cg18674783	0.210494091100595	309	3.75420230091445	0.000208318341712607	0.0443077623882658	0.00179586847021172
CESC	HDAC2	cg22867643	-0.312237147186787	309	-5.73054385716204	2.40961069033427e-08	0.0974920360833434	6.08416923219293e-07
CESC	HDAC2	cg24023618	0.179100122815973	309	3.17403884733748	0.00165733528349547	0.0320768539926966	0.0101994099394231
CESC	HDAC3	cg01947930	-0.0784103689013675	309	-1.37135366501066	0.171276115700882	0.00614818595124854	0.345411643417612
CESC	HDAC3	cg01961137	-0.055375313395606	309	-0.966985312675391	0.334320021010586	0.00306642533366159	0.533874292193635
CESC	HDAC3	cg04284814	-0.0834344862621295	309	-1.4598199821165	0.145372149078375	0.00696131349782547	0.30922785096257
CESC	HDAC3	cg08520975	-0.00640142632329047	309	-0.111614968667952	0.911202360892485	4.09782589725162e-05	0.952782651154854
CESC	HDAC3	cg10414058	0.0377721541634596	309	0.659050324616527	0.510362340292965	0.00142673563014816	0.692671706690964

CESC	HDAC3	cg11064797	0.0906481379255999	309	1.58703815420012	0.113543547080377	0.00821708490937858	0.260706788511875
CESC	HDAC3	cg11153694	-0.00091226228631463	309	-0.0159058430827969	0.987319942196068	8.32222479032004e-07	0.993269806321138
CESC	HDAC3	cg12082871	0.0219890891096523	309	0.383485591851948	0.701627795407228	0.00048352003987223	0.82907925443776
CESC	HDAC3	cg14098966	-0.0678589547568568	309	-1.18589488210367	0.236589880845827	0.00460483774069314	0.427959941184464
CESC	HDAC3	cg17940889	-0.064766651377713	309	-1.13162106351744	0.258685643150595	0.00419471913068222	0.453370075769519
CESC	HDAC3	cg18671773	-0.0993943789251278	309	-1.74162453206865	0.0825856698000527	0.00987924256191188	0.207622744973036
CESC	HDAC3	cg19549288	-0.0454154595113278	309	-0.792663475447758	0.428592071716168	0.00206256396262506	0.622760969170299
CESC	HDAC3	cg20642138	-0.0604906605388045	309	-1.05662563693252	0.291521417205009	0.00365912001242087	0.489132257738519
CESC	HDAC3	cg23421926	-0.0716526766742054	309	-1.25252654625671	0.211340736320236	0.00513410607457822	0.397328143292405
CESC	HDAC3	cg24385322	-0.0169040794609044	309	-0.294774815066245	0.768367104536045	0.00028574790242057	0.8716636075083
CESC	HDAC6	cg07153944	-0.189104309919888	309	-3.35772980854724	0.000885831101871854	0.0357604400302772	0.00606889870004571
CESC	HDAC6	cg07674520	-0.210915814396795	309	-3.75588090805777	0.000207108768597212	0.0444854807626634	0.00178682705381519
CESC	HDAC6	cg10783042	-0.133165078933877	309	-2.34267666739939	0.0197907542803679	0.0177329382474657	0.0722383143751939
CESC	HDAC6	cg12510923	-0.122875503600239	309	-2.15876654348643	0.0316506084629659	0.0150983893850124	0.102708356683267
CESC	HDAC6	cg13178935	-0.158196190467401	309	-2.79342041893024	0.00554631732105016	0.0250260346783981	0.0269399481564546
CESC	HDAC6	cg17152375	-0.152404106437373	307	-2.67980578231881	0.00777063529108577	0.0232270116589742	0.0351479040545803
CESC	HDAC6	cg24616736	-0.142556122747799	309	-2.51119850382984	0.012550713929271	0.0203222481328855	0.0509295414643841
CESC	HDAC6	cg26680189	-0.182808823305256	309	-3.24201360352893	0.00131874575509084	0.0334190658782524	0.00844505328214821
CESC	HDAC9	cg00332048	-0.357117485025145	309	-6.66612382061291	1.23586310218475e-10	0.127532898110684	4.86060334536707e-09
CESC	HDAC9	cg02301805	0.0174192007762005	309	0.303760231703391	0.761518363205999	0.000303428555681583	0.867398160227934
CESC	HDAC9	cg03260621	0.0567748073542572	309	0.991501874034335	0.322229095872978	0.00322337875011302	0.521661107477275
CESC	HDAC9	cg07513622	0.0644673580373877	309	1.12636985158288	0.260897363039372	0.00415604025232074	0.456146745932912
CESC	HDAC9	cg08146609	-0.082956059248538	309	-1.45139096184677	0.147702172920254	0.00688170776604696	0.312492326357309
CESC	HDAC9	cg08285151	-0.136017353016547	309	-2.39379038448971	0.0172812707455057	0.0185007203216278	0.0650784341587356
CESC	HDAC9	cg08725366	-0.125789402505394	309	-2.21077342049721	0.0277957966747255	0.0158229737826641	0.0932648784349191
CESC	HDAC9	cg10068437	-0.102810806487163	309	-1.80211721024936	0.0725174667041394	0.0105700619305409	0.189157182295528
CESC	HDAC9	cg11321459	-0.0759835879608317	309	-1.32866019083693	0.184956567028838	0.00577350563940145	0.363511474292392
CESC	HDAC9	cg11765288	-0.171605462721434	309	-3.03709651390172	0.00259568548868938	0.0294484348358376	0.0146580108091683
CESC	HDAC9	cg12081743	-0.101730564084607	309	-1.78298313035993	0.0755867591071494	0.0103491076689723	0.194966722081617
CESC	HDAC9	cg16475478	-0.138819019321085	309	-2.44405622822009	0.0150913163558493	0.0192707201252677	0.058650840015334
CESC	HDAC9	cg18856632	-0.111603808364675	309	-1.95811164154466	0.0511312738872146	0.0124554100414992	0.146654364221582
CESC	HDAC9	cg19585556	-0.119110524521477	309	-2.07784699169116	0.0385736556341384	0.0141873170517815	0.119188106859521
CESC	HDAC9	cg20648975	0.0633279651572442	309	1.10638156402813	0.269436140495984	0.00401043117095713	0.46537555758758
CESC	HDAC9	cg21433125	-0.183304239681702	309	-3.25110458793338	0.00127867514214946	0.0336004442852868	0.00823454089473301
CESC	HDAC9	cg23074799	0.0622643633998087	309	1.08772679624009	0.277577357064001	0.00387685094958344	0.474360812693575
CESC	HDAC9	cg23385718	-0.0907205029650965	309	-1.58831560731958	0.113254462623644	0.00823020965824008	0.260335007692692
CESC	HDAC9	cg24350771	-0.0368485731116967	309	-0.642913453413466	0.520764871574419	0.00135781734036806	0.700971078546478
CESC	HDAC9	cg25620356	-0.157604094961591	309	-2.78269840106143	0.00572814686887159	0.0248390507486623	0.0276384951632448
CESC	HDGF	cg00692559	-0.0156645229846046	309	-0.273153805679698	0.784920457999634	0.000245377280335206	0.881152444653865
CESC	HDGF	cg00746981	0.102567210806392	309	1.79780189697792	0.0732005772973279	0.0105200327326028	0.190523795050632
CESC	HDGF	cg01910231	0.00716458374554735	309	0.124921992320295	0.900667873253622	5.13312602469613e-05	0.947626510121752
CESC	HDGF	cg02914429	0.148187892322719	309	2.61258919886593	0.00943247889145743	0.0219596514310497	0.0406960380945061
CESC	HDGF	cg04402095	0.0214599964902622	309	0.374254011914621	0.708476251133967	0.000460531449362068	0.833878530610724
CESC	HDGF	cg05762852	0.117211644938568	309	2.05783963594111	0.0404579106694716	0.013738569709205	0.1233897589524
CESC	HDGF	cg05967123	0.0310872985254545	309	0.542287673002682	0.588017636189307	0.000966420129610727	0.751717507122451
CESC	HDGF	cg06106793	0.0158094370399052	309	0.275681407468925	0.782980075172366	0.000249938299518726	0.88019802760321
CESC	HDGF	cg06119628	-0.011564034923095	309	-0.201639321189196	0.840333560610391	0.000133726903702562	0.914442216247234
CESC	HDGF	cg07313589	-0.0212919469792534	309	-0.371321959166009	0.710656394555241	0.000453347006167337	0.835218811306962
CESC	HDGF	cg07892339	0.070800978874285	309	1.2375629595838	0.21683315794753	0.00501277860955696	0.404138064864279
CESC	HDGF	cg08597205	0.0498058534949773	309	0.869473816736027	0.385273988063227	0.00248062304236314	0.583351829072618
CESC	HDGF	cg08708935	0.0992112093552778	309	1.73838303302132	0.0831558230992376	0.00984286406173676	0.20861895842554
CESC	HDGF	cg09063372	0.0549513311448138	309	0.959559058115002	0.338039724309131	0.00301964879458698	0.537494630930477
CESC	HDGF	cg09477492	-0.03636366598045	309	-0.634441785987241	0.526269688842346	0.00132231620353774	0.704973381785334
CESC	HDGF	cg11588596	0.125066032298691	309	2.19785743745292	0.0287130770425866	0.0156415124349371	0.09553914095171
CESC	HDGF	cg12220178	0.0182782454972504	309	0.31874534989462	0.750138508570875	0.000334094258457756	0.860047091364456
CESC	HDGF	cg12421458	0.134283740385969	309	2.36271631954194	0.0187711088138651	0.0180321229320464	0.069329138255036
CESC	HDGF	cg13170934	0.0132937035428749	309	0.231804124728593	0.816846109846696	0.000176722553885844	0.901472901071255

CESC	HDGF	cg13235992	0.205781334658523	309	3.66638821574488	0.000290272475662826	0.0423459576938431	0.00237799673248882
CESC	HDGF	cg14155849	-0.0237874374221386	309	-0.414865534213076	0.678532961147802	0.000565842179112157	0.814447874658634
CESC	HDGF	cg15503799	0.0618899789138389	309	1.08116126499462	0.280482302258557	0.00383036948995542	0.477677712338322
CESC	HDGF	cg17170583	-0.0412578238672818	309	-0.719967767916162	0.472098008216775	0.00170220803026365	0.660190408973859
CESC	HDGF	cg17218029	0.0134190796738401	309	0.233990717355908	0.815149684744113	0.000180071699292867	0.900551269806447
CESC	HDGF	cg17971171	0.0891212794357755	309	1.56009054398144	0.119778879253659	0.00794260244826958	0.270387038844501
CESC	HDGF	cg18593717	-0.00851836654788357	309	-0.148528184676105	0.882024418009903	7.25625686441019e-05	0.937367079338566
CESC	HDGF	cg19599803	-0.103697902673588	309	-1.81484262944644	0.070536776148348	0.010753255018901	0.185408094461568
CESC	HDGF	cg20284773	0.108048855677093	309	1.89499023009137	0.0590423325193221	0.0116745552131292	0.162733010310297
CESC	HDGF	cg23747104	0.142891037838431	309	2.51722102609234	0.012342586235635	0.0204178486945438	0.0502658964304779
CESC	HDGF	cg26431298	0.0762906046870826	309	1.33406009604614	0.183182675767938	0.00582025636352071	0.361282702954626
CESC	HDGFL1	cg02685945	-0.0123657475296937	309	-0.215620661465583	0.829428043599657	0.000152911711968125	0.908373927946049
CESC	HDGFL1	cg03930485	0.0146562257913486	309	0.255567478527285	0.79845766285255	0.000214804954446993	0.889937412081701
CESC	HDGFL1	cg05276066	0.0181867535047188	309	0.317149336731023	0.751347990170374	0.000330758003041401	0.860741389655176
CESC	HDGFL1	cg06566039	0.0194247814487234	309	0.33874655165697	0.735034522637647	0.000377322134330669	0.850620353116635
CESC	HDGFL1	cg08671671	0.00991785773333328	309	0.172932263739336	0.862819751702985	9.83639020186388e-05	0.927058931643581
CESC	HDGFL1	cg09081892	0.0224972754815748	309	0.391706855600615	0.695550164380682	0.000506127404093867	0.825458695349196
CESC	HDGFL1	cg11894257	0.0352157819686273	309	0.614389225261861	0.539417688627585	0.0012401512996619	0.714774345311167
CESC	HDGFL1	cg15317945	0.0302351891870387	309	0.527409662106311	0.59829382523658	0.000914166665176022	0.758818818012855
CESC	HDGFL1	cg20209681	0.0439539374034416	309	0.767104446676406	0.443614755637718	0.00193194861326566	0.635744933264949
CESC	HDGFL1	cg21898884	0.103318492828308	309	1.8111119608145	0.0711104585563173	0.010674710960313	0.186487561115499
CESC	HIST1H1	cg00667898	-0.0602133279975736	309	-1.05176363926231	0.293743314157248	0.00362564486854338	0.491486259325558
CESC	HIST1H1	cg00700007	-0.0587293760648862	309	-1.02575217036017	0.305823914725849	0.00344913961297083	0.504330046682128
CESC	HIST1H1	cg03821311	0.0870721193303467	309	1.52394219204966	0.128562733015263	0.00758155396467813	0.283897052206688
CESC	HIST1H1	cg04676561	-0.0377990908023838	309	-0.659520988592535	0.510060577054145	0.00142877126548686	0.692453318872487
CESC	HIST1H1	cg07138603	-0.0877267234941705	309	-1.53548764095278	0.125704175079637	0.00769597801502265	0.279496632352138
CESC	HIST1H1	cg11206041	-0.0831446076059737	309	-1.45471272253575	0.146780541219836	0.00691302577395134	0.311194762449633
CESC	HIST1H1	cg14334286	-0.0974143550518142	309	-1.70659402947736	0.088918729188154	0.00948955657016091	0.218976127357795
CESC	HIST1H1	cg18798248	-0.062662292635415	309	-1.09470573405398	0.274512149502447	0.00392656291832639	0.470996311849236
CESC	HIST1H1	cg23460835	-0.0884334532491263	309	-1.54795469535308	0.122673575492186	0.0078204756535654	0.274828659546643
CESC	HIST1H1	cg00903962	0.000705248199283519	309	0.0122964255811314	0.990197184754034	4.97375022592646e-07	0.994699165980107
CESC	HIST1H1	cg04290376	-0.117720894067776	309	-2.06690569404398	0.0395893888424082	0.0138582089001165	0.121578119201259
CESC	HIST1H1	cg07750111	0.0552666347436185	309	0.965081703579689	0.335270974331305	0.00305440091588453	0.534813525863794
CESC	HIST1H1	cg08283682	0.0924605894250436	309	1.61904087503689	0.106475406014114	0.00854896059682648	0.249047752964467
CESC	HIST1H1	cg10717387	-0.0816334565702113	309	-1.42809432996101	0.154291226602773	0.00666402123160057	0.321759909991854
CESC	HIST1H1	cg12633985	0.0687052362942131	309	1.20075410549133	0.230781364857273	0.00472040949424366	0.421192473430444
CESC	HIST1H1	cg15022984	0.0268463750116718	309	0.468251314001814	0.639940428192733	0.000720727851267318	0.788462554178421
CESC	HIST1H1	cg16481032	-0.0355254215518835	309	-0.619798123202714	0.535854977479356	0.00126205557643903	0.712153193154011
CESC	HIST1H1	cg16482183	-0.0658935047371957	309	-1.15139488378186	0.250474569301772	0.00434195396655084	0.444152598396709
CESC	HIST1H1	cg17691542	-0.0610023246837455	309	-1.06559641569295	0.287451704356774	0.00372128361682111	0.48494126240772
CESC	HIST1H1	cg20855557	-0.104890349285241	309	-1.83896986913252	0.0668948265377488	0.0110019853731799	0.178329659916306
CESC	HIST1H1	cg23407813	-0.0481746285016857	309	-0.839545481227525	0.401825185387975	0.00232079483127543	0.598407069031589
CESC	HIST1H3	cg00958605	-0.103180736055368	309	-1.80867116348867	0.0714900196745508	0.0106462642929275	0.187207333647643
CESC	HIST1H3	cg01043409	0.0786207465010187	309	1.37505590576855	0.170126647243138	0.00618122178037744	0.343862494715469
CESC	HIST1H3	cg08041469	0.135965353991699	309	2.39285800584135	0.0173244102603716	0.018486577486088	0.0651961673662609
CESC	HIST1H3	cg08401836	-0.0337456185606933	309	-0.588710261699076	0.556492812385943	0.00113876677204381	0.727874671667234
CESC	HIST1H3	cg10075390	0.10030797271876	309	1.75779481495184	0.0797888357865775	0.0100616893909474	0.202668934387534
CESC	HIST1H3	cg15479139	0.108511106856936	309	1.90319370444678	0.0579597038169909	0.0117746603113173	0.160516810207867
CESC	HIST1H3	cg15797414	-0.0331102021444529	309	-0.577612801679517	0.56395311877367	0.00109628548604653	0.733758741648055
CESC	HIST1H3	cg21209604	0.000956191426345858	309	0.0166717748140071	0.98670940073842	9.14302043817326e-07	0.993007258731262
CESC	HIST1H3	cg23099349	0.0396461913463634	309	0.691798871935193	0.489591652925524	0.00157182048827246	0.675558151930475
CESC	HIST1H3	cg25701114	-0.0145234714349002	309	-0.25325208797139	0.800244593245447	0.000210931222520363	0.890909304059132
CESC	HLTF	cg00906762	-0.169270887867989	309	-2.99455145879901	0.00297435020528675	0.0286526334796171	0.0163535656138298
CESC	HLTF	cg02059813	-0.135173952724424	309	-2.37867011309385	0.0179926676234386	0.0182719974951447	0.0671219996328994
CESC	HLTF	cg02398045	-0.160173736726532	309	-2.82925347724368	0.00497598243250759	0.0256556259369405	0.0246718659881769
CESC	HLTF	cg02611507	-0.421812969006959	309	-8.11150259603355	1.24492228822791e-14	0.177926180822466	9.25884172948397e-13
CESC	HLTF	cg02710346	-0.181682670978265	309	-3.22135798729832	0.00141415707435453	0.0330085929337966	0.0089545031923529

CESC	HLTF	cg03678609	-0.277480400720088	309	-5.03578483557236	8.17132785736142e-07	0.0769953727837804	1.42913731865012e-05
CESC	HLTF	cg04120413	-0.461164841946526	309	-9.06181961386956	1.60977783401756e-17	0.212673011447565	1.68321312929519e-15
CESC	HLTF	cg04731810	-0.42870449975104	309	-8.27357533624227	4.13034383138596e-15	0.183787548106789	3.23907225825443e-13
CESC	HLTF	cg04836786	-0.123863548882217	309	-2.17639461871127	0.0302953073623548	0.0153421787416973	0.099411891542485
CESC	HLTF	cg05555455	-0.283196201481369	309	-5.14846226447672	4.72568761222299e-07	0.0802000885334759	8.76980300823653e-06
CESC	HLTF	cg07275648	-0.401190172191097	309	-7.63649508397519	2.91849532066255e-13	0.160953554262722	1.79337618464157e-11
CESC	HLTF	cg09352720	-0.396441016119361	309	-7.52911992777039	5.85455641684463e-13	0.157165479261751	3.43217303611161e-11
CESC	HLTF	cg09392355	-0.139516755492524	309	-2.45254009174699	0.0147488392065054	0.0194649250631608	0.0576278853455993
CESC	HLTF	cg15438497	-0.117769250609366	309	-2.06776666150847	0.0395077418240036	0.0138695963890916	0.121384884180748
CESC	HLTF	cg16724124	0.0394786562420834	309	0.688870926092153	0.491429894459284	0.00155856429868059	0.677073838367199
CESC	HLTF	cg20117402	-0.208405152088324	309	-3.71524517973117	0.000241536929713241	0.0434327074169576	0.00203400345422298
CESC	HLTF	cg21089667	-0.16363262884391	309	-2.89201281699973	0.00410398417350291	0.0267756372223688	0.0211714419624327
CESC	HLTF	cg21111416	-0.447130423009786	309	-8.71577136551354	1.90555449930737e-16	0.19992561518091	1.78603261107371e-14
CESC	HLTF	cg21835021	-0.184002274437657	309	-3.26391800989993	0.00122411238745376	0.0338568369982309	0.0079476380462008
CESC	HLTF	cg21926402	-0.124072763419023	309	-2.1801281328581	0.0300147824778677	0.0153940506224329	0.0987344068706176
CESC	HLTF	cg24041269	-0.0956704455595458	309	-1.67575781194264	0.0948137879049247	0.00915283415356202	0.229272339994194
CESC	HLTF	cg24710191	0.15255289753744	299	2.64671630659135	0.00856568124233374	0.0232723865470686	0.0378655873716395
CESC	HLTF	cg25951608	-0.38983506814745	309	-7.38095302387131	1.51381516191036e-12	0.151971380357527	8.36998839414743e-11
CESC	HLTF	cg26151310	-0.226733229612137	309	-4.05893622301226	6.27500236177208e-05	0.0514079574103498	0.000647337930953053
CESC	HLTF	cg27554556	-0.395679797931313	309	-7.51197642935236	6.53892376780149e-13	0.156562502490965	3.79902192376661e-11
CESC	IDH1	cg00707300	-0.00288360684580674	309	-0.0502776123694397	0.959934181810212	8.31518844118347e-06	0.979061311921597
CESC	IDH1	cg01046174	-0.0183142847208852	309	-0.319374030883181	0.749662254347731	0.000335413024837648	0.859741573701293
CESC	IDH1	cg02241586	0.0672240835511846	309	1.17474934434431	0.24101435990983	0.00451907740929665	0.433213288235335
CESC	IDH1	cg03448938	-0.0304310744049172	309	-0.53082975675181	0.595924335859418	0.000926050289437604	0.757204340836808
CESC	IDH1	cg05268564	-0.0104408827599588	309	-0.18205293457875	0.855662518626297	0.000109012032807205	0.923211699731133
CESC	IDH1	cg07129696	-0.00046209629491927	309	-0.0080569250671603	0.993576858011557	2.13532985778117e-07	0.996651598784732
CESC	IDH1	cg07915542	0.00800468939035757	309	0.139571000089194	0.889091375442664	6.40750522361031e-05	0.941174522189533
CESC	IDH1	cg09406631	0.0568972152425398	309	0.993646511940542	0.321185226922049	0.0032372931023559	0.520590956395822
CESC	IDH1	cg09615745	-0.0973458789763464	309	-1.70538292201709	0.0891445261326854	0.00947622015367748	0.219334216774183
CESC	IDH1	cg10356455	0.0615192333611947	309	1.07466000071505	0.283379191775095	0.00378461607334913	0.48069449670658
CESC	IDH1	cg14772913	-0.0371877093698835	309	-0.648838671405402	0.516932505826564	0.00138292572817892	0.697994365228446
CESC	IDH1	cg15399923	-0.0745149132417759	309	-1.30283391581725	0.193617479155239	0.00555247229542939	0.374711500196599
CESC	IDH1	cg16085695	-0.137589318947826	309	-2.41799956839738	0.0161957630790568	0.0189308206885267	0.0618949298964505
CESC	IDH1	cg16863783	0.0668017330705736	309	1.16733552785886	0.243989686385601	0.00446247154123217	0.436680868658552
CESC	IDH1	cg24324379	-0.11448639686098	309	-2.00935038592846	0.0453835734747317	0.0131071350662097	0.134436437243671
CESC	IDH1	cg24830471	0.10893032613065	309	1.91063458069174	0.0569921043688435	0.0118658159509298	0.15860498559311
CESC	IDH1	cg24987806	0.144709252693737	309	2.54993205843048	0.0112649227189073	0.0209407678151798	0.0467832264571149
CESC	IDH1	cg25795625	0.0581122466806887	309	1.0149368296304	0.310943024463869	0.00337703321427722	0.509832264998993
CESC	IDH1	cg26105702	-0.00240527360929516	309	-0.0419374996894782	0.966576052537184	5.78534113557176e-06	0.982427050054405
CESC	ING2	cg02075087	-0.0250360075615147	309	-0.435935803548787	0.663193723452056	0.000626801674620221	0.804176435921889
CESC	ING2	cg02552216	-0.10051080296669	309	-1.758486043559	0.0796743467005402	0.0101024215130087	0.202442634066754
CESC	ING2	cg10348863	-0.0650299212479804	309	-1.1362404838707	0.256750847497603	0.00422889065751853	0.451056410423298
CESC	ING2	cg17985608	0.0269501621200689	309	0.470062869753856	0.638647129699697	0.000726311238297998	0.787517670679975
CESC	ING3	cg01382559	-0.168939021762666	309	-2.98850779646213	0.00303207171330476	0.0285403930741264	0.0166017023412747
CESC	ING3	cg01416111	-0.135934550049362	309	-2.39230567925405	0.0173500101772029	0.0184782018971225	0.0652672481491935
CESC	ING3	cg10268125	0.03890471805593	309	0.678840871268353	0.497755158448688	0.00151357708701141	0.682128081391604
CESC	ING3	cg14303833	-0.190384455185866	309	-3.3813119144557	0.000815716818266331	0.0362462407764188	0.00566133233653412
CESC	ING3	cg16130600	-0.00077468333872241	309	-0.0135070695999711	0.989232105272885	6.00134275294109e-07	0.994314147234511
CESC	ING3	cg18485114	0.084444952781737	309	1.47762592608707	0.140543176842258	0.00713095005030979	0.30212309998696
CESC	ING3	cg19478983	0.0400196281979122	309	0.698325493177561	0.485507489919575	0.00160157064109913	0.67209227664828
CESC	ING3	cg19960827	-0.023824222925152	309	-0.415507456980104	0.678063584591974	0.000567593597987337	0.814107455933389
CESC	ING3	cg20553930	-0.0781478711932984	309	-1.36673446912691	0.172718461391604	0.00610708977204437	0.347437746890554
CESC	ING3	cg24859794	-0.0584723304654067	309	-1.02124724179534	0.307949320892214	0.00341901343005573	0.506525064899545
CESC	ING4	cg00369908	0.0295287668248556	309	0.515076250911671	0.606874053345921	0.000871948070196691	0.765123170394019
CESC	ING4	cg00443163	-0.227655298146957	309	-4.07634324891163	5.84606913513777e-05	0.0518269347743798	0.000607844296042379
CESC	ING4	cg00591160	-0.234284533333417	309	-4.20183561154613	3.48388428095871e-05	0.054889242559257	0.00038834402314501
CESC	ING4	cg03930474	0.0480669637443692	309	0.839045990223526	0.402102793497359	0.00231043300360251	0.598660045880225

CESC	ING4	cg04375284	-0.273268277405021	309	-4.95312162619852	1.21382506828981e-06	0.0746755514359073	2.03159008955546e-05
CESC	ING4	cg08733494	-0.137959444124492	309	-2.42862793563467	0.0157357972313794	0.019032808223139	0.0605471621923772
CESC	ING4	cg12392916	-0.232786992705608	309	-4.17343353392334	3.92120435272058e-05	0.0541897839729206	0.000430187803434699
CESC	ING4	cg18123790	0.0588370949952435	309	1.02764009110846	0.304936115058862	0.00346180374747931	0.503452962390737
CESC	ING4	cg23354319	-0.24610256528209	309	-4.42710583742993	1.33325088165574e-05	0.0605664726384252	0.000168156483604939
CESC	ING4	cg27116036	-0.267790081173045	309	-4.84607130459862	2.0109757744935e-06	0.071711527574666	3.17648425179588e-05
CESC	INO80	cg00734724	0.0816457092460753	309	1.42831011639772	0.154229181762063	0.00666602183829467	0.321665012493242
CESC	INO80	cg06380007	0.0207985007076314	309	0.362712710235327	0.717071550083056	0.000432577631685345	0.839233701928107
CESC	INO80	cg12580230	0.0494136162249882	309	0.862609601166456	0.389032124569796	0.00244170546843042	0.586666507042136
CESC	INO80	cg18952654	0.0425420726552646	309	0.742418511344154	0.45840706101583	0.00180982794580581	0.648445812363982
CESC	INO80	cg21007089	-0.10382415924924	309	-1.82007234643228	0.0697312648057296	0.0107794560438115	0.183843630809534
CESC	INO80	cg21598047	-0.0898401002168957	309	-1.57277565868344	0.116810921298208	0.00807124360698187	0.265816088792863
CESC	INO80	cg22835709	-0.0906306756836542	309	-1.58672989871061	0.113613391930545	0.0082139193748757	0.260820970042931
CESC	INO80	cg26409855	0.0595558230983941	309	1.04023770379287	0.299056085886405	0.00354689606492721	0.49734298474682
CESC	INO80	cg27441689	-0.0597178858200501	309	-1.04307850562354	0.297740698365584	0.00356622588681654	0.495866924036142
CESC	INTS12	cg00093890	-0.0929532751800779	309	-1.62774309136185	0.10461530392707	0.00864031136670328	0.245985883442722
CESC	INTS12	cg01852585	-0.00931596119963127	309	-0.16243638257147	0.871070138685607	8.67871330730352e-05	0.931528357535337
CESC	INTS12	cg03607115	-0.0402480860213737	309	-0.702318434884735	0.483017993781782	0.0016199084283839	0.669955214495904
CESC	INTS12	cg19703969	-0.0975419954945082	309	-1.70885161747015	0.0884990643584312	0.00951444088505065	0.218316963773042
CESC	INTS12	cg26533745	-0.0939969494036796	309	-1.64347154042006	0.101322616620473	0.00883542649719789	0.240526237599062
CESC	IWS1	cg02372421	-0.0223092167935694	309	-0.389071318722917	0.697495772181752	0.000497701153942477	0.826595341881637
CESC	IWS1	cg02592214	-0.0891415585004124	309	-1.56044837723588	0.119694350408596	0.00794621745188244	0.270258962549671
CESC	IWS1	cg10180764	-0.0590026078861063	309	-1.03054099983087	0.303575307855008	0.00348130773736161	0.502066009108143
CESC	IWS1	cg10488833	-0.00324205534300708	309	-0.0565274635168204	0.954958752303106	1.05109228471208e-05	0.976013835942963
CESC	IWS1	cg15239145	0.0303740082261717	309	0.528961238490895	0.59721961207726	0.000922580375723549	0.758160154326218
CESC	IWS1	cg17144508	-0.0691765844971483	309	-1.20903128254965	0.227590308468292	0.00478539984269109	0.417316502784587
CESC	IWS1	cg18451256	-0.00418633501802329	309	-0.0729918847582994	0.941860576484184	1.75254008831281e-05	0.968989389639899
CESC	IWS1	cg18530950	-0.0746005960700639	309	-1.30434039092808	0.193104198258203	0.00556524893400883	0.374034509356836
CESC	IWS1	cg19311602	-0.0312204805758821	309	-0.544613166144679	0.586418865156504	0.000974718407389032	0.750561346407349
CESC	IWS1	cg19409088	-0.0175664771730362	309	-0.306329262525351	0.759563651547239	0.0003085811202708	0.866160872302344
CESC	IWS1	cg21581038	-0.0187379277116706	309	-0.326764303359062	0.744071024232957	0.000351109934927793	0.856238055399592
CESC	IWS1	cg21679674	-0.149429626787526	309	-2.63497915776389	0.00884552247910959	0.0223292133618592	0.0388093494862022
CESC	IWS1	cg22409775	-0.0260134667384535	309	-0.453713830893037	0.650358531150723	0.000676700451752627	0.795465490186616
CESC	IWS1	cg23570261	0.0353547660890417	309	0.61681702890618	0.537817078932514	0.00124995948521085	0.713609787454818
CESC	IWS1	cg23623107	-0.0243522890213624	309	-0.424722623702982	0.671339329677721	0.000593033980579968	0.809645326919598
CESC	JADE1	cg09863040	-0.089810584947805	309	-1.57225475062457	0.116931645502452	0.00806594116866691	0.266005217715523
CESC	JADE1	cg12832492	0.0316411326083059	309	0.551958366855402	0.581382406023347	0.0010011612727364	0.746821304242258
CESC	JADE1	cg14617908	0.062369078743154	309	1.08956325774779	0.276768505973418	0.00388990198326975	0.47345696969162
CESC	JADE1	cg15389440	0.216828028444538	309	3.87265707850209	0.000131839500360959	0.0470143939191454	0.00122040957771066
CESC	JADE1	cg15836763	-0.0152013131403109	309	-0.265074579626921	0.791131656178985	0.000231079921189787	0.88534927531134
CESC	JADE1	cg20039387	-0.0591479160243474	309	-1.03308785451083	0.302383934300538	0.00349847597002325	0.500761320424151
CESC	JADE1	cg22922695	-0.0344798978148187	309	-0.601535238573214	0.547931856897261	0.00118886335332034	0.721197890898529
CESC	JADE1	cg26766900	-0.0811344675625118	309	-1.41930700144472	0.156834061458007	0.00658280182665228	0.325422729570688
CESC	JADE2	cg04590931	0.0870571326294116	309	1.52367789048488	0.128628761446966	0.00757894434165496	0.283978371257634
CESC	JADE2	cg04842522	0.0392344038506509	309	0.684602326252798	0.494116492702529	0.00153933844551597	0.679319579982337
CESC	JADE2	cg17378563	-0.083045114196987	309	-1.45295987254448	0.147266321954311	0.00689649099199061	0.311943657757656
CESC	JADE2	cg18145011	-0.136492941308731	309	-2.40231894934543	0.0168910427052471	0.0186303230271088	0.0638991332528689
CESC	JADE2	cg21194015	0.0434771883884888	309	0.758768158145831	0.448579139076057	0.00189026591016815	0.639885220124772
CESC	JADE2	cg25669900	-0.0772684222078263	309	-1.35126080448958	0.17761663460312	0.0059704090704869	0.354004623701453
CESC	JADE2	cg26133206	0.0478189424817636	309	0.834706639140249	0.404538366518474	0.00228665126007421	0.600958172325275
CESC	JADE3	cg10860619	-0.103774845032508	309	-1.81919843812154	0.0698647992953365	0.010769218461521	0.184127047780385
CESC	JADE3	cg17843048	-0.257041109116604	309	-4.63748209514065	5.24508370076669e-06	0.066070131775894	7.42018624145197e-05
CESC	JADE3	cg19194595	-0.123376310589313	309	-2.16770080501661	0.0309573208304687	0.0152217140146307	0.101003169091966
CESC	JARID2	cg01769037	-0.132590811095399	309	-2.33239280458712	0.020332641347207	0.0175803231869359	0.0737484847521738
CESC	JARID2	cg03223185	-0.10918249440591	309	-1.9151109043229	0.0564165431969392	0.0119208170846966	0.157465146435946
CESC	JARID2	cg05197191	-0.142823203195873	309	-2.51600113631279	0.012384493621053	0.0203984673711296	0.0503838142849178
CESC	JARID2	cg06047828	-0.123621082388964	309	-2.17206807929225	0.0306232194168626	0.0152821720110191	0.100213679823042

CESC	JARID2	cg14862454	-0.0934906885700963	309	-1.63723669908188	0.102615713733982	0.00874050884931073	0.242670441215387
CESC	JARID2	cg15109221	-0.109562107784442	309	-1.92185025470236	0.0555591812255268	0.0120038554621697	0.155669762083869
CESC	JARID2	cg21397480	-0.0954842838885084	309	-1.67246698267197	0.0954610733977335	0.00911724846970126	0.230344253843154
CESC	JARID2	cg21901688	-0.152135239211588	309	-2.67939111680145	0.00777868767160849	0.0231451310099672	0.0351704380683438
CESC	JARID2	cg25338254	-0.10717373533036	309	-1.87946305476681	0.0611376781032421	0.0114862095446621	0.166870554008968
CESC	JMJD6	cg02318866	-0.0233583627455078	309	-0.407378121362209	0.684017004407102	0.000545613110150724	0.818023348821616
CESC	JMJD6	cg04510639	-0.0821064962754678	309	-1.43642568251739	0.151909529547414	0.00674147673063342	0.318457784947358
CESC	JMJD6	cg07312083	-0.105684356251501	309	-1.85304728613742	0.064844478545663	0.0111691831562941	0.174261135967297
CESC	JMJD6	cg08857478	0.0949400413093648	309	1.66284727650516	0.0973736194011672	0.00901361144382389	0.233589791473508
CESC	JMJD6	cg10712116	0.19072922594079	309	3.38766613788731	0.000797729461583553	0.0363776376279728	0.00555433327973068
CESC	JMJD6	cg12504415	-0.0607794749843971	309	-1.06168918829645	0.289219510032625	0.00369414457937895	0.486729168941246
CESC	JMJD6	cg15457598	0.120938502630887	309	2.12422666594267	0.0344581497945642	0.014626121418601	0.109516579038213
CESC	JMJD6	cg21102709	-0.0596400107244284	309	-1.047171342064907	0.298372293292385	0.00355693087920994	0.496589238466214
CESC	JMJD6	cg21807925	-0.195121531089497	309	-3.46873239853899	0.000598458488577686	0.0380724118947095	0.00436494277708724
CESC	JMJD6	cg23630158	-0.0934638164787281	309	-1.63676195936064	0.10271497470654	0.00873548499076936	0.242794468181476
CESC	JMJD6	cg25004679	-0.0498016116894261	309	-0.867968470908697	0.386098503679595	0.00248020052686438	0.584156268140543
CESC	JMJD6	cg25908504	-0.101225514958902	309	-1.77403950452624	0.0770575187215269	0.0102466048786949	0.197685417867777
CESC	JMJD6	cg26612088	-0.0830009754872477	309	-1.45218226181045	0.147482222302779	0.00688916193183469	0.31223077346711
CESC	JMJD8	cg00873473	-0.0333157244114708	309	-0.581202142338244	0.561534881922065	0.00110993749306107	0.731946727727709
CESC	JMJD8	cg02851105	-0.010857174217301	309	-0.189312459140348	0.84997426241876	0.000117878231984826	0.919985923414824
CESC	JMJD8	cg03899598	-0.060445631926158	309	-1.05583621051991	0.291881405137622	0.00365367441895257	0.489613881149155
CESC	JMJD8	cg05787952	0.0630262032479381	309	1.10108850732327	0.271729194338158	0.00397230229585041	0.468021986000467
CESC	JMJD8	cg06191810	-0.0775044740017982	309	-1.35541375822822	0.17629192925406	0.00600694349029541	0.352203335361384
CESC	JMJD8	cg06646636	-0.0883907992004264	309	-1.54720219070698	0.122854859109322	0.0078129333832901	0.275143105410831
CESC	JMJD8	cg08398290	0.0396574767947068	309	0.691996105423594	0.489467958405817	0.00157271546572271	0.675447375673576
CESC	JMJD8	cg26750188	-0.0581141774545225	309	-1.01497066507855	0.310926921408694	0.00337725762121573	0.509816607104393
CESC	JMJD8	cg27579097	-0.0785368868026288	309	-1.37358011438634	0.170584151293017	0.00616804258864893	0.344417946163741
CESC	KAT2B	cg00770008	-0.0514477237658338	309	-0.898211226125059	0.369783786364131	0.0026468682068554	0.568444104325943
CESC	KAT2B	cg04371528	-0.0504668406086759	309	-0.88104211210537	0.378991045950761	0.0025469020010215	0.57753669884053
CESC	KAT2B	cg05072819	0.0228037244191845	309	0.397699938506732	0.691130497954553	0.000520009847386113	0.822498209332381
CESC	KAT2B	cg12062464	-0.0631482764167489	309	-1.10322969592154	0.270799977919215	0.00398770481440613	0.466993619523213
CESC	KAT2B	cg14937543	-0.174989377566812	309	-3.09885844187992	0.00212433676378433	0.0306212822612204	0.0124708439180686
CESC	KAT2B	cg18053505	-0.234807553468767	309	-4.21176255789228	3.34232278319988e-05	0.0551345871659878	0.000374442192678933
CESC	KAT5	cg00582417	-0.227619036100386	309	-4.07565846742497	5.86240239229834e-05	0.0518104255952687	0.000609216847056448
CESC	KAT5	cg02561205	-0.189634991400168	309	-3.36750355739577	0.00085611674634425	0.0359614299633418	0.00590118254165378
CESC	KAT5	cg05785768	-0.076632268224568	309	-1.3400698288385	0.181223384716217	0.00587250453291856	0.358500547284598
CESC	KAT5	cg07564927	-0.0860133013325457	309	-1.50527170713574	0.1332925150467	0.00739828800612332	0.291192303160433
CESC	KAT5	cg14726348	-0.0784599589320125	307	-1.36770498633056	0.172421346758638	0.00615596515561308	0.346965680688623
CESC	KAT5	cg18896539	0.120306462916699	309	2.11296171902808	0.0354188983840076	0.014473645019527	0.111811783503855
CESC	KAT5	cg20108992	0.0775722449427609	309	1.35660612187014	0.175912961220764	0.00601745318545969	0.35172357562875
CESC	KAT5	cg20423942	-0.0354993227215991	309	-0.619342212376371	0.536154814789477	0.00126020191369224	0.712376219670923
CESC	KAT5	cg22048492	-0.0308841069977233	309	-0.53873979932508	0.590460684777083	0.000953828065046819	0.753404164600837
CESC	KAT6A	cg10163397	-0.0383697565973406	309	-0.668390527649233	0.504393187226779	0.00147223822133916	0.687663441003839
CESC	KAT6A	cg12468056	0.181160308015677	309	3.21178138663991	0.00146052869855324	0.0328190572003351	0.00919928504374148
CESC	KAT6A	cg15251374	-0.14536889722274	309	-2.5575890875419	0.0110267382604385	0.0211321162797555	0.0460027927405243
CESC	KAT6A	cg20966972	0.1256606843881	309	2.20847486008481	0.027957156346447	0.0157906076008856	0.0937052572518526
CESC	KAT6B	cg04396765	-0.0586152001146405	309	-1.0237511208071	0.30676679188775	0.00343574168447935	0.505231625026265
CESC	KAT6B	cg06972998	0.0194783991250064	309	0.33912279100961	0.73475213975375	0.00037940803247305	0.850460940112165
CESC	KAT6B	cg09631472	-0.114029832830101	309	-2.00123145183158	0.0462560745702564	0.0130028027752608	0.136294411980855
CESC	KAT6B	cg10359932	-0.0941271316008371	309	-1.64848157023306	0.100286920834592	0.00885991690340131	0.238717541634817
CESC	KAT6B	cg10739686	-0.150182010230743	309	-2.64855172841845	0.00850588565971422	0.0225546361969471	0.0376718968979111
CESC	KAT6B	cg11128436	-0.0301750010471558	309	-0.526358808240227	0.599022733600282	0.000910530688195851	0.759347138420054
CESC	KAT6B	cg11348552	0.0986015900354036	309	1.72759605923208	0.0850762785704242	0.0097222735575098	0.212158679091811
CESC	KAT6B	cg15874302	-0.312765672343277	309	-5.74129476392391	2.27556626147894e-08	0.0978223657963424	5.78514384789192e-07
CESC	KAT6B	cg15912797	-0.0598996709599689	309	-1.04626512076832	0.296269817628193	0.00358797058111255	0.494221382922003
CESC	KAT6B	cg17147776	-0.0830109944363924	309	-1.45235876921433	0.147433194446262	0.00689082519731878	0.312154251681225
CESC	KAT6B	cg18462764	-0.167479242138489	309	-2.96193592712238	0.00329823379202071	0.0280492965472825	0.0177590531295999

CESC	KAT6B	cg18491775	-0.0428241654366644	309	-0.747350438798472	0.455429720726928	0.0018339091453468	0.645749639015613
CESC	KAT6B	cg24671245	-0.113503295979103	309	-1.99186980789062	0.0472797006570321	0.0128829981981198	0.138538348647326
CESC	KAT6B	cg26605858	-0.0773695540490454	309	-1.35304002943906	0.177048189903791	0.00598604789374816	0.353215543041892
CESC	KDM1A	cg00062312	0.0900340152379458	309	1.57619812334113	0.116020185020097	0.00810612389986666	0.264524567809694
CESC	KDM1A	cg00541565	0.0390231968635055	309	0.680911333110306	0.496445903835085	0.00152280989344791	0.681173830060613
CESC	KDM1A	cg04886391	-0.0110837543848761	309	-0.192945602849855	0.847130834163227	0.00012284961126426	0.918362543379237
CESC	KDM1A	cg06958034	0.0946718947146406	309	1.65810823159001	0.0983270678790927	0.00896276764886	0.23521697166624
CESC	KDM1A	cg07118078	-0.00391996174509575	309	-0.068347393556133	0.945554029954935	1.53661000830141e-05	0.970914577312033
CESC	KDM1A	cg07785945	-0.00519966144386152	309	-0.0906604206752383	0.927822126258319	2.70364791307801e-05	0.961966281493482
CESC	KDM1A	cg10499166	0.138150480572797	309	2.43205631453404	0.0155905187440825	0.0190855552824948	0.0601522003261992
CESC	KDM1A	cg12578844	0.13960453045135	309	2.45816008854499	0.014522715917676	0.0194894249225419	0.0569244803798906
CESC	KDM1A	cg22683154	-0.364924454529268	309	-6.83396510593838	4.51977664925964e-11	0.133169857513484	1.90678690158625e-09
CESC	KDM1A	cg26662347	0.0749017329872562	309	1.30963520957586	0.191308136584785	0.00561026960449422	0.371805365680942
CESC	KDM1B	cg11007366	-0.130406538939857	309	-2.29329908212159	0.0225130844601729	0.0170058653982725	0.0795943984219925
CESC	KDM1B	cg15124342	-0.140642191422077	309	-2.47272152490522	0.0139574830891834	0.0197802260080042	0.0552293204191217
CESC	KDM1B	cg20677365	-0.0655497564374731	282	-1.0933167683861	0.275204627200842	0.00429677056901205	0.4717011761842
CESC	KDM1B	cg22406543	0.127357487726196	309	2.23878436463617	0.0258933452339271	0.0162199296799282	0.0884532955310289
CESC	KDM1B	cg23073439	-0.118466512580015	309	-2.08018277303501	0.0383461808607428	0.0140343146028709	0.118645459725595
CESC	KDM1B	cg23860886	-0.0376039456981785	309	-0.655031230828709	0.512944606862603	0.00141405673207156	0.694711038125812
CESC	KDM1B	cg24342628	0.0911589311176996	309	1.59605568075305	0.111515346061662	0.0083099507225215	0.257363973879226
CESC	KDM2A	cg05038268	-0.0272681053776439	309	-0.475612516514125	0.634692031935219	0.000743549570886293	0.784791150863829
CESC	KDM2A	cg05295919	-0.145303246720861	309	-2.56062415063793	0.010931340491327	0.0211130335076234	0.0457143335461269
CESC	KDM2A	cg06320126	-0.0647257277232133	309	-1.13090302485354	0.258987295574176	0.00418941982929955	0.453714760885859
CESC	KDM2A	cg07283932	-0.103816263153171	309	-1.81993241702813	0.0697526320577169	0.0107778164950885	0.183881269342529
CESC	KDM2A	cg08836144	0.00263518244645243	309	0.0454904600432818	0.963746847189406	6.94418652609104e-06	0.980933420081546
CESC	KDM2A	cg09993857	-0.0293185033641017	309	-0.511405416176017	0.60943844388079	0.000859574639510842	0.766964124227743
CESC	KDM2A	cg11637544	0.00341777626605686	309	0.0595913134713756	0.95252029109384	1.16811946048216e-05	0.974978817805479
CESC	KDM2A	cg16004548	-0.224475872147784	309	-4.00975842784423	7.66013222461094e-05	0.0503894171765082	0.000765757294116402
CESC	KDM2A	cg18132081	0.0651338753325739	309	1.1380645622364	0.255989638895963	0.00424242171583928	0.450237570217101
CESC	KDM2A	cg21293464	-0.050875926089961	309	-0.8882023203455	0.375134145128739	0.00258835985551117	0.573862148231116
CESC	KDM2A	cg21711868	-0.156946054939776	309	-2.77078583096645	0.00593648860653305	0.0246320641611591	0.0284391400121086
CESC	KDM2A	cg25597833	-0.157525390291732	309	-2.78127340207245	0.00575271522006367	0.0248142485865626	0.0277312385567997
CESC	KDM2B	cg03486832	-0.19003500826038	309	-3.37487283256436	0.000834329614289863	0.0361133043645228	0.00577351343302487
CESC	KDM2B	cg05067991	-0.0209223961952576	309	-0.364874312685369	0.715458930629223	0.00043774666255133	0.838241721251371
CESC	KDM2B	cg07020001	-0.0437388441889844	309	-0.763343327366469	0.445850643232712	0.00191308649098825	0.637770390917284
CESC	KDM2B	cg07529210	-0.0892755655223974	309	-1.56281304085683	0.11913693975069	0.00797012659934387	0.269375663865756
CESC	KDM2B	cg07793808	-0.0535735904961852	309	-0.935430836530751	0.350308775044094	0.00287012959865294	0.549334210441256
CESC	KDM2B	cg09151742	-0.0515834762739452	309	-0.900587605565281	0.368520504308929	0.00266085502450467	0.56735966974488
CESC	KDM2B	cg12251659	-0.0621410291774765	309	-1.0855638495102	0.27853207830205	0.00386150750723598	0.475459691032622
CESC	KDM2B	cg12888660	-0.0913632908496312	309	-1.59966379623986	0.11071190866266	0.00834725091487431	0.256132820511003
CESC	KDM2B	cg15234492	-0.0783057906710397	309	-1.36951335810564	0.171849662395266	0.00613179685261668	0.346128641165526
CESC	KDM2B	cg15316703	-0.0493373993033486	309	-0.861275839253748	0.389764948225044	0.00243417897001806	0.587361726017842
CESC	KDM2B	cg16837338	-0.0505563106086062	299	-0.867970099559817	0.386118625292033	0.00255594054235387	0.584163989419845
CESC	KDM2B	cg17452615	-0.106160667467881	309	-1.86149380635241	0.06363946435495	0.011270087317226	0.171834861707215
CESC	KDM2B	cg20055546	-0.0363108954986088	309	-0.633519875867221	0.526870535795271	0.00131848113191089	0.705535278370526
CESC	KDM2B	cg21249371	-0.096651784911376	309	-1.69310815000318	0.0914593023549396	0.00934156752655489	0.223383409230485
CESC	KDM2B	cg21781916	-0.187459648236231	309	-3.32745882733179	0.000984069079598534	0.0351411197168516	0.00662753614217716
CESC	KDM2B	cg26218726	-0.200827670008009	309	-3.57437224189609	0.000408159856662525	0.0403317530408457	0.00315692860302292
CESC	KDM2B	cg26509318	-0.170677618613623	309	-3.02018131062176	0.00274059186785728	0.0291308494956172	0.0153261162941621
CESC	KDM3A	cg01744130	-0.101140398957033	309	-1.77253237062904	0.0773076562042179	0.0102293803011879	0.198124585957863
CESC	KDM3A	cg02152982	0.061257159077799	309	1.07006462732524	0.285439082475823	0.00375243953828277	0.482670086711794
CESC	KDM3A	cg02972551	0.104754807769031	309	1.83656712989164	0.0672500838735162	0.0109735697507267	0.179000685149222
CESC	KDM3A	cg03037033	-0.110866894948418	309	-1.94502090581361	0.0526942790119708	0.0122914683955036	0.149877212583295
CESC	KDM3A	cg04793821	-0.116626498017773	309	-2.04742441666886	0.0414756689982152	0.0136017400398897	0.125683943364255
CESC	KDM3A	cg07052513	-0.106670573531829	309	-1.87053750709863	0.0623699217147718	0.0113786112576092	0.169348563396704
CESC	KDM3A	cg07211384	-0.0393834003663116	309	-0.687206202170604	0.492476710360115	0.00155105222441319	0.677963779963808
CESC	KDM3A	cg12888358	-0.0266129563443034	309	-0.463413076756947	0.643401001296929	0.000708249445383796	0.790710059791999

CESC	KDM3A	cg18611949	-0.0656784802011022	309	-1.14762133264633	0.252027248044069	0.00431366276152657	0.445845985992499
CESC	KDM3A	cg19139691	-0.077914436969188	308	-1.36038393744787	0.174719615724779	0.00607065948822557	0.350150388626241
CESC	KDM3A	cg20191795	0.00828626585973935	309	0.144480942282622	0.885216440271769	6.86622018982819e-05	0.939168465796141
CESC	KDM3A	cg20918903	-0.121647534358666	309	-2.13686697516732	0.0334068234837941	0.0147981226155429	0.106917777845817
CESC	KDM3A	cg22404242	0.0120491198926781	309	0.210098835646759	0.833731274745201	0.000145181290188132	0.910811347482481
CESC	KDM3A	cg24749656	-0.145948789387533	309	-2.57224734353513	0.0105787417697892	0.0213010491236865	0.0445326102402046
CESC	KDM3B	cg00435490	-0.0786609526055746	309	-1.3757634768325	0.169907624068892	0.00618754546481645	0.343578116160625
CESC	KDM3B	cg03315484	-0.0920751678520956	309	-1.61223408239328	0.107948646936289	0.00847783653499158	0.251611548714475
CESC	KDM3B	cg05191700	-0.285088628603153	309	-5.18589887550142	3.93137499086259e-07	0.0812755261588264	7.41963576029025e-06
CESC	KDM3B	cg05708550	-0.0794393363992694	309	-1.38946327579373	0.165708721946012	0.00631060816755628	0.33786251644786
CESC	KDM3B	cg05722427	-0.0469609289962517	309	-0.819696123785433	0.413031547296594	0.00220532885219099	0.608611723457004
CESC	KDM3B	cg15001364	-0.0923894415579163	309	-1.61778430283695	0.106746162457862	0.00853580891138364	0.249480591307064
CESC	KDM3B	cg18682923	-0.00244594240876649	309	-0.0426465906958025	0.966011251857982	5.9826342670024e-06	0.982158783598508
CESC	KDM3B	cg19076659	-0.0468388590350861	309	-0.817560719605396	0.414248358523486	0.00219387871570866	0.609844952084024
CESC	KDM3B	cg24137987	-0.252503162085757	309	-4.54998031301679	7.7639669228072e-06	0.0637578468633059	0.000104768437605007
CESC	KDM4A	cg00154982	-0.053946150894092	309	-0.941954911776236	0.346963652737819	0.00291018719628814	0.546247507760276
CESC	KDM4A	cg00979347	-0.0723167068641744	309	-1.26419488572689	0.207128514947544	0.00522970609167892	0.392009654058211
CESC	KDM4A	cg03587511	0.0268424109291495	309	0.468182123084128	0.639989846527427	0.000720515024489327	0.788485978188472
CESC	KDM4A	cg08552254	-0.187411160559416	309	-3.32656682429219	0.000987112083436059	0.0351229431022273	0.00664421823975661
CESC	KDM4A	cg10958452	-0.13549429738964	308	-2.38048758900442	0.0179078603587626	0.0183587046251122	0.0668710261963988
CESC	KDM4A	cg10968649	-0.0371304859126771	309	-0.647838876277859	0.517578131157114	0.00137867298411151	0.698453946975376
CESC	KDM4A	cg12293275	-0.0426211913477833	309	-0.743801753312223	0.457570910839243	0.00181656595190436	0.647733279732381
CESC	KDM4A	cg17737314	-0.178147789282612	309	-3.15660673630123	0.00175627394114579	0.031736634826282	0.0106940806964226
CESC	KDM4A	cg19743044	-0.0872312166887723	309	-1.52674805605526	0.127863396758265	0.00760928516500355	0.282794253920864
CESC	KDM4A	cg20873046	-0.164951564660296	309	-2.91597276527154	0.00380960968236698	0.0272090186838797	0.0199720180355857
CESC	KDM4A	cg21451504	-0.157283473915052	309	-2.77689368962631	0.00582882459892556	0.0247380911667867	0.0280321204777952
CESC	KDM4A	cg22094309	-0.15038779874599	309	-2.65226485536091	0.00841503373659396	0.0226164900116645	0.037351029373395
CESC	KDM4A	cg24324755	-0.104133226932714	309	-1.82554971356472	0.0688991029113659	0.0108437289514202	0.18219303211825
CESC	KDM4A	cg24505556	-0.114493336580928	309	-2.00947380271875	0.0453704187964861	0.0131087241214336	0.134428182505098
CESC	KDM4A	cg25841161	-0.103256042974908	309	-1.81000545092103	0.0712823223936527	0.0106618104108361	0.186824910325848
CESC	KDM4B	cg01098771	-0.180279202952602	309	-3.19563424812732	0.00154191730850349	0.0325005910172253	0.0096138426783458
CESC	KDM4B	cg12072803	-0.186095969127176	309	-3.30238150596752	0.0010730321782645	0.0346317097253829	0.0071186034095588
CESC	KDM4B	cg18115693	-0.131387057240511	309	-2.31084398897303	0.0215104537555962	0.0172625588103214	0.0770157518022164
CESC	KDM4C	cg00121158	0.337291436297641	309	6.24694645510649	1.40962412397799e-09	0.113765512999726	4.5351653887818e-08
CESC	KDM4C	cg00667760	0.200215970532743	309	3.56302971243972	0.000425468382682499	0.0400864348563684	0.00327119251874546
CESC	KDM4C	cg05545111	0.205091995352807	309	3.65356607645247	0.000304518590833136	0.0420627265577959	0.00247567345127735
CESC	KDM4C	cg14196303	0.0635479288205372	309	1.11024002998052	0.267773011192826	0.00403833925738006	0.46349086936487
CESC	KDM4C	cg14473811	0.257604353489144	309	4.64836546353094	4.99329517730258e-06	0.0663600029365599	7.11965551728514e-05
CESC	KDM4C	cg14497348	0.108211588179775	309	1.89787806742196	0.0586593105341682	0.0117097478163891	0.161975735764565
CESC	KDM4E	cg15555590	-0.0994065841688575	309	-1.74184053109738	0.0825477907756423	0.00988166897612015	0.207574193864962
CESC	KDM4E	cg19409026	-0.0128929380660575	309	-0.224814742473526	0.822274433861442	0.000166227851975194	0.904546729411957
CESC	KDM5B	cg00528052	-0.0961698585191956	309	-1.68458694499216	0.093094601613433	0.0092486416876021	0.226269298525804
CESC	KDM5B	cg00571448	-0.137932316561811	309	-2.42814112129972	0.0157565228532398	0.0190253239521077	0.0606003331608708
CESC	KDM5B	cg02624558	-0.082599053478712	309	-1.445101823377	0.149459276396507	0.00682260363557912	0.314923024628042
CESC	KDM5B	cg04504182	-0.0799350327822079	309	-1.39818901907064	0.163075529903212	0.00638960946589265	0.333876300057648
CESC	KDM5B	cg08915090	-0.0735851759849885	309	-1.28648913782817	0.199251260210398	0.00541477812474173	0.38199816483482
CESC	KDM5B	cg09889216	-0.150384072620008	309	-2.65219762020108	0.00841667104681054	0.0226153692977798	0.0373533291925141
CESC	KDM5B	cg11171004	0.096117774026513	309	1.683666082206	0.0932727269956089	0.00923862648381183	0.22657481729575
CESC	KDM5B	cg11221497	-0.176357842537418	309	-3.12386717190758	0.00195698677555748	0.0311020886244528	0.0116848437499208
CESC	KDM5B	cg13134514	0.00141950381482105	309	0.024749919650548	0.980270675182814	2.01499108029152e-06	0.989801346921421
CESC	KDM5B	cg13253785	-0.292656865626166	309	-5.33628245179008	1.85781804124167e-07	0.0856480409981316	3.79734883605765e-06
CESC	KDM5B	cg13993945	-0.167420127312095	309	-2.9608603037815	0.00330944530461516	0.0280294990291982	0.0178083273173709
CESC	KDM5B	cg14560895	-0.178619948229458	309	-3.16524828159619	0.00170656474521108	0.0319050859054941	0.0104486461348143
CESC	KDM5B	cg21105875	-0.123699226892373	299	-2.1374157836309	0.0333890162277421	0.0153014987337709	0.106887170421833
CESC	KDM5B	cg24354901	0.103874944423739	308	1.81797484873978	0.0700553691441629	0.0107900040790349	0.184479781135755
CESC	KDM5B	cg27531483	-0.181829848611346	309	-3.22405673759492	0.00140133779243183	0.0330620938460251	0.00888545702375432
CESC	KDM5C	cg01859586	-0.0749441210380644	309	-1.31038053746579	0.191056308046704	0.00561662127816805	0.371482989957142

CESC	KDM5C	cg04927657	-0.0385803523442081	308	-0.672064500780042	0.502054756481335	0.00148844358700324	0.685766567278287
CESC	KDM5C	cg04927982	-0.165348031946451	308	-2.92317817495253	0.00372493139984784	0.0273399716685646	0.0195967615689296
CESC	KDM5C	cg09554224	-0.0583952930730363	308	-1.01989713996253	0.308588201589	0.0034100102530858	0.507172470205501
CESC	KDM5C	cg12234996	-0.124522677122094	308	-2.18815801755195	0.0294190346666146	0.0155058971176533	0.0972765071133004
CESC	KDM5C	cg16417926	-0.109988512800069	308	-1.92942132130221	0.0546090503925244	0.012097472947971	0.15388561447817
CESC	KDM5C	cg16824069	-0.16020968733335	308	-2.82990522289887	0.00496612138277589	0.0256671439154497	0.0246323926837329
CESC	KDM5C	cg19903753	-0.128540806254386	308	-2.25993344770966	0.0245328924622443	0.0165227388725276	0.0849700296606489
CESC	KDM5C	cg24985300	-0.230874864721215	308	-4.13721406011605	4.55517827636598e-05	0.0533032031600391	0.000489455164132064
CESC	KDM5C	cg27526317	-0.109489093316452	308	-1.92055394859013	0.0557232410788288	0.0119878615552587	0.155983369309719
CESC	KDM6A	cg00751785	-0.100029323117361	308	-1.75286234277191	0.0806336421755136	0.0100058654833173	0.204139988264837
CESC	KDM6A	cg03267667	0.137870171276638	308	2.42702592173473	0.0158040923084988	0.0190081841278495	0.0607472482359481
CESC	KDM6A	cg03478540	-0.00626303989188029	308	-0.109201973653503	0.913114341779971	3.92256686872839e-05	0.954076572171153
CESC	KDM6A	cg06877198	0.0462087926875332	308	0.806539373275813	0.42056242290396	0.00213525252163943	0.615729254505125
CESC	KDM6A	cg07167981	-0.161746091284958	308	-2.8577694065836	0.00456078264290953	0.0261617980459619	0.0230330774423853
CESC	KDM6A	cg11895950	-0.125250437655018	308	-2.20114970907522	0.0284768096745995	0.0156876721327736	0.0949642031818328
CESC	KDM6A	cg14384228	0.0642783056011595	308	1.12305301431134	0.26230111166876	0.00413170057095605	0.45768552569064
CESC	KDM6A	cg15923127	-0.0106459533263577	308	-0.185629058384434	0.852859458169719	0.000113336322226987	0.921606154781224
CESC	KDM6A	cg17824914	-0.0432338202193611	308	-0.754512896812221	0.451125380101233	0.00186916321076004	0.641777936511774
CESC	KDM6A	cg20211377	0.0969136678016725	308	1.69773914877868	0.0905803489358031	0.00939225900677293	0.221786719914134
CESC	KDM6A	cg22133177	0.00116720105196711	308	0.020350859591862	0.983776834654165	1.36235829571313e-06	0.991486957584084
CESC	KDM6A	cg27306636	-0.127227573194468	308	-2.23646303646803	0.0260465885346739	0.0161868553809537	0.0888682468543789
CESC	KDM6B	cg01046511	-0.0490509785965406	308	-0.856263740116117	0.392526335262222	0.00240599850127829	0.589430520910073
CESC	KDM6B	cg02308232	-0.0280622447113588	308	-0.489474721381631	0.624858641643825	0.000787489578240185	0.777876064841973
CESC	KDM6B	cg24893073	-0.150663614132548	308	-2.65724205928718	0.00829462099736855	0.0226995246234814	0.0369481852101877
CESC	KDM8	cg00636124	-0.0415742777861913	308	-0.725499557420796	0.468703731126438	0.0017284205734434	0.657663832071953
CESC	KDM8	cg01755539	-0.0464641349325728	308	-0.811005794320957	0.417996819882022	0.00215891583503233	0.613401580885498
CESC	KDM8	cg06329197	-0.00522292259768362	308	-0.091066009272634	0.927500115798889	2.72789204613942e-05	0.961757647767468
CESC	KDM8	cg08572679	-0.0682862948062222	308	-1.19339790234227	0.233644072127446	0.00466301805836229	0.424526613268306
CESC	KDM8	cg09140090	-0.0748021433319881	308	-1.30573121148637	0.192634470644232	0.0055953606470593	0.373357068346639
CESC	KDM8	cg10214171	0.156391141152762	308	2.76074310758451	0.00611743348593595	0.0244581890310633	0.0291315686948332
CESC	KDM8	cg10221365	0.0574843859587044	308	1.00393461766598	0.316208551993089	0.0033044546290493	0.515474459257106
CESC	KDM8	cg16752029	-0.0186927464606105	308	-0.325976127260687	0.744666692077747	0.000349418770240666	0.856531801987788
CESC	KDM8	cg24206694	0.279137442099773	308	5.06839024365558	6.98061504972646e-07	0.0779177115820043	1.24296170102637e-05
CESC	KDM8	cg24705286	0.0716136911245376	308	1.25184154430177	0.211589939403484	0.00512852075648068	0.397652503888356
CESC	KIAA202	cg03495688	0.0602090399166745	308	1.05168846558738	0.293777757347232	0.0036251284876877	0.491508169277615
CESC	KIAA202	cg25608569	-0.184585387325499	308	-3.27462579468398	0.00118018190226612	0.0340717652141044	0.00770744383016207
CESC	KMT2B	cg09284703	-0.143698713235633	308	-2.5317484715405	0.0118531358576621	0.0206493201855768	0.0487018593766444
CESC	KMT2B	cg13830730	0.122094586112752	308	2.1448385247938	0.03275808759269	0.0149070879580443	0.105398269537978
CESC	KMT2B	cg15496871	0.127835359883368	308	2.24732404945991	0.0253363177280003	0.0163418792365103	0.0870742843846994
CESC	KMT2B	cg24471867	-0.0491552753083172	308	-0.858088812138854	0.391519445288999	0.00241624109063646	0.588580500247592
CESC	L3MBTL1	cg01071811	-0.291759845053392	308	-5.31840184302447	2.03275693661513e-07	0.0851238071855793	4.11277745453933e-06
CESC	L3MBTL1	cg01877937	-0.297301510072029	308	-5.42911367437732	1.160065608161e-07	0.0883881878911087	2.4840667195507e-06
CESC	L3MBTL1	cg02177317	-0.182961753405759	308	-3.24481962685492	0.00130625500225209	0.0334750032093099	0.00838093209444938
CESC	L3MBTL1	cg02472486	-0.217798160176769	308	-3.89084495624581	0.000122772368905734	0.0474360385763853	0.00114905602341827
CESC	L3MBTL1	cg02611863	-0.352542279880262	308	-6.56851005117559	2.20046624919733e-10	0.124286059103173	8.20628338399123e-09
CESC	L3MBTL1	cg03486259	-0.135545745860461	308	-2.38533487703877	0.0176759785192786	0.0183726492208685	0.0662149117796868
CESC	L3MBTL1	cg04984575	-0.236142891102763	308	-4.23712491455773	3.0051531013106e-05	0.0557634650183714	0.000341438411513593
CESC	L3MBTL1	cg06362543	-0.151633322834433	308	-2.67474590707692	0.00788336031802871	0.0229926645938113	0.0355153965297818
CESC	L3MBTL1	cg06446163	-0.291045091107811	308	-5.30416539894718	2.1833852115986e-07	0.0847072450579538	4.37881591005675e-06
CESC	L3MBTL1	cg06908806	-0.0861468126089232	308	-1.50762567077657	0.132688835054995	0.00742127332267692	0.290199472428122
CESC	L3MBTL1	cg07678583	-0.217193581322458	308	-3.87950898935766	0.000128351623313789	0.0471730517676753	0.00119366242487422
CESC	L3MBTL1	cg08369943	-0.0441265233963242	308	-0.770122362097309	0.441825347159902	0.00194715006704635	0.634322652699085
CESC	L3MBTL1	cg08633313	-0.276903305194124	308	-5.02444084755632	8.62996648645434e-07	0.07667544042743	1.50326827775913e-05
CESC	L3MBTL1	cg09541000	-0.212257860849429	308	-3.78713713351294	0.000183647366227307	0.0450533994923758	0.0016143122269251
CESC	L3MBTL1	cg10360552	-0.276613837248117	308	-5.01875298410223	8.869207556968e-07	0.0765152149571279	1.53908349918976e-05
CESC	L3MBTL1	cg12699433	-0.106477530672956	308	-1.86711352118914	0.0628480776764082	0.0113374645382103	0.170280133004121
CESC	L3MBTL1	cg14306330	-0.035615357555824	308	-0.620346361130387	0.5354960650904	0.00126845369382919	0.711874249997806

CESC	L3MBTL1	cg15123011	-0.126078413279097	309	-2.21593479144259	0.0274364047180387	0.0158957662949748	0.092353756593618
CESC	L3MBTL1	cg15302378	-0.341824857802511	309	-6.34193489159726	8.20116715484196e-10	0.116844233411707	2.76191167811158e-08
CESC	L3MBTL1	cg15330298	-0.331136695996087	309	-6.11876945609222	2.90010719630574e-09	0.109651511435205	8.78154040425054e-08
CESC	L3MBTL1	cg15388309	-0.339348063204976	309	-6.28997737632048	1.10372540840904e-09	0.115157108000968	3.62444974342646e-08
CESC	L3MBTL1	cg16862791	-0.298690233160809	309	-5.45695136172259	1.00606534230738e-07	0.0892158553856583	2.1849761931731e-06
CESC	L3MBTL1	cg17091610	-0.376535987301393	309	-7.08669597828394	9.62002667525741e-12	0.141779349733035	4.57724987874603e-10
CESC	L3MBTL1	cg17774347	-0.119791027204747	309	-2.10377695496525	0.0362191481467598	0.0143498901987683	0.113765591752293
CESC	L3MBTL1	cg18911945	-0.279466220092947	309	-5.07486539436203	6.76502409904193e-07	0.0781013681730395	1.21011332435242e-05
CESC	L3MBTL1	cg20091959	-0.209000117930006	309	-3.72633539730537	0.000231604058661218	0.0436810492947565	0.0019631080997484
CESC	L3MBTL1	cg20252111	-0.236039258695632	309	-4.23515569429298	3.03012298952687e-05	0.0557145316455834	0.000344074423948698
CESC	L3MBTL1	cg20529070	-0.282436687582226	309	-5.13345573366375	5.08598609383084e-07	0.0797704824924199	9.36914994514507e-06
CESC	L3MBTL1	cg22330467	-0.0795965423660042	309	-1.38534386948498	0.166973076257154	0.0063356095566231	0.339639259886234
CESC	L3MBTL1	cg22457903	-0.335172529386651	309	-6.20271799268529	1.81029436040717e-09	0.112340624455445	5.70393031484469e-08
CESC	L3MBTL1	cg22601123	-0.0454974973942897	309	-0.79409829966388	0.427757642077559	0.0020700222691434	0.622046097049903
CESC	L3MBTL1	cg23626798	-0.277742411221343	309	-5.04093713393787	7.97089592339358e-07	0.0771408469910455	1.3978536462229e-05
CESC	L3MBTL1	cg24343973	-0.179047045455752	309	-3.17306704397613	0.00166271234914308	0.0320578444864341	0.0102284552023752
CESC	L3MBTL2	cg02358112	-0.167650983280178	309	-2.9650610281748	0.00326585697702754	0.0281068521948104	0.0176310949112339
CESC	L3MBTL2	cg06235991	-0.0398768076263494	309	-0.695829358579218	0.487067303716585	0.00159015978646888	0.673400757541196
CESC	L3MBTL2	cg08053598	-0.03027732110859	309	-0.528145267133099	0.597783825146408	0.000916716173512668	0.758518241912927
CESC	L3MBTL2	cg09993119	0.0260137957789643	309	0.453719573738743	0.650354401849992	0.000676717570829661	0.795465490186616
CESC	L3MBTL2	cg12821546	0.0217287433325644	309	0.378943052750472	0.704994680099269	0.000472138286812461	0.831604843636347
CESC	L3MBTL2	cg13843727	-0.0422004774437376	309	-0.736446519952542	0.462026912175663	0.0017808802964794	0.651505766024281
CESC	L3MBTL2	cg14679202	0.0481195541501408	309	0.83996612579111	0.401587481727578	0.00231549149160834	0.598167583547431
CESC	L3MBTL2	cg15283028	-0.0499187136610205	309	-0.871448962444081	0.384196746595707	0.00249187797357095	0.582354922835111
CESC	L3MBTL2	cg19467356	0.0245693673589506	309	0.428510913345276	0.668582648547458	0.000603653812419066	0.807869014482548
CESC	L3MBTL2	cg24240981	-0.058398009489205	309	-1.01826567365025	0.309364071036174	0.00341032651483012	0.507982112463603
CESC	L3MBTL2	cg26947834	0.0822169754429762	309	1.43837162359671	0.15135731425309	0.00675963105099095	0.317661106691033
CESC	L3MBTL2	cg27177954	-0.113185993301686	309	-1.98622909707112	0.0479056647491433	0.0128110690796892	0.139856372880429
CESC	L3MBTL2	cg03454037	0.0185278074685996	309	0.323098822989485	0.746842529132281	0.000343279649593495	0.857811760316905
CESC	L3MBTL2	cg07826275	-0.125604606499554	309	-2.20747349481767	0.028027705887148	0.0157765171739077	0.0938729647300464
CESC	L3MBTL2	cg08106148	-0.141436239915512	309	-2.49106688741662	0.0132692742205008	0.0200042099614382	0.0531577279319038
CESC	L3MBTL2	cg08358392	-0.300063641822693	309	-5.48451949546067	8.73234296911963e-08	0.0900381891438973	1.92116484428646e-06
CESC	L3MBTL2	cg09710740	-0.142940134006917	309	-2.51810395912143	0.0123123332631197	0.0204318819099153	0.0501673089947087
CESC	L3MBTL2	cg10237990	-0.117867058476717	309	-2.06950813420381	0.0393430340231242	0.0138926434739538	0.121031793293061
CESC	L3MBTL2	cg16487825	-0.126687922630278	309	-2.22682174748625	0.0266915236125512	0.0160498297403753	0.0904737379473167
CESC	L3MBTL2	cg16800851	-0.16805025715572	309	-2.96743479688034	0.00324226173202272	0.0282408889301037	0.017537790931788
CESC	L3MBTL2	cg18411550	-0.142636963109849	309	-2.51265211361598	0.0125001958678224	0.0203453032452005	0.0507543332082986
CESC	L3MBTL2	cg18798995	-0.139313389453976	309	-2.45293209852152	0.0147312307288827	0.0194082204811553	0.0575648665522756
CESC	L3MBTL2	cg22934935	0.0267561590664214	309	0.466676648909553	0.641065500706816	0.000715892047987646	0.789098885474462
CESC	L3MBTL2	cg24516147	-0.138848222646917	309	-2.44458048986611	0.0150698330403181	0.0192788289322079	0.0585819803886922
CESC	LBR	cg01017344	-0.0533093539451864	309	-0.930803907255042	0.352693581136235	0.00284188721805316	0.551683847084736
CESC	LBR	cg05530459	0.167319717409781	309	2.95903337151904	0.00332856788324395	0.0279958878340889	0.0178976092002405
CESC	LBR	cg12994003	0.0171154402124883	309	0.298461615661953	0.765554768992446	0.000292938293667263	0.869983167275306
CESC	LBR	cg14607642	-0.0937500819311089	309	-1.64181949547586	0.101661457866516	0.00878907786208963	0.241088021377506
CESC	LBR	cg18107727	-0.0668256709453476	309	-1.16775570940504	0.243820368433899	0.00446567029729587	0.436512133614405
CESC	LBR	cg18289048	-0.00601461888509568	309	-0.104870360509551	0.916547835852806	3.61756403329496e-05	0.955930798674512
CESC	LBR	cg18764107	0.0288363840154492	309	0.502988705644668	0.615336425549555	0.000831537043086456	0.771130722960228
CESC	LBR	cg19322477	-0.148207074218695	309	-2.61293497503556	0.00942315508644205	0.0219653368484659	0.0406693440662787
CESC	LBR	cg20483690	-0.166133262372777	309	-2.93261796601938	0.00361745539780535	0.0276002608666219	0.0191192557386282
CESC	LBR	cg26930584	-0.202970337054132	309	-3.59626030218837	0.000377174821734867	0.0411969577238681	0.00296084138062989
CESC	MBD1	cg01719254	-0.197165395260098	309	-3.50652844523291	0.000522431534124471	0.0388741930880708	0.00389105205990226
CESC	MBD1	cg03841029	-0.276149533147815	309	-5.00963278840417	9.26627094138128e-07	0.0762585646577559	1.60226779642991e-05
CESC	MBD1	cg05549078	-0.0126569536472066	309	-0.220699206071248	0.82547479887504	0.000160198475627536	0.906186837758226
CESC	MBD1	cg12090413	-0.0507735265394045	309	-0.886409982836486	0.376097307199183	0.00257795099724761	0.574634965752479
CESC	MBD1	cg13478031	-0.0925916560351388	309	-1.62135576267964	0.105978044471882	0.00857321476732945	0.248241031686298
CESC	MBD1	cg14389183	-0.137891386286536	309	-2.42740662262873	0.0157878390503479	0.0190140344120228	0.0607027702803719
CESC	MBD1	cg19328682	-0.345014126276537	309	-6.40905914524728	5.57322107877311e-10	0.119034747330362	1.92609133985818e-08

CESC	MBD1	cg21282183	0.0571606592081951	305	0.998262314114667	0.318946095708308	0.00326734096111542	0.518322384991271
CESC	MBD2	cg15090185	0.0194737812525037	305	0.339601377421322	0.734391238747555	0.000379228156270364	0.850268365685309
CESC	MBD2	cg16852837	-0.181023602181655	305	-3.20927559146657	0.00147289255394573	0.0327695445468219	0.00926066461987019
CESC	MBD2	cg17987217	0.000810374116752249	305	0.0141293601649564	0.988736044914993	6.56706209101988e-07	0.994064539567533
CESC	MBD2	cg22224310	-0.158872189358188	305	-2.80104720596446	0.00542127491341481	0.0252403725514641	0.0264597942539803
CESC	MBD2	cg22836370	0.14621770835631	305	2.57709030135313	0.0104348520440337	0.0213796182369711	0.044062795414078
CESC	MBD2	cg23388714	-0.16438315807488	305	-2.90564505895453	0.0039340487877289	0.0270218226586709	0.0205007181718908
CESC	MBD2	cg24881765	-0.131888571231254	305	-2.31600185788568	0.0212254351608116	0.0173945952214216	0.0761910069629098
CESC	MBD2	cg25192916	0.144719910297485	305	2.55012387403574	0.0112588591266207	0.0209438524365121	0.0467680311243235
CESC	MBD3	cg08660999	0.199664109628119	305	3.55280047359776	0.000441666462876732	0.0398657566735897	0.00337614236150462
CESC	MBD3	cg09174855	-0.113708320262953	305	-1.99551486648732	0.046878887071473	0.0129295820970222	0.137675870770439
CESC	MBD3	cg12286540	-0.115518429488703	305	-2.02770745919861	0.0434621065460605	0.0133445075515364	0.130172046368347
CESC	MBD5	cg03890220	0.24235700524446	305	4.35548835128079	1.81725637601579e-05	0.0587369179910633	0.000220651853466166
CESC	MBD5	cg04152151	0.147915954838548	305	2.60768753093844	0.00956554406061286	0.0218791296957994	0.0411355408873033
CESC	MBD5	cg05218490	-0.00343284011019269	305	-0.0598539651909619	0.952311271934505	1.17843912221478e-05	0.974867793363593
CESC	MBD5	cg06394585	0.00189052478285141	305	0.0329624848202306	0.973726135450518	3.57408395457538e-06	0.986273951638083
CESC	MBD5	cg06758980	0.214357167295633	305	3.82638798727041	0.000157849110183025	0.0459489951710078	0.00142175682269055
CESC	MBD5	cg20595490	0.146737781305955	305	2.58645794489386	0.0101614859653955	0.0215319764625944	0.0431803484564363
CESC	MBD5	cg21412502	-0.0672373120574173	305	-1.17498156388816	0.240921581674052	0.00452085613270652	0.433096557475476
CESC	MBD5	cg23120335	-0.0466368344642838	305	-0.814026727542333	0.416266798327506	0.00217499432884901	0.611855407721914
CESC	MBD5	cg25686162	0.166829640007742	305	2.95011789794636	0.00342334557111636	0.0278321287851128	0.0183126329513263
CESC	MBD5	cg26664634	-0.150944228528263	305	-2.66230651495531	0.00817368974057001	0.0227841601259925	0.0365313121726935
CESC	MBTD1	cg01388767	-0.0476547955372567	305	-0.831834828492605	0.406155110115619	0.00227097953769774	0.602473140051958
CESC	MBTD1	cg14577476	-0.0421309737161907	305	-0.735231441975351	0.462765375420597	0.00177501894627435	0.652133352935837
CESC	MBTD1	cg17045523	-0.105451996074831	305	-1.84892726603617	0.0654390864611582	0.0111201234761662	0.175444309552647
CESC	MBTD1	cg18711617	-0.117740102065531	305	-2.06724768241304	0.0395569402860818	0.0138627316344016	0.12151204788215
CESC	MBTD1	cg22141797	-0.0958884351489014	305	-1.67684670290033	0.0946037814538417	0.00919459199530507	0.22891466794464
CESC	MBTD1	cg25259117	-0.00285002108355239	305	-0.0496920173757619	0.960400450163884	8.12262017669311e-06	0.979228381196563
CESC	MBTD1	cg25716740	-0.134907636906126	305	-2.37389676490118	0.018222541672382	0.0182000704955952	0.0677663562723496
CESC	MBTD1	cg25855326	-0.0826076698758838	305	-1.44287458634082	0.15008876167572	0.006824027122323	0.315729837640977
CESC	MBTD1	cg27207041	-0.0971793983487684	305	-1.70243855133554	0.0896954061463969	0.00944383546342861	0.22032023343774
CESC	MBTD1	cg27214721	0.00511061314793945	305	0.0891077486876219	0.9290549542144	2.61183667478915e-05	0.962460435222498
CESC	MBTD1	cg27353579	-0.21059938884336	305	-3.75616744263782	0.000206762571992053	0.0443521025811969	0.00178423599839709
CESC	MLLT10	cg00879184	-0.0261136313369855	305	-0.455462041405187	0.649102007228189	0.000681921741603993	0.794720653285341
CESC	MLLT10	cg03524461	-0.053127366848816	305	-0.927617325858496	0.35434199337271	0.00282251710828867	0.553365224136135
CESC	MLLT10	cg04188362	-0.202895570477422	305	-3.61274895047122	0.00035437409601543	0.0411666125193584	0.00280963905681047
CESC	MLLT10	cg05913198	-0.23193978986352	305	-4.15737956017023	4.19106430256962e-05	0.053796066121934	0.000455718848144178
CESC	MLLT10	cg06398735	-0.140271483715142	305	-2.47013895535227	0.0140547793609121	0.0196760891436473	0.0555155661378761
CESC	MLLT10	cg11443378	-0.0658072751602373	305	-1.14988158730923	0.251096427619792	0.00433059746401519	0.444697798348452
CESC	MLLT10	cg15910013	0.107959737110799	305	1.89340880482606	0.0592529639894273	0.0116553048370328	0.163180582009116
CESC	MLLT10	cg19119538	-0.22761944761129	305	-4.07566623839869	5.86221679736192e-05	0.0518106129308688	0.000609216847056448
CESC	MLLT10	cg20569108	-0.212617736338817	305	-3.79386182820933	0.000178961651862194	0.0452063018058425	0.00158134288334479
CESC	MLLT10	cg23344688	-0.0561962516398987	305	-0.981365938949953	0.327192671792169	0.00315801869837482	0.52672847258919
CESC	MLLT10	cg26877631	0.0618437129655351	305	1.08034993703699	0.280842712872769	0.00382464483336349	0.478016094060618
CESC	MLLT10	cg27470303	-0.19950854199302	305	-3.54991752410355	0.000446335071204041	0.0398036583281805	0.0034064741027418
CESC	MLLT10	cg27572529	-0.164925013175592	305	-2.91549026966122	0.00381534230903607	0.027200259970969	0.0199926404141959
CESC	MLLT6	cg05652455	-0.0307818395648526	305	-0.53695415997097	0.591692041076201	0.000947521646996327	0.754238968917861
CESC	MORF4L	cg03589001	0.107151609381559	305	1.87907053364289	0.0611914396199763	0.0114814673930582	0.166982140234195
CESC	MORF4L	cg07757959	0.0299509278136666	305	0.522446655492296	0.601739886384169	0.000897058076899469	0.761315260235657
CESC	MORF4L	cg08692282	0.0792520835411551	305	1.38616733408197	0.166711669258251	0.00628089274561423	0.339231712439549
CESC	MORF4L	cg13747872	0.0249791031106511	305	0.435661482555734	0.663391531284102	0.000623955592212541	0.804347675499022
CESC	MORF4L	cg15822222	0.127545880712568	305	2.24215080083483	0.0256725008909733	0.0162679516867447	0.0879139876756989
CESC	MORF4L	cg20775702	-0.243541734165867	305	-4.37811854871706	1.64855568468028e-05	0.0593125762805178	0.000202347335017383
CESC	MORF4L	cg20905746	0.152861782932301	305	2.69693173654047	0.00738850955667863	0.0233667246812419	0.0337848534915804
CESC	MORF4L	cg23623458	-0.308135217034842	283	-5.40041088196132	1.42806237402595e-07	0.0949473119771094	2.99527323604678e-06
CESC	MORF4L	cg24795825	0.140139502380421	302	2.43919095193995	0.015305553534685	0.0196390801274321	0.0593246327076165
CESC	MPHOSF	cg00331616	-0.224176091123095	305	-4.0107219774338	7.62489417602875e-05	0.0502549198312304	0.000762920922868142

CESC	MPHOSF	cg03134886	-0.0314410445698414	309	-0.548464500218015	0.583775546014204	0.000988539283642755	0.748668559621316
CESC	MPHOSF	cg03428000	-0.00492971332854078	309	-0.085953533098268	0.931559938050029	2.43020735015926e-05	0.963732247571897
CESC	MPHOSF	cg04203901	-0.132834446986612	309	-2.33675549016818	0.0201011898763629	0.017644990306239	0.0731271962795443
CESC	MPHOSF	cg06019692	-0.292873069446353	309	-5.34059441602157	1.817871889359e-07	0.0857746348069281	3.72960962868978e-06
CESC	MPHOSF	cg09559995	-0.340599509682587	309	-6.31621128490609	9.50234684209048e-10	0.116008025996018	3.15503871205116e-08
CESC	MPHOSF	cg11051893	0.0775458055336649	309	1.35614094399093	0.176060735661824	0.00601335195586498	0.351897793697753
CESC	MPHOSF	cg19693579	-0.0876141708257134	309	-1.5335023736905	0.126192136415563	0.00767624292947728	0.280271100807693
CESC	MPHOSF	cg20759595	-0.137208678500173	309	-2.41515721604293	0.0163182762880092	0.0188262214557637	0.0622401092837535
CESC	MPHOSF	cg20952532	-0.10015578946787	309	-1.75510091531936	0.0802493314783609	0.0100311821639323	0.20349140903532
CESC	MPHOSF	cg21958444	-0.366911822117428	309	-6.86563431429157	3.75053997189907e-11	0.134624285209531	1.60224880051574e-09
CESC	MPHOSF	cg22656705	-0.385686756441212	309	-7.27660111384412	2.95222824514581e-12	0.148754274094143	1.55179489258698e-10
CESC	MSH6	cg00620552	-0.158970534629853	309	-2.80744737006283	0.00531634679034612	0.0252716308805011	0.0260407934900004
CESC	MSH6	cg02905881	-0.00925750190023628	309	-0.161416977985036	0.871872218042791	8.57013414328783e-05	0.932056975318238
CESC	MSH6	cg05039065	0.092029053024588	309	1.61141971392184	0.108125987258635	0.00846934660060243	0.25189569828402
CESC	MSH6	cg07652213	0.0355134399218737	309	0.619588820376026	0.535992618414511	0.00126120441508453	0.712258032812997
CESC	MSH6	cg09898070	-0.0451233511282306	309	-0.787554695471104	0.431570824422038	0.00203611681704159	0.625440028224442
CESC	MSH6	cg11869233	-0.0763215873312508	309	-1.33240816732753	0.183727281543926	0.00582498469276174	0.361991696394189
CESC	MSH6	cg16595246	-0.0477088580785991	309	-0.832780664895125	0.405622204799779	0.00227613513916391	0.601975882794293
CESC	MSH6	cg18222961	-0.0230009262333945	309	-0.401140976608875	0.688598143940109	0.000529042607594054	0.821053338386317
CESC	MSH6	cg19076255	-0.0232908160470491	309	-0.406199442695893	0.684881846907105	0.000542462112137481	0.818665482018785
CESC	MSH6	cg19736286	0.0906835123474204	309	1.58766261231629	0.113402160875381	0.00822349941166475	0.260528253001576
CESC	MSH6	cg21405109	-0.112703538421278	309	-1.97765364353502	0.0488707051910151	0.0127020875726765	0.14186528003395
CESC	MTA1	cg01318265	0.0121693060916208	309	0.212194814625696	0.832097254046319	0.00014809201075156	0.90994854024158
CESC	MTA1	cg01655777	-0.0181624244971748	309	-0.316724935727772	0.751669710807024	0.000329873663615575	0.860945133723816
CESC	MTA1	cg05922925	-0.134067106375718	309	-2.35883483177512	0.018964920017213	0.0179739890119581	0.0698360781889174
CESC	MTA1	cg13052453	-0.0125441964202919	309	-0.218732748322618	0.827005008783717	0.000157356863830863	0.907121482038906
CESC	MTA1	cg13981078	-0.0087066664448667	309	-0.151811670896431	0.879436174677641	7.58060405755502e-05	0.936074237181337
CESC	MTA1	cg16531924	-0.0571488146732355	309	-0.998054781512998	0.319046549016442	0.00326598701855582	0.518458450523007
CESC	MTA1	cg20222911	-0.13284746782653	309	-2.33698866101075	0.0200888848841328	0.0176484497079209	0.0730926855935752
CESC	MTA1	cg21517792	0.00350082040501398	309	0.0610392635016891	0.951368048600889	1.22557435081623e-05	0.974229631438141
CESC	MTA1	cg23123838	-0.0511997890651716	309	-0.893871199893082	0.372097912151497	0.00262141840031807	0.570766325773199
CESC	MTA1	cg23883989	-0.206686854825144	309	-3.68324011735015	0.000272501730792392	0.0427194559575102	0.00225329503032136
CESC	MTA1	cg23966123	-0.0532961896329999	309	-0.930573397947674	0.352812659292288	0.00284048382939669	0.551836822023529
CESC	MTA2	cg00501779	-0.0855958552615468	309	-1.49544645891816	0.13583873684792	0.00732665043795567	0.29495070117831
CESC	MTA2	cg07654871	0.0727452058549982	309	1.27172536672519	0.204442748709039	0.00529186497488606	0.3885760858312
CESC	MTA2	cg09086761	0.0524462240564422	309	0.915691383016082	0.360554567129149	0.00275060641777853	0.559524875229304
CESC	MTA2	cg13708959	-0.0981894973420803	309	-1.72030535470072	0.0863945748310115	0.0096411773882904	0.214590662656568
CESC	MTA2	cg19570317	-0.0771661436571083	309	-1.34946144801488	0.178192898975238	0.00595461372690947	0.3547771417896291
CESC	MTA2	cg21002970	-0.00056794402546493	309	-0.0099024440474257	0.992105617079542	3.22560416061318e-07	0.995792124159238
CESC	MTF2	cg05396182	-0.185992871105344	309	-3.30048639503984	0.00108005030474973	0.0345933481020091	0.00715868053230811
CESC	MTF2	cg05962718	-0.148685764268747	309	-2.61724956609857	0.00930898373240365	0.0221074564961813	0.040329097633778
CESC	MTF2	cg09936581	-0.0576684837071252	309	-1.00716049922068	0.314658624364786	0.00332565401307897	0.513704917500875
CESC	MTF2	cg11404133	0.0352423874344011	309	0.614853972328313	0.53911110331483	0.00124202587207643	0.714599428822647
CESC	MTF2	cg14474880	-0.209104177200829	309	-3.72827551575171	0.000229906492332113	0.0437245569228357	0.00195041937453483
CESC	MTF2	cg15463775	-0.11668960928322	309	-2.0485476502935	0.0413648704244708	0.0136164649146705	0.1254232747193
CESC	MTF2	cg16813892	0.0456104673441217	309	0.796074145164187	0.426610135832199	0.00208031473134919	0.621174357326916
CESC	MTF2	cg19708337	-0.0282805254245404	309	-0.49328511082619	0.62216729667017	0.000799788118288078	0.776177598337972
CESC	MTF2	cg22801127	-0.0447564700632502	309	-0.781138477986567	0.435328928572431	0.00200314161252261	0.628661196758191
CESC	MTF2	cg23992808	-0.00051828849603717	309	-0.0090366699250314	0.992795805967813	2.68622965124474e-07	0.996246124154723
CESC	MTF2	cg26054395	-0.184664586545436	309	-3.27608041706466	0.00117432831179085	0.0341010095239968	0.00767243610375893
CESC	NAP1L2	cg02379437	-0.147495561401252	309	-2.60011113682312	0.00977453073623588	0.0217549406330704	0.0418468903249537
CESC	NAP1L2	cg04297329	-0.225330875438724	309	-4.03248428804547	6.9845699488527e-05	0.0507740034259818	0.000708696536586731
CESC	NAP1L2	cg07693661	-0.206090022430577	309	-3.64789308719919	0.000311684946759885	0.0424730973454356	0.00252259870456081
CESC	NAP1L2	cg20001978	-0.24727825950402	309	-4.44962919387005	1.20850917753404e-05	0.0611465376233377	0.000154654981011817
CESC	NAP1L2	cg23483095	-0.364562775118253	309	-6.8261531384354	4.73824938281345e-11	0.132906017001922	1.98817353013263e-09
CESC	NCOA1	cg11380327	-0.317016764411641	309	-5.82798395536811	1.43013752357405e-08	0.100499628918026	3.78036420349709e-07
CESC	NCOA1	cg13911252	-0.112643050476062	309	-1.97657859320186	0.048992835195447	0.0126884568205526	0.142140248422265

CESC	NCOA1	cg15477048	0.098528704293249	309	1.7263065064305	0.085308256578482	0.00970790556970651	0.212598363411918
CESC	NCOA1	cg23006163	-0.201010573289992	309	-3.57187527042569	0.000412111465745957	0.0404052505743712	0.00318403378529661
CESC	NCOA3	cg04175879	-0.0951085665641147	309	-1.6630837647764	0.0973296358799895	0.00904563943388064	0.233534680915933
CESC	NCOA3	cg09568061	-0.00234963116947956	309	-0.0409673323751156	0.967348831307717	5.52076663258988e-06	0.982850770994717
CESC	NCOA3	cg12128876	-0.0298150331998971	309	-0.520074074597322	0.603390458979411	0.000888936204710967	0.762423983072819
CESC	NCOA3	cg14341558	-0.028917650257835	309	-0.504407405170424	0.614340510415157	0.000836230496434463	0.77065235293456
CESC	NCOA3	cg14774045	-0.0414427309307189	309	-0.723200019174421	0.470113064938595	0.00171749994699596	0.658720428511703
CESC	NCOA3	cg18295930	-0.0310766221717995	309	-0.542101254335937	0.588145886210407	0.000965756445608779	0.751757571461354
CESC	NCOA3	cg21735648	0.142385846979794	309	2.50813690250516	0.012657709998101	0.0202737294201534	0.0512781279796007
CESC	NCOA3	cg22511723	-0.00896447501397959	309	-0.156049947315901	0.876097566401166	8.03618122762644e-05	0.934413650125404
CESC	NCOA3	cg22876277	-0.0670224500177564	309	-1.17120984954137	0.242431618115665	0.00449200880638265	0.434828778447225
CESC	NCOA3	cg24856420	0.05509529769683	309	0.960496970536752	0.337570986389924	0.00303549182830232	0.537022828241513
CESC	NCOA3	cg25373408	0.0766924431366175	309	1.34112833201428	0.180879917035353	0.00588173083426331	0.358068407192433
CESC	NCOR1	cg00253204	0.10155832299261	309	1.77993285530012	0.0760857613803598	0.0103140929690714	0.195901843625584
CESC	NCOR1	cg08125503	-0.0669953966259697	309	-1.17073496262814	0.242622216051705	0.004488383169071	0.435057917101381
CESC	NCOR1	cg08206308	-0.0489265416784872	309	-0.854086274468903	0.393729702274289	0.00239380648061674	0.590476904338019
CESC	NCOR1	cg21211144	0.0474982713228569	309	0.829096443204686	0.407700344426864	0.00225608577865973	0.603827449155532
CESC	NCOR1	cg22291359	-0.137867380765409	309	-2.42697584658754	0.0158062312662767	0.0190074146791143	0.0607524681387712
CESC	NCOR1	cg22625220	-0.117744916157612	309	-2.06733339517722	0.0395488112399423	0.013863865280963	0.121491874174699
CESC	NCOR2	cg08976554	-0.0235060593262239	309	-0.409955421628088	0.682127390461878	0.000552534825047959	0.816742877140789
CESC	NCOR2	cg10641483	0.029748941375421	309	0.518920189414898	0.604193940135205	0.000884999512958237	0.763116967494328
CESC	NCOR2	cg13416396	-0.107287561469974	309	-1.88148241008565	0.0608617188485419	0.0115106208461734	0.166317478270593
CESC	NCOR2	cg13419087	0.00249310616391032	309	0.0434689263884824	0.965356271716123	6.21557834452763e-06	0.981774803840441
CESC	NCOR2	cg13857025	-0.0516818606662641	309	-0.902309878665735	0.367606633756003	0.00267101472192713	0.566546951411821
CESC	NCOR2	cg16181859	0.0683278495482119	309	1.19412753460375	0.233359006698886	0.00466869502388308	0.4241869889743
CESC	NCOR2	cg19895345	-0.175282689526896	309	-3.10421715930063	0.00208740539479277	0.0307240212477824	0.0123095524016456
CESC	NCOR2	cg23611643	-0.0933246304216919	309	-1.63430306631089	0.103230321312987	0.00870948664334538	0.243620301426481
CESC	NCOR2	cg24626542	-0.0467860896874655	309	-0.816637621928548	0.414775023659403	0.00218893818824356	0.610343090974702
CESC	NCOR2	cg25113767	-0.00942711633811031	309	-0.164374693982048	0.869545420950408	8.88705224522664e-05	0.930806292173488
CESC	NCOR2	cg25449924	0.00743969440385091	309	0.129719094273021	0.896874462291539	5.53490528226906e-05	0.945361388535959
CESC	ORC1	cg00298020	-0.151231905803642	309	-2.66749912331946	0.00805134712756507	0.0228710893330015	0.036110842370384
CESC	ORC1	cg02275620	0.0550172763349121	309	0.960714085779579	0.337459439942955	0.00302690069531208	0.536983113990077
CESC	ORC1	cg04407474	0.0492329435050172	309	0.859447934171987	0.390770643765543	0.00242388272616821	0.588022969188298
CESC	ORC1	cg07142859	-0.0341679522625577	309	-0.596086656067632	0.551560903385287	0.00116744896181642	0.723960390253131
CESC	ORC1	cg08613513	0.0994836341135315	309	1.74320412016935	0.0823089893196259	0.00989699345643501	0.20716790200372
CESC	ORC1	cg10586599	0.145949412230569	309	2.57225855963277	0.0105784064881547	0.0213012309304487	0.0445326102402046
CESC	ORC1	cg13460942	-0.0314626735767769	309	-0.548842175106359	0.583516633715462	0.000989899828598815	0.748484583222211
CESC	ORC1	cg16136434	0.0545972921448274	309	0.953358292525768	0.341165982436139	0.00298086430954764	0.540438966050104
CESC	ORC1	cg16965475	0.0380187109871468	309	0.663358466580271	0.507603706874313	0.0014454223851242	0.690315259663774
CESC	ORC1	cg17146111	-0.11928530201774	309	-2.0947669043159	0.037019174509214	0.0142289832774634	0.115620890810316
CESC	ORC1	cg19776520	-0.0360684451736934	309	-0.629284291732945	0.529635556437816	0.00130093273724773	0.707751622878993
CESC	ORC1	cg21197365	-0.058065479807863	309	-1.01411727669531	0.311333237148185	0.00337159994531735	0.510197697047293
CESC	ORC1	cg23606758	0.122396120290316	309	2.15021604328157	0.032326606312073	0.0149808102621214	0.104357872497361
CESC	ORC1	cg25605769	0.127703978988385	309	2.24497608447268	0.0254884226042489	0.0163083062494658	0.0874545027603476
CESC	PADI1	cg14524955	-0.377895159265432	309	-7.11652932048899	7.99388643267399e-12	0.142804751396246	3.87220673190187e-10
CESC	PADI1	cg21010178	-0.209043014353175	309	-3.72713515759693	0.000230902856650553	0.0436989818498619	0.00195759119771939
CESC	PADI1	cg22193702	-0.436901763585988	309	-8.46866526381532	1.07559697276869e-15	0.190883151024547	9.13482433401391e-14
CESC	PADI2	cg00569276	-0.239473683728643	309	-4.30049857658402	2.29880829635483e-05	0.0573476451985662	0.000270508988967823
CESC	PADI2	cg01603374	-0.169769555603793	309	-3.00363474255376	0.00288949110593387	0.0288217020099095	0.0159750601304115
CESC	PADI2	cg07014827	-0.131582488886339	309	-2.30289400633349	0.0219665823964493	0.0173139513815235	0.0781628595308901
CESC	PADI2	cg09313801	-0.0982250721554433	309	-1.72093470560104	0.0862801264041163	0.00964816479994203	0.214370333887115
CESC	PADI2	cg10233913	-0.271771045748387	309	-4.92381287360861	1.39494401835569e-06	0.0738595013071718	2.29474043061879e-05
CESC	PADI2	cg15185794	-0.129464042016867	309	-2.2764409638564	0.0235146843275633	0.016760938175345	0.0823193840598712
CESC	PADI2	cg17183414	-0.111671432731303	309	-1.95931310318839	0.0509897969749184	0.0124705088882618	0.14637270353752
CESC	PADI2	cg18228326	-0.108812540747974	309	-1.90854386081605	0.0572626042360601	0.0118401690240296	0.159124380565817
CESC	PADI2	cg18879300	0.109205781308116	309	1.9155242967944	0.0563636357431807	0.0119259026711161	0.157390885494993
CESC	PADI2	cg19282714	-0.100307765089215	309	-1.75779113947464	0.0797894625997763	0.0100616477371931	0.202668934387534

CESC	PADI3	cg01459162	-0.21728316195949	309	-3.88118834700107	0.000127510201022889	0.047211972471114	0.00118654648066682
CESC	PADI3	cg12858514	-0.417685453164533	309	-8.01525568492672	2.38190486342714e-14	0.174461137785261	1.70310576236628e-12
CESC	PADI3	cg14664242	-0.0961835567283805	309	-1.68482913400522	0.093047799826019	0.00925127658492159	0.226183812132154
CESC	PADI3	cg17589397	-0.0997736418892301	309	-1.74833680818313	0.0814151587327653	0.00995477961584033	0.205529947379827
CESC	PADI3	cg18768338	-0.232131740482847	309	-4.16101602881369	4.12842838196108e-05	0.0538851449395958	0.000450318224265676
CESC	PADI3	cg21966975	-0.134978454157052	309	-2.37516601644686	0.018161166439231	0.0182191830866273	0.0675865758693809
CESC	PADI4	cg16091981	-0.17176692021109	309	-3.04004083838017	0.00257119388240403	0.0295038748788029	0.0145524523017635
CESC	PADI4	cg18333690	-0.189460212659852	309	-3.36428425781808	0.000865799971374429	0.0358951721811164	0.00595263305109168
CESC	PADI4	cg19159961	-0.109131220730207	309	-1.91420069782962	0.0565331811487427	0.0119096233380651	0.157660594883861
CESC	PADI4	cg21295838	-0.166011722527977	309	-2.93524337279443	0.00358698240871737	0.0275598920167061	0.019002091215782
CESC	PADI4	cg23228178	-0.036519493490624	309	-0.6371641525809	0.524497465658287	0.00133367340481173	0.703653505844772
CESC	PADI4	cg26918754	-0.17312213126149	309	-3.06476432494219	0.00237376363883075	0.0299712723325207	0.0136525631021144
CESC	PADI6	cg12643633	-0.00118346848639072	309	-0.0206344925904847	0.98355076192551	1.40059765827993e-06	0.991421409567287
CESC	PADI6	cg16017904	-0.0238315936476683	309	-0.415636079444726	0.677969550408703	0.000567944855787585	0.814007118122246
CESC	PARP1	cg00653565	-0.0171058068339444	309	-0.298293578177754	0.765682882784287	0.000292608627440219	0.870077753440124
CESC	PARP1	cg02088626	-0.0332096246231104	309	-0.579349154931584	0.562782660815024	0.0011028791676079	0.732885505297197
CESC	PARP1	cg03149313	0.027636371943268	309	0.482040728925863	0.63012387315332	0.000763769054186653	0.781741086787378
CESC	PARP1	cg04960271	0.108866557981153	309	1.90950267005284	0.0571384194168364	0.0118519274466638	0.158875766677867
CESC	PARP1	cg07113065	-0.0966435256849972	309	-1.69017533319851	0.0920228813034529	0.00933997105682671	0.224365437932767
CESC	PARP1	cg17661881	-0.0315107281032655	309	-0.549681281947544	0.582941582604384	0.000992925985597926	0.748018300351755
CESC	PARP1	cg25722198	0.0094554459260002	309	0.164868703275867	0.86915690023802	8.94054576595138e-05	0.930580358895956
CESC	PARP1	cg26464410	0.0657089459157327	309	1.14815597781815	0.251806851900822	0.00431766557335669	0.445600924382351
CESC	PARP2	cg01813761	-0.116406604662607	309	-2.02324429726546	0.0439404484665121	0.0135504976090765	0.131248579876001
CESC	PARP2	cg10910545	-0.158998964016669	309	-2.80334029505323	0.00538385833656162	0.0252806705583739	0.0263151467350135
CESC	PARP2	cg15078479	-0.163895871406179	309	-2.89679363589797	0.00404364023049081	0.0268618566639908	0.0209170123073876
CESC	PARP2	cg15365367	-0.0501192574870534	309	-0.874958726919603	0.382287101493046	0.00251193997105356	0.580691159155214
CESC	PARP2	cg18899035	0.0173939769206808	253	0.273962069274174	0.784341815217341	0.000302550433117177	0.88100871674462
CESC	PARP2	cg19540080	-0.0471015416368752	309	-0.822155945897064	0.411632514405942	0.00221855522457029	0.607327172524434
CESC	PARP2	cg24595957	0.0577203081138492	309	1.00806861906314	0.314223210144031	0.00333163396875768	0.513306463608096
CESC	PARP2	cg26206608	-0.0433002304430199	309	-0.755674057702967	0.450429756408425	0.00187490995641863	0.64125489477412
CESC	PARP2	cg26430074	0.0541285101251999	309	0.945148431186324	0.345333696233402	0.00292989560837386	0.544551213458898
CESC	PAXIP1	cg02824291	0.127961586096557	309	2.2495800061762	0.0251909175269539	0.0163741675163467	0.0867048154186289
CESC	PAXIP1	cg12220104	0.0621706731256648	309	1.08608371915386	0.278302403932628	0.00386519259689825	0.475192757216366
CESC	PAXIP1	cg22583711	-0.0399607975756297	309	-0.697297280711756	0.486149682052746	0.00159686534288045	0.672670052569434
CESC	PAXIP1	cg24448952	0.0123624421864254	309	0.215563017618874	0.82947293989133	0.000152829976812711	0.908397520741974
CESC	PAXIP1	cg24452135	0.0519344358517285	309	0.906731467462093	0.365266958718033	0.0026971856272373	0.564241145805839
CESC	PCGF1	cg03203239	0.166346323227187	309	2.9413276162019	0.00351920333767363	0.0276710992512037	0.0187207948886066
CESC	PCGF1	cg08092637	0.117482748040383	309	2.06266582365553	0.0399935656080637	0.0138021960871202	0.122456781316712
CESC	PCGF1	cg27306986	0.154552737973769	309	2.72749112575258	0.00675273333546565	0.0238865488151885	0.0314809215017208
CESC	PCGF2	cg09395368	-0.0221874927138452	309	-0.386947410096051	0.699065872709464	0.000492284832926933	0.827371527484558
CESC	PCGF2	cg17902383	0.0764038176995923	309	1.33605141778872	0.182531725811761	0.00583754335907254	0.360329706602724
CESC	PCGF2	cg20228512	-0.073648577569494	309	-1.28760362983304	0.198863329251708	0.00542411297800977	0.381560582952457
CESC	PCGF2	cg25377665	0.00882757521178888	309	0.153920030368226	0.877774918126125	7.79260841197895e-05	0.935124850810071
CESC	PCGF5	cg03905463	0.0138415012263761	309	0.241357941939038	0.809440419292909	0.000191587156199772	0.897002962656305
CESC	PCGF5	cg06001881	-0.164935612810593	309	-2.91568288625753	0.00381305284884188	0.0272037563732058	0.0199833355782003
CESC	PCGF5	cg07421809	-0.1636443456167	309	-2.89222559495211	0.00410128110336339	0.0267794718523181	0.021164514902491
CESC	PCGF5	cg07424295	-0.0326609648754305	309	-0.569767358674738	0.569256291425984	0.00106673862659411	0.73752762155225
CESC	PCGF5	cg08633154	-0.00523764524902352	309	-0.0913227180037913	0.927296312246614	2.74329277546186e-05	0.961597586143684
CESC	PCGF5	cg11113644	-0.0338758730432038	309	-0.590985226088395	0.554969453151043	0.00114757477443926	0.726554031140525
CESC	PCGF5	cg12783297	-0.145878035585247	309	-2.57097323619113	0.0106168904066094	0.0212804012662106	0.0446666146931897
CESC	PCGF5	cg15550435	0.0304691076050235	307	0.529742591660791	0.596679632227146	0.000928366518246503	0.757747482932492
CESC	PCGF5	cg17001035	-0.0414682840299015	309	-0.723646703668274	0.469839118373335	0.00171961858038459	0.65854679785837
CESC	PCGF5	cg20515900	-0.0818321034527708	309	-1.43159285462808	0.153287647731808	0.00669649315550498	0.320465971558095
CESC	PCGF5	cg22968329	-0.0686436132131085	309	-1.19967202446305	0.231200884094397	0.00471194563495084	0.421706437839524
CESC	PCGF5	cg23395902	-0.147090182445512	309	-2.59280670031575	0.00997987784635057	0.0216355217718541	0.0425573982995667
CESC	PCGF5	cg25390656	-0.0245546040349884	309	-0.428253272883236	0.668769987896115	0.000602928579315067	0.807897171757882
CESC	PCGF6	cg01917164	-0.172956412427127	309	-3.0617401110296	0.00239714156252669	0.0299139205996623	0.0137595536571387

CESC	PCGF6	cg06691148	-0.0375809998985108	309	-0.655710326818626	0.51250645101936	0.00141233155337187	0.69436192274531
CESC	PCGF6	cg11612727	-0.0278142222813635	309	-0.485145234466843	0.627922745490246	0.000773630961117097	0.780167410324824
CESC	PCGF6	cg11814370	-0.0643914167340013	309	-1.12503748203857	0.261460618457645	0.00414625454901182	0.456799210204584
CESC	PCGF6	cg14409890	-0.326975129794175	309	-6.03260048221868	4.68123743542857e-09	0.106912735503917	1.36394076798401e-07
CESC	PCGF6	cg16113748	-0.0453744810045845	309	-0.791946776554602	0.42900922784974	0.0020588435264354	0.623078983567098
CESC	PCGF6	cg16382383	0.0461306550771056	309	0.805172629699402	0.421349361250133	0.00212803733784289	0.61648396105121
CESC	PCGF6	cg24418712	-0.0664367482211073	309	-1.1609291986881	0.246581487705366	0.0044138415141948	0.439785415529169
CESC	PCGF6	cg25481680	0.0373701426121491	309	0.652026145915211	0.514876972168831	0.00139652755885236	0.696379206038145
CESC	PCGF6	cg26155979	-0.00429663547651127	309	-0.0749150908671777	0.940331542369196	1.84610764180153e-05	0.968279525875538
CESC	PCGF6	cg27217148	-0.0188059254281666	309	-0.327950511005976	0.743174832250638	0.000353662831209763	0.855605325839317
CESC	PHC1	cg02770112	-0.10850589509499	309	-1.90310120545247	0.0579718180422415	0.011773529270365	0.160544644646974
CESC	PHC1	cg08021945	-0.136348188969775	309	-2.39972297546057	0.0170089915241183	0.0185908286353375	0.0642703267256295
CESC	PHC1	cg08867249	0.0601516002455171	309	1.05068150533719	0.294239390406572	0.00361821501209649	0.491994822940115
CESC	PHC1	cg09059548	-0.146624469180632	309	-2.58441676090003	0.0102204996724313	0.0214987349625021	0.0433317102576229
CESC	PHC1	cg09912793	-0.379150190219612	309	-7.14412446098546	6.73238555121893e-12	0.143754866743568	3.3022648270588e-10
CESC	PHC1	cg12581035	0.0508404057608841	309	0.887580591604798	0.375468074602379	0.00258474685793133	0.574040037493458
CESC	PHC1	cg14199415	0.104787970532618	309	1.83715499535803	0.0671630210774712	0.0109805187683448	0.178875045478679
CESC	PHC2	cg06899053	-0.0432912425459249	309	-0.755516906695248	0.450523866075115	0.0018741316811701	0.641311519729548
CESC	PHC2	cg13640100	0.138777995370008	309	2.44331977225732	0.0151215408029985	0.0192593319989179	0.0587339575139054
CESC	PHC2	cg15586632	-0.0269714653867656	309	-0.470434710255177	0.638381803254713	0.000727459945109497	0.787327774028523
CESC	PHC2	cg16558908	-0.0270098767123033	309	-0.471105167105104	0.637903516988813	0.000729533440013823	0.787012389194
CESC	PHC2	cg17161743	0.106246308852908	309	1.86301263911246	0.0634247658519794	0.0112882781448675	0.171399111914715
CESC	PHC2	cg19746874	0.0108142494442397	309	0.188563908318245	0.850560437710477	0.000116947991042238	0.920323500163412
CESC	PHC2	cg21198021	-0.0462417876077484	309	-0.807116508192164	0.420230383005751	0.00213830292116011	0.615483430585511
CESC	PHC2	cg21578869	0.0399843794686269	309	0.697709432479972	0.485892208409114	0.00159875060149115	0.672445357948101
CESC	PHC2	cg23886755	-0.120827904440488	309	-2.12225526751874	0.0346246503788529	0.0145993824914797	0.1099554268518
CESC	PHF1	cg01097444	-0.0966898871112482	309	-1.69378190710159	0.0913309981187247	0.00934893426958593	0.223178236251704
CESC	PHF1	cg02776641	-0.0734058015523473	309	-1.28333612533871	0.200351766211989	0.00538841170154259	0.383348056980065
CESC	PHF1	cg03560363	-0.0122290566172259	309	-0.213236833239106	0.831285169399541	0.000149549825747317	0.909618208816201
CESC	PHF1	cg03876174	-0.093250910187815	309	-1.63300074678779	0.103504103352472	0.00869573225085593	0.244066509539032
CESC	PHF1	cg06618123	0.0380953379389359	309	0.66469741094878	0.506747945538893	0.00145125477268173	0.68964102085707
CESC	PHF1	cg06919790	-0.121065014739768	309	-2.12648182634792	0.0342685266174899	0.0146567377939402	0.109043102081193
CESC	PHF1	cg07857404	-0.114485540581597	304	-1.99274251075422	0.0471984439848629	0.0131069390022604	0.13834768388704
CESC	PHF1	cg08665801	-0.0734720583430337	309	-1.28450076104751	0.199944751490288	0.00539814335716214	0.382874977965966
CESC	PHF1	cg08798692	-0.0755560980429296	307	-1.31678896533014	0.188907724780713	0.00570872395147279	0.368678103090068
CESC	PHF1	cg10033570	0.0230042909070721	308	0.400539276833887	0.689041627342871	0.000529197400137201	0.821210939867652
CESC	PHF1	cg10797813	-0.0183050688869152	308	-0.318687812198274	0.750182822686476	0.000335075546954711	0.86005692563356
CESC	PHF1	cg13303256	0.120903856770792	309	2.12360909934064	0.0345102342046764	0.0146177425820522	0.109650758034578
CESC	PHF1	cg13528777	-0.0693128441541325	309	-1.21142424095243	0.226673680394101	0.00480427036473506	0.416204091293112
CESC	PHF1	cg13547657	-0.101225701990119	309	-1.77404281629805	0.0770569698008669	0.0102466427433925	0.197685417867777
CESC	PHF1	cg18443095	-0.0730563811275986	309	-1.27719443332598	0.202508210742915	0.00533723482346094	0.386150760378196
CESC	PHF1	cg20135607	-0.0616882553995814	309	-1.07762385649045	0.282056014764318	0.00380544085424398	0.479172467081049
CESC	PHF1	cg20872639	-0.0095165545634255	309	-0.165934312605592	0.868318944666915	9.05648107586547e-05	0.930066028382407
CESC	PHF1	cg23345642	0.0373840124514595	309	0.652268482482448	0.514720869277388	0.00139756438697088	0.696240702889225
CESC	PHF1	cg23718418	-0.0692717962224443	309	-1.21070336016183	0.226949536444705	0.00479858175188385	0.416516755642619
CESC	PHF1	cg24796663	-0.113008789432942	309	-1.98307920011304	0.0482582523915067	0.012770986489099	0.140554192682324
CESC	PHF1	cg26673053	-0.059495438399095	309	-1.0391792398869	0.299547185668812	0.00353970719030051	0.49783362409725
CESC	PHF10	cg04353997	-0.127469122755829	309	-2.24077916606629	0.0257622842041319	0.0162483772561406	0.0881100473655251
CESC	PHF10	cg05243705	0.0949028008083737	309	1.66218909079564	0.0975055939769308	0.00900654160127385	0.233780855874771
CESC	PHF10	cg05736120	0.0917741696878935	309	1.60691876979838	0.10911031541593	0.00842249822190227	0.25346013137674
CESC	PHF10	cg07652237	-0.188539190033718	308	-3.34181514574423	0.000936634207445029	0.0355470261785703	0.00635760592740412
CESC	PHF10	cg11442717	-0.0720164489186274	309	-1.25891854431578	0.209025606991843	0.00518636891484927	0.39431927034103
CESC	PHF10	cg15342139	0.0555285788960746	309	0.96966996108382	0.332981870361489	0.00308342307421758	0.53262036851859
CESC	PHF10	cg15360169	-0.254227583653069	309	-4.58319282619982	6.69475976720008e-06	0.0646316642900782	9.18377960376587e-05
CESC	PHF10	cg16740543	0.0128785661480852	309	0.224564097097129	0.822469258872197	0.000165857466030605	0.904585595761027
CESC	PHF10	cg27124293	-0.00093845554679659	309	-0.016362538771202	0.98695589884134	8.8069881331329e-07	0.993148441205393
CESC	PHF11	cg00092518	-0.281239052830131	309	-5.10981407704842	5.70821659626723e-07	0.079095404836789	1.04045220686507e-05

CESC	PHF11	cg01214340	-0.269631713056506	309	-4.88200171969475	1.69916836895018e-06	0.0727012606857859	2.73505284697104e-05
CESC	PHF11	cg02289189	-0.0813748264574797	309	-1.42353965068663	0.155605279787713	0.00662186238098494	0.323684612433963
CESC	PHF11	cg05080330	-0.0788898076071081	309	-1.37979113272766	0.168664938394979	0.00622360174428653	0.341857748219878
CESC	PHF11	cg09997676	-0.318388798778856	309	-5.85604574496076	1.22913147035866e-08	0.101371427187843	3.29493637508895e-07
CESC	PHF11	cg16956501	-0.225247197204436	309	-4.03090674243229	7.02921244983995e-05	0.0507362998484543	0.000712111672513152
CESC	PHF11	cg21320768	-0.36432403083885	309	-6.82099841775671	4.88805983471812e-11	0.132731999446668	2.04882395895507e-09
CESC	PHF11	cg23137039	-0.0529681770842597	309	-0.924830000166378	0.355787874326819	0.00280562778362949	0.554583671863841
CESC	PHF11	cg24481868	-0.229816700423349	309	-4.11719214015745	4.9464005390488e-05	0.0528157157934751	0.000524823081744084
CESC	PHF11	cg24984523	-0.204853976135591	309	-3.64914009057645	0.000309587030859343	0.0419651515385612	0.00250953563391391
CESC	PHF11	cg25162948	-0.295156672071357	309	-5.38619344043991	1.44337168476196e-07	0.0871174610682386	3.02141601015382e-06
CESC	PHF12	cg01406758	0.0462877904833899	309	0.807921177863072	0.419767695172617	0.0021425595478342	0.61510914425837
CESC	PHF12	cg02058367	-0.0571984320568611	309	-0.998924149386947	0.318625882423406	0.00327166062976336	0.517942660368314
CESC	PHF12	cg06895197	-0.0429216779558966	309	-0.749055326105934	0.454403052347788	0.0018422704385497	0.644681689025656
CESC	PHF12	cg08657247	0.0534071823056946	309	0.93251691345882	0.351809464810098	0.0028523271218337	0.550686045468613
CESC	PHF12	cg08806622	-0.139866157016385	309	-2.46285864544322	0.0143375529973989	0.019562541878532	0.0563741931353147
CESC	PHF12	cg13564075	-0.160769445599529	309	-2.84005452827633	0.0048148347803284	0.0258468146383801	0.0240600387398603
CESC	PHF14	cg06715026	-0.0994472027054862	309	-1.74255937247874	0.0824218318924203	0.00988974612594606	0.207376750572871
CESC	PHF14	cg07287563	-0.209454583065022	309	-3.73480958297649	0.000224275220501487	0.0438712223669423	0.00191048511994832
CESC	PHF14	cg07574654	-0.022983585329838	309	-0.400838387713181	0.688820687282843	0.000528245194613944	0.821151757574765
CESC	PHF14	cg11931558	-0.136543375109438	309	-2.40322346087659	0.0168501157661639	0.0186440932862768	0.0638001511687413
CESC	PHF14	cg13029706	-0.3133099358285	309	-5.75237198734343	2.14506764317688e-08	0.0981631158888586	5.49106259450405e-07
CESC	PHF14	cg16800461	-0.226214831535196	309	-4.0491548389938	6.52899916089827e-05	0.0511731500064973	0.000670075146072454
CESC	PHF14	cg20819769	0.212794745821257	309	3.79717005058142	0.000176698184554181	0.0452816038491335	0.00156471924521434
CESC	PHF14	cg20964328	0.0637951442424953	309	1.11457672328626	0.265912228607061	0.00406982042892077	0.461728849432117
CESC	PHF14	cg22876561	-0.194703739891636	309	-3.46101222001518	0.000615209596588129	0.0379095463277899	0.0044695195514547
CESC	PHF14	cg23083824	-0.0791770002649621	309	-1.38484579306862	0.1671150965387	0.00626899737095781	0.339830400986293
CESC	PHF14	cg24491907	0.0543214686148289	309	0.948527670684961	0.343614300202261	0.00295082195247184	0.542962521732505
CESC	PHF19	cg11054680	-0.0015936929772291	281	-0.0264764498528561	0.978896450399168	2.53985730566936e-06	0.989094294612233
CESC	PHF19	cg11594303	0.0320428060718052	309	0.558972447916895	0.576592050230419	0.00102674142095532	0.743240502451372
CESC	PHF19	cg13501527	-0.0378510854355316	309	-0.660429495052381	0.509478359263468	0.00143270466864792	0.691940633389354
CESC	PHF19	cg13793166	-0.00577580389434766	190	-0.0789842478171292	0.937129608559885	3.33599106259616e-05	0.966414845035019
CESC	PHF19	cg13851767	-0.034711397161987	309	-0.605578824870019	0.545246301515503	0.0012048810929372	0.719190564005349
CESC	PHF19	cg13852822	0.0178443548125548	309	0.311176503873481	0.755879715801724	0.000318420998676349	0.863833978891164
CESC	PHF19	cg14218513	-0.147891680496908	309	-2.60725001581259	0.00957750263115448	0.0218719491601996	0.0411778622575457
CESC	PHF19	cg27207079	-0.0589897538068978	309	-1.03031570610692	0.303680846969331	0.00347979105419841	0.50216915313279
CESC	PHF20	cg01512265	0.00343746462699461	309	0.0599345978237975	0.9522471048633	1.18161630618392e-05	0.974840590013759
CESC	PHF20	cg02674305	-0.0519039173875823	309	-0.900215636014797	0.368727558194505	0.00269401664017697	0.567505981969911
CESC	PHF20	cg02957488	-0.0486255650700862	309	-0.848819784824904	0.39664947110602	0.00236444557838519	0.593254550885773
CESC	PHF20	cg04179482	0.132733679716391	309	2.33495104073945	0.0201966387769161	0.0176182297310534	0.0733737499374822
CESC	PHF20	cg09692677	-0.127299552348193	302	-2.2118355522153	0.0277390945234414	0.0162051760280504	0.0931388976372135
CESC	PHF20	cg10372813	-0.110588528771154	309	-1.94007677773809	0.0532949472031654	0.0122298226957684	0.151129905333686
CESC	PHF20	cg21765224	-0.213440525145256	309	-3.80924267986017	0.000168665559255023	0.0455568577742828	0.00150472116017032
CESC	PHF20	cg23538717	0.00571875589137788	308	0.0995474122138452	0.920769474266873	3.27041689451692e-05	0.958432108341479
CESC	PHF20	cg23734815	-0.123604454506127	309	-2.17177138807755	0.030645817701041	0.01527806111737571	0.100259083318676
CESC	PHF20	cg25561939	0.00662512972741341	309	0.115515619032026	0.90811270618694	4.38923439050568e-05	0.951298360516742
CESC	PHF20	cg27405321	-0.0276554522055215	295	-0.471135583103853	0.637898126797429	0.000764824036691884	0.787012389194
CESC	PHF20L1	cg02898212	0.0738146655567307	309	1.29052324857795	0.19784970307918	0.00544860485125201	0.380291053327941
CESC	PHF20L1	cg05307234	-0.105976623520272	309	-1.8582299656329	0.0641028746612436	0.0112310447327575	0.172793452231351
CESC	PHF20L1	cg10591701	-0.162143617026613	309	-2.8649823892287	0.00446088241967165	0.026290552542473	0.0226417359532809
CESC	PHF20L1	cg17646969	-0.193601337426539	309	-3.44065079932714	0.000661516312015777	0.0374814778533446	0.00475487387757141
CESC	PHF20L1	cg24511731	-0.152764477852736	309	-2.69517395415254	0.00742666998560747	0.0233369856936192	0.0339234551617842
CESC	PHF20L1	cg26292018	0.141815671239816	309	2.49788665172337	0.0130218631723731	0.0201116846091996	0.0523905059801195
CESC	PHF20L1	cg27342122	-0.0455856890049058	309	-0.795640769157266	0.426861671863779	0.00207805504205199	0.621300645505366
CESC	PHF21B	cg01775414	-0.0559289397176923	309	-0.976683136467548	0.329502604565684	0.00312804629794525	0.529154981618901
CESC	PHF21B	cg01995480	-0.0486733822232415	309	-0.849656473998254	0.396184730926092	0.00236909813704976	0.592855809292023
CESC	PHF21B	cg05064352	-0.125241771099243	309	-2.20099497597641	0.0284878761709011	0.0156855012280752	0.0949929635164628
CESC	PHF21B	cg10080155	-0.0356817056190439	309	-0.622528218445999	0.534061262526005	0.00127318411588411	0.710978880432405

CESC	PHF21B	cg11428482	-0.0280310570367355	309	-0.488930303449375	0.625243585519004	0.000785740158596716	0.778174506186395
CESC	PHF21B	cg14786713	-0.0508566462379238	309	-0.887864855763136	0.375315373905827	0.00258639846656932	0.573970083894512
CESC	PHF21B	cg15679813	-0.0239395815420719	309	-0.417520525167387	0.676592435640607	0.000573103564409511	0.813169446579924
CESC	PHF21B	cg20495645	-0.019944710966529	309	-0.347817104469098	0.72821824929825	0.000397791495538383	0.846333275855029
CESC	PHF21B	cg20525183	-0.0328822683769451	309	-0.57363214146487	0.566640879655611	0.00108124357361345	0.735619461182975
CESC	PHF21B	cg21715212	-0.053146800239382	309	-0.927957598749263	0.354165738016816	0.00282458237568477	0.553174642585986
CESC	PHF21B	cg23080354	-0.0375684569982015	309	-0.65549116991448	0.512647303540058	0.00141138896122572	0.694498542971497
CESC	PHF21B	cg25561581	-0.0319280696892525	309	-0.556968876828432	0.577958504864866	0.00101940163408176	0.74434977695943
CESC	PHF21B	cg25976257	-0.0258561056841294	309	-0.450967376664929	0.652334559056847	0.000668538201148867	0.79690511592576
CESC	PHF23	cg00039960	0.143819458984973	309	2.52974967096799	0.011921116539487	0.0206840367827304	0.0488968566475598
CESC	PHF23	cg01441172	0.0542414567597206	309	0.947126427789867	0.344326600876632	0.00294213563141664	0.543591200531621
CESC	PHF23	cg04379155	0.00958916876413205	309	0.167200557784375	0.867323409836801	9.19521575870059e-05	0.929476489762565
CESC	PHF23	cg11180288	0.0536366780761415	309	0.93653556432171	0.349740901156802	0.00287689323504364	0.548814220006338
CESC	PHF23	cg13351208	0.0134437123996904	309	0.234420319853422	0.814816488118811	0.00018073340308559	0.900395367566971
CESC	PHF23	cg22033559	-0.17650715670859	309	-3.12659702012496	0.00193947540653177	0.0311547763693506	0.011595415752823
CESC	PHF23	cg26213471	-0.0606464042554696	309	-1.05935613307086	0.290278591607355	0.00367798634911784	0.48783294588769
CESC	PHF23	cg26784276	0.120852084343984	309	2.12268626431456	0.0345881903356323	0.0146052262902855	0.109862554261399
CESC	PHIP	cg01492710	0.0966989409719506	309	1.69394200665086	0.0913005315927994	0.00935068518509679	0.223135734181466
CESC	PHIP	cg04480383	-0.203979368964573	309	-3.63288249820023	0.000328893937097786	0.0416075829631856	0.00263854542049966
CESC	PHIP	cg05801338	-0.117490365049275	309	-2.06280142868545	0.0399805844524176	0.013803985879412	0.122443265180379
CESC	PHIP	cg06848288	-0.114266170759261	309	-2.00543401392218	0.0458026904251057	0.0130567577799845	0.135332693947004
CESC	PHIP	cg08287994	-0.278979660933344	309	-5.06528349352256	7.0864019617589e-07	0.0778296512144837	1.25834182655346e-05
CESC	PHIP	cg08587415	-0.237997972038027	309	-4.2653683489975	2.67041344368885e-05	0.0566430346942133	0.000307857355421355
CESC	PHIP	cg15564972	-0.112286992913519	309	-1.97025084411528	0.0497169211852045	0.0126083687775606	0.143699727537871
CESC	PHIP	cg19494004	-0.155870658374588	309	-2.75132594577408	0.00629162701845588	0.0242956621421276	0.0297791939811242
CESC	PHIP	cg19950079	-0.0565648345883495	309	-0.987823166900391	0.32402482397402	0.00319958051200734	0.523405048925144
CESC	PHIP	cg21607066	0.0856669917781165	309	1.49916623556971	0.134868234673096	0.00733883348031188	0.293538299755445
CESC	PHIP	cg21875336	-0.145503531330361	309	-2.56422997797785	0.0108208480322978	0.0211712776296054	0.0453432292930017
CESC	PHIP	cg26363168	-0.181247726320292	309	-3.2133838505009	0.00145267243793385	0.0328507382962754	0.00915959966561548
CESC	PHRF1	cg06063517	-0.090235455030282	309	-1.57975358634424	0.115203203775667	0.00814243734452205	0.263204641248877
CESC	PHRF1	cg07530960	-0.264263908076432	309	-4.77743543385388	2.76693865670521e-06	0.069835413111829	4.21647846933839e-05
CESC	PHRF1	cg08482978	-0.110923273543588	309	-1.94602231589076	0.0525733115633028	0.0123039726136256	0.149653781688155
CESC	PHRF1	cg12469954	-0.274023193341287	309	-4.96791406316883	1.13126609421736e-06	0.0750887104889566	1.90901766884045e-05
CESC	PHRF1	cg12813709	-0.127850749790299	309	-2.24759909703202	0.0253185514696076	0.0163458142219417	0.0870324507545693
CESC	PHRF1	cg15219216	0.0372673376040004	309	0.65022992829689	0.516034789158444	0.00138885445209054	0.69715732747151
CESC	PHRF1	cg16143007	-0.140751451799408	309	-2.47876158138947	0.0137262760750326	0.0198109711836411	0.054530789550663
CESC	PHRF1	cg18793109	-0.177960955510714	309	-3.15318789030548	0.00177630708029821	0.0316701016862864	0.0107949404737691
CESC	PHRF1	cg20152424	0.124232490495857	309	2.18297872294107	0.0298021110273274	0.0154337116948033	0.09819259777408795
CESC	PHRF1	cg21006161	-0.0512967212836448	309	-0.895567950961884	0.371192123117178	0.00263135361445193	0.569871329842472
CESC	PPARGC	cg04893087	0.015979142555979	309	0.27864144587252	0.78070944482568	0.0002553329968243	0.87889831918685
CESC	PPARGC	cg05158538	-0.131945640429778	309	-2.30552282374339	0.021819346758655	0.0174096520284243	0.0778048840538839
CESC	PPARGC	cg11270806	-0.0891480578820009	309	-1.56056306217333	0.119667268999335	0.00794737622413259	0.270222948448396
CESC	PPARGC	cg12691631	-0.190285347568096	309	-3.37948557311514	0.000820956318780763	0.0362085134991113	0.00569058860048389
CESC	PPARGC	cg20723350	-0.111720968560906	309	-1.96019320876161	0.0508863702007519	0.012481574816187	0.146145183277652
CESC	PPARGC	cg27461259	-0.0421917989250118	309	-0.736294799778686	0.462119083929717	0.00178014789652863	0.651611325353614
CESC	PPARGC	cg27514608	-0.129305376151703	309	-2.27360358056831	0.0236870302760743	0.0167198803017335	0.0827960475061522
CESC	PRDM1	cg00555933	0.00298637395689898	307	0.0518978776325214	0.958644375752979	8.91842941044444e-06	0.978274245632826
CESC	PRDM1	cg01761420	-0.00240280460748692	308	-0.0418254886931075	0.966665362953547	5.77346998176037e-06	0.98245233097507
CESC	PRDM1	cg05170275	-0.012206515159629	309	-0.212843721477327	0.83159151509807	0.000148999012342254	0.909713206794132
CESC	PRDM1	cg08742502	-0.0340957276010651	309	-0.594825172296473	0.552402808016949	0.00116251864064604	0.724676045918766
CESC	PRDM1	cg14359052	-0.0114257905117672	309	-0.199228469695641	0.842217216352413	0.000130548688818789	0.915566814810392
CESC	PRDM1	cg17143179	-0.0749781733765959	309	-1.31097930000525	0.190854178108402	0.00562172648289087	0.371186814425636
CESC	PRDM1	cg17521665	0.00666979527923861	309	0.116294441161078	0.907495977000096	4.44861690669537e-05	0.950952222346011
CESC	PRDM1	cg17965230	-0.0485652128293926	309	-0.847763769070369	0.397236508310946	0.0023585798971642	0.593824306832086
CESC	PRDM1	cg19464016	0.0427417495149848	309	0.74590951374863	0.456298455508974	0.0018268571516017	0.646568952257065
CESC	PRDM1	cg22186515	-0.0300369596069257	309	-0.523948697546882	0.600695995023654	0.000902218942428088	0.760712098923492
CESC	PRDM1	cg22196848	-0.0327755575212248	309	-0.571768562255145	0.567901295277004	0.00107423717082712	0.736518294291465

CESC	PRDM1	cg24040346	0.0695844550228782	309	1.21619440725753	0.224854359399223	0.00484199638083096	0.414147341027185
CESC	PRDM1	cg24793124	-0.127315786713444	309	-2.23803923326644	0.0259424497458602	0.0162093095464631	0.0885821417517206
CESC	PRDM1	cg24874254	-0.0428432775644994	309	-0.747684589324703	0.455228394847854	0.00183554643246874	0.645523008125881
CESC	PRDM1	cg26351406	-0.0442681907394604	309	-0.772599671875964	0.440359587609571	0.00195967271134524	0.632976732848598
CESC	PRDM10	cg04181189	-0.22643890849132	309	-4.05338238511911	6.41804367944708e-05	0.0512745792787406	0.000660168306226241
CESC	PRDM10	cg17627813	-0.0602174673994312	309	-1.05183620652367	0.293710067760093	0.00362614338000156	0.491458337161849
CESC	PRDM12	cg09191327	0.127482345606177	309	2.2410154503295	0.0257467982790383	0.0162517484412529	0.0880764445415552
CESC	PRDM12	cg12539975	0.127936734884551	309	2.24543356455454	0.0254611046093979	0.0163678081329199	0.0873878750373434
CESC	PRDM12	cg13795948	0.0790924043562785	309	1.38335684859087	0.167570509853212	0.00625560842685705	0.340391774693365
CESC	PRDM12	cg13928649	0.146519549431929	309	2.58252684835823	0.0102754130578937	0.0214679783657355	0.0435313120637031
CESC	PRDM12	cg23342516	0.122361634077531	309	2.1496009903865	0.0323757077958278	0.0149723694941236	0.104473030208587
CESC	PRDM13	cg00126261	0.263802624458943	309	4.76847098875817	2.88392481335566e-06	0.0695918246714262	4.36312810054823e-05
CESC	PRDM13	cg00579292	0.13936642873063	309	2.45388447118613	0.0146930496108794	0.0194230014571299	0.0574531842889546
CESC	PRDM13	cg01422797	0.135475141473203	309	2.38406914388903	0.0177357418783898	0.0183535139571844	0.0663920996938595
CESC	PRDM13	cg01815538	0.0640306170333033	309	1.11870761700696	0.264148087686619	0.00409991991766555	0.459671088347638
CESC	PRDM13	cg02400433	0.175190444524391	309	3.10253178022007	0.00209895645068247	0.0306916918526537	0.0123589326464118
CESC	PRDM13	cg03120185	0.124753088829185	309	2.19227084654334	0.0291178767848566	0.0155633331724224	0.0965803746312415
CESC	PRDM13	cg04910970	0.19702436307525	309	3.50391889401085	0.000527375234253834	0.038818599645208	0.00392146078089062
CESC	PRDM13	cg11809464	0.0246596257690715	309	0.430086053787763	0.667437760413671	0.000608097143070657	0.807165496735092
CESC	PRDM13	cg13738144	0.0993819792338738	309	1.74140509267	0.0826241666486135	0.00987677779644212	0.207682068913146
CESC	PRDM13	cg14344102	0.145473235471393	309	2.56368452530818	0.0108374978973894	0.0211624622385153	0.0454032156513281
CESC	PRDM13	cg17879189	0.0951058360353701	309	1.6657776050968	0.0967877919998247	0.0090451200479867	0.232629205389266
CESC	PRDM13	cg17978124	0.201807305003733	309	3.59254635333995	0.000381798002337543	0.0407261883528698	0.00298905254755112
CESC	PRDM13	cg25273233	-0.00397498003681461	309	-0.0693066926734595	0.944791064450342	1.58004662930747e-05	0.970464388585564
CESC	PRDM13	cg25924096	0.109773782382222	309	1.92560852456928	0.0550858210396723	0.0120502832984995	0.154806240949363
CESC	PRDM13	cg26507427	0.0324782019812644	309	0.566575701604889	0.571420536833082	0.00105483360393581	0.739307631093547
CESC	PRDM14	cg00384539	-0.126763515214504	309	-2.22817214822914	0.0266003646148905	0.0160689887895378	0.0902502841314837
CESC	PRDM14	cg01295203	-0.0171054026837501	309	-0.298286528484432	0.765688257695766	0.000292594800973246	0.870077753440124
CESC	PRDM14	cg04838988	0.0129587131533139	309	0.225961857780372	0.821382929345363	0.00016792824658987	0.904145339882179
CESC	PRDM14	cg09050331	0.110834218820953	309	1.94444051333391	0.05276449570706	0.0122842240616508	0.150011372255784
CESC	PRDM14	cg10457247	0.0205700098918439	309	0.358726278657873	0.720048868009081	0.000423125306950557	0.841216363112428
CESC	PRDM14	cg11229513	0.0854635444830019	309	1.49557969510613	0.135800583634785	0.00730401743559805	0.294899246407004
CESC	PRDM14	cg13267264	-0.113004794991695	309	-1.98300819891674	0.0482662251788464	0.0127700836911149	0.140561626233039
CESC	PRDM14	cg18035229	-0.0455376719988777	309	-0.794800950379422	0.427349358805479	0.00207367957107737	0.621684793531928
CESC	PRDM14	cg21255438	-0.129849995104279	309	-2.2833436124666	0.0230999689506503	0.0168610212285812	0.0812017045045375
CESC	PRDM14	cg27029821	-0.16693106122318	309	-2.95196276488011	0.00340353311584798	0.027865979201097	0.0182313885019815
CESC	PRDM4	cg00090609	-0.136896744941705	309	-2.40956155244743	0.0165657785851612	0.0187407187756344	0.0629564327920876
CESC	PRDM4	cg03909902	-0.068093984445932	309	-1.19002133297964	0.234966519244625	0.00463679071772283	0.426083575713667
CESC	PRDM4	cg12900929	-0.132826902844535	309	-2.33662039391956	0.0201083222578337	0.0176429861192716	0.0731410887618315
CESC	PRDM4	cg18440127	-0.152791760575817	309	-2.69566679894792	0.00741595273089539	0.0233453220998578	0.0338875261959801
CESC	PRDM4	cg25995916	-0.184296387405521	309	-3.26931840145138	0.00120177008722282	0.0339651584107258	0.00782805845812713
CESC	PRDM4	cg27140793	-0.109985316278209	309	-1.92936456120975	0.0546161225068224	0.0120967697968177	0.153897344875599
CESC	PRDM5	cg05713693	-0.298675361328498	309	-5.45665304685253	1.00760505168959e-07	0.0892069714647087	2.18709897854743e-06
CESC	PRDM5	cg06329345	-0.349479360112164	309	-6.5034627958282	3.22116486399761e-10	0.122135823144408	1.16357806329911e-08
CESC	PRDM5	cg07070341	-0.432052901842775	309	-8.35295698420136	2.39445066060726e-15	0.186669709990762	1.94035306970084e-13
CESC	PRDM5	cg10416963	-0.386882523864024	309	-7.31516655316599	2.29888947114443e-12	0.149678087271397	1.23764572676962e-10
CESC	PRDM5	cg11171429	-0.32952484559447	309	-6.08534750431478	3.49403132459712e-09	0.108586623864059	1.04263395805795e-07
CESC	PRDM5	cg13155001	-0.394286423332858	309	-7.48064355413038	7.99967261480597e-13	0.155461783624617	4.59960481445836e-11
CESC	PRDM5	cg18181323	-0.433794699944296	309	-8.39441784044611	1.79885721873161e-15	0.188177841699762	1.48556580121027e-13
CESC	PRDM5	cg19294653	-0.425924173283318	309	-8.20797897274343	6.46567300859571e-15	0.181411401387078	4.97517869466563e-13
CESC	PRDM5	cg22135105	-0.479255891102125	309	-9.5207336431802	5.60309620624669e-19	0.229686209156092	6.72665534365363e-17
CESC	PRDM8	cg01304890	0.00624500875530791	309	0.108887571599319	0.91336350147809	3.90001343538724e-05	0.954223703058324
CESC	PRDM8	cg02895669	-0.0913234988644237	309	-1.59896122465646	0.110867992654434	0.00833998144484039	0.256341455761725
CESC	PRDM8	cg04343891	0.000433976068842403	309	0.00756663202452805	0.993967721715753	1.88335228327906e-07	0.996872564214446
CESC	PRDM8	cg05007549	0.288337249449798	309	5.25031842764506	2.85740786536831e-07	0.0831383694202748	5.57115758091384e-06
CESC	PRDM8	cg07462804	-0.117136176216416	309	-2.05649622193277	0.0405879798352011	0.0137208837786032	0.123658921191667
CESC	PRDM8	cg08074201	-0.145404212443493	309	-2.55822383436639	0.011007064100697	0.0211423849963126	0.0459305661454498

CESC	PRDM8	cg10695325	0.041998520131168	305	0.732915891671239	0.464174480043735	0.00176387569320813	0.653408900921438
CESC	PRDM8	cg11571772	-0.109816196217061	305	-1.92636161155345	0.0549913759934531	0.0120595969515841	0.154624610692691
CESC	PRDM8	cg12572049	0.0440335070716361	305	0.768495828713416	0.442789249009345	0.00193894974502783	0.635128558012072
CESC	PRDM8	cg14489346	-0.116263062810301	305	-2.04095660478756	0.0421185959017865	0.0135170997740321	0.127141905614201
CESC	PRDM8	cg15656813	-0.110119237658685	305	-1.93174263221578	0.0543204798816385	0.01212624650253	0.153292248409772
CESC	PRDM8	cg16117799	-0.00321975153967979	305	-0.0561385773285501	0.955268290371455	1.03667999772704e-05	0.976175096358221
CESC	PRDM8	cg18624348	-0.082216838085932	305	-1.43836920420506	0.151357999867811	0.00675960846484835	0.317661106691033
CESC	PRDM8	cg19595012	-0.0643472241786269	305	-1.12241150616169	0.262576134596516	0.00414056525949447	0.458011341393336
CESC	PRDM8	cg20142271	-0.125201010808396	305	-2.20026724667029	0.0285399732418848	0.0156752931074441	0.0951178684761916
CESC	PRDM8	cg26162932	-0.0390589996246661	305	-0.681537005518102	0.496050623884559	0.00152560545167967	0.680907686672467
CESC	PRKAA1	cg00301775	-0.14636620751762	305	-2.57976487072473	0.0103561399037473	0.021423066703091	0.0438017478210251
CESC	PRKAA1	cg01883943	-0.337725706924189	305	-6.24572629501898	1.42466907455991e-09	0.114058653117443	4.57905810600035e-08
CESC	PRKAA1	cg03125217	0.122662405699757	305	2.15496544272284	0.0319496024536849	0.0150460657720518	0.10343698752682
CESC	PRKAA1	cg05874655	0.283899493399558	305	5.16236734725876	4.4140018808517e-07	0.0805989223525257	8.24747218522087e-06
CESC	PRKAA1	cg06971720	-0.120705861656052	305	-2.11659011783812	0.0351096548198329	0.01456990503813	0.111107766097853
CESC	PRKAA1	cg10786880	-0.021932394395146	305	-0.382496370199084	0.702360498174022	0.000481029923904234	0.829683994408577
CESC	PRKAA1	cg24728477	-0.00025388716319111	305	-0.004426674092318	0.99647094003494	6.44586916332326e-08	0.998268379680933
CESC	PRKCD	cg02121118	0.037538706302658	305	0.654971349568987	0.512981474039343	0.00140915447087721	0.694711038125812
CESC	PRKCD	cg02559423	-0.143600322867911	305	-2.52997847413634	0.0119118295916082	0.0206210527277682	0.0488699852685865
CESC	PRKCD	cg02630105	0.174598786068603	305	3.09172377892434	0.00217444238448039	0.0304847360966297	0.012703407243787
CESC	PRKCD	cg10531918	-0.273977155890065	305	-4.96701168400654	1.13614292668984e-06	0.0750634819496092	1.91600049509884e-05
CESC	PRKCD	cg13469346	0.124869539917109	305	2.19434962537984	0.0289666772289139	0.0155924019991104	0.0962224556277436
CESC	PRKCD	cg13889007	-0.439530039302995	305	-8.53176367698002	6.93307305589496e-16	0.193186655449693	5.99279428122547e-14
CESC	PRKCD	cg13908523	0.0453865062998081	305	0.792157094095094	0.428886787485981	0.00205993495410252	0.623018747300588
CESC	PRKCD	cg14727059	-0.0413429439919536	305	-0.721455693359774	0.471183689074135	0.00170923901792181	0.659552035192047
CESC	PRKCD	cg21903826	-0.110804188478254	305	-1.94390712084053	0.0528290955603775	0.0122775681843244	0.150151132951811
CESC	PRMT1	cg07702240	0.208956108081839	305	3.72551490171015	0.000232325527341776	0.043662655104709	0.00196772259924074
CESC	PRMT1	cg08377944	0.0857957452778646	305	1.50143610840887	0.134280737483501	0.00736090990778423	0.292563467654546
CESC	PRMT1	cg11787855	0.155088960626956	305	2.73718699789981	0.00656159527034441	0.0240525857083495	0.0307668460286404
CESC	PRMT1	cg14258555	0.0178867264293448	305	0.311915632097752	0.755318460810821	0.000319934982358223	0.863458464668651
CESC	PRMT1	cg14576628	-0.00525699543183482	305	-0.0916601139043409	0.927028457659927	2.76360009703322e-05	0.961483612813065
CESC	PRMT1	cg18880319	-0.0416239511926264	305	-0.72636789585267	0.468172158391499	0.00173255331288615	0.657181250269006
CESC	PRMT1	cg22292364	0.135926735230485	305	2.39216555765652	0.0173565100058158	0.0184760773504183	0.0652885421107505
CESC	PRMT1	cg24228123	0.100728312235763	305	1.76523617984495	0.0785280139173351	0.0101461928858653	0.200210019161838
CESC	PRMT1	cg25595446	-0.153667341961627	305	-2.71148697004151	0.00707925304663411	0.0236136519855516	0.0326849202527746
CESC	PRMT1	cg26846726	0.12035622023828	305	2.11384845714983	0.0353424474100723	0.0144856197500453	0.11162479614385
CESC	PRMT2	cg04493422	0.0899495237610203	305	1.5747068856032	0.116364203707741	0.00809091682483435	0.264997305167462
CESC	PRMT2	cg06725035	-0.232884318075843	304	-4.14079990299047	4.50715416944738e-05	0.0542351056056503	0.000485233256930514
CESC	PRMT2	cg09031657	-0.119555801013321	305	-2.09958593532655	0.0365894187253045	0.0142935895559369	0.114669348600747
CESC	PRMT2	cg10187059	-0.0847287390248792	305	-1.48262749103323	0.139209301355933	0.00717895921674608	0.300075833561098
CESC	PRMT2	cg10657630	-0.0904991202974204	305	-1.58179955989521	0.114738571101036	0.00819009077460696	0.26249771792242
CESC	PRMT2	cg12162201	-0.106899312519841	305	-1.87459490942376	0.0618072286849385	0.0114274630172147	0.168237632901193
CESC	PRMT2	cg13271076	-0.0254679890188738	305	-0.444193641179617	0.65721861939162	0.000648618464665477	0.80033894435604
CESC	PRMT2	cg17243659	-0.0819808483110674	305	-1.43185178296019	0.1532169588193	0.00672085948980224	0.3203878852461
CESC	PRMT2	cg23283320	-0.142905537273693	305	-2.51748177828067	0.0123336448986762	0.0204219925834828	0.0502373721790467
CESC	PRMT3	cg01769160	-0.014111708442905	305	-0.246070546596353	0.8057936812869	0.000199140315177557	0.894605549152565
CESC	PRMT3	cg04101203	-0.0765403227139582	305	-1.33845249539504	0.181749123290276	0.00585842100115686	0.359210755441994
CESC	PRMT3	cg06578097	-0.221295656796998	305	-3.9500036767814	9.72625275514658e-05	0.0489717677172148	0.000941333798001832
CESC	PRMT3	cg13432154	-0.206543725892416	305	-3.68057580431296	0.000275241404584534	0.0426603107055213	0.00227265649858411
CESC	PRMT3	cg13982511	0.059144629429179	305	1.03303024874876	0.302410846659203	0.00349808719031491	0.500768258797759
CESC	PRMT3	cg19653624	-0.100229287184884	305	-1.75640193304384	0.0800266650661571	0.0100459100095899	0.203118903169874
CESC	PRMT3	cg23019633	-0.213693542990637	305	-3.81397418949138	0.000165612583729006	0.0456649303158913	0.001481903075525
CESC	PRMT3	cg23071995	-0.0481437085455175	305	-0.840388739789798	0.40135093496299	0.00231781667251573	0.597918279448301
CESC	PRMT6	cg00944433	-0.251267344885742	305	-4.52620687254677	8.6281181206121e-06	0.0631352786059304	0.000114797534678823
CESC	PRMT6	cg02990361	-0.312150217007338	305	-5.72877614636767	2.43237588104395e-08	0.0974377579777284	6.13567604701468e-07
CESC	PRMT6	cg02993280	-0.168871082255802	305	-2.98727066923442	0.00304401307566112	0.0285174424222459	0.0166518496032615
CESC	PRMT6	cg09367891	-0.207914985274881	305	-3.7061116657464	0.000250017483687258	0.0432286411018538	0.00209228271578814

CESC	PRMT6	cg14671364	-0.304127618613246	309	-5.56631535008383	5.7185194065829e-08	0.092493608403364	1.31734231186174e-06
CESC	PRMT6	cg14828511	-0.327827588772484	309	-6.05021914676222	4.24638321941038e-09	0.107470927960381	1.24703430684317e-07
CESC	PRMT6	cg22528358	0.0971673488418339	309	1.70222544977008	0.0897353832537721	0.00944149368095064	0.220369796225896
CESC	PRMT7	cg00894222	-0.0291543155200772	309	-0.508539028929758	0.611444219153056	0.000849974113444211	0.768394475070962
CESC	PRMT7	cg02477175	-0.0183323239253348	309	-0.319688713625781	0.749423903970666	0.000336074100503403	0.859593587326487
CESC	PRMT7	cg06089844	0.00135737972159333	309	0.0236667459405064	0.981133958454025	1.84247970859279e-06	0.990286541212746
CESC	PRMT7	cg06092312	0.0711123221067609	309	1.24303267109528	0.214813639077984	0.00505696235541572	0.401740804347253
CESC	PRMT7	cg06745885	-0.0279921856452704	309	-0.48825175910649	0.62572351052794	0.000783562457199281	0.778557010702849
CESC	PRMT7	cg09175928	-0.108997933547068	309	-1.9118346659536	0.0568373190487	0.0118805495175309	0.158287601957181
CESC	PRMT7	cg09779635	-0.116119258956257	309	-2.03504226460975	0.0427167714146749	0.0134836823005502	0.128483935796212
CESC	PRMT7	cg10233539	0.0304233350372318	309	0.530694628653351	0.59601787288319	0.000925579314787653	0.75726241288446
CESC	PRMT7	cg10446007	-0.0504974283220974	309	-0.881577472312689	0.378701824682756	0.00254999026714536	0.577242583799407
CESC	PRMT7	cg11893236	-0.0384646950571864	309	-0.6711515537321	0.502633614399925	0.00147953276584234	0.686190499063382
CESC	PRMT7	cg19328639	0.0652872141018643	309	1.1407552597275	0.25486965898409	0.00426242032518266	0.449130844266939
CESC	PRMT7	cg21918026	-0.0984076540950908	309	-1.72416485155676	0.0856946547438175	0.00968406638449904	0.213294831903393
CESC	PRMT7	cg26492318	-0.00903215005889058	309	-0.157487341417181	0.874965333485987	8.1579734686317e-05	0.93385815433554
CESC	PRMT7	cg26561196	0.144349155403309	309	2.5434515578638	0.0114715014315902	0.0208366786656486	0.0474713539214389
CESC	PRMT7	cg26796563	0.0501660717958079	309	0.875778050361801	0.381842155180663	0.00251663475942215	0.580289678064553
CESC	PRMT8	cg01693063	-0.0607188982971269	309	-1.06062712382549	0.289701305378711	0.00368678461041684	0.487181654790995
CESC	PRMT8	cg06029846	-0.0314065213561731	309	-0.547861674746281	0.584188920049607	0.000986369583695759	0.748880532183299
CESC	PRMT8	cg07912789	-0.0789152900003475	309	-1.38023961502571	0.16852698967832	0.00622762299583894	0.341683310790598
CESC	PRMT8	cg10350722	-0.14493539704023	309	-2.55400240007089	0.0111368760910164	0.0210062693152091	0.0463702707463354
CESC	PRMT8	cg11596580	-0.0540847608451652	309	-0.944382274469738	0.345724290845194	0.00292516135567871	0.544995421960323
CESC	PRMT8	cg19656577	-0.080708199845779	309	-1.41180116521782	0.159031243108366	0.0065138135223462	0.328387655315926
CESC	PRMT8	cg21667836	0.076773657746177	309	1.34255695605158	0.180417121442798	0.00589419452372712	0.357543486066004
CESC	PRMT8	cg23739862	-0.0824659646486471	309	-1.44275742748228	0.150118355952923	0.00680063532543192	0.315767188439039
CESC	PRMT8	cg24100636	-0.0926550034661519	309	-1.62247463023888	0.105738316586983	0.00858494966731263	0.247854845141851
CESC	PRMT8	cg27316886	-0.141019176334803	309	-2.48357202657804	0.0135459855272974	0.0198864080941463	0.0540131418816287
CESC	PWWP2E	cg00259755	-0.075636914714938	309	-1.32256325130979	0.186974752741486	0.0057209428675948	0.366090655259518
CESC	PWWP2E	cg05010219	-0.0753760123617848	309	-1.31797508199654	0.18850425618306	0.00568154323956394	0.36810332108803
CESC	PWWP2E	cg15012692	-0.0240063475038801	309	-0.418685633732409	0.675741540945501	0.00057630472047705	0.812548495058648
CESC	PWWP2E	cg15278699	-0.287224103621992	309	-5.22822284407757	3.18897272987452e-07	0.0824976857014565	6.15285080723856e-06
CESC	PWWP2E	cg19919881	-0.103568980932715	309	-1.81555042058156	0.0704245017936405	0.010726533811441	0.185194324190734
CESC	PWWP2E	cg22633292	-0.00095546748926500	309	-0.0166591525224017	0.986719462189337	9.12918123042378e-07	0.993007258731262
CESC	PWWP2E	cg22664157	0.0224717089831279	309	0.391906598727063	0.695401817925798	0.000504977704622389	0.825408355437353
CESC	PWWP2E	cg24520806	-0.142130359496977	309	-2.50354359928214	0.0128197576810028	0.02020103909074	0.0518024220359409
CESC	PYGO1	cg06364757	-0.369548373360491	309	-6.93415449726323	2.45895812173132e-11	0.136566000253385	1.08442283515854e-09
CESC	PYGO1	cg09275667	-0.361475532258766	309	-6.7596156909463	7.07244153650804e-11	0.130664560421758	2.8972802363934e-09
CESC	PYGO1	cg11480800	-0.387369501648817	309	-7.32599871931987	2.14642777032763e-12	0.150055130807653	1.16199862188495e-10
CESC	PYGO1	cg12686317	-0.192255588498792	309	-3.41581310329409	0.000722411635821956	0.0369622113090166	0.0051192649660351
CESC	PYGO1	cg13878116	-0.0227684770145882	309	-0.397084900072362	0.691583488607565	0.00051840354556383	0.822809517377108
CESC	PYGO1	cg17841803	-0.351797663115611	309	-6.55267457534736	2.41497380657875e-10	0.123761595773605	8.93770087102697e-09
CESC	PYGO1	cg19850348	-0.252658211729764	309	-4.54547008491226	7.93047209309002e-06	0.0638361719544825	0.000106719105000838
CESC	PYGO1	cg22510134	-0.00270587043942892	309	-0.0471786359141858	0.962401832710182	7.32173483497526e-06	0.980256828372825
CESC	PYGO1	cg23030278	-0.372176555152074	309	-6.99136605230479	1.7322085467816e-11	0.138515388204865	7.84830702902316e-10
CESC	PYGO1	cg23412777	-0.0695284968924793	309	-1.2152116203116	0.225228330048195	0.0048342118801275	0.414590239642452
CESC	PYGO1	cg25902187	-0.284229472628687	309	-5.16889462800028	4.27465582380862e-07	0.0807863931107815	8.01500542678641e-06
CESC	PYGO2	cg01277844	-0.0527197399906494	309	-0.920480143762524	0.358051752786008	0.00277937098468168	0.557052137996414
CESC	PYGO2	cg02341811	-0.085453253711203	309	-1.4953982857149	0.135847874979019	0.00730225856983122	0.294952542174653
CESC	PYGO2	cg04602755	-0.366032622577446	309	-6.85792284113127	3.909697581753e-11	0.133979880790923	1.66384580784952e-09
CESC	PYGO2	cg10892866	-0.0737818882132892	309	-1.28994705539926	0.198049442988433	0.00544376702831831	0.380606124883705
CESC	PYGO2	cg14024356	0.124482961753255	309	2.18744913801252	0.0294712128207624	0.0154960077668624	0.0974014789029773
CESC	PYGO2	cg18188585	-0.0990082255088112	309	-1.73479109489407	0.0837913545989232	0.00980262871840362	0.209792560254534
CESC	PYGO2	cg24683561	-0.0997662716911355	309	-1.74820636153578	0.0814377768955922	0.00995330896714946	0.205573704192864
CESC	PYGO2	cg27105205	-0.0922975145620004	309	-1.61616077876844	0.107096798450092	0.00851883119432267	0.250164532177189
CESC	RBBP4	cg05797186	-0.18308506901585	309	-3.24708244901216	0.00129626227291836	0.0335201424965385	0.00832712033521147
CESC	RBBP4	cg06526778	-0.0340567747255441	309	-0.594144821022038	0.55285713220279	0.00115986390470646	0.724999001583083

CESC	RBBP4	cg09036220	-0.0623944835666572	309	-1.09000880420642	0.276572513082304	0.00389307157954985	0.473191769298874
CESC	RBBP4	cg11229946	-0.157994487053537	309	-2.78976750700032	0.00560766891504646	0.0249622579393104	0.0271921084321588
CESC	RBBP4	cg13641837	0.060949989797137	309	1.06292641475787	0.288661720327742	0.0037149023756271	0.486190133176937
CESC	RBBP4	cg16148416	-0.0304148280099617	309	-0.530546097453877	0.596120695424975	0.000925061762875549	0.757338918890358
CESC	RBBP4	cg16396527	-0.111776270235008	309	-1.96117577386455	0.0507711114210284	0.0124939345876495	0.145949591378593
CESC	RBBP4	cg18758482	-0.160179911046818	309	-2.82936541017686	0.00497428759894455	0.0256576039029666	0.0246681247652213
CESC	RBBP4	cg20740619	-0.0457234298068737	309	-0.798049890318553	0.425464493409186	0.0020906320333041	0.620148248127892
CESC	RBBP4	cg22358606	0.0121275352085211	309	0.211466353134604	0.832665078768267	0.00014707711023392	0.910227599770935
CESC	RBBP4	cg22857567	-0.0525414541827337	309	-0.917358663802029	0.359681924573966	0.0027606044076363	0.558498211409222
CESC	RBBP4	cg23016766	-0.085720061923257	309	-1.50010183188525	0.13462583865025	0.00734792901612702	0.293109134699771
CESC	RBBP4	cg26131911	-0.065585638971142	309	-1.14599207462487	0.252699708555162	0.00430147603925298	0.446662753961199
CESC	RBBP5	cg00960017	-0.0603963745978615	309	-1.05497265510352	0.292275540439729	0.00364772206456521	0.489995978556737
CESC	RBBP5	cg02189925	0.0145164781505926	309	0.253130117322552	0.80033875478359	0.000210728137896631	0.89091440351484
CESC	RBBP5	cg03143531	-0.0714963759550798	309	-1.24978027376926	0.212341115182348	0.00511173177471011	0.398573162371712
CESC	RBBP5	cg05290904	-0.111461108944201	309	-1.95557643452321	0.0514308886990165	0.0124235788070711	0.147297429695305
CESC	RBBP5	cg07601985	-0.01301624558964	309	-0.226965223937376	0.820603332458515	0.000169422649249822	0.903570777504359
CESC	RBBP5	cg07972983	0.00284224411216023	309	0.0495564195986146	0.960508419140846	8.07835159310952e-06	0.979266362863907
CESC	RBBP5	cg14717946	9.54821710679863e-06	309	0.00016647885384567	0.999867278284274	9.1168449918562e-11	0.999903533818848
CESC	RBBP5	cg18131828	-0.226339584020449	309	-4.05150839712195	6.46700492222816e-05	0.0512296072945501	0.000664413868092733
CESC	RBBP5	cg21214746	0.0223898714631198	309	0.389835871622988	0.696931794584903	0.000501306344135027	0.826191873999401
CESC	RBBP5	cg23227967	-0.0255893053985515	309	-0.446310934000266	0.655690395849337	0.000654812550780335	0.79923815376427
CESC	RBBP5	cg24103461	-0.163928313287156	309	-2.89738286560534	0.00403625921226575	0.026872491897172	0.0208923628840956
CESC	RBBP5	cg26795850	-0.156211794979865	309	-2.75749790844793	0.00617696225870147	0.0244021248908313	0.0293507575099818
CESC	RBBP7	cg01947226	-0.218959527520828	309	-3.91263401727816	0.000112687395124506	0.0479432746921441	0.00106803158093516
CESC	RBBP7	cg03048084	-0.0872555107343625	309	-1.52717651970896	0.127756868206319	0.00761352415351445	0.282671154870374
CESC	RBBP7	cg03171708	-0.122175294481165	309	-2.14627780743062	0.032642119470442	0.0149268025815593	0.105110353991621
CESC	RBBP7	cg03811055	-0.114544054024252	309	-2.01037577670703	0.0452743777288968	0.0131203403123108	0.134214623843953
CESC	RBBP7	cg07096248	-0.0801579936445971	309	-1.40211413905229	0.16190142670251	0.00642530394512727	0.332399254707761
CESC	RBBP7	cg08363715	-0.0771260540397129	309	-1.34875617485679	0.17841915178726	0.00594842821173671	0.355012071410433
CESC	RBBP7	cg14719055	-0.263989609327731	309	-4.77210400656158	2.83594546936809e-06	0.0696905138330082	4.30057586440587e-05
CESC	RBBP7	cg15289846	-0.0913921197941258	309	-1.60017280802069	0.110598935079188	0.00835251956046384	0.255962799891424
CESC	RBBP7	cg15464143	-0.261740857824937	309	-4.72845013067323	3.46702129135467e-06	0.0685082766549341	5.14461214469154e-05
CESC	RBBP7	cg16978043	-0.0775804171014131	309	-1.35674990431316	0.17586730423458	0.00601872111762923	0.351671320831403
CESC	RBBP7	cg17878446	-0.154765565759264	309	-2.73133913967532	0.00667628220605112	0.0239523803447851	0.0311936755518043
CESC	RBBP7	cg17880859	-0.0873599520564576	309	-1.52901853775902	0.127299678801185	0.00763176122330656	0.282100874879914
CESC	RBBP7	cg21122900	-0.17106293269583	309	-3.02720482998791	0.00267954513476366	0.0292625269424979	0.015046674773067
CESC	RING1	cg01241018	0.0442592165543281	309	0.772442740630267	0.440452356510825	0.00195887825000291	0.633071699049967
CESC	RING1	cg01878788	-0.00942101550555012	309	-0.164268308159288	0.869629093755588	8.87555331558158e-05	0.930844625878838
CESC	RING1	cg02475416	0.0024854379720047	309	0.0433352526513883	0.965462761101396	6.17740191268284e-06	0.98181926373398
CESC	RING1	cg03037740	0.0924429064014888	309	1.61872856543666	0.106542648924851	0.00854569094395442	0.249154657321586
CESC	RING1	cg06316695	-0.0520851112215541	309	-0.909369278051795	0.363875626784165	0.00271285881096166	0.562803755890954
CESC	RING1	cg06671577	0.0788609704177101	309	1.37928361032982	0.168821149951442	0.00621905265522295	0.342074663071978
CESC	RING1	cg07946923	-0.031819684696759	309	-0.555076236416073	0.579250708302448	0.00101249233420116	0.745347672792362
CESC	RING1	cg08892712	-0.0501356863861914	309	-0.875246257627893	0.38213091710694	0.00251358704941454	0.580581070746192
CESC	RING1	cg09478665	0.0436605101801865	309	0.760719327177957	0.447416300723217	0.00190624014919417	0.639022980437356
CESC	RING1	cg09724776	0.147533104988964	309	2.60078769439192	0.00975570372346063	0.0217660170676846	0.0417821747524934
CESC	RING1	cg09832551	-0.0600507424113045	309	-1.0489134176642	0.295051138320031	0.00360609166414885	0.492917756613591
CESC	RING1	cg09869033	-0.045443077258237	309	-0.793146501865557	0.428311058952281	0.0020650732706981	0.622537747663627
CESC	RING1	cg10265934	0.097185023082749	309	1.70253802783202	0.0896767496379388	0.00944492871159446	0.220302304017867
CESC	RING1	cg12065531	-0.103189145739591	309	-1.80882016465053	0.0714668012274854	0.0106479997984666	0.18717598675861
CESC	RING1	cg12115664	-0.113279101389162	309	-1.98788422184188	0.0477212698630081	0.0128321548115361	0.139451979641601
CESC	RING1	cg12256228	0.0869436519473362	309	1.52167660847048	0.129129586201634	0.00755919861393953	0.284801174556869
CESC	RING1	cg14046664	-0.23516608010373	309	-4.21856964589082	3.24844327704656e-05	0.0553030852313541	0.000365186988864971
CESC	RING1	cg14363494	-0.0956710064031678	309	-1.67576772639214	0.0948118431479712	0.00915294146619497	0.229272339994194
CESC	RING1	cg18189601	-0.200685812914741	309	-3.57174144799243	0.000412114509912739	0.0402747955052503	0.00318403378529661
CESC	RING1	cg20505183	0.0841151507538921	309	1.47181381501481	0.142105602232533	0.00707535858634999	0.304401883968326
CESC	RING1	cg24536938	0.0312395481145981	309	0.544946107006094	0.586190134937736	0.000975909366404291	0.750364049527354

CESC	RING1	cg24550302	-0.0781648669143112	308	-1.36478327320522	0.173333786124425	0.00610974641973198	0.348270276299486
CESC	RNF17	cg00202166	-0.251463712418743	308	-4.52998281587039	8.48494914812216e-06	0.0632339986634163	0.000113259803368053
CESC	RNF17	cg01405147	0.0857127087359913	308	1.49997219863052	0.134659404061559	0.00734666843886087	0.293174008719494
CESC	RNF17	cg07131398	0.0194999469945943	285	0.326358577885086	0.744396872645734	0.000380247932791988	0.85642068031459
CESC	RNF17	cg12020676	0.0139740844901525	308	0.243670281007485	0.807650545267481	0.000195275037337921	0.895874502994859
CESC	RNF17	cg14855529	0.0601748854508432	308	1.05108971107996	0.294052192800449	0.0036210168390221	0.491808661808917
CESC	RNF17	cg15523998	-0.00466198660142122	308	-0.0812853972249936	0.935268475850647	2.1734119071831e-05	0.965493651574875
CESC	RNF17	cg17806989	-0.378687425891648	308	-7.13394403194282	7.17313824529913e-12	0.143404166528443	3.50299508257879e-10
CESC	RNF17	cg20477497	-0.00033229500000468	308	-0.0057937616177306	0.995381073018821	1.10419967028115e-07	0.99763811479845
CESC	RNF17	cg21831927	0.0343744277956242	308	0.599693031763423	0.549157536774491	0.00118160128627658	0.722166320621439
CESC	RNF17	cg23678722	0.0345477701503202	308	0.602720750830724	0.547143816398492	0.00119354842235935	0.720546706979652
CESC	RNF17	cg24753530	-0.0599237824142128	308	-1.04668779200847	0.296075088324781	0.00359085969882592	0.49403850693367
CESC	RNF20	cg04845236	-0.00290219069384644	308	-0.0506016368993694	0.959676189638662	8.42271082344887e-06	0.978941860693937
CESC	RNF20	cg14625770	0.0670109666911925	308	1.17100827444419	0.242512508230677	0.00449046965688811	0.434941397669156
CESC	RNF20	cg21219529	-0.00148729398884941	308	-0.0259318854681645	0.979328681692575	2.2120434092676e-06	0.989350121595619
CESC	RNF217	cg00991794	-0.19841713676277	308	-3.52969965763433	0.000480399344731818	0.0393693601611356	0.00362063423988249
CESC	RNF217	cg02312409	-0.200192936146652	308	-3.56260267877783	0.000426133292765854	0.0400772116830176	0.00327445805782565
CESC	RNF217	cg03113502	-0.181223115600033	308	-3.21293270372873	0.00145488026830911	0.0328418176277828	0.0091696472164659
CESC	RNF217	cg06993703	-0.184013842694341	308	-3.26413040471772	0.00122322644122503	0.0338610943031378	0.00794321183377798
CESC	RNF217	cg07439975	-0.156770525100696	308	-2.76706883515376	0.00599319906119177	0.0245769975403479	0.0286437874157617
CESC	RNF217	cg10621825	-0.192272224830287	308	-3.41612002777345	0.000721628202344448	0.0369686084411885	0.00511464507773178
CESC	RNF217	cg16203203	-0.290682104066036	308	-5.29693915324178	2.26393455890724e-07	0.0844960856242578	4.52751992482338e-06
CESC	RNF217	cg17382198	-0.209742066687097	308	-3.74017145399277	0.000219751641414141	0.0439917345381748	0.00187918433543127
CESC	RNF217	cg18192252	-0.206559380332982	308	-3.68086719619455	0.000274940512002355	0.0426667776035454	0.0022710471640169
CESC	RNF217	cg19171596	-0.189421396728916	308	-3.36356934111633	0.000867964148964265	0.0358804655387333	0.00596540356961976
CESC	RNF217	cg19478500	-0.248200450645446	308	-4.46731070912407	1.11850610247679e-05	0.0616034637006024	0.000144515967008935
CESC	RNF217	cg20034100	-0.0109467679761077	308	-0.19087485823975	0.848751047526423	0.000119831729122737	0.919337505621901
CESC	RNF217	cg23521835	-0.202859378202778	308	-3.6120768519193	0.000355255861824651	0.0411519273248176	0.00281531938482297
CESC	RNF217	cg24822696	-0.135655648771747	308	-2.38730519311933	0.0175833002256255	0.0184024550436835	0.0659367614474108
CESC	RPH3A	cg00851732	-0.0560781950973348	308	-0.979297784161164	0.328211545260361	0.00314476396537475	0.527811657922161
CESC	RPH3A	cg00854817	-0.0363717097361528	308	-0.634582312360087	0.526178132904601	0.00132290126913095	0.704911427287891
CESC	RPH3A	cg01119407	-0.0883477358525698	308	-1.54644247388892	0.123038093447323	0.00780532243027545	0.275426211283679
CESC	RPH3A	cg01573562	-0.0520231332887625	308	-0.908284248812603	0.364447529449104	0.00270640639718035	0.56339707700184
CESC	RPH3A	cg05967001	-0.0773187851395619	308	-1.35214684050756	0.177333384417422	0.00597819453545773	0.353606850274497
CESC	RPH3A	cg08254200	-0.0889655169611186	308	-1.55734210993219	0.120429693031026	0.00791486320815909	0.271375823064498
CESC	RPH3A	cg09384610	-0.0736831444933717	308	-1.28821126416524	0.198652058511696	0.00542920578243109	0.381333915014038
CESC	RPH3A	cg11596863	-0.113580820235259	308	-1.99324805553817	0.0471278082078914	0.0129006027253143	0.138187807158596
CESC	RPH3A	cg16403344	-0.0256374983033129	308	-0.447152033571808	0.655083706787979	0.000657281319252373	0.798946193300474
CESC	RPH3A	cg17453780	-0.114605945707068	308	-2.01147649825053	0.0451574076470003	0.0131345227914114	0.133939887543493
CESC	RPH3A	cg18629535	-0.0289357275591094	308	-0.504722989704891	0.614119069775343	0.000837276329375002	0.770511239824899
CESC	RPH3A	cg19712198	-0.0371592459039646	308	-0.648341363454957	0.517253593818764	0.00138080955615131	0.698221895811923
CESC	RPH3A	cg20704159	-0.091182561094309	308	-1.59647287428386	0.111422211724942	0.00831425944771738	0.257202443219197
CESC	RPH3A	cg21900624	-0.00429663979890157	308	-0.0749151662327147	0.940331482454546	1.8461113561505e-05	0.968279525875538
CESC	RPH3A	cg23199238	0.0297570019477134	297	0.508713149509414	0.611337449013067	0.000885479164916222	0.768304136784698
CESC	RPH3A	cg23549179	-0.0584653356516362	308	-1.02112465497369	0.308007293781291	0.00341819547285849	0.506588287541422
CESC	RPH3A	cg23596620	-0.0605162250478488	308	-1.05707382814268	0.291317170155342	0.00366221349404188	0.488916098959392
CESC	RTF1	cg04910470	-0.029125818432566	308	-0.508041531695843	0.611792645503287	0.0008483132993668	0.768662616321675
CESC	RTF1	cg07091958	-0.0740029655821136	308	-1.29383345773691	0.196705073398984	0.0054764389149475	0.378846171265036
CESC	RTF1	cg07129439	0.209144400641975	308	3.72902549153285	0.000229253428361324	0.0437413803198908	0.00194551556735473
CESC	RTF1	cg15581235	0.13284829056215	308	2.33700339419983	0.0200881075998747	0.0176486683052854	0.0730926855935752
CESC	RTF1	cg18782716	0.0792164544335886	308	1.38554022307353	0.166903015834388	0.00627524665302882	0.339541140528776
CESC	RTF1	cg22263512	0.0438883673718221	308	0.765957877997325	0.444295678026438	0.00192618879056402	0.636259742215797
CESC	RTF1	cg24280607	0.0377279743080675	308	0.658278372979775	0.510857475266677	0.0014234000453902	0.693073188932971
CESC	RTF1	cg27576415	0.129943440543279	308	2.28501501312927	0.0230005153148893	0.0168852977402248	0.0809162975809025
CESC	SATB1	cg01069104	-0.226093906759368	308	-4.04687369417979	6.58962510176472e-05	0.0511184546737139	0.000674783855688673
CESC	SATB1	cg01373248	0.291137070281158	308	5.30599689215523	2.16341622174318e-07	0.0847607936918961	4.34324649172359e-06
CESC	SATB1	cg04004754	-0.0885365426208008	308	-1.54977343813257	0.122236294869844	0.00783871937924488	0.274127462125254

CESC	SATB1	cg14415616	-0.347895154250362	309	-6.46991241716403	3.91665190747524e-10	0.121031038350883	1.39255949949785e-08
CESC	SATB1	cg19818826	-0.372089874308753	309	-6.98947604169972	1.7524283452491e-11	0.138450874563103	7.92607038897145e-10
CESC	SATB1	cg26131754	-0.288733820637535	309	-5.2581958393335	2.74749282984473e-07	0.0833672191799483	5.38655386101161e-06
CESC	SATB1	cg26768584	0.0224097827470381	309	0.390826061792383	0.696199558320696	0.000502198362769445	0.825851213613703
CESC	SCML2	cg00457389	0.0194041962676658	309	0.337830417011385	0.735724920017346	0.000376522832794094	0.851001765378241
CESC	SCML2	cg04189389	-0.0525566664985545	309	-0.917625002030604	0.359542648690306	0.00276220319344028	0.558439313622387
CESC	SCML2	cg05049545	-0.0316425459635806	309	-0.551983046601642	0.58136551793067	0.00100125071505731	0.746821304242258
CESC	SCML2	cg06131666	-0.00069544880355183	309	-0.0121255671526148	0.990333387804435	4.83649038361685e-07	0.994732410190131
CESC	SCML2	cg08300622	-0.0859216708260299	309	-1.50365619889201	0.133708050821507	0.00738253351753663	0.291780529765444
CESC	SCML2	cg17710066	0.0278386390863228	309	0.485571450948084	0.627620812347384	0.00077498982617854	0.779938640598319
CESC	SCML2	cg17727916	-0.062873577973311	309	-1.09841149826582	0.272894025245426	0.00395308680716602	0.469191720996811
CESC	SCML2	cg22823767	-0.115783405145309	309	-2.03242173175956	0.0429799507300176	0.0134057969070428	0.129016140110009
CESC	SCML2	cg26246138	-0.0689721806047201	309	-1.20544171939128	0.228970271789726	0.00475716169737012	0.418940526920596
CESC	SCML4	cg00977377	0.0701314304406381	309	1.22580148978619	0.221222130129954	0.00491841753565007	0.409541535179897
CESC	SCML4	cg03500965	-0.225761893245655	297	-3.96005971528912	9.420472416785e-05	0.0509684324418624	0.000915612482747842
CESC	SCML4	cg05603896	-0.161847697014528	309	-2.85961287531584	0.00453505859456465	0.0261946770289064	0.022925488875532
CESC	SCML4	cg08792995	-0.128557857217514	309	-2.26023826575531	0.0245137483486734	0.0165271226523587	0.0849422663400809
CESC	SCML4	cg17388996	-0.0241364695206348	309	-0.42095636193805	0.674084393729329	0.000582569160920531	0.811597303639224
CESC	SCML4	cg23503775	-0.132497785762562	309	-2.3307271525933	0.0204216227481728	0.0175556632319817	0.0739884370376003
CESC	SCML4	cg27353361	-0.0137340093652137	309	-0.239483222739139	0.810892288288859	0.000188623013243777	0.898036225712058
CESC	SCML4	cg27659622	-0.0780307720808469	309	-1.36467395777626	0.173364793051575	0.00608880139153308	0.348301013365884
CESC	SETD1A	cg26692825	-0.182107208070096	309	-3.22914320059881	0.00137746894539984	0.0331630352310854	0.00876268044308078
CESC	SETD6	cg01152986	-0.167990166323166	309	-2.9712338151063	0.0032027588614498	0.028220695981285	0.0173784908186947
CESC	SETD6	cg01472538	-0.179119531779744	309	-3.16916887303387	0.00168497181721227	0.0320838066649948	0.0103424883658049
CESC	SETD6	cg01773760	-0.101075854367644	309	-1.77138951729047	0.0774977773052603	0.0102163283361491	0.198467988533608
CESC	SETD6	cg02549819	-0.216103685771841	307	-3.84636976329353	0.000146256707287782	0.0467008030041747	0.00133293044596365
CESC	SETD6	cg05502081	-0.13642847661848	309	-2.40116282672096	0.0169434820748032	0.0186127292324392	0.0640632439624419
CESC	SETD6	cg09132913	-0.153282708605208	309	-2.70453653819882	0.00722544230541502	0.023495588757349	0.0332286627280359
CESC	SETD6	cg19824325	-0.208688221873111	309	-3.72052108770642	0.000236762541038281	0.0435507739485608	0.00199899122178555
CESC	SETD6	cg26666090	-0.179177453278489	309	-3.17545475655643	0.00164952971892591	0.0321045597633653	0.0101634337837892
CESC	SETD7	cg05316864	-0.169869180324445	309	-3.00544970148466	0.00287280367991805	0.0288555384240989	0.015905408118678
CESC	SETDB1	cg02060408	-0.293522857056706	309	-5.3447467140525	1.78394221122692e-07	0.0861556676147314	3.66561015267267e-06
CESC	SETDB1	cg08531528	-0.0602205146025968	309	-1.05188962664092	0.293685595170545	0.00362651037900157	0.491458337161849
CESC	SETDB1	cg10589385	-0.17629664274045	309	-3.12274834606851	0.00196420584616458	0.031080506241554	0.0117198519402153
CESC	SETDB1	cg10961700	-0.117765897962197	309	-2.06430333340605	0.0398398553737288	0.0138688067228426	0.122130342788504
CESC	SETDB1	cg12082615	-0.114452129960042	309	-2.00874098372827	0.045448575456159	0.0130992900523904	0.134572621285595
CESC	SETDB1	cg15448220	-0.176294628289162	309	-3.12271151945509	0.00196444388194536	0.0310797959636136	0.0117203732918212
CESC	SETDB1	cg16370685	-0.197539570288063	307	-3.5018765078794	0.000531754352572102	0.0390218818295927	0.00394914540372259
CESC	SETDB1	cg17899625	-0.0654646712794079	309	-1.1438692740185	0.253577757591002	0.00428562318572093	0.447574091299703
CESC	SETDB1	cg17918089	-0.067974910495024	309	-1.18793070924889	0.235787985425811	0.00462058845680653	0.427075449085344
CESC	SETDB1	cg19689029	-0.274544544381726	309	-4.97813563337136	1.07741868503986e-06	0.0753747068497693	1.82567434510979e-05
CESC	SETDB1	cg26820223	-0.0671444661918688	309	-1.17335171616806	0.24157328569713	0.00450837934019101	0.433867071165244
CESC	SETMAR	cg00300090	0.0137620828566002	309	0.239972839593234	0.810513043125964	0.00018939492455193	0.897718462874856
CESC	SETMAR	cg02520519	0.0772538677707435	309	1.35100474993902	0.17769855377679	0.00596816008553952	0.354131603968429
CESC	SETMAR	cg06021447	-0.0151480547877249	309	-0.264145667685508	0.79184665422956	0.000229463563851915	0.885770632240052
CESC	SETMAR	cg06267913	-0.034642062248061	309	-0.604367745553893	0.546049952929547	0.00120007247679853	0.719721629870238
CESC	SETMAR	cg14751177	-0.0235604017963202	309	-0.410903702616754	0.681432636868847	0.000555092532804047	0.816222095981819
CESC	SETMAR	cg14961031	-0.250803760897855	309	-4.51729500026644	8.9752793310106e-06	0.0629025264805085	0.000118886919849589
CESC	SETMAR	cg15232450	0.115906828452882	309	2.03461774812756	0.0427569072803074	0.0134343928820058	0.128565806027125
CESC	SETMAR	cg15384599	-0.122955091218488	309	-2.16018625301858	0.0315395544955559	0.0151179544565468	0.102459101450172
CESC	SETMAR	cg16423812	-0.0343513875088624	309	-0.599290598051079	0.549425469743242	0.00118001782378403	0.7223871526487
CESC	SETMAR	cg21901604	-0.277660201017953	309	-5.0393203824749	8.03327196348003e-07	0.0770951872293302	1.40784041254104e-05
CESC	SETMAR	cg22149154	-0.0537483656026211	309	-0.938491354272939	0.348736988274119	0.00288888680495302	0.547896543860506
CESC	SETMAR	cg23182840	-0.359825989225599	309	-6.72416917896363	8.74484372207468e-11	0.129474742522181	3.53584393199105e-09
CESC	SETMAR	cg23549342	-0.375635110491381	309	-7.06695145854214	1.08710849601199e-11	0.141101736233872	5.12548595992466e-10
CESC	SETMAR	cg24390964	-0.0372756050570576	309	-0.650374377156346	0.515941629271008	0.00138947073236974	0.697067785819882
CESC	SETMAR	cg26797270	-0.102309418635545	309	-1.79323544795783	0.0739291944836417	0.0104672171415432	0.191816954796399

CESC	SETMAR	cg27265118	-0.178515642991543	309	-3.16333907261954	0.00171743392946524	0.031867834792684	0.0105052724570545
CESC	SFMBT2	cg09060610	-0.281466855149633	309	-5.11430895919422	5.58449862814503e-07	0.0792235905478247	1.02005279708362e-05
CESC	SFMBT2	cg12328063	-0.308920118557512	307	-5.64454536469842	3.8172956167768e-08	0.0954316396495873	9.18251995088231e-07
CESC	SFMBT2	cg20299663	-0.332989085683871	308	-6.14711794873052	2.48339405596828e-09	0.11088173118458	7.63911258165268e-08
CESC	SFMBT2	cg25291138	-0.328614841268298	309	-6.0665048250934	3.87971883966349e-09	0.107987713901789	1.14542257082649e-07
CESC	SHPRH	cg00571935	0.0508221364449732	309	0.887260816637877	0.375639897039878	0.00258288955283148	0.574194000619284
CESC	SHPRH	cg02758840	-0.0824276343315365	309	-1.44208224295475	0.15030858297258	0.0067943149014935	0.316055515413923
CESC	SHPRH	cg06708562	-0.135993151610559	309	-2.39335643395637	0.0173013370784302	0.0184941372849724	0.065134543974032
CESC	SHPRH	cg11387577	-0.0100870901919205	308	-0.175593855208689	0.860730318813358	0.000101749388539938	0.926007930406676
CESC	SHPRH	cg11675148	-0.022281304104076	309	-0.388584281253142	0.69785570017514	0.000496456512578315	0.826728359955793
CESC	SHPRH	cg12989205	0.0948036668690483	309	1.66043703960029	0.0978576027706653	0.00898773525181749	0.23442552041452
CESC	SHPRH	cg14102550	-0.18196084943286	309	-3.22645904723562	0.00139001730050112	0.0331097507263278	0.00883723141769209
CESC	SHPRH	cg15443174	-0.0281192716230712	309	-0.490470197611974	0.62415503204104	0.000790693436612055	0.777373345969495
CESC	SHPRH	cg16339435	-0.189547986522028	309	-3.36590094819117	0.000860924496001143	0.035928439194555	0.00592644546871187
CESC	SHPRH	cg18099523	-0.024619814679231	309	-0.429391291111767	0.667942651785063	0.00060613527483968	0.80737629007547
CESC	SHPRH	cg26814539	-0.0727844325629814	309	-1.27241477583646	0.204198146964362	0.00529757362351518	0.388243979004439
CESC	SHPRH	cg27398948	-0.121989718541727	309	-2.14296847252812	0.0329092938024079	0.0148814914298898	0.105734341141722
CESC	SIN3A	cg01088093	-0.0317473673301473	309	-0.553813427005947	0.580113650937568	0.00100789533239531	0.745964517191265
CESC	SIN3A	cg01664094	0.101977373796645	309	1.7873542485301	0.0748763590625267	0.0103993847664607	0.193667303152249
CESC	SIN3A	cg02028562	-0.202667353483614	309	-3.60851116855412	0.000359968483502395	0.0410740561680522	0.00284645133213919
CESC	SIN3A	cg07544511	-0.0137454167051141	309	-0.23968217284046	0.810738181052379	0.000188936480397229	0.897916687643809
CESC	SIN3A	cg10483776	0.0977246280443734	309	1.71208200389332	0.0879013570419835	0.00955010292641114	0.217202876781884
CESC	SIN3A	cg11184237	-0.296376337324638	308	-5.40168276715551	1.33704954000198e-07	0.0878389333259677	2.8280160933908e-06
CESC	SIN3A	cg15851274	-0.164026444049408	308	-2.89439294493073	0.00407476333109584	0.0269046743474934	0.0210560880760205
CESC	SIN3A	cg22059910	0.149453703411553	309	2.63541341375879	0.00883446993187604	0.0223364094634283	0.0387761653058206
CESC	SIN3A	cg25697800	-0.148871298003265	309	-2.62491025065482	0.00910529848418066	0.0221626633691768	0.039687224914744
CESC	SIN3B	cg06815056	-0.0663545435446269	309	-1.15948638096246	0.247167871854769	0.00440292544901579	0.440417266155201
CESC	SIRT1	cg02720207	-0.0529257306996404	309	-0.924086799140971	0.356174028629963	0.00280113297009086	0.554940965015809
CESC	SIRT1	cg03211233	-0.0957932010055735	309	-1.67792788961127	0.0943888842284582	0.0091763373588942	0.228501287059862
CESC	SIRT1	cg07832903	-0.0693999175564222	308	-1.21095680565509	0.226855625657271	0.0048163485568382	0.416403335276531
CESC	SIRT1	cg10582690	-0.0772188662733095	309	-1.35038897614631	0.177895673158951	0.00596275330853526	0.354413587863525
CESC	SIRT1	cg10705386	-0.101546955673796	309	-1.77973155334471	0.0761187876505376	0.0103117842066158	0.195955689019687
CESC	SIRT1	cg19192316	-0.0415485788250655	309	-0.725050317231428	0.468978875226804	0.00172628440238268	0.657874436399265
CESC	SIRT1	cg19681528	-0.0264841803786751	309	-0.461929493311055	0.644462275014406	0.000701411810330197	0.791439187687983
CESC	SIRT1	cg19980381	-0.118459249737863	309	-2.08005342789117	0.0383581294161644	0.0140325938484575	0.118664567492494
CESC	SIRT1	cg25513531	-0.060439971678013	309	-1.05573697742101	0.291926677852993	0.00365299017643902	0.489665483784239
CESC	SIRT4	cg04118464	-0.0797165820722343	309	-1.38051496126963	0.168462741099252	0.00635473345727927	0.341615561606245
CESC	SIRT4	cg07106325	0.0756084910035166	309	1.32206338515659	0.187140938704725	0.00571664391182885	0.366340542800588
CESC	SIRT4	cg08264848	-0.0483816475473886	309	-0.838977224511908	0.402150104291974	0.00234078381939973	0.598684652734419
CESC	SIRT4	cg12124973	-0.0339255590412563	308	-0.590878782301491	0.555042132393926	0.00115094355626177	0.726606969745001
CESC	SIRT4	cg20010714	-0.0405766380591458	309	-0.708060997515684	0.479449902523311	0.00164646355618292	0.666786860418476
CESC	SIRT4	cg21068152	0.0119190310107623	309	0.207830169767605	0.835500735226087	0.000142063300235514	0.911866667548341
CESC	SIRT4	cg21123573	-0.105759389082046	297	-1.81740972168471	0.0701792449216225	0.0111850483790077	0.184729053232558
CESC	SIRT5	cg01064902	-0.154850013684601	309	-2.7328661008378	0.00664616236318084	0.023978526738121	0.0310884225170639
CESC	SIRT5	cg02206980	-0.0711070911334169	309	-1.24294076977952	0.214847457826995	0.00505621840945605	0.401772635366915
CESC	SIRT5	cg02712746	-0.132881912923751	308	-2.33375758004495	0.0202621481748137	0.0176576027822752	0.0735510967808993
CESC	SIRT5	cg06139021	0.104918842940838	309	1.8394749882452	0.0668203399497254	0.0110079636040443	0.178173831227041
CESC	SIRT5	cg07534331	-0.213964003993179	309	-3.81903278077229	0.000162406384758745	0.0457805950047932	0.001456732652591
CESC	SIRT5	cg07909422	-0.05703056478521	309	-0.995982903419968	0.320050554057803	0.00325248531972003	0.519444479729048
CESC	SIRT5	cg08619119	-0.247665201663337	309	-4.45704660849518	1.16993778975549e-05	0.0613380521149412	0.000150262738015913
CESC	SIRT5	cg10907941	-0.255559465986263	309	-4.60887696243943	5.96647890939921e-06	0.0653106406551837	8.31523217982448e-05
CESC	SIRT5	cg11824369	-0.0739316542896058	309	-1.292579828738	0.197137988223477	0.00546588950599779	0.379382363344972
CESC	SIRT5	cg19366958	0.0236091474506387	309	0.411754321767376	0.680809665657463	0.000557391843345998	0.815857196610555
CESC	SIRT5	cg20150972	-0.0935084975797072	309	-1.63755132653621	0.102549972102769	0.0087438391196141	0.242561121472705
CESC	SIRT7	cg11691214	-0.274735225446473	307	-4.96546050726009	1.14827208780871e-06	0.0754794441011242	1.93435857078802e-05
CESC	SIRT7	cg12710567	-0.2783273435483	296	-4.95172064541959	1.2463551072929e-06	0.0774661101666537	2.07843406681123e-05
CESC	SIRT7	cg17552093	-0.0887894911570979	309	-1.55423626736745	0.121168483601326	0.00788357373993637	0.272495982113827

CESC	SIRT7	cg20397086	-0.173797314378791	299	-3.02605536362838	0.0026968168065659	0.0302055064852803	0.0151269858425256
CESC	SMARCA	cg03460558	-0.14592052482487	309	-2.57173836129119	0.0105939667218618	0.0212927995651655	0.0445832155212236
CESC	SMARCA	cg06675660	-0.0821421600607482	309	-1.43705384601821	0.151731102303971	0.00674733445944558	0.318172070168619
CESC	SMARCA	cg08617833	-0.343415435410125	309	-6.37538038368563	6.76770656824668e-10	0.117934161277926	2.30410050227651e-08
CESC	SMARCA	cg12935118	-0.0246828028632792	309	-0.430490529465012	0.667143893313679	0.000609240757187502	0.806937388815467
CESC	SMARCA	cg17420696	0.0031777713366281	309	0.0554066162432702	0.955850920879838	1.00982306678952e-05	0.976565972442971
CESC	SMARCA	cg18959966	-0.243309205267673	309	-4.37367523972202	1.68044866594322e-05	0.0591993693679868	0.000205774946510919
CESC	SMARCA	cg24447042	-0.373137906537998	309	-7.01234185337412	1.52265426875904e-11	0.13923189729556	6.96374874684542e-10
CESC	SMARCA	cg26010110	-0.296636414052093	309	-5.41579487562546	1.24162889442716e-07	0.0879931621416847	2.64416310465552e-06
CESC	SMARCA	cg27353825	-0.0865075243169571	309	-1.5114937001218	0.131704918203652	0.00748355176344893	0.288681752142232
CESC	SMARCA	cg04518912	-0.0200671501316457	309	-0.349953186544129	0.726616156044086	0.000402690514406009	0.845192752613899
CESC	SMARCA	cg13529335	0.0994578129525139	309	1.74274714742398	0.0823889548605762	0.00989185655729725	0.20730880597806
CESC	SMARCA	cg14290704	0.0176212564552883	307	0.306272342277753	0.759608331861651	0.000310508679063039	0.866180192155704
CESC	SMARCA	cg21210735	-0.215557464484313	309	-3.84885494383892	0.00014466599119168	0.0464650204949058	0.00131920596867489
CESC	SMARCA	cg08405378	-0.0801753956416259	309	-1.40242050184009	0.161810056281303	0.00642809406629124	0.332273559242627
CESC	SMARCA	cg17218495	0.143495571849855	309	2.52809413575108	0.0119745993854586	0.0205909791405168	0.0490600371072451
CESC	SMARCA	cg17747332	-0.0375385917861201	309	-0.654969348677079	0.51298276054836	0.00140914587328496	0.694711038125812
CESC	SMARCA	cg18522266	-0.114966630194307	309	-2.01789161607531	0.0444807769492074	0.0132173260582346	0.132432835622743
CESC	SMARCA	cg23892580	-0.068275963575475	309	-1.19321650405564	0.233714982454044	0.00466160720215958	0.424617012799201
CESC	SMARCA	cg01278696	-0.0303087206306362	309	-0.528693490964386	0.597403866872612	0.000918618546265953	0.758275077989932
CESC	SMARCA	cg01575392	-0.0940945993484488	309	-1.64790673106474	0.100404933188161	0.00885379362654511	0.238894707989963
CESC	SMARCA	cg02782292	0.029489208214325	309	0.514385621085025	0.607356146994019	0.00086961340110781	0.765419958712177
CESC	SMARCA	cg05358385	-0.031526600916607	309	-0.549958446816451	0.582751696203395	0.000993926565355003	0.74787332895257
CESC	SMARCA	cg10878459	-0.12496562718033	309	-2.19606495711389	0.0288424248298521	0.0156164079765733	0.0958793093416594
CESC	SMARCA	cg12253543	0.01840257394807	309	0.320385930556867	0.748896622239424	0.000338654727914185	0.859325552278288
CESC	SMARCA	cg13848802	-0.183039062842223	282	-3.09872816801717	0.00214343431428945	0.0335032985261591	0.0125599826036332
CESC	SMARCA	cg13898584	-0.0193586839253743	309	-0.337593451602301	0.73590256346325	0.000374758643322546	0.851051497870785
CESC	SMARCA	cg16091845	-0.229170479144609	309	-4.10497233477339	5.20068510337613e-05	0.0525191085113695	0.000548929636865349
CESC	SMARCA	cg16587443	-0.112033385534402	282	-1.88655401414492	0.0602549602595351	0.0125514794743	0.165162410712458
CESC	SMARCA	cg19993723	0.052969335550533	309	0.924850284100567	0.355777338869221	0.00280575050914383	0.554578361752704
CESC	SMARCA	cg20045045	-0.129320550931126	309	-2.2738749397938	0.0236705001081371	0.01672380489313	0.0827484615428499
CESC	SMARCA	cg22077701	-0.0165917659311019	309	-0.289327150653132	0.772528252307945	0.000275286696712474	0.873886708933188
CESC	SMARCA	cg24607315	-0.158958471799758	309	-2.80722881578491	0.00531986257668978	0.0252677957569146	0.0260563740660457
CESC	SMARCB	cg01745726	0.0189361304823957	309	0.330221926926354	0.741459730922468	0.000358577037646316	0.854527714648793
CESC	SMARCB	cg01912455	-0.0977343848822226	309	-1.71225458678426	0.0878695169106388	0.00955200998830643	0.217151790036095
CESC	SMARCB	cg03979008	0.144934161543413	309	2.55398016141998	0.0111375721400575	0.0210059111822922	0.0463706870250807
CESC	SMARCB	cg10122452	-0.0892722631892986	309	-1.56275476745791	0.119150651642768	0.0079695369749394	0.269391007727781
CESC	SMARCB	cg16142952	0.145757810778949	309	2.56880836640097	0.0106819917821586	0.0212453394030718	0.0448749794092908
CESC	SMARCB	cg19906397	0.097785047630701	309	1.71315073796925	0.0877043346087418	0.00956191554013847	0.216860689293511
CESC	SMARCC	cg02564102	0.160045351755754	309	2.82692609074493	0.00501134168318217	0.025614514618623	0.0248139720515227
CESC	SMARCC	cg02627110	-0.256236730407078	309	-4.62194814447644	5.6257248156652e-06	0.0656572620097095	7.90262976363052e-05
CESC	SMARCC	cg05592996	-0.482103375039822	307	-9.56275115979033	4.23836137149429e-19	0.232423664224788	5.15186065984417e-17
CESC	SMARCC	cg07143957	0.100409676964572	309	1.75959522071107	0.079482279086262	0.0100821032281296	0.20208001893054
CESC	SMARCC	cg07304068	-0.132100718036199	309	-2.32361821663313	0.020805240004471	0.0174505997056795	0.075049746865799
CESC	SMARCC	cg07474652	0.0653015136895661	309	1.14100618451868	0.254765388516397	0.00426428769014859	0.449018297520211
CESC	SMARCC	cg12894336	-0.128144919124307	309	-2.25285679277329	0.0249810161259921	0.0164211202973753	0.086153884315531
CESC	SMARCC	cg16250355	0.102999407694724	309	1.80545851789821	0.0719921503209935	0.010608877985464	0.188165479843817
CESC	SMARCC	cg20685352	-0.144846068445778	309	-2.55239453791572	0.011187300877855	0.0209803835441989	0.046536503360881
CESC	SMARCC	cg22984439	-0.171772944882003	309	-3.04015070862877	0.0025702840785481	0.0295059445934356	0.0145494200397709
CESC	SMARCD	cg02553054	0.0774513120407284	309	1.35447843857674	0.176589628988995	0.00599870573683028	0.352590051783016
CESC	SMARCD	cg04550398	-0.152747137519081	309	-2.69486071548896	0.00743348883342488	0.0233316880202732	0.0339435397178479
CESC	SMARCD	cg09878554	-0.048645595494749	309	-0.849170270043793	0.396454753369546	0.00236639396103874	0.593088748194887
CESC	SMARCD	cg13349421	-0.0383214845982897	309	-0.668649062975961	0.504226771046976	0.00146853618181695	0.687496987112654
CESC	SMARCD	cg17846064	-0.0767817165632771	309	-1.3404885128205	0.181090770698661	0.00589543199840342	0.358339914934416
CESC	SMARCD	cg18591973	-0.0564883507600258	309	-0.986483208654622	0.324680537089642	0.00319093377158771	0.524054166258242
CESC	SMARCD	cg20405918	-0.0259156790143808	309	-0.452007118059458	0.651586193042435	0.000671622418776417	0.796374322086577
CESC	SMARCD	cg22402853	-0.16908751053226	309	-2.99121181775073	0.00300612051893207	0.028590586217997	0.0164909484274594

CESC	SMARCD	cg25107077	-0.0742997665459525	309	-1.29905133537996	0.194910703036114	0.00552045530878304	0.376437021648248
CESC	SMARCD	cg00945038	0.00689492912149254	309	0.120220054721372	0.904388245380868	4.75400475904058e-05	0.949357680480391
CESC	SMARCD	cg02127607	0.0392074294769621	309	0.684130924673621	0.494413669801346	0.00153722252619096	0.679523992589059
CESC	SMARCD	cg02360836	0.0497859399873985	309	0.869125317446657	0.385464251398361	0.00247863982042885	0.583485818146525
CESC	SMARCD	cg04367190	0.109676586392262	309	1.9238827826658	0.0553027598497023	0.0120289536026593	0.1552359108018
CESC	SMARCD	cg06420487	-0.178448791315725	309	-3.16211547369357	0.00172443351907111	0.0318439711220432	0.0105364892540542
CESC	SMARCD	cg07362569	0.0538561213486893	309	0.940378327252795	0.347770144984441	0.00290048180672474	0.54708466106365
CESC	SMARCD	cg11697258	-0.00648540047275926	309	-0.113079199180866	0.910042402092289	4.20604192920661e-05	0.952265517025831
CESC	SMARCD	cg12577610	-0.126017352505382	309	-2.21484427467064	0.0275120011254976	0.0158803731324657	0.0925361500954196
CESC	SMARCD	cg15868002	-0.155949918934421	309	-2.75275986544865	0.00626481680895488	0.0243203772156525	0.0296757692769796
CESC	SMARCD	cg19016967	-0.118494817127459	309	-2.08068685658164	0.0382996453202834	0.0140410216860699	0.118534476768226
CESC	SMARCD	cg19143629	0.0257911458711059	309	0.449833629736859	0.653150987695347	0.000665183205344663	0.797426637843843
CESC	SMARCD	cg21254277	-0.0868265223490254	309	-1.51961103880011	0.129648094085951	0.00753884498322581	0.285560413520584
CESC	SMARCD	cg23682543	-0.18076365930065	309	-3.20451141214789	0.00149666723404611	0.0326755005237615	0.00938391102485814
CESC	SMARCD	cg24795630	-0.0622576632859177	309	-1.08760929318599	0.277629165121934	0.0038760166378227	0.474412777102797
CESC	SMARCD	cg25945412	-0.00473306795825799	309	-0.0825247840543173	0.934283720690372	2.24019322974884e-05	0.96508219221312
CESC	SMARCD	cg00864064	-0.0716047807447648	309	-1.25168498383139	0.211646925915748	0.00512724462550583	0.397730776498048
CESC	SMARCD	cg02917064	-0.0089658939679468	309	-0.156331986655019	0.875875109689891	8.03872546444648e-05	0.934340215710097
CESC	SMARCD	cg14795305	-0.0111188568066122	307	-0.193237075467635	0.846903198485847	0.000123628976685947	0.918218132219423
CESC	SMARCD	cg19786287	-0.0338997922506395	309	-0.591402991146684	0.554689932518118	0.00114919591463652	0.726346994736731
CESC	SMARCD	cg19902439	-0.0853099341844746	309	-1.49287184812679	0.13650781735685	0.00727778487055938	0.296005383639726
CESC	SMARCD	cg22750243	-0.0831789453650853	309	-1.45531768675115	0.146613169058033	0.00691873695204785	0.31093247024973
CESC	SMARCD	cg22787816	-0.0660672367385203	309	-1.15444389343705	0.249224924943531	0.00436487977026368	0.4427003843595
CESC	SMNDC1	cg03999743	-0.0165986656955411	309	-0.289447501870711	0.772436251616239	0.000275515702872333	0.873833463117974
CESC	SMNDC1	cg08770590	-0.0907726535229603	309	-1.58923623185593	0.113046489129327	0.00823967462759939	0.260056734048758
CESC	SMNDC1	cg11559952	0.131929863732635	309	2.3205596625486	0.0209722205390118	0.0174054889445117	0.0755260126197519
CESC	SMNDC1	cg12486840	0.147132141706863	309	2.59356269322413	0.00995844716445027	0.0216478671232485	0.0424799823825873
CESC	SMNDC1	cg17981675	-0.00277225134207417	309	-0.0483360395254976	0.96148017251362	7.68537750363204e-06	0.979823418084945
CESC	SMNDC1	cg18209001	-0.0211331120553565	309	-0.368550707363681	0.712719163136088	0.000446608425144253	0.836505756872285
CESC	SMNDC1	cg21872391	-0.0209670527315746	309	-0.365653438627415	0.714877991862428	0.000439617300248629	0.837841624521711
CESC	SMNDC1	cg23721301	-0.106454363753257	309	-1.86670262572795	0.0629056629295206	0.0113325315621108	0.170392867059162
CESC	SMNDC1	cg26944434	0.0342652065428417	309	0.597785324650972	0.550428227039732	0.0011741043794236	0.723042340588445
CESC	SMYD1	cg00578637	0.0829944878012512	309	1.45206796616665	0.147513976491894	0.00688808500539203	0.312247603871169
CESC	SMYD1	cg00666842	0.0909787693401711	309	1.59287496591123	0.112227440198501	0.00827713647065207	0.25861362598466
CESC	SMYD1	cg03704645	0.0249216510002474	309	0.434658834673154	0.664118455221023	0.000621088688578133	0.804904904505029
CESC	SMYD1	cg14559139	-0.0252271360165142	309	-0.439990175126052	0.660256871979034	0.000636408391595709	0.802362270350178
CESC	SMYD1	cg16090764	0.0876285756455017	309	1.53375645069847	0.126129603908022	0.00767876726965941	0.280182280247602
CESC	SMYD1	cg18148488	0.0874100051372346	309	1.52990133545761	0.127081022097689	0.00764050899809138	0.281784888640622
CESC	SMYD1	cg19074493	0.000924359322297722	309	0.016116762379068	0.987151812908173	8.54440156718705e-07	0.993204285131626
CESC	SMYD2	cg01770831	-0.0364578737294602	309	-0.636087626078939	0.525197902173496	0.00132917655687326	0.70420245339856
CESC	SMYD2	cg04406444	-0.0106414509940047	309	-0.185550544195744	0.852920979760157	0.000113240479257803	0.921640757793606
CESC	SMYD2	cg11523160	-0.0406496217430922	309	-0.70933666640888	0.478659243345781	0.00165239174785648	0.666132686526685
CESC	SMYD2	cg14013804	0.0222560471924676	309	0.38814358418395	0.698181440793682	0.000495331636633347	0.826915611232685
CESC	SMYD2	cg27570636	-0.0227893263751821	309	-0.397448704214259	0.691315524661908	0.00051935339663457	0.82259066924966
CESC	SMYD5	cg01329511	-0.113827951985742	309	-1.99764187841362	0.0466463292770355	0.0129568026532683	0.13714341643263
CESC	SMYD5	cg05103132	0.0280706497603425	309	0.489621441747081	0.624754917044074	0.000787961377967818	0.777796725983432
CESC	SMYD5	cg06754047	0.0635832887256823	309	1.11086030661542	0.267506313937158	0.00404283460517348	0.463266316120017
CESC	SMYD5	cg08834152	0.0719313701104813	309	1.25742354295703	0.209565422976288	0.00517412200597105	0.395031076205896
CESC	SMYD5	cg15623359	-0.127920570606271	309	-2.24884695155691	0.0252380843189805	0.016363672384234	0.0868402641209593
CESC	SMYD5	cg17895873	-0.0699117448764981	309	-1.22194279699495	0.222675907182987	0.00488765207167655	0.411361628158754
CESC	SMYD5	cg20402064	0.137875633671462	309	2.42712394345126	0.015799906055588	0.0190096903603071	0.0607380462598466
CESC	SMYD5	cg25886337	0.0187260759700137	309	0.326557552372229	0.744227262405782	0.000350665921234725	0.85631651139009
CESC	SMYD5	cg26467949	-0.105408653543695	309	-1.84815878572994	0.0655504932059443	0.01111109842418948	0.175630620577346
CESC	SP100	cg05876232	0.215234471244468	309	3.84280741787471	0.000148108211205193	0.0463258776118859	0.00134727902040421
CESC	SP100	cg09456094	-0.21167868968684	309	-3.77631802903078	0.000191430057238244	0.0448078676675377	0.00167270693842434
CESC	SP100	cg11702456	-0.139193019780951	309	-2.45077082186162	0.014818203610667	0.0193746967557402	0.0578121902196652
CESC	SP100	cg11827097	-0.030876009116941	309	-0.538598405752656	0.590558144924859	0.000953327938989421	0.753449822082405

CESC	SP100	cg23539753	-0.327919707686784	309	-6.05212405513399	4.2018043231118e-09	0.107531334689386	1.2351585989488e-07
CESC	SP100	cg27140170	-0.0530433202414635	309	-0.926145706917986	0.355104906979719	0.00281359382223845	0.554003729901768
CESC	SP140L	cg04002454	-0.230859921674883	309	-4.13693120945416	4.56049378594519e-05	0.0532963034357331	0.000489936202906086
CESC	SP140L	cg05217331	0.161827263799994	309	2.85924214076849	0.00454022124688949	0.026188063308993	0.0229456227948107
CESC	SP140L	cg13278004	-0.275827119261244	309	-5.00330193678805	9.55195156333298e-07	0.0760805997199567	1.6443560962999e-05
CESC	SP140L	cg24044052	-0.357039571943464	309	-6.66445694646571	1.24816100371709e-10	0.127477255933572	4.9015364524567e-09
CESC	SP140L	cg25095994	-0.350198694212529	309	-6.51871782980336	2.94649161637261e-10	0.12263912542816	1.0751377523644e-08
CESC	SP140L	cg26847438	-0.261018594133223	309	-4.71444677850744	3.69669294241375e-06	0.0681307064832842	5.4476327100234e-05
CESC	SSRP1	cg01511567	-0.0236561347228321	309	-0.412574259661272	0.680209371649097	0.000559612710024783	0.815488108278289
CESC	SSRP1	cg01766191	-0.0817212235507243	309	-1.42964004132792	0.153847210385773	0.00667835837862745	0.321186965213505
CESC	SSRP1	cg02688348	0.0605614971309031	309	1.05786753322112	0.290955704833952	0.00366769493473639	0.488522394047618
CESC	SSRP1	cg04937561	-0.0345815530789625	309	-0.603310833474392	0.546751783490272	0.0011958838133531	0.72028057042678
CESC	SSRP1	cg08821673	-0.0637470484412245	309	-1.11373300276879	0.266273548359296	0.00406368618496783	0.462088079349136
CESC	SSRP1	cg09381635	-0.0791465127688464	309	-1.38430918931204	0.167279116035627	0.00626417048346916	0.340041822843836
CESC	SSRP1	cg11948159	-0.0804112083906807	309	-1.40657212118604	0.160575720777762	0.00646596243484947	0.330489116413176
CESC	SSRP1	cg12795368	-0.00850707618531433	309	-0.148331309078283	0.882179647840186	7.23703452227421e-05	0.937468015245737
CESC	SSRP1	cg12911972	-0.0436918718969063	309	-0.762521984173845	0.446339767226731	0.00190897966985567	0.638153238345855
CESC	SSRP1	cg16313264	0.0983807559124323	309	1.72368897168135	0.085780705895184	0.00967877313390159	0.213433897345677
CESC	SSRP1	cg22636253	-0.0293334322024043	309	-0.511666045510432	0.609256212503369	0.00086045024477305	0.766834031120358
CESC	SSRP1	cg26706201	-0.0108787009931087	309	-0.189687857808379	0.849680326524566	0.000118346135297465	0.919822691566618
CESC	STK31	cg00755064	-0.827781641325598	309	-25.7247228055273	2.74253249537169e-78	0.685222445715701	4.44484526968636e-75
CESC	STK31	cg05000488	-0.453782411422924	309	-8.87875158131399	5.99074201802826e-17	0.205918476916803	5.90676533017098e-15
CESC	STK31	cg05407490	-0.454989215029389	309	-8.90851793891637	4.84315222156944e-17	0.20701518579306	4.84277871368603e-15
CESC	STK31	cg11755819	-0.714569158701595	309	-17.8095566008274	4.28992347892669e-49	0.510609082567506	2.36688161077747e-46
CESC	STK31	cg13313214	-0.725387985842008	309	-18.374012122576	3.09360632824696e-51	0.526187730003925	1.91003183094956e-48
CESC	STK31	cg13514718	-0.302572296547394	309	-5.5349721180203	6.72940092469526e-08	0.0915499946379644	1.52270801493817e-06
CESC	STK31	cg13802883	-0.287012868574538	309	-5.2154332707896	3.40418352508808e-07	0.0823763867273848	6.51957294807244e-06
CESC	STK31	cg14898779	-0.454034975177176	309	-8.88497607788295	5.73037479398116e-17	0.206147758684139	5.67883792003784e-15
CESC	STK31	cg17102984	-0.722504851693018	309	-18.220892063617	1.17821412800738e-50	0.52201326071995	7.05061460570813e-48
CESC	STK31	cg17331904	-0.805247217680632	309	-23.6785905133319	5.60460106569367e-71	0.6484230815824	6.60612629249354e-68
CESC	STK31	cg21519371	-0.660765450997122	309	-15.348994489654	9.14449255686554e-40	0.43661098123143	3.68594121227356e-37
CESC	STK31	cg25570411	-0.589081810157349	309	-12.7104695077679	5.65439447563146e-30	0.347017379058259	1.55433909483136e-27
CESC	STK31	cg25612145	-0.573904713983352	309	-12.2189531877964	3.34355080191784e-28	0.329366620732313	8.41774081179275e-26
CESC	SUV39H	cg05903800	0.0272340311800233	309	0.475017750172298	0.635115408989278	0.000741692454314482	0.785058686075896
CESC	SUZ12	cg00160853	-0.0565695501367305	309	-0.987905781509633	0.323984424623371	0.00320011400267207	0.523394129979245
CESC	SUZ12	cg01109633	0.00967911261379225	309	0.168769000752415	0.866090577334896	9.36852209904723e-05	0.928833460251601
CESC	SUZ12	cg07482957	-0.0182693256890437	309	-0.318589749791247	0.750256397456899	0.000333768261132353	0.860059300982195
CESC	SUZ12	cg08177746	0.0545679086651117	309	0.952843675999848	0.341426271542368	0.00297765665608397	0.540614181847855
CESC	SUZ12	cg17335595	-0.10707902672299	309	-1.87778291482368	0.0613680741866815	0.0114659179639428	0.167340879921438
CESC	SUZ12	cg25098644	-0.0601855349548734	309	-1.05127640481982	0.293966604341078	0.00362229861780429	0.491750091777439
CESC	TAF3	cg00194465	-0.0255773080587184	309	-0.446101547699453	0.655841462687333	0.000654198687530581	0.799331506811925
CESC	TAF3	cg02334915	0.120825558866651	309	2.12221345883758	0.0346281889262543	0.0145988156754386	0.109958175000164
CESC	TAF3	cg03672997	0.0399426291154454	309	0.696979742835507	0.486348100398721	0.00159541362065403	0.672824927043162
CESC	TAF3	cg04179819	0.0725018637165366	309	1.26744876282779	0.205964870509279	0.00525652024237125	0.390358496854468
CESC	TAF3	cg04234156	0.012080032364191	309	0.210637930701379	0.833310928158396	0.000145927181919902	0.910590604421767
CESC	TAF3	cg05976695	-0.0495696549289872	309	-0.865340255584242	0.387534421850756	0.00245715068977887	0.585440671381421
CESC	TAF3	cg07855525	-0.141347293666521	309	-2.48946836123441	0.0133278671178112	0.0199790574268499	0.0533371542917727
CESC	TAF3	cg09871669	0.0490711861603312	309	0.856617346953492	0.392331127677633	0.00240798131118188	0.58935733453775
CESC	TAF3	cg09994553	-0.0205589778095117	284	-0.343475228230686	0.731499658441009	0.000422671568571996	0.848258719088332
CESC	TAF3	cg11104088	0.0678749822911069	309	1.18617627357399	0.236478927822928	0.00460701322101807	0.427838826741479
CESC	TAF3	cg12176426	0.0219101210932423	309	0.382107741816043	0.702648425944055	0.000480053406320539	0.82986482165016
CESC	TAF3	cg12590721	-0.0302823086335289	309	-0.528232347335864	0.597723464975803	0.000917018216176301	0.758466394283322
CESC	TAF3	cg12777293	0.0232184379035586	309	0.404936462293387	0.685809005773633	0.000539095858681408	0.8191581994857
CESC	TAF3	cg27268107	-0.0890845375082435	309	-1.55687523623683	0.120543953818731	0.00793605482305765	0.271507465281981
CESC	TCEA1	cg01677098	-0.0941287351492896	309	-1.64850990478948	0.100281106730005	0.00886021878080512	0.238717541634817
CESC	TCEA1	cg06047473	0.0470998301476058	309	0.822126005484201	0.411649526121217	0.00221839399993331	0.607329235052323
CESC	TCEA1	cg11530293	0.0617764495706023	309	1.07917040656244	0.281367250985417	0.00381632972154917	0.478556241351135

CESC	TCEA1	cg11787876	-0.0410965966959272	309	-0.717149511362795	0.473832495405715	0.0016889302599877	0.661806979561065
CESC	TCEA1	cg12850379	-0.112961211119959	309	-1.98223350189047	0.0483532888742503	0.012760235217688	0.140710216040612
CESC	TCEA1	cg23569945	0.0410208066096097	308	0.714646404334317	0.475377780952231	0.001682706574903	0.663155669967325
CESC	TCEA1	cg26181865	-0.120744738068592	309	-2.12077289054269	0.0347503035827825	0.0145792917712529	0.110246935969943
CESC	TCEA1	cg26358945	0.00212183238820749	308	0.0369345971258496	0.970561475326138	4.50217268364628e-06	0.984417781346844
CESC	TDRD1	cg00337703	-0.282818471427414	309	-5.14099773276962	4.90170036384181e-07	0.0799862877805392	9.05758755118836e-06
CESC	TDRD1	cg02635786	-0.714935097554168	309	-17.6513948858732	3.15029682728647e-48	0.511132193714788	1.70190410681892e-45
CESC	TDRD1	cg16550453	-0.867122991769567	309	-30.3533136358586	5.06126555440164e-94	0.751902282855404	1.12496026439749e-90
CESC	TDRD1	cg23504215	-0.680237640936288	309	-16.1807417810025	6.5457014451594e-43	0.462723248146566	2.92653044956742e-40
CESC	TDRD1	cg23825092	-0.283369348840635	309	-5.15188479520671	4.64704800895647e-07	0.0802981878623655	8.64242057874156e-06
CESC	TDRD1	cg24203376	-0.640184822115515	309	-14.5296793914356	1.09548146492429e-36	0.409836606467073	3.96380860848003e-34
CESC	TDRD1	cg26600802	-0.832394395505457	309	-26.1885946409837	6.45548445132098e-80	0.692880429668896	1.09173469001318e-76
CESC	TDRD1	cg27547703	-0.8375801084808	307	-26.6432425060959	2.79032703325645e-81	0.701540438122709	4.93342502784437e-78
CESC	TDRD3	cg01557749	-0.104763984318707	309	-1.83672979896716	0.067225983269613	0.0109754924103303	0.178984108589811
CESC	TDRD3	cg03447530	-0.24536798043994	309	-4.41304359906435	1.41729409108076e-05	0.0602054458251747	0.000177490303479614
CESC	TDRD3	cg05666423	-0.370074709759883	309	-6.9455965337675	2.29292837936803e-11	0.136955290803862	1.0169673337774e-09
CESC	TDRD3	cg10765900	0.00607561325216375	309	0.105933891935839	0.915704670199609	3.69130763898678e-05	0.955461313002245
CESC	TDRD3	cg18522102	-0.127697148998042	309	-2.24485402603762	0.0254963514064013	0.0163065618622281	0.087465853565709
CESC	TDRD3	cg19937698	-0.0897939175045004	309	-1.57196059267354	0.116999862218321	0.00806294762080502	0.266098151773485
CESC	TDRD3	cg20944895	-0.322421382304006	309	-5.93876102591339	7.84038930228071e-09	0.103955547766826	2.19243438311152e-07
CESC	TDRD3	cg22045829	0.0978484996720619	309	1.71427313232752	0.0874978053815034	0.0095743288880735	0.216466982726941
CESC	TDRD3	cg23103367	-0.19743234411004	309	-3.51146848198907	0.000513191453127554	0.0389795305007854	0.00383177041027017
CESC	TDRD3	cg23767211	0.0317553272571773	309	0.553952423216188	0.580018638023491	0.00100840080921043	0.745928649326338
CESC	TDRD3	cg26737458	-0.117222175857779	309	-2.05802709904948	0.0404397887837805	0.013741038512832	0.123347301652438
CESC	TDRD5	cg05378938	-0.393182408822281	309	-7.45586092863098	9.37911722463432e-13	0.154592406607292	5.30260934137501e-11
CESC	TDRD5	cg07171496	-0.397298963771834	309	-7.54846397240707	5.16693529361812e-13	0.157846466614173	3.05518503941204e-11
CESC	TDRD5	cg07901138	-0.392647417097448	309	-7.44386530966051	1.01286028051353e-12	0.154171994153297	5.70560844766617e-11
CESC	TDRD5	cg09656934	-0.43388044464446	309	-8.39646184837872	1.7736327759505e-15	0.188252240244875	1.46629105390323e-13
CESC	TDRD5	cg11853788	-0.498473126499336	309	-10.0255211544458	1.26378660306579e-20	0.248475457842023	1.76508105922621e-18
CESC	TDRD5	cg12277666	-0.362531313905467	309	-6.78234133502326	6.17007577503351e-11	0.131428953562024	2.54234573539702e-09
CESC	TDRD5	cg13848905	-0.317044086721562	309	-5.82854237214557	1.42584107970914e-08	0.10051695292511	3.77028827175026e-07
CESC	TDRD5	cg15545772	-0.383008432468478	309	-7.22924759467932	3.95235699308382e-12	0.146695459341961	2.0254918308298e-10
CESC	TDRD7	cg24339935	-0.0809164007560033	309	-1.41546712498213	0.157955200554892	0.00654746391130613	0.326932965552917
CESC	TDRD9	cg07613153	0.352677334655352	308	6.56056663366044	2.31581311488338e-10	0.124381302379603	8.61579940025048e-09
CESC	TDRD9	cg08933517	0.247762241517361	309	4.45890715182908	1.16044961453282e-05	0.0613861283217072	0.000149191897724287
CESC	TDRD9	cg16701547	0.23589331556117	309	4.23238274618569	3.06562039686308e-05	0.0556456563264418	0.000347294121382797
CESC	TRIM24	cg00733782	-0.198558026451697	309	-3.53230881523485	0.000475870232596613	0.0394252898683929	0.00359450906637741
CESC	TRIM24	cg02308366	-0.177490825984126	309	-3.14458655560692	0.00182764492236973	0.0315029922435824	0.0110439497507248
CESC	TRIM24	cg06386929	-0.17746442044607	309	-3.14410357255409	0.00183056788651235	0.0314936205242593	0.0110564594847315
CESC	TRIM24	cg06650216	-0.177757757819343	309	-3.14947000291229	0.00179833194707596	0.03159782046496	0.0108984051880111
CESC	TRIM24	cg10571650	0.113145151571135	309	1.98550309566504	0.0479867370993805	0.0128018253240551	0.140024913159334
CESC	TRIM24	cg10703331	-0.087196249044313	309	-1.52613135153855	0.128016849325458	0.00760318584739785	0.283037082260692
CESC	TRIM24	cg13935558	0.0715745865125366	309	1.25115445613607	0.211840115814	0.00512292143444059	0.397959237150379
CESC	TRIM24	cg26889928	-0.157552930483415	309	-2.78177202888501	0.00574410757491898	0.0248229259039117	0.0277000436823238
CESC	TRIM33	cg00760200	-0.114405425077968	309	-2.00791039630339	0.0455372971559128	0.0130886012872705	0.134768640909499
CESC	TRIM33	cg02852257	-0.0356126840600987	307	-0.619275292319838	0.536201902857374	0.00126826326596441	0.712400428178735
CESC	TRIM33	cg05792124	-0.030062338590198	309	-0.524391795268418	0.600388207484958	0.000903744201511711	0.760516267360002
CESC	TRIM33	cg16036305	-0.0890345658706394	309	-1.55856046601536	0.120140850698489	0.00792715391977322	0.270935600147241
CESC	TRIM33	cg17645130	-0.0118875807878162	308	-0.206940495153902	0.836195328668031	0.000141314576986858	0.912304771098407
CESC	TRIM33	cg18199720	0.0974383103385807	309	1.70701772230527	0.0888398459981314	0.00949422432163756	0.218847592766898
CESC	TRIM33	cg20932765	-0.224065016327835	309	-4.00862967404612	7.68931411430821e-05	0.0502051315419931	0.000767786551416369
CESC	TRIM33	cg20992663	-0.135338297015733	309	-2.38161602254632	0.0178520762702042	0.0183164546391189	0.0667241343339254
CESC	TRIM33	cg21666217	0.0816847344797954	309	1.42899740866471	0.154031692343148	0.00667239584703467	0.32145996013904
CESC	TRIM33	cg21813112	-0.153748827418525	308	-2.70849381671786	0.00714315753805916	0.0236387019325714	0.0329261597153389
CESC	TRIM66	cg06492264	-0.16111911116595	309	-2.84639594652947	0.00472244874160703	0.0259593679829057	0.0236974522965471
CESC	TRIM66	cg11245569	0.0718795142375877	287	1.21019268336521	0.227218374055604	0.00516666456703157	0.416823311983437
CESC	TRIM66	cg12608775	-0.0566803020483035	309	-0.989846131846688	0.323036522545024	0.00321265664028692	0.522459526712425

CESC	TRIM66	cg13143389	-0.0326920037437061	309	-0.570309407765067	0.56888912193412	0.00106876710877849	0.737234055501298
CESC	TRIM66	cg27044202	-0.108193953307143	309	-1.89756511299913	0.0587007181226552	0.0117059315322282	0.162049810703827
CESC	UBE2A	cg00142683	-0.130718209815409	309	-2.29887522098873	0.0221900901016232	0.0170872503773453	0.0787270159001189
CESC	UBE2A	cg00428314	-0.206854389970977	309	-3.68635906038552	0.000269327203741108	0.0427887386502649	0.00223066220052047
CESC	UBE2A	cg00935924	-0.214872791338986	309	-3.83603711600701	0.000152053733733426	0.0461703164578075	0.00137785301829449
CESC	UBE2A	cg05206294	-0.150374973998447	309	-2.65203344285789	0.00842067029579987	0.0226126328050335	0.0373689460919256
CESC	UBE2A	cg06206449	-0.149039830499925	309	-2.62794929644762	0.00902617960185052	0.0222128710754465	0.0394351688164865
CESC	UBE2A	cg06273903	-0.0878724025932583	309	-1.53805729883367	0.125074770849699	0.00772155913751167	0.278519986683439
CESC	UBE2A	cg09080960	-0.235002967396305	309	-4.21547251615032	3.29084068801415e-05	0.0552263946850689	0.00036936612391195
CESC	UBE2A	cg14625604	-0.125656670152945	309	-2.20840317843209	0.0279622014422093	0.0157895987539259	0.0937140918057571
CESC	UBE2A	cg15661671	-0.21354066618363	309	-3.81111525123645	0.000167450987655783	0.0455996161141483	0.00149594420460427
CESC	UBE2A	cg16211147	-0.143562679131587	309	-2.52930130091927	0.0119343532947537	0.0206102428394391	0.0489338048917972
CESC	UBE2A	cg17976175	-0.149250833390682	309	-2.63175451569788	0.00892798415192259	0.022275811267813	0.0391071846348348
CESC	UBE2A	cg18990292	-0.172778739289268	309	-3.05849803998746	0.00242243867091562	0.0298524927503888	0.0138720054446234
CESC	UBE2A	cg25165659	-0.153486808044215	309	-2.70822451490314	0.00714753702626378	0.0235582002436018	0.032942854512707
CESC	UHRF2	cg06523306	0.35465239324407	309	6.61346257820537	1.68834119856864e-10	0.125778320033746	6.46372122054375e-09
CESC	UHRF2	cg08487038	0.035174352118556	309	0.613665526899502	0.539895274131889	0.00123723504696016	0.71515968185762
CESC	UHRF2	cg13428749	-0.0130463699342566	309	-0.227490593650924	0.820195200921675	0.000170207768461475	0.903333308283207
CESC	UHRF2	cg14078101	0.0483110832549985	309	0.843317228612223	0.399714103061034	0.00233396076527139	0.596359152574318
CESC	UHRF2	cg20595300	0.311759361919194	309	5.72083014184695	2.53732459394508e-08	0.0971938997442629	6.36737514391496e-07
CESC	UHRF2	cg24119045	0.0475975586730965	309	0.830833464578366	0.406719758432216	0.00226552759163886	0.602914630375499
CESC	USP27X	cg00478198	-0.124856419105016	309	-2.19411539998059	0.028983679544944	0.0155891253917273	0.0962666026180246
CESC	USP27X	cg01125381	-0.164830601935038	309	-2.91377467414576	0.00383578949768088	0.0271691273342668	0.0200806177465036
CESC	USP27X	cg01290688	-0.116577171970969	309	-2.04654654535554	0.0415624401558191	0.0135902370247489	0.125853741367864
CESC	USP27X	cg01855997	-0.171812936368443	309	-3.04088003116015	0.00256425226483141	0.0295196851035466	0.0145298625506536
CESC	USP27X	cg06455206	-0.249950728247079	309	-4.50090508273623	9.649067670132e-06	0.0624753665512451	0.000126797224717947
CESC	USP27X	cg06624970	-0.124532672640556	309	-2.18833642922364	0.029405914990954	0.015508386555	0.0972496599416008
CESC	USP27X	cg16810342	-0.176756712659328	309	-3.13116004410465	0.00191052712256079	0.0312429354701322	0.0114619840342789
CESC	USP27X	cg16867483	-0.120820917458686	309	-2.12213072816703	0.0346351918892914	0.0145976940955586	0.109974931120002
CESC	USP27X	cg19318186	-0.194383908782422	309	-3.45510352602824	0.000628325286846936	0.0377851039935328	0.00454954965021823
CESC	USP51	cg00834229	-0.0997063535089347	309	-1.74714586812698	0.0816218462272885	0.00994135693004865	0.205924757755981
CESC	USP51	cg01084827	-0.0942276901724064	309	-1.65025845617299	0.0999228352442822	0.00887885759522702	0.238119070148375
CESC	USP51	cg02714202	-0.152669862542535	309	-2.69346483847335	0.00746394413618584	0.0233080869287565	0.0340457385007588
CESC	USP51	cg03728850	-0.0628792747616312	309	-1.09851141711366	0.272850486582906	0.00395380319454871	0.469146967649161
CESC	USP51	cg07386410	-0.129008720621184	309	-2.26829903774331	0.0240121901778513	0.0166432499963147	0.0835983138373581
CESC	USP51	cg12064531	-0.157059761314185	309	-2.77284399893138	0.0059000094686783	0.0246677686240689	0.0282992377215833
CESC	USP51	cg12517811	-0.0665371574747854	309	-1.16269156678723	0.245866563099628	0.00442719332482439	0.438862478713546
CESC	USP51	cg18770944	-0.0588100719010428	309	-1.02716647125003	0.30515867436376	0.00345862455700582	0.503713507892261
CESC	USP51	cg21331369	-0.124401210703989	309	-2.1859899730849	0.0295788669396918	0.0154756612246182	0.0976426604275136
CESC	USP51	cg25424556	-0.0828651809803573	309	-1.44978996521241	0.148147958112197	0.00686663821890737	0.313097181157218
CESC	WDR82	cg01736403	-0.0203387910638189	309	-0.354692309261563	0.723066039669786	0.000413666421937678	0.843061472869637
CESC	WDR82	cg03869063	-0.0111404645812548	309	-0.193932934160913	0.846358344041231	0.000124109951086193	0.917896750258313
CESC	WDR82	cg10989431	0.220715146074865	309	3.94560535348652	9.89073230463068e-05	0.0487151757068489	0.000954911398937764
CESC	WDR82	cg11442381	-0.2283582073351	309	-4.08962069856815	5.53781020962863e-05	0.0521474708573006	0.000580135210675801
CESC	WDR82	cg11665333	0.0459838211882947	309	0.802604325599983	0.422830475730587	0.00211451181107706	0.617884026391639
CESC	WDR82	cg12661343	-0.0970834320045897	309	-1.70074135942229	0.0900141933438036	0.00942519276978979	0.220803561738912
CESC	WDR82	cg13539115	0.00204211522956021	309	0.0356055699087407	0.971620234904668	4.17023461080177e-06	0.984960826799615
CESC	WDR82	cg15991175	-0.269811271182426	309	-4.88550799790577	1.67137286261559e-06	0.0727981220570768	2.69477265231746e-05
CESC	WDR82	cg17632831	0.0607398037464644	309	1.06099364856355	0.28953497361646	0.00368932375915901	0.487017746059783
CESC	WDR82	cg24007312	-0.0278874385680751	309	-0.48642329078102	0.627017553974818	0.00077770922988816	0.779478468374141
CESC	WDR82	cg26236504	0.118606949112896	309	2.08268389682418	0.0381157582308929	0.0140676083778691	0.11816279970567
CESC	WDR82	cg26858096	-0.192131267235011	309	-3.4135195911145	0.000728291076075136	0.0369144238493314	0.00515435552876539
CESC	ZMYND1	cg00614684	-0.244663229636127	309	-4.39956007997143	1.5026308214671e-05	0.05986009593598	0.000186793963127535
CESC	ZMYND1	cg02813021	-0.126332878433415	309	-2.22047969543731	0.027123280603262	0.015959996173272	0.0915731486524679
CESC	ZMYND1	cg02867818	-0.376236427402976	309	-7.08012792842622	1.00195946916993e-11	0.141553849304955	4.75283139906129e-10
CESC	ZMYND1	cg03254875	-0.340490059868944	309	-6.31391539072378	9.6278629300802e-10	0.115933480869557	3.19534969617175e-08
CESC	ZMYND1	cg05236965	-0.0735848211991771	309	-1.28648290134126	0.199253432561217	0.00541472591091487	0.38199816483482

CESC	ZMYND1	cg08828193	-0.289928994887184	309	-5.28195442676091	2.44026522327366e-07	0.0840588220762928	4.83786933688458e-06
CESC	ZMYND1	cg12639781	-0.131063645138743	309	-2.30505625365932	0.0218367973079216	0.0171776790770544	0.07784675143307
CESC	ZMYND1	cg13939078	-0.0355964013980752	309	-0.621038050343755	0.535039948319532	0.00126710379249289	0.71156334284246
CESC	ZMYND1	cg14255089	0.110109099710121	309	1.93156260673946	0.0543428136694882	0.0121240138389734	0.153338036939595
CESC	ZMYND1	cg14694828	-0.150290627392253	309	-2.65051150867895	0.00845782496349053	0.0225872726819569	0.0374996030553848
CESC	ZMYND1	cg17632565	-0.341472737675927	309	-6.3345391294492	8.55623267305108e-10	0.116603630575892	2.86604183214581e-08
CESC	ZMYND1	cg22593633	-0.155321054546673	309	-2.74138444245139	0.00648037679230544	0.0241246299854906	0.0304723423706848
CESC	ZMYND1	cg24757747	-0.329736831732871	309	-6.08973964861193	3.409669087054e-09	0.108726378201232	1.01941505364442e-07
CHOL	ACTL6A	cg03667091	0.131940245122464	36	0.776122338582986	0.443042486269414	0.017408228282976	0.635318841969452
CHOL	ACTL6A	cg03839554	-0.336271931495971	36	-2.08203277534795	0.0449365629155372	0.113078811912031	0.133422196689107
CHOL	ACTL6A	cg07261848	-0.308481612393277	35	-1.86294731859701	0.0713911960189394	0.095160905184756	0.187040942413948
CHOL	ACTL6A	cg10112003	0.133119046550725	36	0.783181024601253	0.438942386298244	0.0177206805545741	0.631686627073009
CHOL	ACTL6A	cg20132173	-0.183767481525059	36	-1.0901040991944	0.283333151758995	0.0337704872660629	0.48067034211312
CHOL	ACTL6A	cg22619386	-0.011893952415026	36	-0.0693579704460446	0.945111008580992	0.000141466104050903	0.970651851578936
CHOL	ACTL6A	cg25198545	0.113914056740667	36	0.66857943077023	0.508277901255072	0.0129764123231158	0.690816783434729
CHOL	ACTL6A	cg25575835	0.00998388650652199	36	0.0582184635651415	0.95391544078783	9.96779897751118e-05	0.975563901850235
CHOL	ACTL6B	cg05729836	0.154220915875037	36	0.910143341097123	0.369154349407499	0.0237840908933352	0.567852282004369
CHOL	ACTL6B	cg08572611	-0.418283449865046	36	-2.68517696142138	0.0111256681904614	0.174961044431004	0.0463310439060409
CHOL	ACTL6B	cg09375063	-0.231285296571171	36	-1.38619887549876	0.174710451418716	0.0534928884100145	0.350141042781966
CHOL	ACTL6B	cg14088161	-0.0741074670180349	36	-0.433308560621032	0.667527364774245	0.00549191666782913	0.807165496735092
CHOL	ACTL6B	cg16024950	-0.239013859456333	35	-1.41401363995609	0.166723360439418	0.0571276250122117	0.339246628531704
CHOL	ACTL6B	cg20497359	0.128641008065329	36	0.756384153456023	0.454628272169523	0.0165485089560641	0.644907127972791
CHOL	ACTL6B	cg24471254	-0.648116022958672	36	-4.96247783735754	1.92120204919162e-05	0.420054379215766	0.000231251728631924
CHOL	ACTL6B	cg26990587	-0.421331587829231	36	-2.70894935947877	0.0104927002199481	0.177520306902701	0.0442446268584013
CHOL	AEBP2	cg02664216	-0.207771554004444	36	-1.23853399670105	0.224001374726395	0.0431690186534214	0.413064757993343
CHOL	AEBP2	cg07849438	-0.2087295798068	36	-1.24450434373034	0.221824766116359	0.0435680374863235	0.410296129370839
CHOL	AEBP2	cg08161947	-0.531633983500333	36	-3.66000777504714	0.000847813199421526	0.282634692412432	0.00585016675854162
CHOL	AEBP2	cg24304000	0.0779366846545974	33	0.43525701199249	0.666391362912422	0.00607412681495016	0.806428399881916
CHOL	AEBP2	cg26259627	-0.190257233468528	36	-1.13002143774635	0.266376351987631	0.0361978148870979	0.462117314109146
CHOL	AFF4	cg00931577	0.165742511286857	36	0.979990801713877	0.334012819738957	0.027470580047674	0.533600158098662
CHOL	AFF4	cg01907658	-0.0166759929975553	36	-0.0972504360334701	0.923098546020239	0.000278088742454512	0.959610982829976
CHOL	AFF4	cg05619425	0.193927191299212	36	1.15266235248687	0.257088928555908	0.0376077555252011	0.45152578443028
CHOL	AFF4	cg06638012	-0.178943608748779	36	-1.06052922477402	0.296379769655292	0.032020815112036	0.494331577310079
CHOL	AFF4	cg13393914	-0.0653624520078571	36	-0.381942062673899	0.704881221865954	0.00427225013247942	0.831604843636347
CHOL	AFF4	cg13565585	0.0339629506097056	36	0.198150645789666	0.844107234305197	0.0011534820141173	0.916678944644693
CHOL	AICDA	cg07999668	0.108530306606386	36	0.636595275627227	0.528651449490135	0.0117788274520761	0.707043820473052
CHOL	AIRE	cg08089567	0.0673553851213342	36	0.393639948151297	0.696304702069314	0.00453674790484324	0.825905573382327
CHOL	AIRE	cg09510531	0.169548534381696	36	1.00315316113003	0.322873303590469	0.0287467055109811	0.522254455006837
CHOL	AIRE	cg11923631	0.259016405584042	36	1.56367588984561	0.127154787698763	0.0670894983616771	0.281890634185207
CHOL	AIRE	cg12843033	0.120628705174465	36	0.708554255640556	0.483431206560235	0.014551284512068	0.670309083561806
CHOL	AIRE	cg15955655	0.0723601811510743	36	0.423037700749488	0.674931622648241	0.00523599581621629	0.812061578302013
CHOL	AIRE	cg16501323	0.23630496317311	36	1.41804336251214	0.165278963682009	0.0558400356202449	0.337259773734591
CHOL	AIRE	cg16717549	0.273602482191762	36	1.65865234659447	0.106384596862813	0.0748583182614933	0.248927221353676
CHOL	AIRE	cg17356252	0.23633934884034	36	1.41826191419241	0.165215644749323	0.0558562878102761	0.337164980702165
CHOL	AIRE	cg18689454	0.337709223149796	36	2.09207459689002	0.043971836582653	0.114047519400439	0.131314589447636
CHOL	AIRE	cg18876487	0.105207439777512	36	0.616883037528558	0.541421062860314	0.0110686053845389	0.716412269767235
CHOL	AIRE	cg23272544	0.144181404401388	36	0.849591987622875	0.401494900258317	0.0207882773751566	0.59805258435828
CHOL	AIRE	cg27251412	0.212013274996437	36	1.26499664692296	0.214474275930251	0.0449496287747149	0.401248647726799
CHOL	ARID1A	cg04081153	-0.00296967076074292	36	-0.0173160837043789	0.986285672550603	8.81894442721145e-06	0.992812561828328
CHOL	ARID1A	cg04360147	-0.23756835124591	36	-1.42607703779351	0.162963953025342	0.0564387215137001	0.333744085452566
CHOL	ARID1A	cg14851949	-0.0803039312330289	36	-0.469765503271615	0.64152163897344	0.00644872137147903	0.789435514921379
CHOL	ARID1A	cg17385674	-0.213541896725069	36	-1.27455144981031	0.211110360475592	0.04560014165694	0.397000565239756
CHOL	ARID1A	cg20413923	0.106453282647537	36	0.624271263602937	0.536616164848948	0.0113323013864364	0.712709233405478
CHOL	ARID1A	cg21294655	-0.05511449370747	36	-0.321859174215951	0.749529956809542	0.00303760741663075	0.859658746535966
CHOL	ARID1A	cg24542126	0.134743569157213	36	0.792914249274964	0.433326257414196	0.0181558294292247	0.626886280903038
CHOL	ARID1A	cg25601319	-0.0459739892929605	34	-0.260343434174543	0.79626684519117	0.00211360769150925	0.888456403236562
CHOL	ARID2	cg00035453	-0.0285678741237887	26	-0.140010573895366	0.889820031668216	0.000816123431952635	0.941561494900599

CHOL	ARID2	cg01183821	0.233046753099558	36	1.39735996999356	0.171358136682293	0.0543107891302462	0.345496446326517
CHOL	ARID2	cg01353809	0.0623679679741737	36	0.364373975797122	0.71783522346371	0.00388976342922755	0.839735844184837
CHOL	ARID2	cg01751433	0.188370691438741	36	1.11840207352729	0.271235283090167	0.0354835173931094	0.467548805954275
CHOL	ARID2	cg06613666	-0.137454138178137	36	-0.809168992592814	0.424044547763549	0.0188936401022943	0.619065091836986
CHOL	ARID2	cg07276957	0.196455620163881	36	1.16829006919235	0.250816739006796	0.0385948106939753	0.444430507789248
CHOL	ARID2	cg23465749	0.148833570281177	25	0.721820173831167	0.477679888980608	0.022151431642642	0.665388720873754
CHOL	ARID4A	cg02136725	-0.0359842306685105	36	-0.209958295842933	0.834953331121962	0.00129486485680457	0.911640132509501
CHOL	ARID4A	cg06154646	-0.053487427644501	36	-0.312329710377561	0.756697514968159	0.00286090491602573	0.864325619749879
CHOL	ARID4A	cg08066755	-0.175895163174172	36	-1.04188028993891	0.304819321421826	0.0309391084280686	0.503334910228594
CHOL	ARID4A	cg08790491	-0.303112701971065	36	-1.85469000263602	0.0723300493587061	0.0918773100961995	0.188797902251049
CHOL	ARID4A	cg10064886	0.150178930215523	36	0.885731344419305	0.381984132330147	0.0225537110806789	0.58046084980495
CHOL	ARID4A	cg10242170	0.025256684747043	36	0.14731750820732	0.883751547248613	0.000637900124411514	0.938420570918875
CHOL	ARID4A	cg10844118	-0.28302475639098	36	-1.7206569203423	0.0944033558716002	0.0801030127301736	0.228529209194525
CHOL	ARID4A	cg12203852	0.0880612602044114	36	0.515483594448891	0.609550916436067	0.00775478554878905	0.767043625842794
CHOL	ARID4A	cg14272338	-0.189769517796353	36	-1.12701631891048	0.26762698073962	0.0360124698846602	0.46337213370853
CHOL	ARID4A	cg14460816	-0.327702649448835	36	-2.02249892909951	0.0510476397373991	0.107389026455786	0.14648469515792
CHOL	ARID4A	cg17323045	0.063342133140266	36	0.370088116012645	0.713612314671618	0.00401222583075919	0.837061510043031
CHOL	ARID4A	cg19548283	-0.228235280241857	36	-1.36690707559113	0.180625176370945	0.052091343147079	0.357770433642952
CHOL	ARID4A	cg20996579	0.0239590270426011	36	0.139744048876277	0.889686766772852	0.000574034976828092	0.941510125344532
CHOL	ARID4A	cg26429530	-0.0890172956389264	36	-0.52112439060806	0.605658016674397	0.00792407892286802	0.764279551712728
CHOL	ARID4A	cg27026909	-0.410235160824814	36	-2.62293260209305	0.0129545150752945	0.168292887176961	0.0522005358835317
CHOL	ARID4B	cg05652840	0.166477236995502	36	0.984458586790199	0.331844193574386	0.0277146704376567	0.531587570679854
CHOL	ARID4B	cg06212607	-0.351361088200869	22	-1.67834584360773	0.108837661764862	0.123454614301699	0.25299300981073
CHOL	ARID4B	cg06891548	-0.132644332994822	34	-0.757039082943951	0.454564800136273	0.0175945190756414	0.644840607264925
CHOL	ARID4B	cg07814876	-0.152223521732235	36	-0.898074104632217	0.375462020412311	0.0231720005685642	0.574040037493458
CHOL	ARID4B	cg10107779	0.273495170990474	36	1.65794919094312	0.106527382386664	0.0747996085551084	0.24912644477343
CHOL	ARID4B	cg11732257	-0.196041503156264	36	-1.16572884408955	0.251836975358398	0.0384322709597675	0.44563395721473
CHOL	ARID4B	cg22596515	0.333985951811192	36	2.06609523165089	0.0465059813747423	0.111546616007228	0.136785363849614
CHOL	ARID4B	cg23687319	-0.200686818351556	36	-1.19449668105268	0.240550461998995	0.0402751990600706	0.432624110120762
CHOL	ARID4B	cg26020585	0.287231664719808	36	1.74851441726828	0.0893999929624886	0.0825020292177124	0.219823726295083
CHOL	ASH1L	cg03119126	-0.0452671587799023	36	-0.26422147426416	0.793204322317735	0.00204911566400489	0.88674106240136
CHOL	ASH1L	cg08095278	0.319284109189835	36	1.96455708362537	0.0576810900018929	0.101942342381147	0.159938790832879
CHOL	ASH1L	cg09410084	0.216397141872855	36	1.29242478432876	0.204925032669025	0.0468277230107406	0.389118128338185
CHOL	ASH1L	cg10558228	-0.485339023574478	15	-2.0014441367376	0.0666677145221922	0.235553967804228	0.177858305333999
CHOL	ASH1L	cg17038116	-0.326435675861934	36	-2.01374483534279	0.0520050117048543	0.106560250475437	0.148492489651952
CHOL	ASH1L	cg20064047	-0.359574002336865	36	-2.24694188624992	0.0312459436056478	0.129293463156551	0.101760243515626
CHOL	ASH1L	cg21852905	-0.077015357793243	36	-0.450410608028823	0.655273499480918	0.00593136533602124	0.799076039050607
CHOL	ASH1L	cg23821590	-0.264967797618799	36	-1.60228451824492	0.118344010734433	0.0702079337749567	0.268179788635746
CHOL	ASH1L	cg24312492	-0.113320367329239	36	-0.665049526651623	0.510505114493357	0.0128415056516336	0.692822006955233
CHOL	ASH1L	cg26185843	-0.218877855901495	36	-1.30798184472991	0.199654168410722	0.0479075158040358	0.382493076990266
CHOL	ASH2L	cg00590869	0.0650479636323544	36	0.380096538606171	0.706237923130376	0.00423123757271611	0.8325021112784
CHOL	ASH2L	cg01642070	-0.312352096219094	36	-1.9172362731846	0.0636417835539679	0.0975638320124623	0.171834861707215
CHOL	ASH2L	cg02897270	-0.312635228878305	36	-1.9191623275987	0.063389168366944	0.0977407863357904	0.171320767229643
CHOL	ASH2L	cg03189282	-0.277570439290313	36	-1.68469966639289	0.101206008152022	0.0770453487678172	0.240308280626877
CHOL	ASH2L	cg03705346	-0.183854167382602	36	-1.09063630303292	0.283102155424568	0.0338023548639499	0.480435616131821
CHOL	ASH2L	cg10062221	-0.096784084536541	36	-0.567005203258995	0.574435299498625	0.00936715901957631	0.741653992916588
CHOL	ASH2L	cg21453287	-0.275906092858495	36	-1.67376293935132	0.10335428756112	0.0761241720764407	0.243824097723489
CHOL	ASH2L	cg24318412	-0.176017944743067	36	-1.04263080698086	0.304476488910131	0.0309823168715734	0.503046425227769
CHOL	ASH2L	cg27255459	0.0193395087009294	36	0.112788839326583	0.910861287269931	0.000374016596793326	0.952746161049252
CHOL	ASXL1	cg00174466	-0.1807486938483	36	-1.07158670807025	0.291453528779124	0.0326700903278665	0.489049993914049
CHOL	ASXL1	cg04218270	-0.0878305162257693	36	-0.514122375496537	0.610492076310397	0.00771419958048513	0.767706392908378
CHOL	ASXL1	cg09065199	-0.158939463237613	36	-0.93870081914863	0.354505468273572	0.0252617529742605	0.553477536834774
CHOL	ASXL1	cg10421984	-0.145882507982031	36	-0.859832440426139	0.39590380843668	0.0212817061351274	0.592617822892057
CHOL	ASXL1	cg12592359	-0.230642565559712	36	-1.38212994109772	0.175945228784509	0.0531959930479662	0.351772889438758
CHOL	ASXL1	cg16926526	-0.200330117273018	36	-1.19228473135828	0.24140485290301	0.0401321558866213	0.433664683679408
CHOL	ASXL1	cg18793288	0.0667327251880477	36	0.389984630105395	0.698980375801619	0.0044532566110235	0.827349769345842
CHOL	ASXL1	cg24727216	-0.297480342739685	36	-1.8168459197018	0.0780648689726573	0.0884945543165205	0.199356556017886

CHOL	ASXL2	cg05165989	0.0451447719973267	36	0.263505649675993	0.793751346310132	0.00203805043869062	0.88698315117374
CHOL	ASXL2	cg05496738	-0.098570527929848	36	-0.577572746963532	0.567358129587116	0.00971614897636894	0.736033476825925
CHOL	ASXL2	cg06583696	0.0927927187183025	36	0.543414469024153	0.590389908214357	0.00861048864713401	0.75333876005195
CHOL	ASXL2	cg09476286	-0.026118117736182	36	-0.152345458658093	0.879814948530077	0.000682156074081063	0.936238665597495
CHOL	ASXL2	cg19084174	-0.0206007061304578	36	-0.120147223737683	0.905073706437446	0.000424389093073482	0.949667578244084
CHOL	ASXL2	cg20667782	0.0247501580309199	36	0.144361203335939	0.886067572855498	0.000612570322555507	0.93957495890383
CHOL	ASXL2	cg24738909	0.0905883973644984	36	0.530397359190477	0.599283835127017	0.00820625773706825	0.759562259830684
CHOL	ASXL3	cg09963640	-0.277403278761431	36	-1.68360048362898	0.10142022591022	0.0769525790675919	0.240699382362479
CHOL	ASXL3	cg12361352	-0.308712458207232	22	-1.45150210617944	0.162146473196964	0.0953033818523522	0.332736025742141
CHOL	ASXL3	cg17880622	-0.16647826047367	36	-0.984464811621074	0.331841178738126	0.0277150112103392	0.531587570679854
CHOL	ASXL3	cg20034091	-0.135852598196937	36	-0.799562661842051	0.429515156431063	0.0184559284368583	0.623587743862757
CHOL	ASXL3	cg20329085	-0.12911654574925	36	-0.759227537722554	0.452948362395827	0.0166710823862182	0.643345219020895
CHOL	ASXL3	cg24880056	-0.166075903298006	36	-0.98201791287943	0.333027696048049	0.0275812056562488	0.532671764014267
CHOL	ASXL3	cg27109877	-0.119430779270545	34	-0.680472976292257	0.50109921090908	0.0142637110371697	0.684924064968325
CHOL	ATAD2B	cg08192560	0.111047907139999	36	0.651544773547507	0.519074991764264	0.0123316376801738	0.699806247670124
CHOL	ATAD2B	cg14009731	0.117675421673677	36	0.690960439431021	0.494281201235225	0.0138475048660778	0.67943795753778
CHOL	ATAD2B	cg15717719	0.0699387242595463	36	0.408810395119776	0.685242486997459	0.00489142515105285	0.818843126625962
CHOL	ATAD2B	cg16929802	0.301766184998606	36	1.84562344827087	0.0736701335793302	0.0910628304086128	0.191331430410728
CHOL	ATAD2B	cg17933838	0.104955011229773	36	0.615386418712156	0.542397108667317	0.0110155543822417	0.7169917860349
CHOL	ATAD2B	cg19614157	0.0380903638501971	36	0.222264376799339	0.825437833956315	0.0014508758182404	0.906186347850947
CHOL	ATAD2B	cg20806130	-0.044874160230719	36	-0.261922918335523	0.794961225298712	0.00201369025641224	0.887748353658154
CHOL	ATAD2B	cg27610867	-0.0552366307178498	36	-0.322574613826625	0.748992742725274	0.0030510853730601	0.859359341438726
CHOL	ATAT1	cg01245721	0.0714841133115799	36	0.417889496608988	0.678655423506853	0.00510997845594279	0.814466076583446
CHOL	ATAT1	cg05093836	0.0926239551793419	36	0.542417592614551	0.591068774246884	0.00857919707306474	0.753862804205406
CHOL	ATAT1	cg06814856	-0.115006681337417	36	-0.675077757662978	0.504191704331869	0.0132265367522461	0.687485135694765
CHOL	ATAT1	cg07142893	-0.0889291474304423	36	-0.520604238414179	0.606016503841245	0.00790839326270534	0.764512825541235
CHOL	ATAT1	cg07816366	-0.0216293741636728	36	-0.126149351930726	0.900356742687931	0.000467829826712158	0.947433830380797
CHOL	ATAT1	cg08081524	-0.0753103570891616	34	-0.427232994284166	0.67207074999798	0.00567164988489703	0.810163199636515
CHOL	ATAT1	cg08188471	-0.105788802534646	30	-0.562940599149747	0.577955590022798	0.0111912707417143	0.74434977695943
CHOL	ATAT1	cg08635134	-0.0288989559726004	36	-0.168578831067478	0.867126814191979	0.000835149656306293	0.929381031140223
CHOL	ATAT1	cg09532691	-0.286238893997384	36	-1.74193058776329	0.0905619120371323	0.0819327044368454	0.221748556388426
CHOL	ATAT1	cg12907138	0.302344752020957	36	1.84951764217144	0.0730919748881679	0.0914123490746137	0.190304799171664
CHOL	ATAT1	cg13542073	0.0185393048159713	36	0.108120376944233	0.914535751033719	0.000343705823059497	0.954882013984151
CHOL	ATAT1	cg13964084	-0.127681412956127	36	-0.750648056109524	0.458028374654983	0.016302543214473	0.648087656928151
CHOL	ATAT1	cg15381130	0.0615716330328677	36	0.359703707993124	0.721293389819135	0.00379106599433413	0.842059185851551
CHOL	ATAT1	cg15729859	-0.162945200791836	36	-0.962995951908324	0.342349024946313	0.0265511384610917	0.541579226587634
CHOL	ATAT1	cg18298197	-0.147651694554091	36	-0.870491013303898	0.390136877787667	0.0218010229046944	0.58759599707493
CHOL	ATAT1	cg20629923	-0.254484865114616	36	-1.53440664984134	0.134183654017729	0.0647625465724041	0.292441047223847
CHOL	ATAT1	cg22759096	-0.0425558641099147	36	-0.248366194166247	0.805345134917485	0.00181100157014152	0.894273593676252
CHOL	ATAT1	cg23328390	-0.271989511641618	36	-1.6480904109232	0.108546102441602	0.0739782944430458	0.252587543921531
CHOL	ATAT1	cg26934609	-0.0262574719620565	36	-0.153158863053848	0.879178388002844	0.000689454833838185	0.935875862399966
CHOL	ATF7IP	cg00236831	0.254734183709389	36	1.53601416658372	0.133789632391335	0.0648895043500888	0.291877507848988
CHOL	ATF7IP	cg11409060	-0.202891488761972	34	-1.17210594538241	0.249807225349004	0.0411649562120495	0.443420539172461
CHOL	ATF7IP	cg12526346	0.25963173908852	36	1.567658808060854	0.126221857315117	0.0674086399421291	0.280319254559714
CHOL	ATF7IP	cg12948116	0.125416233915264	36	0.737116139261485	0.466108276175442	0.0157292317294883	0.655350537219957
CHOL	ATF7IP	cg17439009	0.196867686829796	36	1.17083925883342	0.249804292460205	0.0387568861177146	0.443420539172461
CHOL	ATF7IP	cg19789919	0.0863169755678666	36	0.50519566141948	0.616680712640715	0.00745062027118368	0.772264206000853
CHOL	ATF7IP	cg21275967	0.200978812169084	36	1.19630774103908	0.239852577826991	0.0403924829408961	0.431773491599512
CHOL	ATF7IP	cg26637901	0.64575554730603	14	2.9297096109573	0.0126107823638094	0.417000226876511	0.0511306198577261
CHOL	ATM	cg01756564	0.0395906803954471	36	0.231032486574221	0.818674238165003	0.00156742197417444	0.902436199484439
CHOL	ATM	cg01800843	0.0718363039584884	36	0.419959023989568	0.677157500339746	0.00516045456641634	0.813494541534955
CHOL	ATM	cg01991180	-0.195424835548009	35	-1.14470156513813	0.260567644163743	0.0381908663489663	0.45574439745659
CHOL	ATM	cg02105423	0.0496421326047695	36	0.289818212955029	0.773715482337675	0.00246434132954952	0.87454027953204
CHOL	ATM	cg03165700	0.065382373167732	27	0.327612864508147	0.745932142534823	0.00427485472104456	0.85731744001272
CHOL	ATM	cg03569616	-0.15981577101468	35	-0.930025457734824	0.359111748109418	0.0255410806650168	0.558065108518259
CHOL	ATM	cg04709886	-0.164328733882699	36	-0.971398492576442	0.338210234800562	0.0270039327794908	0.537653255354288
CHOL	ATM	cg04826772	0.0766403429877844	36	0.448204410366596	0.656848927483344	0.00587374217328523	0.800090727157287

CHOL	ATM	cg05033322	0.152829644144306	36	0.901735395824179	0.373541232171036	0.0233569001292752	0.572111641673332
CHOL	ATM	cg05637308	0.0890064113870715	36	0.521060163252441	0.605702276586689	0.0079221412680046	0.764292364724371
CHOL	ATM	cg06053805	0.0394256621677631	36	0.230068015948001	0.819417537688316	0.00155438283736659	0.902798987663502
CHOL	ATM	cg06081482	-0.0257542094320539	33	-0.143440948065495	0.886870312239175	0.000663279303470096	0.939884874129286
CHOL	ATM	cg06750635	0.0707743481129467	36	0.413719281699595	0.681677850157044	0.00500900835081256	0.816418238397615
CHOL	ATM	cg09808176	-0.129306409596415	36	-0.760362940016941	0.452278575598855	0.0167201475627159	0.642704216656563
CHOL	ATM	cg10610482	0.0153210663488651	36	0.089346887897595	0.92933047645276	0.000234735074066328	0.962629123805521
CHOL	ATM	cg10976287	0.176542366159559	36	1.04583696148367	0.303014945102004	0.0311672070492157	0.501387740918118
CHOL	ATM	cg11588932	-0.0305162914896943	36	-0.178021937927299	0.85976219929258	0.000931244046283989	0.925481304917936
CHOL	ATM	cg12019961	-0.451309922186402	12	-1.59930482005209	0.140836270722231	0.203680645863897	0.302591052932094
CHOL	ATM	cg12106634	-0.160723291102642	36	-0.949513929495822	0.349060188882437	0.0258319763028646	0.548127577843005
CHOL	ATM	cg12848864	0.00466941389189885	36	0.0272274246079726	0.978437529944317	2.1803426093858e-05	0.98883804712013
CHOL	ATM	cg14761454	-0.288678057469402	23	-1.38171382112808	0.181583543419763	0.0833350208643074	0.358986281494208
CHOL	ATM	cg15370815	0.0265158683481948	36	0.154667134905437	0.877998248722387	0.000703091274258797	0.935265374673582
CHOL	ATM	cg15504467	0.100569817463857	36	0.589406054352346	0.559485390312317	0.0101142881847134	0.730254126605758
CHOL	ATM	cg16693212	-0.234709288966176	26	-1.18287899517827	0.248443036560749	0.0550884503270079	0.441778728341377
CHOL	ATM	cg16788234	0.110838921323918	36	0.650303337764507	0.519866663076951	0.0122852664802496	0.700291028508742
CHOL	ATM	cg17114932	-0.0230409976304735	36	-0.134386625622941	0.893889233304161	0.000530887571807486	0.943762048446234
CHOL	ATM	cg17420659	-0.141298444874158	36	-0.832254406181837	0.41107308742433	0.0199652505238555	0.606917215009959
CHOL	ATM	cg18042593	-0.097563323637558	36	-0.57161403490862	0.571343363000011	0.00951860211920689	0.739232371706464
CHOL	ATM	cg18391757	0.0666003808376986	36	0.389207763227157	0.699549543369234	0.00443561072772649	0.827778769130344
CHOL	ATM	cg18457775	-0.157156398286964	36	-0.927901758849224	0.359999305917259	0.0246981335225308	0.558875024616719
CHOL	ATM	cg19288979	0.11971513681488	36	0.703109770617394	0.486774291536266	0.0143317139826055	0.673175105963633
CHOL	ATM	cg20342375	-0.170008485926855	36	-1.00595539991781	0.32154297030638	0.0289028852871416	0.521019723482841
CHOL	ATM	cg22477592	0.0299346794092584	36	0.174625933000569	0.862409289616726	0.000896085031335078	0.926864784797352
CHOL	ATM	cg22678707	-0.0642331552761693	36	-0.375315495518007	0.709757143284107	0.00412589823673248	0.834678949745943
CHOL	ATM	cg22837512	0.0319407036459406	36	0.186339783422834	0.853285684744697	0.00102020854939781	0.921812856158839
CHOL	ATM	cg23275463	-0.256062610845019	16	-0.9911430726645	0.338437890432697	0.0655680606727676	0.537808952064574
CHOL	ATM	cg23389069	-0.161214031710294	36	-0.952490344267628	0.347571110794878	0.0259899640202877	0.546860023322885
CHOL	ATM	cg24030675	0.0327616481123973	36	0.191134196289726	0.849557274269712	0.00107332558704055	0.919783688966055
CHOL	ATM	cg24568245	-0.0376869093979881	36	-0.219906778399578	0.827258786714027	0.00142030313997216	0.907237087707667
CHOL	ATM	cg25400013	0.0365992980294249	36	0.213551821375722	0.832172010967826	0.00133950861624667	0.909982702499663
CHOL	ATM	cg25740661	0.159057528614131	36	0.939416208627149	0.354143489161265	0.025299297408835	0.553150997787645
CHOL	ATM	cg25918541	-0.136489006235171	36	-0.803379184841549	0.42733661286023	0.0186292488230645	0.621684793531928
CHOL	ATM	cg27453365	-0.30610686279998	36	-1.8748946642943	0.0694185217018758	0.0937014114532459	0.183255097807042
CHOL	ATM	cg27599391	-0.12028037690831	35	-0.696011228695762	0.491295058336262	0.0144673690692051	0.676948011268552
CHOL	ATR	cg00911981	0.195265398495701	36	1.16093054843868	0.253756454481386	0.0381285758496849	0.447798058704403
CHOL	ATR	cg00969988	-0.125255362598611	36	-0.736155560795526	0.46668496433151	0.0156889058597095	0.655886584561008
CHOL	ATR	cg11458642	0.147695180228812	36	0.870753102513653	0.389995746759152	0.0218138662628212	0.587504678905937
CHOL	ATR	cg11936145	-0.113549269348316	36	-0.666410425608857	0.509645816594839	0.0128934365695365	0.692092455117765
CHOL	ATR	cg15135999	-0.00233922980086588	36	-0.0136399737588299	0.989196938414717	5.47199606125902e-06	0.994314147234511
CHOL	ATR	cg15291273	-0.0966373064307329	36	-0.566137198076289	0.575018544542663	0.00933876899418738	0.742052882997855
CHOL	ATR	cg15480357	-0.130535681766698	36	-0.767716158262507	0.447955006099985	0.0170395642142967	0.639440194952884
CHOL	ATR	cg16031872	0.0334840694542567	36	0.195353542471165	0.846278970967534	0.00112118290721748	0.917861143885125
CHOL	ATR	cg17945282	-0.00410565398882607	36	-0.0239400726782317	0.98104036634007	1.68563946759634e-05	0.990222054517542
CHOL	ATR	cg20032934	-0.182655075902691	36	-1.08327686711894	0.286308257264806	0.0333628767530178	0.483588430016362
CHOL	ATR	cg20636078	-0.0235854873959958	36	-0.13756410949737	0.891396369865624	0.000556275215706675	0.942509562080416
CHOL	ATR	cg24631870	-0.145246335039756	36	-0.856001843854558	0.397989466957258	0.0210964978424809	0.594618536796807
CHOL	ATR	cg24856922	0.336919072013703	36	2.08655206817037	0.0445001068641507	0.113514461086575	0.132475176541778
CHOL	AURKB	cg02245743	-0.125331362528027	36	-0.736609356498168	0.466412474253171	0.0157079504331317	0.655693153261853
CHOL	AURKB	cg04612488	-0.166210275910417	36	-0.982835031594069	0.332631152031063	0.027625855818217	0.53233301462877
CHOL	AURKB	cg05617798	-0.14985635970988	36	-0.8837851218755	0.383019136022784	0.0224569285454971	0.581283469913314
CHOL	AURKB	cg05811247	-0.193550587309184	36	-1.15033668938451	0.25803197362412	0.0374618298477302	0.452560914352718
CHOL	AURKB	cg11009596	-0.148498566185571	36	-0.875596059532232	0.38739372639041	0.0220518241591704	0.585341792930419
CHOL	AURKB	cg12844497	-0.0807029717006091	36	-0.472115092894179	0.639860814658859	0.00651296964130931	0.78841441040882
CHOL	AURKB	cg13678641	-0.24866783624307	36	-1.49699248755845	0.143621805578039	0.0618356927818101	0.306602857856206
CHOL	AURKB	cg21724796	-0.207709969253	36	-1.2381503326595	0.22414179066639	0.0431434313270823	0.413304094979761

CHOL	BAP1	cg00794529	-0.325152841644831	36	-2.00489353082261	0.0529889258242068	0.105724370429708	0.150495436295438
CHOL	BAP1	cg02503646	-0.147036012491908	36	-0.866780835680246	0.392138229381932	0.0216195889695204	0.589191930943643
CHOL	BAP1	cg03075736	-0.129561426077617	36	-0.76188809458021	0.451379790289158	0.0167861631272657	0.641997137616799
CHOL	BAP1	cg05442719	0.00457166892681392	36	0.0266574601654149	0.978888796009323	2.09001567763959e-05	0.989094294612233
CHOL	BAP1	cg05908979	-0.131357765321049	36	-0.772635677208006	0.445076155174283	0.0172548625101397	0.636981859937976
CHOL	BAP1	cg09096430	-0.128881739232968	36	-0.757823491792265	0.45377743369613	0.0166105027077146	0.64407600352053
CHOL	BAP1	cg10449522	-0.0713369791795382	36	-0.417024959985633	0.679281568167884	0.00508896459846187	0.814928372489049
CHOL	BAP1	cg10956904	-0.0188620130576157	36	-0.110003060718659	0.913053689811575	0.000355775536585666	0.954026012990768
CHOL	BAP1	cg11234564	-0.0723061401421338	36	-0.422720100924607	0.675161109804661	0.00522817790225389	0.812176950303754
CHOL	BAP1	cg12859382	0.0412662774122211	36	0.240826818515887	0.811135685523843	0.00170290565146239	0.89815234808833
CHOL	BAP1	cg16841708	0.0460426998253151	36	0.268757792810345	0.789740207494338	0.00211993020720407	0.884304421760555
CHOL	BAP1	cg24291822	-0.0697312212605316	36	-0.407591549663765	0.686128703340453	0.00486244321848521	0.819327004277514
CHOL	BAP1	cg24747396	-0.105720720467644	36	-0.619926589837083	0.539438987422731	0.0111768707361978	0.714774345311167
CHOL	BAP1	cg25749966	-0.0170999757642548	36	-0.0997237172151293	0.92114936283485	0.000292409171138102	0.958686433514934
CHOL	BAZ1A	cg05294307	0.0668694383029887	35	0.384997403995239	0.702709638538745	0.00447152177895722	0.829916405351194
CHOL	BAZ1A	cg07414384	-0.213759294573866	36	-1.2759111114687	0.210634927105152	0.0456930360167169	0.396384371156008
CHOL	BAZ1A	cg23422263	-0.252274391097514	36	-1.52016856577966	0.137714629713106	0.0636423684036216	0.297810947638027
CHOL	BAZ1A	cg26967526	-0.121978338045733	36	-0.716600849948483	0.478514267270074	0.014878714952399	0.666058688270646
CHOL	BAZ1B	cg00525989	-0.0451537500065448	36	-0.263558160495477	0.79371121460737	0.00203886113965355	0.88698315117374
CHOL	BAZ1B	cg04742505	0.0582348235587893	36	0.340141704974521	0.735842374841135	0.00339129467492332	0.851015757223425
CHOL	BAZ1B	cg05166819	-0.0167521883419352	36	-0.0976949136629325	0.922748219026698	0.000280635814243671	0.959387821271038
CHOL	BAZ1B	cg06059318	0.0138844056494788	36	0.0809671060933667	0.935942855809016	0.000192776720239279	0.965838995633229
CHOL	BAZ1B	cg06394887	0.181880233012313	36	1.07852392337931	0.288392422059282	0.0330804191606132	0.485894770703245
CHOL	BAZ1B	cg14093368	0.0774218532238159	36	0.452802222225918	0.653567475887082	0.0059941433566101	0.797809776202712
CHOL	BAZ1B	cg15636799	-0.0536199509171375	36	-0.313105783475729	0.756112965513781	0.00287509913635624	0.863941289251342
CHOL	BAZ1B	cg19160975	-0.144991370932798	36	-0.854466929837868	0.398827124572427	0.0210224976449721	0.595435494827708
CHOL	BAZ1B	cg20612831	0.10830197145523	36	0.635240040415093	0.529524219911536	0.0117293170210895	0.707700095584765
CHOL	BAZ1B	cg21340129	0.0200877684395991	36	0.117154450821735	0.907426991381834	0.000403518440882954	0.9509449957766
CHOL	BAZ1B	cg25710357	0.178841943207308	36	1.05990677836175	0.29665879733493	0.0319844406501661	0.494658117669565
CHOL	BAZ2A	cg14634319	0.0421548735867722	36	0.246021731629598	0.807144600865433	0.00177703336711675	0.895543137413185
CHOL	BAZ2A	cg18206859	0.237147529701489	36	1.42340025406347	0.16373245029683	0.0562389508435184	0.33489515271577
CHOL	BAZ2A	cg18955060	-0.0629112854773864	36	-0.367560771888009	0.715478971474892	0.0039578298404172	0.83825011882161
CHOL	BAZ2A	cg25683012	0.0753090499457894	36	0.44037400335084	0.662453393048228	0.0056714530037374	0.803687257829896
CHOL	BRD7	cg03021120	-0.596518686730002	36	-4.33375938978528	0.000123206301329882	0.355834543618087	0.00115221151435334
CHOL	BRD7	cg16433860	-0.258714926120718	36	-1.5617252247346	0.127613737923526	0.0669334129976483	0.282493116939913
CHOL	BRD7	cg16834187	0.501002380819733	36	3.37550939350281	0.00185601507248721	0.251003385587041	0.0111875745040345
CHOL	BRD8	cg01096096	-0.0401310059709022	36	-0.234190623019757	0.816241516041984	0.00161049764023659	0.901086896351163
CHOL	BRD8	cg03204906	-0.209247572752255	36	-1.24773399695124	0.220653947043408	0.0437845467027104	0.408869141230852
CHOL	BRD8	cg03684156	-0.109870232724032	36	-0.644550187091625	0.523543959626219	0.012071468038833	0.70291129876349
CHOL	BRD8	cg07430605	-0.0288608682192259	36	-0.168356465071431	0.867300383929669	0.000832949714367526	0.929464617754607
CHOL	BRD8	cg07632946	-0.0535254563253509	36	-0.312552409462389	0.756529759909079	0.00286497447483704	0.864196002207966
CHOL	BRD8	cg08976717	0.255003169751536	36	1.53774885932099	0.133365487717095	0.0650266165833307	0.291302637900486
CHOL	BRD8	cg11110536	-0.0218793501492207	36	-0.127607985218501	0.899210977508124	0.000478705962952202	0.946810751922188
CHOL	BRD8	cg11346339	-0.250487122569641	36	-1.50867502540136	0.140619226192992	0.0627437985732184	0.30224889005902
CHOL	BRD8	cg12964860	-0.205914742058813	36	-1.22697306714087	0.228261416142282	0.0424008809971474	0.418164808839577
CHOL	BRD8	cg14473243	-0.0798940665251813	36	-0.467352416106818	0.643229299595953	0.0063830618659301	0.790624049577421
CHOL	BRD8	cg22106577	0.092160405920884	36	0.539679676461418	0.592935203023469	0.00849354041950211	0.755140620896296
CHOL	BRD8	cg22818036	-0.0387291124186539	36	-0.225997146596736	0.822556740855401	0.00149994414873673	0.904618220989087
CHOL	BRD8	cg23298160	-0.281700999773267	36	-1.71191364810951	0.0960212491807389	0.0793554532732581	0.23133716502838
CHOL	BRD8	cg26008208	-0.352291993459547	36	-2.19491325134692	0.0350968604839384	0.124109648655702	0.111083655335347
CHOL	BRD8	cg26630792	0.0342505850302083	36	0.199830759065762	0.842803348662037	0.00117310257491153	0.916007149025727
CHOL	BRD8	cg27119451	0.194313995558633	33	1.1029168157982	0.278552057323784	0.0377579288699605	0.475483362168044
CHOL	BRD9	cg02364331	-0.0229535972553699	36	-0.13387659367789	0.894289476496187	0.000526867626961726	0.943984826805381
CHOL	BRD9	cg02822723	0.78721668852562	36	7.44348578938983	1.23519938518805e-08	0.619710114693242	3.31006203828176e-07
CHOL	BRD9	cg05193570	-0.167309383642618	36	-0.989520814917757	0.329398540798147	0.0279924298548728	0.529087565609454
CHOL	BRD9	cg07308931	-0.0883077552527996	36	-0.516937825465602	0.608546192153849	0.00779825963778836	0.766299915382518
CHOL	BRD9	cg09497020	-0.103463193883728	36	-0.606544056766446	0.548182448901834	0.0107046324886218	0.721371271036576

CHOL	BRD9	cg10551270	-0.246207028958682	36	-1.48121726665104	0.147757514545515	0.0606179011086611	0.312583909024386
CHOL	BRD9	cg10600960	-0.110153725560655	36	-0.646233689773205	0.522466458018816	0.0121338432548921	0.702273060251499
CHOL	BRD9	cg13722821	-0.111746871079796	36	-0.655697456949146	0.516431532971391	0.0124873631961246	0.697547958607108
CHOL	BRD9	cg17977043	-0.00652558279025859	36	-0.0380511695153192	0.969869432126679	4.25832307525191e-05	0.984100778709294
CHOL	BRD9	cg20079193	-0.100866773044445	36	-0.591164273640893	0.558320381572205	0.0101741059043995	0.729382118323198
CHOL	BRD9	cg21160852	0.566896619922956	36	4.01261384838146	0.000312317949635753	0.321371777680072	0.00252719602391968
CHOL	BRD9	cg21758832	-0.125622323737567	36	-0.738346808199329	0.465370042223478	0.0157809682212261	0.654625666392873
CHOL	BRD9	cg21910709	-0.0451314396589674	36	-0.263427671258275	0.79381094282724	0.00203684684569102	0.886998585000249
CHOL	BRD9	cg24953233	-0.387888244124143	36	-2.45388082628027	0.0194107538756653	0.150457289929711	0.0711343596666435
CHOL	BRD9	cg25523559	-0.196304362847149	36	-1.16735449975034	0.251189063109884	0.0385354028728253	0.44480623732849
CHOL	BRD9	cg25951128	-0.149750749966419	36	-0.88314799041668	0.383358352962866	0.0224252871155048	0.581628078213422
CHOL	BRD9	cg26504197	-0.0968523136119003	36	-0.567408703878353	0.57416427201273	0.0093803706519779	0.741424779709904
CHOL	BRDT	cg00308185	0.0459192398918068	36	0.268035614789846	0.790291403174494	0.0021085765922413	0.884768797308225
CHOL	BRDT	cg01515515	-0.0312403815240027	35	-0.179549967076514	0.858603840711218	0.000975961437765246	0.924867780186889
CHOL	BRDT	cg02935097	-0.0252039450457007	36	-0.147009691672919	0.883992648553687	0.0006352388458667	0.938510052563432
CHOL	BRDT	cg03421440	-0.14491521821961	36	-0.85400851525327	0.399077512717595	0.0210004204716371	0.595691460562656
CHOL	BRDT	cg06442199	0.00479983196405351	36	0.0279879116857625	0.977835429932328	2.30383868831498e-05	0.98852003171519
CHOL	BRDT	cg09250199	0.162065405401003	35	0.943467497280041	0.352298398437085	0.0262651956277914	0.551221733138819
CHOL	BRDT	cg13299824	0.0485240088787362	36	0.28327485463342	0.778683866363432	0.00235457943766367	0.877646731475136
CHOL	BRDT	cg14732540	-0.0260722662205103	36	-0.152077827353443	0.880024411343921	0.000679763065873164	0.936347006362666
CHOL	BRDT	cg19245011	0.064973304371184	36	0.379658429557509	0.70656013399026	0.00422153028091051	0.832696882416647
CHOL	BRPF1	cg04879506	-0.272199406763055	36	-1.64946397912165	0.108262963763169	0.074092517042159	0.252139298954943
CHOL	BRPF1	cg13694772	0.216334056503397	36	1.29202950720866	0.205060320035019	0.046800424003215	0.38928820273778
CHOL	BRPF1	cg14712964	-0.0883592475984358	36	-0.517241623628738	0.60833639614874	0.00780735663616169	0.766155141658452
CHOL	BRPF1	cg17738494	0.0109587732866644	36	0.0639039172375377	0.949420972593266	0.000120094711948508	0.97315657784027
CHOL	BRPF1	cg20952324	0.00366498077017631	36	0.0213704700918883	0.983075056510303	1.34320840457622e-05	0.991216913306494
CHOL	BRPF1	cg25467642	-0.536863917827298	36	-3.71049336161902	0.000736121451801841	0.288222866264876	0.00519747978049305
CHOL	BRPF1	cg26227975	-0.402976956651154	36	-2.56743144057483	0.0148155129394667	0.162390427591826	0.0578100021875343
CHOL	BRPF3	cg01499736	0.106786125042134	36	0.626245621813324	0.535335953924568	0.0114032765015143	0.711755412833877
CHOL	BRPF3	cg05882415	-0.174030526666753	36	-1.03048861966593	0.310055843772536	0.0302866242119073	0.508849506570201
CHOL	BRPF3	cg10562781	0.050812372817537	36	0.296667731884997	0.768524987993696	0.00258189723134837	0.871701842571033
CHOL	BRPF3	cg14654948	0.0238315669994655	36	0.139000198494314	0.890270066730883	0.000567943585650012	0.941898533350707
CHOL	BRPF3	cg18779695	0.0643943165513789	36	0.376261079862657	0.709060603287667	0.00414662800411919	0.834238147822337
CHOL	BRPF3	cg23517469	-0.146868261050686	36	-0.865770123082472	0.392684555547681	0.0215702861040525	0.58954594658657
CHOL	BRWD3	cg03164831	-0.058532795184422	36	-0.341888084842646	0.734539402544408	0.0034260881121015	0.850335800540741
CHOL	BRWD3	cg05835545	0.0369314130415646	36	0.215492301126753	0.830671026437064	0.00136392926924665	0.909184842009187
CHOL	BRWD3	cg09523186	-0.0289895577302159	36	-0.169107790138092	0.866713957437504	0.00084039445739352	0.929180459818372
CHOL	BRWD3	cg11957438	0.032378537727096	12	0.10244364015372	0.920429718136173	0.00104836970829878	0.958206665498219
CHOL	BRWD3	cg15511898	0.0278200529941512	36	0.162280201691552	0.872045822341445	0.00077395534859738	0.932136092873362
CHOL	BRWD3	cg22618269	0.341181192874865	28	1.85073839874523	0.0756009726669361	0.116404606371516	0.194996918790876
CHOL	BRWD3	cg25063710	-0.045198882723178	36	-0.263822134900525	0.793509479260947	0.0020429389994236	0.886840720665407
CHOL	BRWD3	cg25708850	0.345522419630492	26	1.80380255144344	0.0838301268577243	0.11938574246731	0.209876126822959
CHOL	CARM1	cg12317676	-0.0225476435634493	36	-0.131507658209308	0.896148845212478	0.000508396230264359	0.944967851771732
CHOL	CARM1	cg17918830	-0.129430881548255	36	-0.761107339245497	0.451839763481641	0.0167523530983585	0.642409465835254
CHOL	CARM1	cg22378614	0.0290518439653551	36	0.16947143747861	0.866430149826039	0.000844009637787341	0.928992723803554
CHOL	CARM1	cg26504915	-0.0338202361062264	36	-0.197317048540721	0.844754330105514	0.0011438083702809	0.917038574924345
CHOL	CBX1	cg01544580	-0.0904107747056475	36	-0.529348794527096	0.600003018252903	0.00817410818287535	0.760119120002058
CHOL	CBX1	cg01553295	-0.164371078508492	36	-0.971655754664194	0.338084048386768	0.0270178514500449	0.53751235963506
CHOL	CBX1	cg02835499	-0.327372580760627	36	-2.02021716076754	0.0512956835855897	0.107172806633874	0.146995852538305
CHOL	CBX1	cg04864609	-0.0319674170316141	36	-0.186495786762273	0.853164313199216	0.00102191575167313	0.921812856158839
CHOL	CBX1	cg11729481	-0.318301580049903	36	-1.95782884610472	0.0584979095059577	0.101315895862265	0.161664572301529
CHOL	CBX1	cg12245530	-0.0665473438821522	36	-0.388896439870953	0.699777682368796	0.00442854897776942	0.827949461182311
CHOL	CBX1	cg13342109	-0.17297810870599	36	-1.02406411187791	0.313036276607077	0.0299214260915012	0.512044914787337
CHOL	CBX1	cg17778721	-0.223349852734412	36	-1.33609419622896	0.190392762322807	0.0498851567164833	0.370628194883779
CHOL	CBX1	cg21511817	-0.148017427922778	36	-0.872695458123784	0.388950828824378	0.0219091589688749	0.586589395296196
CHOL	CBX4	cg04398978	-0.376272248786907	36	-2.36805583099638	0.023709739417995	0.141580805207156	0.0828596788799222
CHOL	CBX4	cg04925705	-0.142374040477984	36	-0.838720284964019	0.407484535134124	0.0202703674020267	0.603691714458656

CHOL	CBX4	cg05949524	-0.136625233772061	36	-0.804196269477876	0.426871080782787	0.0186664545032704	0.621302715830345
CHOL	CBX4	cg07159673	-0.104939674837661	36	-0.615295494947275	0.542456435686807	0.011012335355034	0.717026131746686
CHOL	CBX4	cg10756274	0.0646728764530647	36	0.377895548955928	0.707857213637926	0.00418258094871336	0.833510967716594
CHOL	CBX4	cg21365914	-0.146535109038272	36	-0.863763088303321	0.393770857289922	0.0214725381808583	0.590504473591106
CHOL	CBX4	cg22353329	-0.176032789285583	36	-1.04272154942642	0.304435056332152	0.0309875429036625	0.503031387869914
CHOL	CBX4	cg27487227	-0.148643240226863	36	-0.876468369080451	0.386926230269244	0.0220948128651408	0.584862611385489
CHOL	CBX5	cg03689456	-0.218425342995684	36	-1.30514206923256	0.200608515417925	0.0477096304627821	0.383646751975092
CHOL	CBX5	cg05754589	-0.261122549626974	36	-1.57731700040919	0.123982702097901	0.0681849859236916	0.276911668542509
CHOL	CBX5	cg06399839	-0.198711670140958	36	-1.18225471992495	0.245307062785296	0.0394863278502088	0.438225770829663
CHOL	CBX5	cg06621757	-0.229637581236175	34	-1.33469442043728	0.191395761068674	0.0527334187160011	0.371873469281862
CHOL	CBX5	cg08288469	-0.0454357030046082	36	-0.26520728732965	0.792451150602295	0.00206440310752296	0.886204554487517
CHOL	CBX5	cg09060496	-0.0113954519727741	36	-0.0664506469317658	0.947408266408005	0.0001298563256638	0.971983246866634
CHOL	CBX5	cg09158487	-0.267533545269582	36	-1.61898976217485	0.11468987770178	0.0715741978445114	0.262432623858234
CHOL	CBX5	cg09653879	-0.0458292175505614	36	-0.267509037493541	0.790693377530632	0.00210031718129669	0.885078716101441
CHOL	CBX5	cg11005091	-0.209941472474807	36	-1.25206213970847	0.21909216830514	0.0440754218648902	0.407011563773894
CHOL	CBX5	cg11338003	-0.1765143660105	36	-1.04566575380744	0.303092867753023	0.0311573214080887	0.501474011654409
CHOL	CBX5	cg12263485	-0.0114946013002565	36	-0.0670288955036989	0.946951319078683	0.000132125859051859	0.971695235862017
CHOL	CBX5	cg12600134	-0.0284044134302573	36	-0.16569162268779	0.869380967681476	0.000806810702316981	0.930684265190089
CHOL	CBX5	cg13445218	-0.288475316128179	36	-1.75677069974614	0.0879606644632059	0.0832180080152527	0.217321813168947
CHOL	CBX5	cg14017196	-0.0758362821147156	36	-0.443474794901952	0.660231674868548	0.00575114168498273	0.802344183624522
CHOL	CBX5	cg14394617	0.14984100534056	36	0.883692488806054	0.383068443116702	0.0224523268814698	0.581293306852562
CHOL	CBX5	cg15708001	-0.195869483591405	36	-1.16466513065436	0.252261581430019	0.0383648546023636	0.446131614662338
CHOL	CBX5	cg20545544	-0.221336256001138	36	-1.3234252497413	0.194524751254209	0.0489897382206012	0.375921587963152
CHOL	CBX5	cg20927027	0.184901666914468	36	1.09706946451528	0.280320464041358	0.0341886264277488	0.477537997189011
CHOL	CBX5	cg21826008	-0.209311675051731	36	-1.24813374704052	0.220509351504179	0.0438113773129613	0.408745314998801
CHOL	CBX5	cg24505978	-0.114747509121444	36	-0.673536120944258	0.505159456640669	0.0131669908495759	0.688322119522607
CHOL	CBX5	cg25817259	-0.206116959048178	36	-1.22823144140943	0.227794819231387	0.0424842008072684	0.417555847485545
CHOL	CBX6	cg03028106	-0.352773252576034	15	-1.35933529439797	0.197154223848639	0.124448967733074	0.379385525109168
CHOL	CBX6	cg04134624	0.132078713928027	36	0.776951318170693	0.442559784031327	0.0174447866728816	0.634925415992894
CHOL	CBX6	cg04215348	0.219518288044104	36	1.31200243569125	0.19830892090562	0.0481882787858141	0.380900799785981
CHOL	CBX6	cg04801716	0.156784427923521	36	0.925650112387906	0.361151793022555	0.0245813568393059	0.560015997655856
CHOL	CBX6	cg06060673	-0.146274289049884	36	-0.862192018887699	0.394622518890408	0.0213961676370491	0.591359856578514
CHOL	CBX6	cg09913544	-0.260905584271366	36	-1.5759106430158	0.12430672425541	0.068071723903983	0.277358225587078
CHOL	CBX6	cg14498989	0.113565201186474	36	0.666505149706988	0.509586035423172	0.0128970549205242	0.69207478989037
CHOL	CBX6	cg24649346	0.196158345271728	36	1.16645142181916	0.251548838663186	0.0384780964197424	0.445286148200421
CHOL	CBX6	cg25836955	-0.351414659533544	36	-2.18867590072585	0.0355858495371457	0.123492262935076	0.112247722454394
CHOL	CBX7	cg00545295	-0.116279712942501	36	-0.682652179281478	0.499451787295908	0.0135209716419905	0.683610189505038
CHOL	CBX7	cg01525244	-0.0481452748218459	36	-0.281058712913833	0.780368742915723	0.00231796748767106	0.878671542894224
CHOL	CBX7	cg02523424	0.0162105169994842	36	0.0945351666469346	0.925238994379076	0.000262780861390567	0.960618337451796
CHOL	CBX7	cg03804568	-0.00217169209815546	36	-0.0126630620158568	0.989970622794953	4.71624656919087e-06	0.994592368632072
CHOL	CBX7	cg10339854	-0.0059354921723619	36	-0.0346101789941108	0.972592982392259	3.52300673281694e-05	0.985558207323099
CHOL	CBX7	cg22268271	-0.0756156977902564	36	-0.442177434901208	0.661160854547419	0.00571773375230739	0.8028713534905
CHOL	CBX7	cg26672614	-0.0231479179962265	36	-0.135010572243176	0.893399634942789	0.000535826107560027	0.94347561529545
CHOL	CBX7	cg27062573	-0.135162749888309	36	-0.795426797673832	0.431883581098831	0.0182689689573696	0.625671824577784
CHOL	CDYL2	cg01442398	-0.12038946324556	36	-0.707128297924842	0.484305529255564	0.0144936228605539	0.671025421534674
CHOL	CDYL2	cg02461391	-0.161872971489574	36	-0.95648805338203	0.34557773791468	0.0262028588988644	0.54486977185518
CHOL	CDYL2	cg06919916	-0.0864508831776165	36	-0.505985292298302	0.616132126421973	0.00747375520218989	0.771854339729641
CHOL	CDYL2	cg10112854	-0.299911866200397	36	-1.83315756481561	0.0755472325324942	0.089947127487805	0.194897078681242
CHOL	CECR2	cg03927893	-0.298280840468251	36	-1.82221167724486	0.077228921507507	0.0889714597904461	0.197988028332674
CHOL	CECR2	cg12632097	-0.176910171250726	36	-1.04808615924956	0.301992547829764	0.0312972086919614	0.500378122032076
CHOL	CECR2	cg13466481	-0.0908949146896446	36	-0.532206951321553	0.598043643667315	0.00826188551643777	0.758699421331275
CHOL	CECR2	cg26796679	-0.223820532592674	36	-1.33905816112248	0.189435875257988	0.0500956308100683	0.36934276841389
CHOL	CHAF1A	cg03006338	-0.066772224639715	36	-0.390216497545025	0.698810533526008	0.00445852998333657	0.827258109185456
CHOL	CHAF1A	cg04346879	-0.157643261501355	36	-0.930849497666477	0.358494179863717	0.0248513978967845	0.557468706333912
CHOL	CHAF1A	cg05297461	0.0144080412544001	36	0.0840213169680349	0.933532256852292	0.000207591652788496	0.964633027821854
CHOL	CHAF1A	cg07783855	-0.0273747106660683	36	-0.159680462498227	0.87407764705378	0.000749374784050954	0.933346095957693
CHOL	CHAF1A	cg09700233	-0.24728960019297	36	-1.48815340390363	0.145927535005757	0.0611521463635992	0.309943120054547

CHOL	CHAF1A	cg18804734	-0.0925320705420348	36	-0.541874855236272	0.591438532276787	0.00856218407879609	0.754115417949105
CHOL	CHAF1A	cg23811775	-0.192320693453902	36	-1.14274533234754	0.261127662751606	0.0369872491305896	0.456426301393005
CHOL	CHAF1A	cg24085258	-0.00357616466830838	36	-0.0208525774907023	0.983485154134752	1.27889537348572e-05	0.991408097481847
CHOL	CHAF1B	cg00660452	0.108498049408751	34	0.617402386870057	0.541338195187445	0.0117718267255037	0.716351356678439
CHOL	CHAF1B	cg02544117	-0.0793637000335526	30	-0.421282065542007	0.676765623793193	0.00629859688301572	0.813264515460519
CHOL	CHAF1B	cg02908490	-0.0274588111694019	36	-0.160171401927024	0.873693886735227	0.00075398631083687	0.933141248039214
CHOL	CHAF1B	cg04634639	-0.0727911207475685	36	-0.425570473519096	0.673102655992162	0.00529854725968709	0.810871688818933
CHOL	CHAF1B	cg07872789	-0.107627144739585	36	-0.631235342282514	0.532107707525914	0.0115836022847955	0.709628975010216
CHOL	CHAF1B	cg13854874	-0.0775902873134906	36	-0.453793269998969	0.652861079451464	0.00602025268539002	0.797247858328973
CHOL	CHAF1B	cg25942896	0.205724835479708	36	1.22579144867518	0.228700199500991	0.042322707933153	0.418633457727949
CHOL	CHD1	cg03255775	0.136396300495074	36	0.802823167904046	0.427653578802743	0.0186039507887424	0.621964526255013
CHOL	CHD1	cg03833628	-0.154442024688201	36	-0.911480088833234	0.36845999057134	0.023852338989791	0.567322642385093
CHOL	CHD1	cg08865521	-0.0766388473839777	36	-0.448195612170693	0.656855213401476	0.00587351292834462	0.800090727157287
CHOL	CHD1	cg11365324	0.0314140615503244	36	0.183264330626904	0.855679142801695	0.00098684326308757	0.923216831964205
CHOL	CHD1	cg12662497	-0.0532947079303966	36	-0.311201148803957	0.75754782330044	0.00284032589338627	0.864800213744525
CHOL	CHD1	cg16890600	0.0788767596271121	36	0.461364028383896	0.647475578189922	0.00622154320927321	0.793398782876646
CHOL	CHD1	cg21082921	-0.103287097281464	36	-0.605500563907322	0.548867276298323	0.0106682244648306	0.721944349047662
CHOL	CHD4	cg00079216	-0.143625730352646	36	-0.846248563746437	0.403331017097941	0.0206283504193311	0.599793630438851
CHOL	CHD4	cg00824109	-0.17680207092594	36	-1.04742505831252	0.302292809304802	0.0312589722837011	0.500686183484739
CHOL	CHD4	cg04344119	0.0508531073816783	36	0.296906176772477	0.768344490478301	0.00258603853037251	0.871658128591577
CHOL	CHD4	cg05147525	-0.501392747745004	36	-3.37902226996471	0.00183840247596572	0.251394687491285	0.0110976395937017
CHOL	CHD4	cg11565429	-0.344338145288643	36	-2.1386039989105	0.0397362409110745	0.118568758300823	0.121894366144958
CHOL	CHD4	cg19509514	-0.166414745881108	36	-0.984078519793387	0.332028304252138	0.0276938676466738	0.531729211375566
CHOL	CHD4	cg20308811	-0.13062017551297	36	-0.768221711946298	0.447658652760709	0.0170616302510392	0.639204824214724
CHOL	CHRA1	cg00296189	-0.50910181486467	36	-3.44896764151124	0.00151935601884787	0.259184657898501	0.00949982174330902
CHOL	CHRA1	cg07270064	-0.4768765988523	36	-3.16352514927732	0.00327597647796115	0.227411290532938	0.0176685603249105
CHOL	CHRA1	cg08877624	-0.355037190272413	36	-2.21447286264587	0.033602068332128	0.126051406476529	0.107405674411602
CHOL	CHRA1	cg12002314	-0.0667243872191851	36	-0.389935685269205	0.699016229774639	0.00445214384977575	0.827352632715797
CHOL	CHRA1	cg18770186	-0.227823682556905	36	-1.36430692721113	0.181434107890935	0.0519036303337893	0.358718199335843
CHOL	CHRA1	cg19486048	0.208306497776058	36	1.24186726671462	0.222784206055953	0.0433915970157269	0.411463783086604
CHOL	CHRA1	cg22610305	-0.342222473578252	36	-2.12371490850725	0.0410505295096225	0.117116221422017	0.124721144021542
CHOL	CHRA1	cg23548819	-0.37986756162243	36	-2.39447738842004	0.0223021907464282	0.14429936437297	0.0790161249291974
CHOL	CLOCK	cg05960024	-0.243857950025784	36	-1.4661867444856	0.151785895338128	0.0594666997907777	0.318266556299516
CHOL	CLOCK	cg06085476	-0.0936814320781277	29	-0.488933218822003	0.628837187238787	0.00877621071620885	0.78081721483838
CHOL	CLOCK	cg07236904	0.104765908633881	36	0.614265330742873	0.543128845437783	0.0109758956118827	0.717524950204374
CHOL	CLOCK	cg07500410	0.110012574478603	36	0.645395453865726	0.523002810000903	0.0121027665434102	0.702578999627156
CHOL	CLOCK	cg11774413	0.0478826341230863	36	0.279521956565826	0.781537733440515	0.00229274665056535	0.879321110278629
CHOL	CLOCK	cg18928811	0.072240987971377	36	0.4223372056098	0.675437819276061	0.00521876034308063	0.812359075365046
CHOL	CLOCK	cg22523077	0.0400544259446914	36	0.233743009746573	0.816586202022684	0.00160435703775876	0.901377873320743
CHOL	CLOCK	cg23506964	0.0833183134985885	36	0.487520193238616	0.629018580667891	0.00694194136424907	0.780934136308588
CHOL	CREBBP	cg00039463	-0.27662312046117	36	-1.67847265372734	0.102424568818069	0.076520350773675	0.242336280615354
CHOL	CREBBP	cg00747661	-0.0318041181064342	36	-0.185542144596506	0.853906309235507	0.00101150192852801	0.922107767766478
CHOL	CREBBP	cg03039399	-0.0876622830135894	36	-0.513129976454048	0.611178654829205	0.00768467586315464	0.768160014763202
CHOL	CREBBP	cg03264209	-0.063605487721783	36	-0.371633051152727	0.712472130266393	0.00404565806832589	0.836430527559548
CHOL	CREBBP	cg08506924	0.112999689396581	36	0.663143169597427	0.511710154534011	0.0127689298037238	0.69375722237238
CHOL	CREBBP	cg24567591	0.00466516599346331	36	0.0272026545071724	0.97845714138023	2.17637737465665e-05	0.98883804712013
CHOL	CTCF	cg01866162	-0.255218632504622	36	-1.53913865541443	0.133026457507817	0.0651365503775294	0.290750279278991
CHOL	CTCF	cg04487155	-0.274180330584357	36	-1.662439844651	0.105618216088708	0.0751748536793474	0.24767033918327
CHOL	CTCF	cg06241380	-0.309545504915209	36	-1.89817449001271	0.0661890393285904	0.0958184196132119	0.176896733733969
CHOL	CTCF	cg07967402	-0.310371076530055	36	-1.90377587029695	0.0654315660645013	0.0963302051464254	0.17543281924597
CHOL	CTCF	cg08324636	0.0578023202288803	36	0.337607011323209	0.737734919345643	0.00334110822384203	0.852388984339447
CHOL	CTCF	cg10218542	-0.299934155415253	36	-1.83330727077102	0.0755244502955947	0.0899604975846612	0.194857413856981
CHOL	CTCF	cg10481400	0.20553966957586	36	1.22463946641892	0.229128581319225	0.0422465557693538	0.419117619848084
CHOL	CTCF	cg23858565	0.0259574642567859	36	0.151407742496307	0.880548894630757	0.000673789950642317	0.93665628447651
CHOL	CXXC1	cg02159718	-0.248897223682117	36	-1.49846456397438	0.143240655335077	0.061949827956666	0.306047038662174
CHOL	CXXC1	cg07675399	-0.242862518159746	36	-1.45982579613024	0.153516814917589	0.058982202726893	0.320772665243989
CHOL	CXXC1	cg11871295	0.118203773817391	36	0.694106651197184	0.492331012416849	0.0139721321446729	0.677856544116987

CHOL	CXXC1	cg13423076	-0.056887938343559	36	-0.332248885704924	0.741741054276449	0.00323623752898057	0.854682044855616
CHOL	CXXC1	cg15632775	0.0152224443431197	36	0.0887716264880373	0.929784250496859	0.000231722811779378	0.962787361823849
CHOL	CXXC1	cg20016845	-0.218506543765488	36	-1.30565158502701	0.200437029827882	0.047745109668339	0.383453641122517
CHOL	CXXC1	cg27419474	-0.123010341266387	36	-0.72275643653969	0.474772190174368	0.0151315440584729	0.662607914505028
CHOL	DAXX	cg00221327	-0.312167880101398	14	-1.13826376432548	0.277225882630596	0.0974487853670008	0.473987828450444
CHOL	DAXX	cg02173004	0.0755353997233193	36	0.441705180480616	0.66149922251609	0.00570559661136162	0.803050694173131
CHOL	DAXX	cg02328295	-0.0234652073217567	36	-0.136862179533683	0.891946966489559	0.000550615954653026	0.942747782819607
CHOL	DAXX	cg03085224	-0.116884826392654	36	-0.686253742383077	0.497206702555613	0.0136620626408409	0.6817007088229
CHOL	DAXX	cg03369465	-0.113890451423453	18	-0.458545416711276	0.652727680754159	0.0129710349254379	0.797147505072823
CHOL	DAXX	cg03382121	-0.0598655980649449	36	-0.34970062920176	0.728720289500335	0.00358388983167353	0.846589092679946
CHOL	DAXX	cg03902329	-0.123786149730239	36	-0.727385465441559	0.471969221844209	0.0153230108650373	0.660093372240771
CHOL	DAXX	cg04086445	-0.133294769334595	36	-0.784233545076293	0.438332976851996	0.0177674955319628	0.631008060718434
CHOL	DAXX	cg04152866	0.114143697723032	36	0.669945003497758	0.507417715472202	0.0130287837298868	0.690184171041828
CHOL	DAXX	cg04271391	0.0935664268042932	36	0.547985323816713	0.587281998781033	0.00875467622492316	0.751196432252613
CHOL	DAXX	cg04488476	-0.117734496144193	36	-0.691312184301151	0.494062957024747	0.013861411582327	0.679319579982337
CHOL	DAXX	cg04973788	0.0712376770081312	36	0.416441491779945	0.679704278443598	0.00507480662551482	0.815196636612625
CHOL	DAXX	cg05431670	-0.160875367470002	36	-0.950436272452986	0.348598295661124	0.0258808867543648	0.547756080968339
CHOL	DAXX	cg05532204	-0.0267112158007818	36	-0.155807407744906	0.877106236126261	0.000713489049555936	0.934920074586898
CHOL	DAXX	cg06171013	-0.0647795973149574	36	-0.378521764324664	0.707396359728758	0.00419639622828804	0.833212597222266
CHOL	DAXX	cg07689821	-0.211300792956143	36	-1.26054653372471	0.216054720112644	0.0446480251038949	0.403266894513857
CHOL	DAXX	cg08375286	-0.0442489412604008	36	-0.258266410558482	0.797758316170179	0.0019579688026664	0.889441926881303
CHOL	DAXX	cg08567382	0.0501147477558237	36	0.29258432536641	0.771618063304674	0.00251148794262984	0.873389801192628
CHOL	DAXX	cg09097215	0.111034149172688	36	0.651463044580358	0.519127090830265	0.0123285822825026	0.699831124706415
CHOL	DAXX	cg09432361	0.0350150127056673	36	0.204296131845067	0.839340103687995	0.00122605111477804	0.914018411164563
CHOL	DAXX	cg09615909	-0.0227495541271948	36	-0.132685895464476	0.895223975968772	0.000517542212986164	0.944372396915615
CHOL	DAXX	cg11111423	-0.0276971574868553	36	-0.161562774849517	0.872606439403164	0.000767132532851662	0.93249190014739
CHOL	DAXX	cg12025215	0.158377781452492	36	0.935298005238735	0.356230594487834	0.0250835216578133	0.554991742310719
CHOL	DAXX	cg12832355	-0.111735711445736	36	-0.655631147625693	0.516473685919688	0.0124848692122848	0.697580671257813
CHOL	DAXX	cg12923297	0.117088968684566	33	0.65643915020174	0.516385168865372	0.0137098265876152	0.697509555444459
CHOL	DAXX	cg13443893	-0.178836146314481	36	-1.05987128799191	0.296674712339177	0.0319823672286145	0.494671466250036
CHOL	DAXX	cg13826470	-0.17677204969307	36	-1.04724146668454	0.302376230483756	0.0312483575526893	0.500761320424151
CHOL	DAXX	cg14539675	-0.17240261672027	36	-1.02055253969034	0.314673654547841	0.0297226622519962	0.513718674596968
CHOL	DAXX	cg14622330	-0.146355837080612	36	-0.862683210011565	0.39435612393392	0.0214200310475665	0.591108676402994
CHOL	DAXX	cg14746369	-0.151874741588188	36	-0.89596776362189	0.376569932785858	0.0230659371324789	0.575113157217509
CHOL	DAXX	cg14910283	-0.0455710789810231	36	-0.265999116156178	0.791846331360248	0.00207672323949464	0.885770632240052
CHOL	DAXX	cg16922466	0.145129721400292	36	0.855299794383746	0.398372463018466	0.0210626360337265	0.594974418861512
CHOL	DAXX	cg17079757	-0.0191886856773767	36	-0.111908907753461	0.911553716008673	0.000368205658025162	0.953021943356029
CHOL	DAXX	cg17504991	-0.0140751469277812	36	-0.0820796354399706	0.935064696806689	0.000198109761038628	0.965445053796877
CHOL	DAXX	cg18187593	-0.0449165858814226	36	-0.262171050085281	0.794771513111996	0.00201749968724321	0.887606080844577
CHOL	DAXX	cg18279148	-0.119101910101052	21	-0.522874996144478	0.607105558117684	0.014185264989719	0.76529513120007
CHOL	DAXX	cg18486541	-0.199920575366375	36	-1.18974571789898	0.242388324228821	0.0399682364548222	0.434778817040741
CHOL	DAXX	cg18944910	0.00921479320975298	36	0.0537332972874365	0.957462145141252	8.49124138985097e-05	0.977600167678701
CHOL	DAXX	cg18967278	-0.0908890212015779	36	-0.53217215638823	0.598067478651588	0.00826081417498088	0.758717123406078
CHOL	DAXX	cg20223162	-0.11636808087802	31	-0.630947854658508	0.533016192587161	0.0135415302472333	0.710149001158654
CHOL	DAXX	cg20763184	0.0718917646179558	36	0.420284933877424	0.676921728203258	0.00516842581988356	0.813389282441758
CHOL	DAXX	cg21286626	0.00397708433113036	36	0.0231903708206534	0.981633990576983	1.58171997769226e-05	0.990518921343635
CHOL	DAXX	cg24328964	-0.102502641990995	36	-0.600852827331799	0.551922857990539	0.010506791615134	0.724223034350706
CHOL	DAXX	cg24496586	-0.0358046354388459	36	-0.208909057573123	0.835765830155019	0.00128197191890866	0.912015247455177
CHOL	DAXX	cg24513883	-0.102109507661211	36	-0.598524013851615	0.553457175846386	0.010426351554815	0.725392090603888
CHOL	DAXX	cg24728112	0.000446055625693087	36	0.00260092915458927	0.997939962157253	1.98965621212451e-07	0.998954402831646
CHOL	DAXX	cg25642825	0.0499003886792171	36	0.291329704586412	0.772569170984119	0.00249004879033694	0.873905312113269
CHOL	DAXX	cg26521092	-0.137047917892502	36	-0.806731799756668	0.425428435373119	0.0187821317986699	0.620148248127892
CHOL	DAXX	cg27052777	0.0224989759650086	36	0.131223663705891	0.896371791622277	0.000506203919474035	0.945074841246231
CHOL	DAXX	cg27393652	-0.144155982800479	36	-0.849439011020574	0.401578796249055	0.0207809473771719	0.598166099438969
CHOL	DIDO1	cg00080059	-0.0608456157198304	36	-0.355446433311361	0.724450946360544	0.00370218895232527	0.843921728053969
CHOL	DIDO1	cg01488865	-0.0627042744514554	36	-0.366346522651057	0.716376430206264	0.00393182603448344	0.83876086286691
CHOL	DIDO1	cg06646488	0.00372780374831868	36	0.0217367953633092	0.982784981568898	1.38965207859788e-05	0.991091426929181

CHOL	DIDO1	cg08610063	-0.162407592668226	36	-0.9597325015201	0.343965568702127	0.0263762261562884	0.54326118061848
CHOL	DIDO1	cg13815390	0.18404900455038	36	1.09183259301488	0.282583407530717	0.0338740360759857	0.479806482428894
CHOL	DIDO1	cg20969846	-0.0274890809371371	36	-0.160348103515051	0.873555769226888	0.000755649570768476	0.933083405572305
CHOL	DIDO1	cg21212389	-0.138544153753532	36	-0.815710800478476	0.42034359821527	0.0191944825392822	0.615572763803207
CHOL	DIDO1	cg21687703	0.130188932927104	36	0.765641624780218	0.449172307097422	0.0169491582566981	0.64040228829149
CHOL	DIDO1	cg22394521	-0.182253085554797	36	-1.08081076852645	0.287388310840943	0.0332161871942441	0.48489570463401
CHOL	DMAP1	cg01604592	-0.190036567916104	36	-1.1286616730051	0.266941718759855	0.036113897145332	0.462679947178312
CHOL	DMAP1	cg11683482	-0.2122503582667	36	-1.26647792041565	0.213950142116075	0.0450502145843423	0.400539956581266
CHOL	DMAP1	cg15990015	-0.0120751733053776	36	-0.0704148884434876	0.944275988796332	0.000145809810354904	0.9701876527382
CHOL	DMAP1	cg18017761	-0.103468812369974	36	-0.606577351090347	0.548160605640371	0.0107057951332528	0.721354728925959
CHOL	DMAP1	cg18167340	0.0645733376593469	36	0.377311488175206	0.708287145279954	0.00416971593646802	0.833744252813048
CHOL	DMAP1	cg21437596	-0.129765343730536	36	-0.763107757509773	0.45066179372759	0.0168390444335042	0.641452605036788
CHOL	DMAP1	cg23021241	-0.161414912922915	36	-0.953708927790913	0.346962682014083	0.0260547741139121	0.546247507760276
CHOL	DMAP1	cg23451311	-0.205380729444821	36	-1.22365075345722	0.229496724479629	0.0421812440272866	0.419572734262162
CHOL	DMAP1	cg24485408	-0.145626482805192	36	-0.858290701884286	0.396742413828135	0.0212070724942109	0.59334793127912
CHOL	DNMT1	cg04160663	-0.0551712715055391	36	-0.322191758624399	0.749280207794228	0.00304386919953791	0.859537041733307
CHOL	DNMT1	cg04762346	0.045235866067306	36	0.264038446070143	0.793344180019793	0.00204628357885924	0.886808206630646
CHOL	DNMT1	cg06128182	-0.075933610210735	36	-0.44404724795096	0.659821853240073	0.00576591315963584	0.802021550459496
CHOL	DNMT1	cg06716436	0.071180083035211	36	0.416103093483179	0.679949489006362	0.00506660422089954	0.815329309433833
CHOL	DNMT1	cg10635912	0.0811014355557436	36	0.474461515366271	0.638204108336651	0.00657744284920243	0.78724590752452
CHOL	DNMT1	cg11380607	0.227992194884146	36	1.36537136135197	0.181102613157349	0.0519804409280906	0.358348820986804
CHOL	DNMT1	cg13393778	-0.120959711250042	36	-0.710527363391879	0.482222877384764	0.0146312517456936	0.669296102110086
CHOL	DNMT1	cg15043801	0.0152855267566208	36	0.0891395854265631	0.929493996710358	0.000233647328227371	0.962671899544514
CHOL	DNMT1	cg21893394	0.139625034181978	36	0.822200767593343	0.416691627113752	0.0194951501703186	0.612213798932695
CHOL	DNMT1	cg23401624	0.0501343139541857	36	0.292698846251815	0.77153126470846	0.00251344943565686	0.873324178411476
CHOL	DNMT1	cg24477899	0.10135689591976	36	0.59406655027552	0.556400011176318	0.010273220350489	0.727803848724231
CHOL	DNMT1	cg27429799	-0.194027787478875	36	-1.1532836591086	0.256837415180861	0.0376467823139474	0.451157447480749
CHOL	DNMT3A	cg02208653	0.0344110305928519	36	0.200767965831987	0.842076205838417	0.00118411902646219	0.915500383495578
CHOL	DNMT3A	cg03463641	-0.114804067536142	36	-0.673872536035327	0.504948187118914	0.0131799739228431	0.688118615224902
CHOL	DNMT3A	cg06112956	0.0387490880969467	36	0.226113886507825	0.822466676637001	0.00150149182834494	0.904585595761027
CHOL	DNMT3A	cg07150430	-0.112006919733146	36	-0.657242708756939	0.515449741602982	0.0125455500681075	0.696779560151032
CHOL	DNMT3A	cg12066181	-0.0417501406779204	36	-0.243655509335957	0.808961849995326	0.00174307424662615	0.896740879159527
CHOL	DNMT3A	cg13076778	-0.131357145554472	36	-0.772631967786374	0.445078321729806	0.0172546996882188	0.636981859937976
CHOL	DNMT3A	cg13344237	-0.0931541269086846	36	-0.545549445209495	0.588937266868654	0.00867769136011932	0.752361168858054
CHOL	DNMT3A	cg15990840	0.0164104327515857	36	0.0957013311102227	0.924319636065724	0.000269302303094317	0.960149040179687
CHOL	DNMT3A	cg15998962	0.0189086161825121	36	0.110274946739491	0.91283968529468	0.000357535765937559	0.953866463542531
CHOL	DNMT3A	cg21629895	-0.293124643478983	36	-1.78772278577429	0.08273737360224402	0.0859220566146809	0.207876220982777
CHOL	DNMT3A	cg21708767	0.0214065902901173	36	0.124849407119904	0.901378040021986	0.000458242107848943	0.947956498370603
CHOL	DNMT3A	cg22731525	-0.343598285765057	36	-2.13339303620978	0.0401919199599813	0.118059781980686	0.122885168266263
CHOL	DNMT3A	cg25044635	-0.0120859754046989	36	-0.0704778887559157	0.944226217307367	0.000146070801482987	0.970185463237239
CHOL	DNMT3A	cg26470599	-0.444424596168084	36	-2.89280128764393	0.00661672376740945	0.197513221679165	0.030986118996018
CHOL	DNMT3A	cg26995204	0.147298896951085	36	0.868364884278311	0.39128296406248	0.0216969650430063	0.588429671491911
CHOL	DNMT3B	cg00300969	0.102993969012564	36	0.603763705928221	0.550008125209754	0.010607757652961	0.722734571341638
CHOL	DNMT3B	cg13636640	0.0259483445857707	36	0.151354512362383	0.880590560831856	0.000673316586741893	0.936662183154264
CHOL	DNMT3B	cg14224313	-0.0222336314923479	36	-0.129675291118241	0.897587472786222	0.000494334369337522	0.945818194670396
CHOL	DNMT3B	cg16523653	0.0573040902474691	36	0.334687361750649	0.739916953016233	0.00328375875909008	0.853528365529513
CHOL	DNMT3B	cg16953106	0.129632656191503	36	0.762314121694363	0.451128917965383	0.0168046255512644	0.641777936511774
CHOL	DNMT3B	cg17475857	0.109593089322728	36	0.642904544013062	0.524598379635898	0.0120106452272995	0.703752480520695
CHOL	DNMT3B	cg17721173	0.197731361631754	36	1.1761843517944	0.247691103812347	0.0390976913727474	0.441026337918055
CHOL	DNMT3B	cg22605822	0.0770612506479084	36	0.45068060711339	0.655080805151296	0.00593843635141977	0.798946193300474
CHOL	DNMT3B	cg24403338	0.0673100662988132	36	0.393373888982421	0.696499323328704	0.00453064502515063	0.826005280104779
CHOL	DNMT3B	cg25803642	-0.246697099664661	36	-1.48435646329737	0.146927034941802	0.0608594589829557	0.311428307892282
CHOL	DNMT3L	cg09247319	0.00510585370369466	36	0.0297723754099641	0.976422669883437	2.60697420435325e-05	0.987543624613701
CHOL	DNMT3L	cg15635600	0.044139983035554	36	0.257629214492027	0.798246025989832	0.001948338102379	0.889804100304595
CHOL	DNMT3L	cg27187798	0.082530286175497	36	0.482877437430191	0.632277549358138	0.00681124813620943	0.783225833698999
CHOL	DPF1	cg06168449	-0.159674620009676	35	-0.929182548976889	0.3595418605323	0.0254959842752344	0.558439313622387
CHOL	DPF1	cg06615189	-0.0222056131985026	36	-0.129511796730966	0.897715852622218	0.000493089257521514	0.945905264825489

CHOL	DPF1	cg07480327	0.4878082950537	8	1.3687844036829	0.220098123626139	0.237956932723197	0.408267088613746
CHOL	DPF1	cg08057062	-0.185267455443551	36	-1.09931684559558	0.279353284943005	0.0343240300465281	0.476401548739639
CHOL	DPF1	cg13322582	-0.226059810972433	36	-1.3531728968357	0.184929802074673	0.0511030381368921	0.363471563152709
CHOL	DPF1	cg13917712	-0.0457075798306892	36	-0.266797539358058	0.791236607655484	0.00208918285397883	0.885427553010007
CHOL	DPF1	cg17121541	-0.072065979366369	36	-0.421308717655731	0.67618131019238	0.00519350538203392	0.812884395850588
CHOL	DPF1	cg22145401	-0.174635660995105	34	-1.00330616393708	0.323240005140232	0.0304976140911971	0.522672589110066
CHOL	DPF2	cg02186298	0.206726153779994	36	1.23202338787059	0.226393083748281	0.0427357026566697	0.41591709238429
CHOL	DPF2	cg14699126	-0.196446611064475	36	-1.16823434292614	0.250838904847123	0.0385912709987172	0.444454202566384
CHOL	DPF2	cg15918224	-0.0425655907576667	36	-0.248423064234377	0.805301498266885	0.00181182951654916	0.894241748949188
CHOL	DPF2	cg15929437	-0.100860705865876	36	-0.591128349398614	0.558344172900262	0.0101728819877628	0.729400950236826
CHOL	DPF2	cg18224556	-0.153306218485979	36	-0.904614881498166	0.372035066310091	0.0235027966264707	0.57068117812338
CHOL	DPF2	cg19517014	-0.232960239210406	36	-1.39681145468064	0.171521703632107	0.0542704730529695	0.345700149082156
CHOL	DPF3	cg00888802	-0.19641397694423	36	-1.16803248540633	0.250919208232803	0.0385784503390486	0.444551037707582
CHOL	DPF3	cg05151458	-0.153487205858335	36	-0.905708585360082	0.371464017192159	0.0235583223621989	0.570093183812734
CHOL	DPF3	cg07171024	-0.103425397691078	35	-0.597337067249507	0.554359307432451	0.0106968128875577	0.72604848584801
CHOL	DPF3	cg10266394	-0.263429305479123	36	-1.59228518505165	0.120576547360793	0.069394998985213	0.271525847431991
CHOL	DPF3	cg12913429	-0.103439055114687	31	-0.560040532303884	0.579752612251352	0.0106996381230193	0.745672817893686
CHOL	DPF3	cg13819165	-0.0564732948820366	36	-0.329819421300265	0.743559923018767	0.00318923303483346	0.85593961240725
CHOL	DPF3	cg14238615	-0.127073184849005	36	-0.747013408779162	0.460190524019372	0.0161475943076694	0.650041522029776
CHOL	DPF3	cg14242696	-0.186858909101757	36	-1.10910015627885	0.275170581747247	0.0349162519106988	0.471682760880506
CHOL	DPF3	cg15392845	-0.130418961372908	36	-0.767017810008721	0.448364566223655	0.017009105485588	0.639743095719215
CHOL	DPF3	cg15740492	-0.11930146338302	36	-0.700645047028211	0.488291990220306	0.0142328391653301	0.674326973783968
CHOL	DPF3	cg16696021	-0.219198203657733	36	-1.30999274458081	0.198980474532487	0.0480478524867771	0.381711954376747
CHOL	DPF3	cg19710444	-0.131934164268441	36	-0.776085935026049	0.443063690711875	0.017406623701212	0.635337537653492
CHOL	DPF3	cg19839347	-0.240350808322631	36	-1.44379734392287	0.157947961658038	0.0577685110613422	0.326931772276112
CHOL	DPF3	cg20548765	-0.114911254617286	36	-0.674510113704532	0.504547920219556	0.0132045964377187	0.687777968872069
CHOL	DPF3	cg21035356	-0.115527605216728	36	-0.678176797398468	0.502249397529645	0.0133466275671122	0.685918747808598
CHOL	DPF3	cg22784589	-0.237648046649702	36	-1.42658406427411	0.162818707675733	0.0564765940764187	0.333545438728823
CHOL	DPF3	cg23515460	-0.165755273115759	36	-0.980068390627507	0.333975077434729	0.0274748105656799	0.533561777096918
CHOL	DPF3	cg24383902	-0.21900913414457	36	-1.30880585604221	0.199377897064378	0.0479650008387541	0.382133191855582
CHOL	DPF3	cg25495195	-0.337635111735516	36	-2.09155640511486	0.0440211692834425	0.113997468676655	0.131441730376761
CHOL	DPF3	cg26057784	0.0454496425477081	36	0.265288820558117	0.792388867390887	0.00206567000771444	0.886183706370009
CHOL	EED	cg00080012	0.0514402622521547	36	0.300343327194938	0.765744105854547	0.00264610058057045	0.870078379588329
CHOL	EED	cg01739327	0.171863301389694	36	1.01726269014501	0.316212974582456	0.0295369943645648	0.515474459257106
CHOL	EED	cg02172616	0.0263142279028903	36	0.153490147504867	0.878919152117107	0.000692438590125248	0.935697233349594
CHOL	EED	cg04607174	0.225693818567968	36	1.35086441648915	0.185661057765528	0.0509376997397909	0.364426521530328
CHOL	EED	cg06358433	0.0343352670191986	36	0.200325407978009	0.842419552031781	0.00117891056127967	0.915728735408695
CHOL	EED	cg10086030	0.200012244274674	36	1.19031397589068	0.242167957679069	0.0400048978597919	0.43453382769428
CHOL	EED	cg10535675	0.0900627324506748	21	0.394176244359715	0.697840081610079	0.00811129577648183	0.826728359955793
CHOL	EED	cg12672785	-0.0532463104733622	36	-0.310917740052752	0.757761404224732	0.00283516957902568	0.864955184368389
CHOL	EED	cg16265078	-0.0340915670943364	36	-0.198901906724342	0.843524147778127	0.00116223494694764	0.916394556290143
CHOL	EED	cg18574463	-0.023632268317187	36	-0.137837115018062	0.891182238020191	0.000558484105815519	0.942418343236566
CHOL	EED	cg19325359	0.0633812208271504	28	0.32383318430848	0.748654945650021	0.00401717915354	0.859169423049264
CHOL	ELP3	cg01209934	-0.086279800511915	36	-0.504976451198349	0.616833045883547	0.00744420397637584	0.772384148139532
CHOL	ELP3	cg02516513	0.175007047300001	36	1.03645306691576	0.307306414102817	0.0306274666046647	0.505820518771862
CHOL	ELP3	cg04720865	-0.11699689597826	36	-0.686920852109332	0.496791467610106	0.0136882736685478	0.681395596305592
CHOL	ELP3	cg05621091	-0.195763659883469	36	-1.1640108065741	0.252523028997961	0.0383234105309704	0.44644175437737
CHOL	ELP3	cg15692687	-0.270109052518557	36	-1.63579585607969	0.111107768450386	0.0729589002524727	0.256743234682745
CHOL	ELP3	cg17572663	-0.229475483778258	36	-1.37474638172913	0.178203222057591	0.0526589976552654	0.354773811463513
CHOL	ELP3	cg18022570	-0.203602397180119	36	-1.21259521864476	0.233643179642093	0.0414539361374908	0.424526613268306
CHOL	ELP3	cg18249244	-0.102052190962579	28	-0.523097179445265	0.605336464128349	0.0104146496802628	0.764014226688528
CHOL	ELP3	cg19781013	-0.197808689172736	36	-1.17666305371566	0.247502488022508	0.0391282775122362	0.44080819309477
CHOL	ELP3	cg22414525	0.268139099511864	36	1.62293783799818	0.11383995015544	0.0718985766870331	0.26110221954102
CHOL	ELP3	cg22487209	-0.213515419166149	36	-1.2743858659538	0.211168315568309	0.0455888342216963	0.397071157819807
CHOL	ELP3	cg25374552	-0.0582704594250248	36	-0.340350558168261	0.735686507793875	0.00339544644160346	0.850995437933129
CHOL	ELP4	cg04972224	-0.148057203013522	36	-0.872935223115131	0.388821967360123	0.0219209353641872	0.586508757078576
CHOL	ELP4	cg05195750	0.335298950663413	36	2.0752442382832	0.0455992586921591	0.112425386315986	0.134895567201499

CHOL	ELP4	cg05635455	-0.0445639267425509	36	-0.260108521864122	0.796348828728132	0.00198594356671544	0.888484467824802
CHOL	ELP4	cg08111895	0.00469871225183687	36	0.0273982675579126	0.978302267419956	2.20778968255619e-05	0.988739781322494
CHOL	ELP4	cg08626560	0.0446864938851086	36	0.260825345144173	0.795800540192765	0.00199688273574385	0.888198838972216
CHOL	ELP4	cg09616795	0.356482551035756	36	2.2247973886133	0.0328361961287809	0.127079809192961	0.105556158745553
CHOL	ELP4	cg10583382	0.0607831481853328	36	0.355080158059852	0.724722837041312	0.00369459110332012	0.844052564908
CHOL	ELP4	cg11385473	-0.0689017695722759	36	-0.402719988405506	0.689675284624356	0.00474745385019101	0.82163245163962
CHOL	ELP4	cg13263383	-0.184224557932365	35	-1.07671843242733	0.289414801407778	0.0339386877453752	0.486918784127039
CHOL	ELP4	cg19328333	0.0676699069651934	36	0.395486520415648	0.694954517718603	0.00457921630867793	0.825091443614569
CHOL	ELP4	cg24001477	0.0828111478680453	36	0.484532062117873	0.631115229986319	0.0068576862112327	0.782297294479855
CHOL	ELP4	cg24531794	0.067205555928241	36	0.39276033532312	0.696948214873758	0.00451658674762393	0.826191873999401
CHOL	ELP4	cg25130734	0.08801562912251	36	0.515214398160767	0.60973698788862	0.00774675096983122	0.767178496107123
CHOL	EP300	cg00500400	-0.0759696854213369	36	-0.444259434161051	0.659669975284178	0.00577139310301689	0.801912119028945
CHOL	EP300	cg02046995	0.150139857300522	36	0.885495583396166	0.38210941488348	0.0225419767502212	0.580559740272752
CHOL	EP300	cg07519229	-0.411518178349595	35	-2.59379847518738	0.014046366993285	0.169347211112169	0.0554907106375997
CHOL	EP300	cg08131204	-0.219937833618517	36	-1.31463728091827	0.19743109195156	0.0483726506568065	0.379744208312285
CHOL	EP300	cg09331127	0.28528325552496	36	1.73559878353311	0.091691296594607	0.0813865358829193	0.223816527369967
CHOL	EP300	cg24349919	0.186334489814859	36	1.10587534330074	0.276544340170479	0.0347205420945639	0.473159765854372
CHOL	EPC1	cg02900516	-0.140070934160288	36	-0.824878971883322	0.415190289400594	0.0196198665965357	0.610848275049883
CHOL	EPC1	cg16942190	-0.0259078044140227	36	-0.151117885997719	0.88077578569158	0.000671214329555252	0.936772166165112
CHOL	EPC1	cg26211455	-0.0427730560026004	36	-0.249636095391944	0.804370885261113	0.00182953431980159	0.893586471591677
CHOL	EPC2	cg00066942	-0.260856128417568	36	-1.57559010878959	0.124380671223888	0.068045919733003	0.277447497827705
CHOL	EPC2	cg03664802	0.0178051530086229	36	0.10383745143313	0.917908446664068	0.000317023473660473	0.95678546621179
CHOL	EPC2	cg04098458	-0.151121927925812	36	-0.891422563955719	0.378967828232069	0.0228378371000144	0.577523570550963
CHOL	EPC2	cg05586854	0.124629855916328	36	0.732421158688262	0.468930856677544	0.0155326009857248	0.657861978876605
CHOL	EPC2	cg10458926	-0.00447123103772426	36	-0.0260717937054494	0.979352501407099	1.99919069927088e-05	0.989361337209135
CHOL	EPC2	cg11721798	0.0856769421031628	36	0.501421870900683	0.619305590696625	0.0073405384081487	0.774134476141291
CHOL	EPC2	cg12432635	0.0415757808730008	36	0.242636172799174	0.809745028800275	0.00172854555519978	0.897212715716971
CHOL	EPC2	cg16434205	0.232904656955921	36	1.39645907060385	0.171626848748447	0.0542445792317553	0.345837344780173
CHOL	EPC2	cg21347644	0.155348419620603	36	0.916961309241461	0.365621717049058	0.0241331314786191	0.564494331000346
CHOL	EPC2	cg21650422	0.101162829502797	36	0.592917328290362	0.557160022713642	0.010233918073012	0.728416691432258
CHOL	EZH1	cg00728999	-0.185705654095562	36	-1.10200973286291	0.27819750293399	0.0344865899630604	0.475064981444475
CHOL	EZH1	cg01716316	0.0150058849414443	36	0.0875084462142873	0.930780747789449	0.000225176582875865	0.963372900695398
CHOL	EZH1	cg03623386	-0.285994235904481	36	-1.74030901069227	0.0908500287645695	0.0817927029705879	0.222293109948762
CHOL	EZH1	cg05375741	-0.239682735807355	36	-1.43953924500327	0.159141992509597	0.0574478138440984	0.328581457754966
CHOL	EZH1	cg05979501	-0.283640558744469	36	-1.72472786823777	0.0936578721890935	0.0804519665648746	0.227283292543854
CHOL	EZH1	cg06975499	-0.1251866193307	36	-0.735745105971115	0.46693150902985	0.0156716896594497	0.656090119136857
CHOL	EZH1	cg12812489	-0.17419042132486	36	-1.03146501800917	0.309604595737992	0.0303423028813324	0.508248326000577
CHOL	EZH1	cg19395400	0.0444084159270951	36	0.259199047311749	0.797044624784198	0.00197210740515388	0.888951979763185
CHOL	EZH1	cg22227424	-0.0250328210785914	36	-0.146010930971213	0.884775018041872	0.000626642131152772	0.938895641525258
CHOL	EZH1	cg27088844	-0.194192405471231	36	-1.15430046167414	0.256426184692513	0.037710690342703	0.450699681705551
CHOL	EZH2	cg01893439	-0.0612845767622997	36	-0.358020377816868	0.722541301030144	0.00375579934893421	0.842795123584416
CHOL	EZH2	cg02303805	-0.00644952357607028	36	-0.0376076438953115	0.970220463556484	4.15963543582864e-05	0.984298837253315
CHOL	EZH2	cg06816161	0.237647556362147	36	1.42658094494478	0.16281960094258	0.0564763610449	0.333545438728823
CHOL	EZH2	cg13751213	-0.0162248472714935	36	-0.0946187587502361	0.925173090158424	0.000263245668983291	0.960618337451796
CHOL	EZH2	cg18494018	0.14720084442793	36	0.867774032542426	0.391601840472189	0.0216680886002957	0.58867023975756
CHOL	EZH2	cg20101066	-0.0727827745218581	36	-0.425521417753536	0.673138061028372	0.00529733226709964	0.81088437912698
CHOL	FBXL19	cg00026853	-0.179654718651548	36	-1.06488397167103	0.294432772898098	0.0322758179337667	0.49220180365383
CHOL	FBXL19	cg02291855	0.292622753395532	36	1.78437491675965	0.0832893835602588	0.0856280758047825	0.208858405205389
CHOL	FBXL19	cg03181514	-0.164636329775968	36	-0.97326739758966	0.337294260353915	0.0271051210821013	0.536868945063375
CHOL	FBXL19	cg03627896	0.101105056712718	36	0.592575222752859	0.557386368323733	0.010222324928819	0.728651382771959
CHOL	FBXL19	cg04477789	-0.165847301636913	36	-0.980627917350805	0.333702986661849	0.0275053274602454	0.533291360635426
CHOL	FBXL19	cg05643349	-0.229663442446646	36	-1.37593508096971	0.177838187548314	0.0527452967964441	0.354328184457255
CHOL	FBXL19	cg05768582	-0.0284495283724829	36	-0.165955004937107	0.86917528886269	0.000809375664616708	0.930580358895956
CHOL	FBXL19	cg06862768	-0.177007337106344	36	-1.04868042249883	0.301722819965962	0.0313315973894788	0.500132639913749
CHOL	FBXL19	cg07697662	-0.201401947497145	36	-1.19893278184978	0.238843677964739	0.0405627444556427	0.430634924411637
CHOL	FBXL19	cg08535091	-0.209807052121759	36	-1.25122354943437	0.219394118159242	0.0440189991200225	0.407350897391208
CHOL	FBXL19	cg08593668	-0.234556922929676	36	-1.40694041404615	0.168520885708643	0.0550169500942379	0.341679840048428

CHOL	FBXL19	cg09011601	-0.214053766127496	36	-1.27775312857051	0.209992119526477	0.0458190147933649	0.395567023740684
CHOL	FBXL19	cg11940219	0.336855766136548	20	1.51786785149601	0.146415541884294	0.113471807179441	0.310623433018266
CHOL	FBXL19	cg26666512	-0.188239998723211	36	-1.11759760374364	0.271574025683933	0.0354342971193145	0.467873541225908
CHOL	FBXL19	cg27602786	-0.206225368440319	36	-1.22890612888795	0.227544942079817	0.0425289025883454	0.417255120312967
CHOL	FBXW9	cg02753619	-0.315552640940857	36	-1.93904164395427	0.0608320327456345	0.0995734692047491	0.166281347695499
CHOL	FBXW9	cg03160342	-0.330200778582919	36	-2.03979551920601	0.049201265255641	0.109032554176766	0.142611991106127
CHOL	FBXW9	cg05868316	-0.166748598543968	36	-0.986109132111254	0.331045442108204	0.0278050951163774	0.530690511114525
CHOL	FBXW9	cg06489804	-0.141756062213756	36	-0.835004976472946	0.409544135558488	0.0200947811743502	0.605486164344381
CHOL	FBXW9	cg12110584	-0.27187266626433	36	-1.64732587677043	0.108703963604027	0.0739147466616759	0.252840882156662
CHOL	FBXW9	cg14342428	0.0668459170188037	36	0.390649087293897	0.698493704802216	0.00446837662208478	0.827084419418615
CHOL	FBXW9	cg15828427	0.349092847637505	36	2.17220079165104	0.0369067551882596	0.121865816271662	0.115375692711109
CHOL	FBXW9	cg19721801	-0.232939987285595	36	-1.39668305850376	0.171560008924737	0.0542610376766129	0.345738314644221
CHOL	FBXW9	cg21564527	-0.160197350113535	36	-0.946324821612494	0.35066036572786	0.0256631909833984	0.549661196235371
CHOL	FBXW9	cg22303873	0.0434786820320255	36	0.253762072219334	0.801207694164663	0.00189039579124198	0.891475878455677
CHOL	FKBP1A	cg04613791	0.0522340080916466	36	0.304990339183238	0.762232782472529	0.0027283916013182	0.867824513134385
CHOL	FKBP1A	cg07516946	-0.1877535463203	36	-1.11460382084702	0.272837293013939	0.0352513941558491	0.469146967649161
CHOL	FKBP1A	cg10996143	-0.0634719635621157	36	-0.370849739446601	0.713050141892522	0.00402869015843054	0.836730111447121
CHOL	FKBP1A	cg21332426	-0.134492629623439	36	-0.791410337786982	0.434191177427071	0.0180882674230277	0.627651405509467
CHOL	FKBP1A	cg21775445	-0.0814075073592151	36	-0.476264026906995	0.636932713640674	0.00662718225444066	0.786316921438351
CHOL	FKBP1A	cg24641773	-0.120136267238175	36	-0.705619305642717	0.485231738908762	0.0144327227059223	0.671865974239432
CHOL	FKBP1A	cg26779912	-0.246671568810685	36	-1.48419289296037	0.146970215474862	0.0608468628595246	0.311468915295069
CHOL	FKBP2	cg03764062	0.278364321138902	36	1.68992219109322	0.100193336849407	0.0774866952831215	0.238565988789698
CHOL	FKBP2	cg04446112	-0.0715031208516831	36	-0.418001183872735	0.67857455037467	0.0051126962915304	0.814453533846609
CHOL	FKBP2	cg06615912	-0.136357440354309	36	-0.80259010462522	0.427786482608856	0.0185933515399789	0.622066978806564
CHOL	FKBP2	cg09854726	0.136121585128366	36	0.801175646373254	0.428593612936283	0.018529085937859	0.622760969170299
CHOL	FKBP2	cg10998122	-0.109401496370178	36	-0.641766977617087	0.525327921149912	0.0119686874080341	0.704293942335096
CHOL	FKBP2	cg12423493	0.109109657603833	36	0.640034349550804	0.526440127349884	0.0119049173824256	0.705153126262214
CHOL	FKBP2	cg15010817	-0.0793209810384674	36	-0.463978762851494	0.645620022768791	0.00629181803290491	0.792223162422716
CHOL	FKBP2	cg16977872	-0.0336589195759018	36	-0.196374811160678	0.845485891637979	0.00113292286701703	0.917476983247079
CHOL	FKBP2	cg19924313	-0.0135068359386543	36	-0.0787648956593654	0.937681377890067	0.000182434617073723	0.96664874103142
CHOL	FKBP2	cg21809711	-0.143351306827708	36	-0.844597692111459	0.404239565183716	0.0205495971692118	0.600690083617895
CHOL	FKBP2	cg22074794	0.0012767694948198	36	0.00744478757312694	0.994103485645399	1.63014034290241e-06	0.996961320110585
CHOL	FKBP2	cg24677501	-0.0379159975489065	36	-0.22124544871	0.826224709963104	0.00143762287012869	0.906537546005327
CHOL	FKBP5	cg00130530	-0.155126625410768	36	-0.91561983970924	0.366315033111543	0.0240642699113328	0.565217019435111
CHOL	FKBP5	cg00140191	0.167692828806489	36	0.991854172420661	0.328275371187514	0.0281208848331224	0.527881562407736
CHOL	FKBP5	cg00610228	0.315998610453289	36	1.94208585025373	0.060448433137405	0.0998551218084097	0.165535029751192
CHOL	FKBP5	cg01294490	-0.202258063099887	36	-1.20424608090921	0.236811160845279	0.040908324088918	0.428150020735784
CHOL	FKBP5	cg07485685	0.258827070263775	36	1.56245077475475	0.127442874402318	0.0669914523013292	0.2822573941994
CHOL	FKBP5	cg07843056	0.192073213175021	36	1.14121847023843	0.261753531334742	0.0368921192193769	0.457088918194683
CHOL	FKBP5	cg08636224	-0.108701573916888	36	-0.6376118635937	0.527997270153464	0.0118160321720086	0.706479379767079
CHOL	FKBP5	cg08915438	-0.555891664815525	36	-3.89937929610015	0.000431655310432661	0.309015543011376	0.00331100307826843
CHOL	FKBP5	cg10913456	0.150700612891224	36	0.888879518940538	0.380313726616088	0.0227106747257905	0.578717584978072
CHOL	FKBP5	cg16012111	0.130072068037886	36	0.764942508425223	0.449582977945825	0.0169187428836523	0.640778962045754
CHOL	FKBP5	cg17030679	-0.168203651065681	36	-0.99496337041207	0.326782784808943	0.0282924682318254	0.52627554003575
CHOL	FKBP5	cg20813374	-0.143730314468158	36	-0.846877771242828	0.402985072767001	0.0206584032971156	0.599503198340812
CHOL	FKBP5	cg25114611	-0.37418652413906	36	-2.35278532861787	0.0245594810585228	0.140015554847272	0.0850507598587393
CHOL	FMR1	cg02921434	-0.0963969945946893	36	-0.564716140708	0.575974036956219	0.00929238056688856	0.74267924535855
CHOL	FMR1	cg03513471	-0.143515438563786	36	-0.845585048642619	0.403696025309217	0.0205966811061559	0.600170630705089
CHOL	FMR1	cg04552106	-0.0457466046693255	36	-0.267025806890311	0.791062313423472	0.00209275183877155	0.885300614424145
CHOL	FMR1	cg04744025	-0.106001849714097	36	-0.621593787761407	0.538354857087098	0.0112363921428101	0.714043233120791
CHOL	FMR1	cg05288927	-0.120255341485448	36	-0.706328944435671	0.484796042475016	0.0144613471557818	0.671501732930372
CHOL	FMR1	cg07147350	-0.356748360098884	36	-2.22669810874267	0.0326969142125939	0.127269392433243	0.105250454586561
CHOL	FMR1	cg08434396	-0.134753345479181	36	-0.792972843117494	0.43329258037778	0.0181584641178316	0.626850951786174
CHOL	FMR1	cg14470409	-0.140290206988184	36	-0.826196175586226	0.414453122721124	0.0196813421767876	0.610019416297104
CHOL	FMR1	cg16783314	-0.0930082891652029	36	-0.544687899840674	0.589523256360508	0.008650541853438	0.752652457704518
CHOL	FMR1	cg22625568	-0.115490969540866	20	-0.493287504863475	0.627773787632739	0.0133381640454892	0.780032168459826
CHOL	FXR2	cg01807919	-0.0838404181626464	36	-0.490596741048509	0.626863152993435	0.00702921571768742	0.779403868697083

CHOL	FXR2	cg01933235	-0.165946173304795	36	-0.981229079265715	0.333410815728152	0.0275381324345052	0.532999630083551
CHOL	FXR2	cg05529097	-0.325511239580617	36	-2.00736515705607	0.0527125571100828	0.10595756709331	0.149907536750933
CHOL	FXR2	cg05913233	-0.219455916913446	36	-1.31161079560942	0.198439654434137	0.0481608994683214	0.381078051168213
CHOL	FXR2	cg09625173	-0.40054920664102	36	-2.54899731976883	0.0154861310669594	0.160439666940751	0.0598473959375578
CHOL	FXR2	cg17777561	-0.184207912992584	36	-1.0928083811324	0.282160774667265	0.0339325552090835	0.479298104776846
CHOL	FXR2	cg19178740	-0.348901612097438	36	-2.17084586050102	0.0370173049044452	0.121732334924191	0.115620890810316
CHOL	FXR2	cg22521096	-0.275584326661493	36	-1.67165043846058	0.103773575445016	0.0759467211014683	0.244598137499458
CHOL	FXR2	cg26904212	0.104106768431117	36	0.610358167480361	0.545683067674411	0.0108382192331703	0.719518442120428
CHOL	G2E3	cg02259031	0.267651263623763	36	1.61975709705423	0.114524281521361	0.0716371989193968	0.262192523739633
CHOL	G2E3	cg05076167	-0.590553941545048	36	-4.26703772539776	0.00014967331708799	0.348753957874392	0.00135960836402885
CHOL	G2E3	cg07906495	0.0976134980705824	36	0.571910829284506	0.571144535734182	0.00952839500557559	0.739093233587354
CHOL	G2E3	cg08810065	-0.115205501282962	36	-0.676260495037474	0.503449941829964	0.0132723075258586	0.686846914782368
CHOL	G2E3	cg09837748	-0.104382402760911	36	-0.611991936624359	0.544614270142408	0.0108956860061411	0.718742642228756
CHOL	G2E3	cg18580322	-0.24155540404387	36	-1.4514805930871	0.15581141511966	0.0583490132227975	0.323983461038111
CHOL	G2E3	cg18755078	-0.339651320853352	36	-2.10566957152928	0.0426948736150309	0.115363019757427	0.128423036693644
CHOL	G2E3	cg18956956	-0.572531471249109	36	-4.0718059872308	0.000263455230605774	0.327792285570669	0.00218825925792714
CHOL	G2E3	cg19554565	0.13091560534656	36	0.769989499088737	0.446623299347548	0.0171388957232562	0.638405270430775
CHOL	G2E3	cg21061067	-0.126882755456916	36	-0.745875617770522	0.46086858800845	0.0160992336323395	0.650591764091046
CHOL	G2E3	cg22926526	-0.0840004592538658	36	-0.491539878661213	0.626203056055966	0.00705607715486037	0.778839300102606
CHOL	GADD45	cg01810953	-0.113220421723174	36	-0.664455350300816	0.510880536941108	0.0128188638951733	0.693081900092428
CHOL	GADD45	cg02639608	-0.0513064451008302	36	-0.299559946595881	0.766336533036368	0.00263235130888451	0.870451959453799
CHOL	GADD45	cg04718306	0.0208811055886255	36	0.121783275099728	0.903787608957174	0.000436020570603327	0.949009316765618
CHOL	GADD45	cg07000785	0.131921558065605	36	0.776010467189822	0.443107651351798	0.0174032974824567	0.635377152033284
CHOL	GADD45	cg22224769	0.000416669257474087	36	0.00242957860729586	0.998075678222795	1.73613270124007e-07	0.998970965558325
CHOL	GADD45	cg23369529	-0.273065981439663	36	-1.65513759899861	0.107099901588314	0.0745650302196062	0.250164532177189
CHOL	GADD45	cg23723105	-0.120930882673625	36	-0.710355508391092	0.482328052978093	0.014624278384222	0.669357808536808
CHOL	GATAD2A	cg02887458	0.0260434421295208	36	0.151909584135859	0.880156092126274	0.000678260877953697	0.936404904622083
CHOL	GATAD2A	cg08505228	-0.00587605112643418	36	-0.0342635629807499	0.972867348660587	3.45279768404684e-05	0.98571558376793
CHOL	GATAD2A	cg08870822	-0.218404443991882	36	-1.30501093749003	0.200652667969774	0.0477005011554033	0.383678439977402
CHOL	GATAD2A	cg09334331	-0.0729765797287706	36	-0.426660550198563	0.672316109931677	0.00532558118890961	0.810333407536329
CHOL	GATAD2A	cg11795262	-0.0847247219097669	36	-0.49580850853558	0.623219382113557	0.00717827850268733	0.776730300263414
CHOL	GATAD2A	cg14948912	-0.173475120778085	36	-1.02709768048084	0.311626507880621	0.0300936175289711	0.510479523143083
CHOL	GATAD2A	cg15264323	-0.139725275960335	36	-0.822802804205844	0.416353848515924	0.0195231527421919	0.611913989485525
CHOL	GATAD2A	cg22191731	-0.271212322524795	36	-1.64300664103668	0.109599366920111	0.0735561238892932	0.25430008202646
CHOL	GATAD2A	cg26631329	-0.31623762558383	36	-1.94371796582886	0.0602436342593747	0.10006235834899	0.165159811914208
CHOL	GATAD2E	cg02134200	0.32837852590265	36	2.02717386042139	0.050542716954429	0.107832456273997	0.14545428095416
CHOL	GATAD2E	cg02940454	0.134975020777113	36	0.794301505041209	0.432529351423047	0.0182182562337821	0.626223290216397
CHOL	GATAD2E	cg09805553	-0.135181036201538	36	-0.795536414815994	0.431820706446659	0.0182739125485215	0.625638992016079
CHOL	GATAD2E	cg10226922	-0.143507085707231	36	-0.845534799190909	0.403723676593567	0.0205942836481826	0.600200269395351
CHOL	GATAD2E	cg10489353	0.172046082048021	36	1.01837755522778	0.315690752011885	0.0295998543480744	0.514923884408458
CHOL	GATAD2E	cg15064304	-0.0188961341863485	36	-0.110202125795432	0.912897002824548	0.000357063887188488	0.953887918734911
CHOL	GATAD2E	cg20773694	-0.168973134075659	36	-0.999648504815583	0.324542371950498	0.0285519200393506	0.523922671414774
CHOL	GATAD2E	cg23046518	0.435017116458614	36	2.81708283760927	0.00801398343610001	0.189239891611968	0.0359862883487103
CHOL	GATAD2E	cg23323627	-0.0899147383768501	36	-0.526420799194988	0.602013410667331	0.00808466017737739	0.761555771298972
CHOL	GATAD2E	cg26398333	0.274347741594055	36	1.66353750093946	0.105396967852044	0.0752666833177585	0.247308068923265
CHOL	GLYR1	cg00636946	0.202996277593154	31	1.11641266976754	0.273410657546155	0.0412074887166767	0.46977888270045
CHOL	GLYR1	cg00885266	0.0183619115260359	36	0.107085476786313	0.915350563923861	0.000337159794889971	0.955252252333548
CHOL	GLYR1	cg01261535	-0.109529674265088	36	-0.642528014631797	0.524839794576745	0.0119967495446162	0.703918538339453
CHOL	GLYR1	cg01565912	0.0839739990414621	36	0.491383943431877	0.626312172717747	0.00705163251501548	0.778925200863352
CHOL	GLYR1	cg02454264	-0.291812395911143	36	-1.77897281157219	0.0841866692094665	0.0851544744074015	0.210556176328507
CHOL	GLYR1	cg06399529	0.054299340328484	36	0.317084635525522	0.753118333345657	0.00294841836010852	0.861890853149173
CHOL	GLYR1	cg06976003	-0.102551013807182	36	-0.601139387544411	0.55173421125667	0.0105167104328808	0.724036558602274
CHOL	GLYR1	cg11289281	0.310516167672326	36	1.90476078399698	0.0652991509663069	0.096420290385908	0.17518647274797
CHOL	GLYR1	cg15663121	0.140032243352701	36	0.824646563441245	0.41532043961098	0.0196090291783901	0.610960767715458
CHOL	GLYR1	cg18354686	-0.213420645977844	36	-1.27379320287511	0.211375848789088	0.0455483721296003	0.397379950078743
CHOL	GTF2B	cg02705666	-0.117655480505949	36	-0.690841706174879	0.494354882827889	0.0138428120930858	0.679491214437133
CHOL	GTF2B	cg04270788	0.415935525466069	36	2.6669405776444	0.0116350431299959	0.173002361344735	0.0479702892962029

CHOL	GTF2B	cg05306856	-0.195508883854528	35	-1.14521343990164	0.260358618637718	0.0382237236660433	0.455510309174539
CHOL	GTF2B	cg06356032	0.0018712946145538	35	0.0107497879649502	0.991487801647434	3.50174353445804e-06	0.995493114974775
CHOL	GTF2B	cg07167781	0.156774003908183	36	0.925587018566691	0.361184121864971	0.0245780883014029	0.560036128559621
CHOL	GTF2B	cg10430205	0.308075707624799	35	1.86023878647187	0.0717839485353126	0.0949106416285209	0.187750517941661
CHOL	GTF2B	cg12074130	-0.0323085321005613	36	-0.18848789787814	0.851614758911397	0.001043841246493	0.920863367754122
CHOL	GTF2B	cg13868361	-0.00772460389958629	36	-0.0450431376161411	0.964336442421882	5.96695054055037e-05	0.98129845396746
CHOL	GTF2B	cg14010405	-0.0249359997478859	35	-0.143290969088048	0.886931793353914	0.000621804083426566	0.939908467187156
CHOL	GTF2B	cg17811845	-0.157290987695651	36	-0.928716567990849	0.359582847471461	0.0247404548102734	0.558462528173184
CHOL	GTF2B	cg22607980	-0.0952789902574512	36	-0.558106252607625	0.580428663689118	0.00907808598447948	0.746246239555616
CHOL	GTF2H1	cg05849260	-0.064730005359511	36	-0.378230767633907	0.707610500509158	0.00418997359384232	0.833376499176574
CHOL	GTF2H1	cg07583091	-0.130473352903207	36	-0.767343235220131	0.448173686549825	0.0170232958178049	0.639610890111257
CHOL	GTF2H1	cg08690812	-0.0644125546270509	36	-0.37636809030094	0.708981792833938	0.00414897719358281	0.834222331232297
CHOL	GTF2H1	cg10797557	-0.256470328021278	36	-1.54721730787168	0.131069508538445	0.0657770291553419	0.287740815193831
CHOL	GTF2H1	cg11063328	0.0164178135151003	36	0.0957443853857984	0.924285695777154	0.000269544600616611	0.960126604583895
CHOL	GTF2H1	cg11176342	-0.0465512611935226	36	-0.271732749483504	0.787470761048161	0.00216701991870756	0.882906973913391
CHOL	GTF2H1	cg11347316	0.206650784170865	36	1.23155416699292	0.226566187219159	0.0427045465984332	0.416118860517654
CHOL	GTF2H1	cg11662851	-0.219575677012075	36	-1.31236280676482	0.19818868342855	0.0482134779353109	0.380741405952039
CHOL	GTF2H1	cg13777411	0.385216537840953	36	2.43402178023239	0.0203369784397924	0.148391781026171	0.0737538996198412
CHOL	GTF2H1	cg14132868	-0.18098670940935	36	-1.0730455622083	0.290807909180784	0.0327561889828245	0.488380744360493
CHOL	GTF2H1	cg17174493	0.0834441610487289	36	0.488261723955818	0.628498761559858	0.0069629280131262	0.780627089193184
CHOL	GTF2H1	cg18321761	0.294459310521586	36	1.79663358994674	0.0812832057631661	0.0867062855528479	0.205282469802157
CHOL	H2AFZ	cg02758870	-0.277506970749109	36	-1.6842823023819	0.10128730310574	0.0770101188143468	0.240460091266139
CHOL	H2AFZ	cg09308803	-0.30830501670602	36	-1.88976688232373	0.0673401558706896	0.095051983326099	0.179185253995226
CHOL	H2AFZ	cg16267491	-0.335366894415859	36	-2.07571804193233	0.0455527284016361	0.112470953870138	0.134804053304811
CHOL	H2AFZ	cg17709884	-0.32244489071362	36	-1.98624974500318	0.055114644281303	0.103970707547318	0.154864864452058
CHOL	H2AFZ	cg20934652	0.0545563029497264	36	0.318589654942696	0.751986607515898	0.00297639019154233	0.861105248249702
CHOL	H2AFZ	cg23752380	0.2006827554867	36	1.19447148391525	0.240560182136395	0.0402735683497348	0.432624110120762
CHOL	H2AFZ	cg24061702	-0.325178945792502	36	-2.00507352069366	0.05296875737368	0.105741346786723	0.150460730503375
CHOL	H3F3A	cg06319713	-0.170366359774852	36	-1.00813620209113	0.320510247859071	0.0290246965429344	0.519919390744804
CHOL	H3F3A	cg10632229	0.0562387887930025	36	0.328445487337799	0.744589210001853	0.00316280136490395	0.856483814331392
CHOL	H3F3A	cg10983539	-0.0312158088493503	36	-0.182106626165139	0.856580482094569	0.000974426722119175	0.92370249960584
CHOL	H3F3A	cg11978873	0.114441833294724	36	0.671718045426218	0.506302053963337	0.0130969332078575	0.689323614099369
CHOL	H3F3A	cg15538837	-0.306071555378551	36	-1.87465605314301	0.0694523107814456	0.0936797970118453	0.18331941318942
CHOL	H3F3A	cg15624314	-0.0156404354230575	36	-0.0912097832640703	0.927861164690885	0.00024462320222832	0.961966281493482
CHOL	H3F3A	cg16724613	-0.267976144910821	36	-1.62187520752558	0.114068198370841	0.0718112142412654	0.261456140956429
CHOL	H3F3A	cg16727519	0.187073761759051	36	1.11042163384794	0.274609044909067	0.034996592338682	0.471046323946995
CHOL	H3F3A	cg18947521	-0.0904218730422427	36	-0.529414310145935	0.599958070854095	0.00817611512446745	0.760103966135248
CHOL	H3F3A	cg19410789	-0.0779193010706286	36	-0.455729263823664	0.651482084871939	0.00607141747933527	0.796314173369303
CHOL	H3F3A	cg21266749	-0.147734339645925	36	-0.870989121682176	0.389868681799283	0.0218254351106175	0.587420324575462
CHOL	H3F3A	cg21789564	-0.216942938804553	36	-1.29584532093753	0.203757151563868	0.047064238697156	0.387651842718503
CHOL	H3F3A	cg22519151	-0.338757456689253	36	-2.09940862427524	0.0432788346930239	0.114756614462571	0.129743108520582
CHOL	H3F3A	cg27530209	0.0511610779572562	36	0.298708969379039	0.766980241532502	0.00261745589774845	0.870839817119789
CHOL	H3F3A	cg27560444	-0.316625227820788	24	-1.56565582624401	0.131701031943848	0.100251534892566	0.288681752142232
CHOL	HAT1	cg00414306	0.0862396124916837	36	0.50473947681562	0.616997743152556	0.00743727076271577	0.772460379600739
CHOL	HAT1	cg01583365	0.0129172737089709	36	0.0753262861916255	0.940396585415945	0.00016685596007247	0.968306790135694
CHOL	HAT1	cg04507121	0.0020492459291083	36	0.0119490795228997	0.990536081483058	4.19940887796694e-06	0.994871395299116
CHOL	HAT1	cg04950839	-0.00689873075773692	36	-0.0402271244496734	0.968147347180525	4.75924860677454e-05	0.983312139983066
CHOL	HAT1	cg05421799	0.0295593236823848	36	0.172434343464476	0.864118431348628	0.000873753616559993	0.927863518669029
CHOL	HAT1	cg09545452	0.0829971144120442	36	0.485627700301493	0.630346104142767	0.00688852100072596	0.781844116175221
CHOL	HAT1	cg10190161	0.113130590630814	36	0.663921322141925	0.511218084101604	0.0127985305364768	0.693431783278703
CHOL	HAT1	cg12941622	0.137564270954087	36	0.809829825958317	0.423669787584517	0.0189239286431295	0.618702830194553
CHOL	HAT1	cg13293756	-0.0447071442021163	36	-0.260946117889148	0.795708173094561	0.00199872874270882	0.88817907416999
CHOL	HAT1	cg14446129	0.190980716597261	36	1.13448086592886	0.26452824044182	0.0364736341120031	0.460116488248875
CHOL	HAT1	cg16017358	0.233719271438547	36	1.40162506806604	0.170090445731038	0.0546246978417651	0.34380482072389
CHOL	HDAC1	cg03762702	-0.369958604886206	36	-2.32195782443497	0.0263593622774666	0.136869369329348	0.0896321044111638
CHOL	HDAC1	cg04967775	-0.0510037609934604	36	-0.297788059528481	0.767677038769541	0.00260138363547803	0.871251663474975
CHOL	HDAC1	cg06473843	-0.315111959751242	36	-1.93603493768964	0.0612129727992203	0.0992955471782681	0.16702332453939

CHOL	HDAC1	cg10842753	-0.317522537995987	36	-1.95249905468869	0.0591520594684366	0.100820562135413	0.162983470790096
CHOL	HDAC1	cg14172124	-0.268735884066501	36	-1.6268307653255	0.113006973797231	0.072218975385004	0.2600042742098
CHOL	HDAC1	cg20002354	-0.247105709679336	36	-1.48697478225558	0.146237209877293	0.0610612317561282	0.310338193714717
CHOL	HDAC1	cg20793809	-0.0814269337321637	36	-0.476378436860694	0.636852052632033	0.00663034553702217	0.786316921438351
CHOL	HDAC1	cg21930229	0.0263762282912727	36	0.153852045496151	0.878635976098158	0.000695705418873335	0.935542513544389
CHOL	HDAC1	cg23018091	-0.22988922483921	36	-1.37736320211071	0.177400398827031	0.0528490556971729	0.353682384068428
CHOL	HDAC1	cg26115470	-0.591776858747296	36	-4.28062844705515	0.000143864183935318	0.350199850548817	0.00131343390741276
CHOL	HDAC10	cg00711351	-0.0108867671161426	36	-0.0634839775705073	0.949752887892383	0.000118521698241124	0.973363143856298
CHOL	HDAC10	cg01120165	0.110552923841771	36	0.648604572072864	0.520951029834365	0.0122219489699645	0.701140149031883
CHOL	HDAC10	cg04321608	0.0164829620970103	36	0.0961244178865883	0.923986117084868	0.000271688039491479	0.959994871420752
CHOL	HDAC10	cg04586023	0.0930318697788395	36	0.544827201356426	0.589428489881849	0.00865492879454695	0.752642635773563
CHOL	HDAC10	cg07482373	-0.139306553457341	36	-0.820288192607117	0.417765816003537	0.0194063158361631	0.613143550423151
CHOL	HDAC10	cg07744063	-0.0670563895900047	36	-0.391884640896002	0.697589087679323	0.00449655938484649	0.826617195273876
CHOL	HDAC10	cg09151829	-0.180856405230086	36	-1.07224687268979	0.291161246676653	0.0327090393127492	0.488711032179606
CHOL	HDAC10	cg10508940	-0.0932440500419094	36	-0.54608068925638	0.588576075462956	0.0086944528682181	0.752122067324242
CHOL	HDAC10	cg11645658	-0.171481424590312	36	-1.0149337933932	0.317305781182781	0.0294058789795229	0.516541515471107
CHOL	HDAC10	cg12464820	0.183011271693931	36	1.08546249848488	0.285353433966992	0.0334931255670299	0.482587312447773
CHOL	HDAC10	cg26943378	-0.289946544259863	36	-1.76655033339803	0.0862810695470016	0.0840689985282368	0.214370333887115
CHOL	HDAC11	cg01409735	-0.242765659747075	36	-1.4592071194191	0.1536860003901	0.0589351655524326	0.320970399266713
CHOL	HDAC11	cg01712016	0.097001337807063	36	0.568290047662635	0.573572501935474	0.00940925953635995	0.740930239303547
CHOL	HDAC11	cg02762546	-0.373510694632904	36	-2.34784621157663	0.0248401643913923	0.139510239005155	0.0858012498296765
CHOL	HDAC11	cg02941903	-0.0115328971847689	36	-0.0672522413748746	0.946774830130369	0.00013300771747445	0.97157821252588
CHOL	HDAC11	cg05987698	-0.210126310476798	36	-1.25321538512019	0.218677430319523	0.0441530663545916	0.406465295540988
CHOL	HDAC11	cg07450135	-0.0405665065160815	36	-0.236736219710481	0.81428197952377	0.00164564145091928	0.900078333653165
CHOL	HDAC11	cg08051076	-0.0328409860128347	36	-0.191597559386679	0.84919712129129	0.0010785303622952	0.919590206625017
CHOL	HDAC11	cg08448040	-0.118404127847467	36	-0.695299868143139	0.491592522158919	0.0140195374913193	0.677165979085098
CHOL	HDAC11	cg10455785	-0.00448648315151116	36	-0.026160730723361	0.97928208444565	2.01285310687935e-05	0.989341347722826
CHOL	HDAC11	cg11432034	-0.22751973863205	36	-1.3623873453138	0.182033108413559	0.0517652314671963	0.359619168975682
CHOL	HDAC11	cg13397067	-0.0770705090756389	36	-0.45073507709698	0.655041933642429	0.00593986336917814	0.79892029640316
CHOL	HDAC11	cg13706066	-0.193019182666258	36	-1.14705597576554	0.25936654360099	0.0372564048771504	0.4542154989171
CHOL	HDAC11	cg16254764	-0.186126202531697	36	-1.10459479360956	0.277091202142935	0.0346429632688702	0.47387253354219
CHOL	HDAC11	cg18521047	-0.0846690287413327	36	-0.495480238393137	0.62344860707462	0.00716884442800062	0.776891523791235
CHOL	HDAC11	cg19779799	-0.376743594419993	36	-2.37151255328033	0.0235211222585592	0.141935735936496	0.0823336589696063
CHOL	HDAC11	cg20894727	-0.221105524563266	36	-1.32197469722173	0.195002203254859	0.0488876529923968	0.376576342965159
CHOL	HDAC11	cg20922324	-0.0778772977853634	36	-0.455482098350302	0.65165806987197	0.00606487351035017	0.79640081727855
CHOL	HDAC11	cg21655280	-0.13015917301787	36	-0.765463590134583	0.449276866067148	0.0169414103206959	0.640492670175883
CHOL	HDAC11	cg25127083	-0.163157353965904	36	-0.964284030685999	0.341712376647787	0.0266203221531553	0.540869043702577
CHOL	HDAC11	cg25150878	-0.280758273784303	36	-1.70569352032682	0.0971863062576666	0.0788252082983418	0.233291517804521
CHOL	HDAC11	cg27025856	-0.388838022716524	36	-2.46095811401165	0.0190900831462548	0.151195007910096	0.0701906573532349
CHOL	HDAC2	cg00161229	-0.169779616871149	36	-1.00456093866421	0.322204508088288	0.0288251183049141	0.521661107477275
CHOL	HDAC2	cg01129566	-0.0569290359081377	36	-0.332489692485949	0.741560851169605	0.00324091512943003	0.854587320746039
CHOL	HDAC2	cg08198132	-0.17287034063381	36	-1.02340644391237	0.313342487657014	0.0298841546708494	0.512427275274117
CHOL	HDAC2	cg10999867	0.222502202706482	36	1.33075885421413	0.192124588434176	0.0495072302092364	0.372647357949743
CHOL	HDAC2	cg13393754	-0.271932108554138	36	-1.64771480539278	0.108623633856054	0.0739470716626993	0.252714485680897
CHOL	HDAC2	cg15005908	-0.158036411457653	36	-0.933230352558655	0.357281529055019	0.0249755073464127	0.556165268060153
CHOL	HDAC2	cg15242771	-0.222040405556545	36	-1.32785351321068	0.193072722575928	0.0493019416997148	0.373982853943323
CHOL	HDAC2	cg18387216	-0.214532508386467	36	-1.28074859949747	0.208949960828894	0.0460241971545894	0.394233926385405
CHOL	HDAC2	cg18674783	0.0646112165358304	36	0.377533747583494	0.70812352696073	0.00417460930223997	0.833652567439211
CHOL	HDAC2	cg22867643	-0.245815894492208	36	-1.4787126838983	0.14842278971518	0.0604254539850046	0.313471317345461
CHOL	HDAC2	cg24023618	0.169791873608078	36	1.00463561268857	0.322169058950601	0.0288292803433416	0.521631314587862
CHOL	HDAC3	cg01947930	-0.325440892844456	36	-2.00687994729394	0.052766712123534	0.105911774735397	0.150012191307492
CHOL	HDAC3	cg01961137	-0.149126573756166	36	-0.879383037613826	0.38536678342598	0.0222387350002533	0.583405046348312
CHOL	HDAC3	cg04284814	-0.0642533480661873	36	-0.375433971407644	0.709669857215826	0.00412849273771462	0.834626768746095
CHOL	HDAC3	cg08520975	-0.187005350860202	36	-1.11000084633207	0.274787761812521	0.0349710012503473	0.471264661800921
CHOL	HDAC3	cg10414058	0.126092164296651	36	0.741152832592825	0.463689350325102	0.0158992338970136	0.652926843433869
CHOL	HDAC3	cg11064797	0.00676417387435889	36	0.0394424748065243	0.968768313795569	4.57540482025593e-05	0.983580451165309
CHOL	HDAC3	cg11153694	0.128208071364596	36	0.753795954850742	0.456160598427141	0.0164373095630294	0.646387001618259

CHOL	HDAC3	cg12082871	0.193413675059798	36	1.14949133873042	0.258375379392092	0.037408849700137	0.452989593987839
CHOL	HDAC3	cg14098966	-0.190233677802012	36	-1.12987627674117	0.26643666365291	0.0361888521700797	0.462128818322617
CHOL	HDAC3	cg17940889	0.071512284121966	36	0.418055026910144	0.678535563827228	0.00511400678034079	0.814447874658634
CHOL	HDAC3	cg18671773	-0.0895421524719649	36	-0.52422176491664	0.603525373595288	0.00801779706931261	0.762544914220524
CHOL	HDAC3	cg19549288	0.212763629165823	36	1.2696855904139	0.21281844900653	0.045268361895812	0.399122451773439
CHOL	HDAC3	cg20642138	-0.12672270489316	36	-0.744919401170852	0.461438894079176	0.0160586439354389	0.651030619452574
CHOL	HDAC3	cg23421926	-0.0591112772424853	36	-0.345278768619524	0.732011898247903	0.00349414309723796	0.848648583149875
CHOL	HDAC3	cg24385322	0.118108496355427	36	0.693539252393834	0.492682397399029	0.0139496169113398	0.678114938222255
CHOL	HDAC6	cg07153944	0.0624305895852939	36	0.364741262449377	0.717563515684944	0.00389757851596741	0.839577735439971
CHOL	HDAC6	cg07674520	-0.167828469305287	24	-0.798511210679775	0.433109928285505	0.0281663951093555	0.626783126740133
CHOL	HDAC6	cg10783042	0.0405109369578646	35	0.232908811220218	0.817270816243105	0.00164113601320408	0.901785317024616
CHOL	HDAC6	cg12510923	-0.138000600349843	28	-0.710465383682204	0.483740223476105	0.0190441656969171	0.67054165600778
CHOL	HDAC6	cg13178935	0.0930461504527993	36	0.544911564306481	0.589371101542672	0.00865758611408497	0.752631124499921
CHOL	HDAC6	cg17152375	0.0650531069760086	35	0.374494902257605	0.71043197431611	0.00423190672723202	0.83507926881841
CHOL	HDAC6	cg24616736	0.124848473782469	36	0.733726250730505	0.468145257001322	0.0155871414058118	0.657165319490805
CHOL	HDAC6	cg26680189	0.11327542113784	36	0.664782319138994	0.510673927371203	0.012831321033955	0.692899058270086
CHOL	HDAC9	cg00332048	-0.0597255959176205	36	-0.348879885480292	0.729330854056518	0.00356714680771488	0.846911561679724
CHOL	HDAC9	cg02301805	-0.223604269315827	36	-1.33769618583791	0.189875114959983	0.049998869256265	0.369944517461353
CHOL	HDAC9	cg03260621	0.0171620632504288	36	0.100085905786972	0.92086396467947	0.000294536415011719	0.958491989139345
CHOL	HDAC9	cg07513622	-0.103387553952875	35	-0.597116137444063	0.554505032380882	0.0106889863123586	0.726178214720441
CHOL	HDAC9	cg08146609	-0.0750057576913465	36	-0.438590430011825	0.663732732812122	0.00562586368685299	0.804612909111093
CHOL	HDAC9	cg08285151	0.0995117042484481	36	0.583142451183862	0.563645686040333	0.0099025792824306	0.733493685176007
CHOL	HDAC9	cg08725366	0.0336583655437837	36	0.196371575128435	0.845488404362587	0.00113288557107897	0.917476983247079
CHOL	HDAC9	cg10068437	-0.035314408038054	36	-0.20604513475468	0.837984496635932	0.00124710741507818	0.913311608463789
CHOL	HDAC9	cg11321459	-0.119282013826275	36	-0.700529172997573	0.488363407325441	0.0142281988224516	0.674373571661913
CHOL	HDAC9	cg11765288	-0.0408104701637311	36	-0.238162299975917	0.813184748119655	0.00166549447498479	0.899407754722299
CHOL	HDAC9	cg12081743	0.156686472988969	35	0.911351920252592	0.368719564339722	0.0245506508177228	0.567505981969911
CHOL	HDAC9	cg16475478	-0.111804972221231	34	-0.636454897057995	0.529006646623058	0.0125003518133903	0.707332747826174
CHOL	HDAC9	cg18856632	0.0312295060775147	36	0.18218661097546	0.856518203035502	0.000975282049845528	0.923665853835985
CHOL	HDAC9	cg19585556	-0.103136418244404	30	-0.548672577535223	0.587578975680666	0.0106371207682847	0.751350024546853
CHOL	HDAC9	cg20648975	-0.045977521947978	36	-0.268376533735387	0.790031186273948	0.0021139325244768	0.884541120074199
CHOL	HDAC9	cg21433125	-0.0379406281099123	36	-0.221389378792078	0.826113547636615	0.00143949126137467	0.906466717324083
CHOL	HDAC9	cg23074799	-0.0638919681731548	36	-0.373313739711235	0.711232519952807	0.00408218359703942	0.835586189857948
CHOL	HDAC9	cg23385718	0.0317577460979158	36	0.185271341471145	0.85411703644018	0.00100855443721969	0.92216741958416
CHOL	HDAC9	cg24350771	0.101097796775664	36	0.592532232966284	0.557414814752847	0.0102207645128934	0.728676324968627
CHOL	HDAC9	cg25620356	-0.00259405303807023	36	-0.0151258493695114	0.988020190734558	6.72911116432141e-06	0.993665874418299
CHOL	HDGF	cg00692559	-0.0891634895617745	36	-0.521987090940047	0.605063665258944	0.00795012787083267	0.763827740111763
CHOL	HDGF	cg00746981	-0.0183565056572153	36	-0.107053939481642	0.915375395804364	0.000336961299943376	0.955258679757528
CHOL	HDGF	cg01910231	0.0345578788543055	36	0.201625760633275	0.841410798990883	0.00119424699090886	0.915068943922954
CHOL	HDGF	cg02914429	-0.0553370706729157	36	-0.323162969896645	0.748551049300828	0.00306219139065927	0.859080627414747
CHOL	HDGF	cg04402095	-0.00437535178288182	36	-0.0255127099740524	0.979795166551205	1.91437032239671e-05	0.989628610206105
CHOL	HDGF	cg05762852	0.162606794916756	36	0.96094161926762	0.343366041877657	0.0264409697530998	0.542735596680628
CHOL	HDGF	cg05967123	0.0694650094722204	36	0.406027934297899	0.687266260565549	0.00482538754097567	0.820086254649351
CHOL	HDGF	cg06106793	0.0111747227158816	36	0.0651633393389209	0.948425595617786	0.000124874427776839	0.972602397636192
CHOL	HDGF	cg06119628	-0.14654294555718	36	-0.863810295029324	0.393745284979739	0.0214748348925746	0.590477507464363
CHOL	HDGF	cg07313589	-0.16364534849196	36	-0.967247390178873	0.340250707345035	0.026779800830549	0.539466504854678
CHOL	HDGF	cg07892339	0.135301526661549	36	0.796258714516916	0.431406545361945	0.0183065031169459	0.625344521469331
CHOL	HDGF	cg08597205	0.316235421858978	36	1.94370291580901	0.0602455199975511	0.100004842038326	0.165159811914208
CHOL	HDGF	cg08708935	-0.0228796918944947	36	-0.133445315374849	0.894627940389232	0.000523480301187005	0.944029938671375
CHOL	HDGF	cg09063372	0.116765363787358	36	0.685542653949068	0.497649524121064	0.0136341501803939	0.682019362262597
CHOL	HDGF	cg09477492	-0.0113610512025677	36	-0.0662500187354014	0.947566812350913	0.000129073484427364	0.972096010866623
CHOL	HDGF	cg11588596	0.138794643754459	36	0.817214560612504	0.419495673216678	0.0192639531349272	0.614856198223501
CHOL	HDGF	cg12220178	-0.0733821396002223	36	-0.42904447434176	0.670597292823301	0.00538493841230651	0.809126728156586
CHOL	HDGF	cg12421458	0.0284749952754754	36	0.166103681851615	0.869059189098753	0.000810825355938347	0.930580358895956
CHOL	HDGF	cg13170934	-0.126197847473278	36	-0.741784072992785	0.463311750748808	0.0159258967068887	0.652619583141754
CHOL	HDGF	cg13235992	0.183704113607414	36	1.08971507143095	0.283502088685488	0.0337472013562856	0.480761301293673
CHOL	HDGF	cg14155849	-0.0304167446283973	36	-0.177440675856112	0.860215160858911	0.000925178353789134	0.925684421842778

CHOL	HDGF	cg15503799	0.0178449926781851	36	0.104069865389554	0.917725386360801	0.00031844376368448	0.956645924594356
CHOL	HDGF	cg17170583	-0.332478396447854	36	-2.05560724024895	0.0475648710435838	0.110541884104536	0.139170361740806
CHOL	HDGF	cg17218029	-0.138825306375345	36	-0.817398647710719	0.419391944270651	0.0192724656902085	0.614744996095311
CHOL	HDGF	cg17971171	0.140955386086298	36	0.830192762528633	0.41222140558378	0.0198684208667374	0.607908521156823
CHOL	HDGF	cg18593717	-0.173588936885057	36	-1.02779248354304	0.311304233367422	0.0301331190088842	0.510195531515157
CHOL	HDGF	cg19599803	0.148962707361537	36	0.87839479440232	0.385895077087975	0.0221898881844788	0.58397342048713
CHOL	HDGF	cg20284773	0.119358145983885	36	0.700982747897228	0.488083887252751	0.0142463670127105	0.674216371641771
CHOL	HDGF	cg23747104	0.182960679399671	36	1.08515203525475	0.285488926927684	0.0334746102063891	0.482675017525748
CHOL	HDGF	cg26431298	-0.110928559607877	36	-0.650835804214733	0.51952702625305	0.0123051453366784	0.700075964045829
CHOL	HDGFL1	cg02685945	0.0931929912438936	36	0.545779044616392	0.588781149732873	0.00868493361698443	0.752244895421244
CHOL	HDGFL1	cg03930485	-0.0395637631737674	36	-0.230875164059521	0.818795472092879	0.00156529135646996	0.902523130141455
CHOL	HDGFL1	cg05276066	-0.0250320419600007	36	-0.14600638369472	0.884778580375747	0.000626603124687234	0.938895641525258
CHOL	HDGFL1	cg06566039	-0.185388838566934	36	-1.10006272017229	0.279032816041907	0.0343690214651966	0.476038856214278
CHOL	HDGFL1	cg08671671	-0.054635600375021	36	-0.319054109479078	0.751637465076744	0.002985048828339	0.860920875722261
CHOL	HDGFL1	cg09081892	-0.0273556065045253	36	-0.159568941806004	0.874164825498017	0.000748329207230425	0.93337463838024
CHOL	HDGFL1	cg11894257	0.0909104354186005	36	0.532298585395124	0.597980875284781	0.00826470726799954	0.758632162620748
CHOL	HDGFL1	cg15317945	0.0929131426292673	36	0.544125834939229	0.589905702256394	0.00863285207324657	0.752967729360492
CHOL	HDGFL1	cg20209681	0.183254197421887	36	1.0869533539111	0.284703424675765	0.0335821008727401	0.481975457951091
CHOL	HDGFL1	cg21898884	0.0230728482999244	36	0.134572493541778	0.89374338206128	0.000532356328671324	0.943672095660513
CHOL	HIST1H1	cg00667898	-0.248554337765508	36	-1.49626421903233	0.143810669147906	0.0617792588220502	0.306904978895898
CHOL	HIST1H1	cg00700007	-0.205891925666253	36	-1.22683109352738	0.228314103632978	0.042391485054558	0.41823313786055
CHOL	HIST1H1	cg03821311	0.0946399750733145	36	0.554329212881575	0.582981687030063	0.00895672488187759	0.748057422613963
CHOL	HIST1H1	cg04676561	-0.290627535130244	36	-1.77108167894681	0.0855120567232976	0.0844643641758811	0.212928907903854
CHOL	HIST1H1	cg07138603	-0.140503103230003	36	-0.827475192857395	0.413738101177014	0.019741122017261	0.609345078886526
CHOL	HIST1H1	cg11206041	-0.141110878019024	36	-0.831127167886863	0.411700703665272	0.0199122798952998	0.607373585186554
CHOL	HIST1H1	cg14334286	-0.116710890410778	36	-0.685218416993318	0.497851511474406	0.0136214319404767	0.682176004573219
CHOL	HIST1H1	cg18798248	-0.225042115228628	36	-1.34675531873813	0.186968216547983	0.0506439536265749	0.366087071509244
CHOL	HIST1H1	cg23460835	-0.152308071209761	36	-0.898584764610343	0.375193735907147	0.0231977485556377	0.573875503886774
CHOL	HIST1H1	cg00903962	-0.250291061052663	36	-1.50741520043967	0.140940574639487	0.0626456152428677	0.302762359772842
CHOL	HIST1H1	cg04290376	-0.333985541234086	36	-2.06609237286178	0.0465062671579944	0.111546341753425	0.136785363849614
CHOL	HIST1H1	cg07750111	-0.107597478011061	36	-0.631059308062928	0.532221422539486	0.0115772172743409	0.709707628602423
CHOL	HIST1H1	cg08283682	-0.206479142783464	36	-1.23048568218732	0.226960737182268	0.0426336364045943	0.4165274856297
CHOL	HIST1H1	cg10717387	-0.225415501544803	36	-1.3491093480763	0.186218502402505	0.0508121483366952	0.365133766248278
CHOL	HIST1H1	cg12633985	-0.223292797890105	36	-1.33573497740044	0.190508984766495	0.0498596735895913	0.370770938680194
CHOL	HIST1H1	cg15022984	-0.33850914639402	36	-2.09767051023065	0.0434421942890878	0.114588442192408	0.130122518963703
CHOL	HIST1H1	cg16481032	-0.245326950400988	36	-1.47558286989633	0.149257497071205	0.0601853125930488	0.314706758867826
CHOL	HIST1H1	cg16482183	-0.145313315196244	36	-0.85640510118268	0.397769578797541	0.0211159595733231	0.594404168596706
CHOL	HIST1H1	cg17691542	-0.128223828674336	36	-0.753890148104512	0.456104778768389	0.0164413502399055	0.646341606271892
CHOL	HIST1H1	cg20855557	-0.205599654008929	36	-1.2250126356437	0.228989747491177	0.0422712177285912	0.418958993556299
CHOL	HIST1H1	cg23407813	-0.210569769998404	36	-1.25598280128343	0.217684596664263	0.0443396280371806	0.405210459248174
CHOL	HIST1H3	cg00958605	0.0922762726665813	36	0.540364000766074	0.592468436878674	0.00851491049723727	0.754752805583041
CHOL	HIST1H3	cg01043409	0.0289502073439481	36	0.168878050774814	0.866893266175447	0.000838114505257586	0.929245938612351
CHOL	HIST1H3	cg08041469	-0.0349975782580563	36	-0.204194285266679	0.839419057730988	0.00122483048392877	0.914065679051588
CHOL	HIST1H3	cg08401836	0.056395457398928	36	0.329363377778205	0.743901516501851	0.0031804476152343	0.856138733401134
CHOL	HIST1H3	cg10075390	-0.0406058437988569	36	-0.23696616143301	0.814105035712271	0.00164883455061716	0.899992712067649
CHOL	HIST1H3	cg15479139	0.142276528798615	36	0.838133974696132	0.407809129980972	0.020242610646983	0.603908085541273
CHOL	HIST1H3	cg15797414	0.157089541191313	36	0.92749702328752	0.360206288537374	0.0246771239516972	0.559108823582496
CHOL	HIST1H3	cg21209604	-0.103282009909514	36	-0.60547041860341	0.548887066724593	0.0106671735709489	0.721944349047662
CHOL	HIST1H3	cg23099349	-0.0701834745525443	36	-0.41024809486302	0.68419772422078	0.00492572010026763	0.818172569779462
CHOL	HIST1H3	cg25701114	-0.219562042046212	36	-1.31227718540154	0.198217245872166	0.0482074903075027	0.380771721988772
CHOL	HLTF	cg00906762	-0.0824250589297323	36	-0.482257547931171	0.632713246042132	0.00679389033956985	0.783578933115792
CHOL	HLTF	cg02059813	-0.179674781381538	36	-1.06500685826947	0.294377960818188	0.0322830270645035	0.492163054391483
CHOL	HLTF	cg02398045	0.075699665083063	36	0.442671278275126	0.660807095547737	0.00573043929368791	0.802617171088396
CHOL	HLTF	cg02611507	-0.675730874387609	36	-5.34513015759532	6.11958220294324e-06	0.456612214600643	8.50101725241238e-05
CHOL	HLTF	cg02710346	0.117520920361063	36	0.690040533306246	0.494852222281141	0.0138111667225113	0.679906811047169
CHOL	HLTF	cg03678609	0.0607411166794085	36	0.354833710792673	0.724905798330776	0.00368948325546152	0.844107163370787
CHOL	HLTF	cg04120413	-0.645267862281434	36	-4.92505311659381	2.14791252164771e-05	0.416370614093251	0.000254795222185212

CHOL	HLTF	cg04731810	-0.553165223402634	36	-3.8717919751722	0.000466880863403964	0.305991764382086	0.00354139331977847
CHOL	HLTF	cg04836786	0.107365480777412	36	0.629682758970564	0.5331111092176844	0.0115273464625647	0.710226299629134
CHOL	HLTF	cg05555455	0.0319401904642344	36	0.186336786500006	0.853288016404388	0.00102017576689157	0.921812856158839
CHOL	HLTF	cg07275648	-0.431153111283217	36	-2.7863151725831	0.00865700409509841	0.185893005369198	0.0381608667596377
CHOL	HLTF	cg09352720	-0.644015084953972	36	-4.90870352003785	2.25511375639096e-05	0.414755429648271	0.000266091793667039
CHOL	HLTF	cg09392355	-0.164554206620246	36	-0.972768401479204	0.337538661647117	0.0270780869164185	0.537022828241513
CHOL	HLTF	cg15438497	-0.0406838661939917	36	-0.237422235954791	0.813754108441034	0.00165517696849062	0.899677930120865
CHOL	HLTF	cg16724124	-0.0399498169219446	36	-0.233131572548655	0.817057101006507	0.00159598787209689	0.901616217704051
CHOL	HLTF	cg20117402	-0.408843936462883	36	-2.6122485802769	0.0132950642918495	0.167153364382466	0.0532308919979486
CHOL	HLTF	cg21089667	-0.442117678989311	36	-2.87412524894101	0.00693839302772949	0.195468042074895	0.0321882847635034
CHOL	HLTF	cg21111416	-0.641865983480044	36	-4.88081312146232	2.45038293475778e-05	0.411991940748804	0.000285966231662986
CHOL	HLTF	cg21835021	-0.431011419346041	36	-2.78519053267237	0.00868139663416732	0.185770843606688	0.0382358925300579
CHOL	HLTF	cg21926402	0.150821374411798	36	0.889608381149871	0.379927665318983	0.0227470869794638	0.578363164507464
CHOL	HLTF	cg24041269	0.235071329997734	36	1.41020624428555	0.167562169181302	0.0552585301869035	0.340391774693365
CHOL	HLTF	cg24710191	0.70360520261898	15	3.57010468751346	0.00342211336417952	0.495060281152496	0.0183107426269332
CHOL	HLTF	cg25951608	-0.0360312099783694	36	-0.210232763559905	0.834740821778033	0.00129824809250535	0.911472068066535
CHOL	HLTF	cg26151310	0.140888297370437	36	0.829789622353279	0.412446183304878	0.0198495123359407	0.60811247245266
CHOL	HLTF	cg27554556	-0.191436783578905	36	-1.13729297152915	0.263367582117471	0.0366480421070365	0.458795209782264
CHOL	IDH1	cg00707300	0.20709831939771	36	1.23434067744226	0.22553964186848	0.0428897138973558	0.414926193732726
CHOL	IDH1	cg01046174	0.229302726068909	36	1.37365396047709	0.178539204177003	0.0525797401826331	0.355142776592236
CHOL	IDH1	cg02241586	0.392013201275178	36	2.48468534906853	0.0180499795690798	0.153674349974013	0.0672822285863436
CHOL	IDH1	cg03448938	0.232812287439693	36	1.39587349219862	0.171801686327647	0.0542015611829024	0.346058889883042
CHOL	IDH1	cg05268564	0.0487254128667794	36	0.284453408927938	0.777788283127389	0.00237416585903812	0.877101948463541
CHOL	IDH1	cg07129696	0.171047243241597	36	1.0122864869845	0.318551135612729	0.0292571594205502	0.517910785425631
CHOL	IDH1	cg07915542	-0.0509268278230869	36	-0.297337712413715	0.768017860889947	0.00259354179212234	0.871477601926643
CHOL	IDH1	cg09406631	0.224940723738384	36	1.34611619988425	0.187172165307562	0.0505983291959478	0.366375749891464
CHOL	IDH1	cg09615745	0.343069091865467	36	2.12966859303601	0.0405204388171709	0.117696401793396	0.123535173309676
CHOL	IDH1	cg10356455	0.280620379301053	36	1.70478413925625	0.0973576223908506	0.0787477972790666	0.233565820960121
CHOL	IDH1	cg14772913	0.116303932259429	36	0.682796314935553	0.49936183041231	0.0135266046590058	0.683559223576838
CHOL	IDH1	cg15399923	0.334717222146605	36	2.07118906464245	0.0459992142878979	0.112035618801539	0.135763824125986
CHOL	IDH1	cg16085695	-0.0733429427831484	36	-0.428814061951211	0.670763342500758	0.00537918725609217	0.809226671626691
CHOL	IDH1	cg16863783	0.252003261165453	36	1.51842392216325	0.138152393323245	0.0635056436380234	0.298473319434252
CHOL	IDH1	cg24324379	0.210484000748728	36	1.25544749370281	0.217876378202473	0.0443035145711907	0.405459041933867
CHOL	IDH1	cg24830471	0.323540497367589	36	1.99378621601242	0.0542465716659221	0.104678453436867	0.153159998841864
CHOL	IDH1	cg24987806	0.337442494827461	36	2.09020982059697	0.044149594549546	0.113867437315381	0.131734180668433
CHOL	IDH1	cg25795625	0.27192627559391	36	1.64767663965661	0.108631514478212	0.0739438993583751	0.252725262038878
CHOL	IDH1	cg26105702	0.394614343942338	36	2.50420108192548	0.0172336215216134	0.155720480445042	0.0649424700955433
CHOL	ING2	cg02075087	-0.164701493806764	36	-0.973663361593788	0.337100407310893	0.0271265820621794	0.536659212670233
CHOL	ING2	cg02552216	-0.24065671781752	36	-1.44574784796121	0.15740338497454	0.0579156558307015	0.326070956325781
CHOL	ING2	cg10348863	-0.245555039737147	36	-1.47704275910665	0.148867686635855	0.0602972775403118	0.314138035429657
CHOL	ING2	cg17985608	-0.00752022966429406	36	-0.0438513374092905	0.965279436615299	5.65538542037283e-05	0.981735501268801
CHOL	ING3	cg01382559	-0.275025703730354	36	-1.66798433886988	0.104504571204014	0.0756391377123762	0.245822103660046
CHOL	ING3	cg01416111	-0.254662347688667	32	-1.44239896716879	0.159549693630725	0.0648529113303037	0.329187345612217
CHOL	ING3	cg10268125	-0.279964457522806	36	-1.70046005977266	0.0981756785757132	0.078380097476039	0.23494874147473
CHOL	ING3	cg14303833	-0.235162000042925	36	-1.41078201360711	0.167393591001949	0.0553011662641888	0.340165535196845
CHOL	ING3	cg16130600	-0.123632822898313	36	-0.726470500642412	0.472522494633901	0.0152850748978057	0.660558409810593
CHOL	ING3	cg18485114	-0.25858697971751	36	-1.5608975199274	0.12780888561281	0.0668672260794239	0.282721918999174
CHOL	ING3	cg19478983	0.000376595398131012	36	0.00219590980603851	0.998260752777689	1.41824093893455e-07	0.999036231260181
CHOL	ING3	cg19960827	-0.00801566358480565	36	-0.0467404503495139	0.962993559239752	6.42508627047794e-05	0.980550489719862
CHOL	ING3	cg20553930	-0.142886338499163	36	-0.841800998597917	0.405781626438587	0.0204165057296975	0.602132068957453
CHOL	ING3	cg24859794	-0.187307806090979	36	-1.11186134008585	0.273998200024114	0.0350842142226158	0.47043628849893
CHOL	ING4	cg00369908	-0.0853151756251164	36	-0.499289086089859	0.620791308130469	0.00727867919194445	0.775256226560608
CHOL	ING4	cg00443163	-0.210547255194814	36	-1.2558422777624	0.217734928933856	0.0443301466700702	0.405286501152353
CHOL	ING4	cg00591160	-0.116641775359677	35	-0.674661188396784	0.504590543874275	0.0136053037590574	0.687811967026255
CHOL	ING4	cg03930474	-0.0888287603662063	36	-0.520011881189999	0.606424875227682	0.00789054866819691	0.764817157781921
CHOL	ING4	cg04375284	-0.183413378278582	36	-1.08793037180602	0.284278015232792	0.0336404673315624	0.481548697158842
CHOL	ING4	cg08733494	-0.153209843574911	36	-0.904032527463563	0.372339359202468	0.0234732561682487	0.570957721606474

CHOL	ING4	cg12392916	-0.193504825354905	36	-1.15005412912147	0.258146720933691	0.0374441174356321	0.452721341967032
CHOL	ING4	cg18123790	-0.165123237514549	36	-0.976226370523655	0.335847438776801	0.0272656835672862	0.535431503651989
CHOL	ING4	cg23354319	-0.278085036993305	36	-1.68808450255284	0.100548706736607	0.0773312877995677	0.23913439596049
CHOL	ING4	cg27116036	-0.178871035673295	36	-1.06008489315389	0.296578934038711	0.0319948474028371	0.494577954868328
CHOL	INO80	cg00734724	-0.213062257487872	36	-1.27155236490181	0.212161916740961	0.0453955255658282	0.398342524278281
CHOL	INO80	cg06380007	-0.40423661765179	36	-2.57702160641335	0.0144772954482982	0.163407243050559	0.0567807775197836
CHOL	INO80	cg12580230	-0.248501603086308	36	-1.49592586674069	0.143898482487447	0.0617530467364648	0.307016580182889
CHOL	INO80	cg18952654	-0.0217213852566229	36	-0.126686242508211	0.899934986563873	0.000471818577466636	0.947262255436596
CHOL	INO80	cg21007089	-0.446599238069931	36	-2.91047212329256	0.00632530424366561	0.199450879444643	0.0299076592920272
CHOL	INO80	cg21598047	0.0301922409588902	36	0.176129800377466	0.861236866254526	0.000911571414119688	0.926245759579237
CHOL	INO80	cg22835709	-0.301438870755525	36	-1.84342136970873	0.0739987947160989	0.0908653928023659	0.19197833109265
CHOL	INO80	cg26409855	-0.270498284261298	36	-1.63833901294499	0.110573830904501	0.073169321788306	0.255934354842673
CHOL	INO80	cg27441689	-0.245497258930876	36	-1.47667290751372	0.148966365219887	0.0602689041425733	0.314286589534778
CHOL	INTS12	cg00093890	0.0398328479720951	36	0.232447900968355	0.817583713067036	0.00158665577756804	0.901915873147149
CHOL	INTS12	cg01852585	0.0220726491540279	36	0.128735919418001	0.898325128747743	0.000487201840676808	0.946236613171782
CHOL	INTS12	cg03607115	-0.0370170559344097	36	-0.21599270651656	0.830284061227612	0.00137026243005122	0.90890196663816
CHOL	INTS12	cg19703969	0.25508253398054	36	1.53826075267521	0.133240534056458	0.0650670991419335	0.291095093978546
CHOL	INTS12	cg26533745	-0.0979668775701525	36	-0.574001282637318	0.569745083146515	0.00959750910084525	0.737937648773788
CHOL	IWS1	cg02372421	-0.0190290876710222	36	-0.110977789503369	0.912286500557186	0.000362106177591448	0.953429289524641
CHOL	IWS1	cg02592214	-0.0805323297942864	36	-0.471110308627022	0.640570823600142	0.00648545614209571	0.788851397213396
CHOL	IWS1	cg10180764	-0.19806293957405	36	-1.17823717104433	0.246883002631992	0.0392289280327136	0.440064221735393
CHOL	IWS1	cg10488833	0.0848893889059361	36	0.496779126391506	0.622541840738515	0.00720620834882327	0.776417251781179
CHOL	IWS1	cg15239145	-0.156184081968461	36	-0.922016892414571	0.363016518314077	0.024393467460331	0.561966185434471
CHOL	IWS1	cg17144508	-0.0201560618027872	36	-0.117552908110892	0.90711362594592	0.000406266827397776	0.950871768356872
CHOL	IWS1	cg18451256	-0.127066584099006	36	-0.746973968747072	0.460214018458222	0.0161459167945898	0.650041522029776
CHOL	IWS1	cg18530950	0.0687108631802567	36	0.401598870262739	0.690492490763413	0.00472118271897595	0.822165345166434
CHOL	IWS1	cg19311602	-0.162101670650445	36	-0.95787585076699	0.344887525345939	0.0262769516276653	0.544112353412329
CHOL	IWS1	cg19409088	-0.00130778803692046	36	-0.0076256556530559	0.993960235056811	1.71030954951226e-06	0.996872564214446
CHOL	IWS1	cg21581038	0.0194456550805162	36	0.113408123070922	0.910374007806105	0.000378133501510405	0.952466990737373
CHOL	IWS1	cg21679674	-0.0918899028998564	36	-0.538082135900937	0.594025543352331	0.00844375425494504	0.755758726973984
CHOL	IWS1	cg22409775	-0.0725633918418213	36	-0.424232006590961	0.67406893938596	0.00526544583558969	0.811597303639224
CHOL	IWS1	cg23570261	-0.158775783508068	36	-0.937709108523955	0.355007666364806	0.0252097494286009	0.553933577976687
CHOL	IWS1	cg23623107	-0.0882609739707781	36	-0.516661825588142	0.608736820480625	0.00778999952627036	0.766440711030956
CHOL	JADE1	cg09863040	-0.505255893809644	36	-3.41393591133037	0.00167185301313221	0.255283518229383	0.0102765592054051
CHOL	JADE1	cg12832492	-0.320807246388736	36	-1.97500129508983	0.0564327627212433	0.102917289335523	0.157482166055759
CHOL	JADE1	cg14617908	0.0309811055127426	36	0.180736094580617	0.857647772050795	0.000959828898791688	0.924276878881217
CHOL	JADE1	cg15389440	0.293318331632485	36	1.78901521909527	0.0825251054779374	0.0860356436716647	0.207537274699381
CHOL	JADE1	cg15836763	-0.101700236292051	36	-0.596099910304824	0.555056590367331	0.0103429380618591	0.726606969745001
CHOL	JADE1	cg20039387	-0.168190718480741	36	-0.994884644085715	0.326820520876159	0.028288117783068	0.526303626750018
CHOL	JADE1	cg22922695	-0.151207693784424	36	-0.891940304978786	0.37869419101236	0.0228637666596042	0.577242583799407
CHOL	JADE1	cg26766900	-0.300339466915599	36	-1.83603012938403	0.0751111068389705	0.090203795387146	0.194069391741646
CHOL	JADE2	cg04590931	-0.388604653507747	36	-2.45921830529668	0.0191684621730754	0.151013576727876	0.0704089591714541
CHOL	JADE2	cg04842522	-0.116097947235794	36	-0.681570482163602	0.500127174932957	0.0134787333523653	0.684113332513969
CHOL	JADE2	cg17378563	-0.179884439284633	36	-1.06629111996177	0.293805558963409	0.0323584114967468	0.491522970559761
CHOL	JADE2	cg18145011	-0.30858279190527	36	-1.89164862030276	0.0670810360916657	0.0952233394600514	0.178715676552036
CHOL	JADE2	cg21194015	-0.235305436798553	36	-1.41169293962931	0.167127154931734	0.0553686485869576	0.339833522677997
CHOL	JADE2	cg25669900	-0.197445211155608	36	-1.17441311454111	0.248389911883596	0.0389846114082824	0.441704455278589
CHOL	JADE2	cg26133206	-0.31457387380628	36	-1.9323655373288	0.0616806681818148	0.0989567220814895	0.167987183186392
CHOL	JADE3	cg10860619	0.00130425716830249	36	0.00760506727532133	0.993976541391189	1.70108676106842e-06	0.996872564214446
CHOL	JADE3	cg17843048	-0.0787003067294708	36	-0.460325484697919	0.648213220681633	0.00619373827931278	0.793990006293508
CHOL	JADE3	cg19194595	-0.0107851227326079	36	-0.0628911896563418	0.95022143587117	0.000116318872357416	0.973659203175049
CHOL	JARID2	cg01769037	-0.322842344118466	36	-1.98898271959116	0.0547984644226297	0.104227179155906	0.154227117010747
CHOL	JARID2	cg03223185	-0.189438691555561	36	-1.12497838598553	0.268477494966836	0.035887017858283	0.464278168743817
CHOL	JARID2	cg05197191	-0.186028796815335	36	-1.10399599646414	0.277347183908457	0.0346067132445612	0.474106343532486
CHOL	JARID2	cg06047828	-0.165083402179546	36	-0.975984260833677	0.335965663932325	0.0272525296751736	0.535532187114811
CHOL	JARID2	cg14862454	0.0688054986972769	36	0.402154621878786	0.690087344764187	0.00473419665098097	0.821921962437767
CHOL	JARID2	cg15109221	-0.226993361791286	36	-1.35906396368246	0.183073782108378	0.0515259862973096	0.361115692723933

CHOL	JARID2	cg21397480	-0.125343726365372	36	-0.736683182236886	0.466368152940302	0.0157110497391572	0.655654542149415
CHOL	JARID2	cg21901688	-0.277058541449921	36	-1.6813341477638	0.101863098603605	0.0767614353903576	0.241408553437282
CHOL	JARID2	cg25338254	-0.179042053653066	36	-1.06113198630837	0.296109741096857	0.0320560569763074	0.494079096871288
CHOL	JMJD6	cg02318866	-0.164025970742444	36	-0.969559235041919	0.339113306281242	0.0269045190780009	0.538431311716118
CHOL	JMJD6	cg04510639	-0.0642815025091195	36	-0.375599160976733	0.709548161899241	0.00413211156482994	0.834559346045411
CHOL	JMJD6	cg07312083	-0.233287912454619	36	-1.39888915366091	0.170902779016425	0.054423250097434	0.344876213763389
CHOL	JMJD6	cg08857478	-0.0833976852101413	36	-0.487987871930704	0.6286907116828	0.00695517389840982	0.780685181085617
CHOL	JMJD6	cg10712116	-0.167555075371558	36	-0.991015855867452	0.328678598733879	0.0280747032827684	0.528361075651984
CHOL	JMJD6	cg12504415	-0.0779164584364163	36	-0.4557125364591	0.651493994331188	0.00607097449527379	0.796315931794621
CHOL	JMJD6	cg15457598	0.0845006469790202	36	0.494487780556571	0.624141853693632	0.007140359339873	0.777369378261967
CHOL	JMJD6	cg21102709	-0.204928996800728	36	-1.22084122859438	0.230545238440319	0.0419958937297526	0.420842299533665
CHOL	JMJD6	cg21807925	-0.209436038909642	36	-1.24890934386998	0.22022900910944	0.043863454394161	0.408383284102302
CHOL	JMJD6	cg23630158	-0.108851212305116	36	-0.638500116225271	0.527426028205893	0.0118485864202934	0.706023925634505
CHOL	JMJD6	cg25004679	-0.0255271448001476	36	-0.148896074203887	0.882515292128258	0.000651635121647704	0.937645378801225
CHOL	JMJD6	cg25908504	-0.115512635494662	36	-0.678087732793322	0.502305160542338	0.0133431689589225	0.685958776449648
CHOL	JMJD6	cg26612088	0.0537845636272783	36	0.314069799500656	0.755387057782887	0.00289277928457675	0.86351059842849
CHOL	JMJD8	cg00873473	-0.24587202398807	36	-1.47907205512579	0.148327185812978	0.0604530521799902	0.31333029466213
CHOL	JMJD8	cg02851105	-0.0836574547566046	36	-0.489518566854468	0.627618143822048	0.00699856973635335	0.779938640598319
CHOL	JMJD8	cg03899598	-0.210637677812817	36	-1.25640665265582	0.217532835848118	0.0443682313143761	0.405063063252197
CHOL	JMJD8	cg05787952	-0.0236312168887569	36	-0.13783097905015	0.891187050674833	0.000558434411643468	0.942418343236566
CHOL	JMJD8	cg06191810	-0.188435203948803	36	-1.11879919843468	0.271068174998329	0.0355078260872269	0.467338274982928
CHOL	JMJD8	cg06646636	-0.153258690234403	36	-0.904327684477304	0.372185112987379	0.0234882261323646	0.570825843647056
CHOL	JMJD8	cg08398290	-0.0339112704850776	36	-0.197848780118645	0.84434155063414	0.00114997426591209	0.916839847942843
CHOL	JMJD8	cg26750188	-0.0565946710521252	36	-0.330530566512441	0.743027354148894	0.00320295679149826	0.855543270557244
CHOL	JMJD8	cg27579097	0.0667171778948265	36	0.389893365772209	0.699047230997465	0.00445118182624993	0.827362051578707
CHOL	KAT2B	cg00770008	0.0405512719898565	36	0.236647168273754	0.81435050867998	0.00164440565999532	0.900123378074343
CHOL	KAT2B	cg04371528	0.0462909528722511	36	0.270209984671336	0.788632168434295	0.00214285231782097	0.883737877202869
CHOL	KAT2B	cg05072819	-0.198050048443893	36	-1.17815735341159	0.246914387101405	0.0392238216886283	0.440106720819492
CHOL	KAT2B	cg12062464	0.0375851370007944	36	0.219312085346574	0.827718267140779	0.00141264252336848	0.907395612839786
CHOL	KAT2B	cg14937543	0.0905301154767652	36	0.530053296520059	0.599519773755997	0.00819570180823644	0.759719427163052
CHOL	KAT2B	cg18053505	-0.0364787938506806	36	-0.212847757780835	0.832716771080136	0.00133070240080045	0.910232945375207
CHOL	KAT5	cg00582417	-0.196104159318201	36	-1.16611631736133	0.25168243577768	0.0384568413018985	0.445451686055622
CHOL	KAT5	cg02561205	-0.332314135809418	36	-2.05446555938515	0.0476814056237673	0.11043268485876	0.139395989067845
CHOL	KAT5	cg05785768	-0.233747100737745	36	-1.40180160672871	0.170038132790249	0.0546377071033015	0.343734805038189
CHOL	KAT5	cg07564927	-0.334252017402905	36	-2.06794808643679	0.0463210823425672	0.111724411137912	0.136408459694805
CHOL	KAT5	cg14726348	-0.218421625008831	36	-1.30511874041837	0.200616369775905	0.0477080062714985	0.383646751975092
CHOL	KAT5	cg18896539	-0.106805550489432	36	-0.626360856467607	0.535261283305376	0.0114074256153506	0.711722670451622
CHOL	KAT5	cg20108992	-0.196501974185572	36	-1.16857679933864	0.250702710975451	0.0386130258588271	0.444303961582474
CHOL	KAT5	cg20423942	-0.0939033216501599	36	-0.549975918499285	0.58593098989277	0.00881783381693338	0.750247113074301
CHOL	KAT5	cg22048492	-0.266359400019442	36	-1.61134048384346	0.116351425563569	0.0709473299787174	0.264997305167462
CHOL	KAT6A	cg10163397	-0.0152831677471427	36	-0.0891258253342896	0.929504850785828	0.000233575216387304	0.962671899544514
CHOL	KAT6A	cg12468056	-0.408671740531163	36	-2.61092771131032	0.013337735750965	0.16701259150877	0.0533543146198831
CHOL	KAT6A	cg15251374	-0.240946342101106	36	-1.44759493759332	0.156889052475655	0.0580551397719031	0.325502105512351
CHOL	KAT6A	cg20966972	-0.0664319909421375	36	-0.388219337312286	0.700273963545525	0.00441320942053624	0.828297670635676
CHOL	KAT6B	cg04396765	-0.0964878428122852	36	-0.565253349825945	0.575612735545878	0.00930990381056825	0.742410258456396
CHOL	KAT6B	cg06972998	-0.299039668294507	19	-1.29209764738484	0.213612640862012	0.0894247232136886	0.400129584725129
CHOL	KAT6B	cg09631472	-0.0168458455427959	36	-0.0982412555522732	0.922317626433241	0.000283782512051737	0.959199830761722
CHOL	KAT6B	cg10359932	0.066568428386536	36	0.389020204094666	0.699686984059897	0.00443135565785337	0.827879923920965
CHOL	KAT6B	cg10739686	-0.0393488897955404	36	-0.22961931620287	0.819763400038817	0.00154833512814158	0.902981385619281
CHOL	KAT6B	cg11128436	-0.162790122658716	36	-0.962054488585201	0.342814855314063	0.0265006240352399	0.542062620262652
CHOL	KAT6B	cg11348552	0.0246030861309878	36	0.143502850256671	0.886740214452916	0.000605311847168805	0.939854473608295
CHOL	KAT6B	cg15874302	-0.314083304335473	36	-1.92902197053349	0.0621095201978	0.0986483220622892	0.168871383135316
CHOL	KAT6B	cg15912797	0.0345245043254723	36	0.201430806567431	0.841562017992182	0.00119194139891956	0.915190858192273
CHOL	KAT6B	cg17147776	0.07280601385518	36	0.42565800945265	0.673039480530015	0.00530071565348066	0.810866075302411
CHOL	KAT6B	cg18462764	-0.266096358269958	36	-1.60962788939896	0.116726122922749	0.0708072718845338	0.265677521479632
CHOL	KAT6B	cg18491775	0.283616103867371	36	1.72456615767097	0.0936873907551712	0.0804380943729074	0.227298202913076
CHOL	KAT6B	cg24671245	0.354053191990709	36	2.20745435313906	0.0341317714588617	0.12535366275881	0.108701315301539

CHOL	KAT6B	cg26605858	0.0478320488017131	36	0.279225979747938	0.781762938471497	0.00228790489256946	0.879452572309566
CHOL	KDM1A	cg00062312	-0.182604264275121	36	-1.08296512096397	0.286444631389564	0.0333443173314583	0.483765482219412
CHOL	KDM1A	cg00541565	-0.18380603390574	36	-1.09034078651285	0.283230404164335	0.0337846581001579	0.480548429948317
CHOL	KDM1A	cg04886391	-0.214885354480428	36	-1.28295696247231	0.208184155980696	0.0461757155701792	0.393332804623249
CHOL	KDM1A	cg06958034	0.160196120226236	36	0.94631736501023	0.350664112860942	0.0256627969355388	0.549661196235371
CHOL	KDM1A	cg07118078	-0.0135609054371801	36	-0.0790802589459805	0.937432396953512	0.000183898156276142	0.966551912185071
CHOL	KDM1A	cg07785945	-0.183214679095755	36	-1.08671081262795	0.284809100753616	0.0335676186361606	0.482091411563062
CHOL	KDM1A	cg10499166	-0.140839854279903	36	-0.82949853212644	0.412608532831456	0.0198358645535843	0.608248089954716
CHOL	KDM1A	cg12578844	0.088793390986028	36	0.519803179740894	0.606568784733274	0.00788426628279764	0.764913034430821
CHOL	KDM1A	cg22683154	0.0461367521344473	36	0.269307959417515	0.789320371658651	0.00212859989751543	0.88408632188378
CHOL	KDM1A	cg26662347	-0.0912161740250175	36	-0.534103739842773	0.596745001091818	0.00832039040376228	0.7578057560388
CHOL	KDM1B	cg11007366	-0.0545311981430513	36	-0.318442614337636	0.752097152781135	0.00297365157091672	0.861182447566601
CHOL	KDM1B	cg15124342	-0.235504297821583	36	-1.41295601095279	0.166758271015979	0.0554622742924371	0.339291040549681
CHOL	KDM1B	cg20677365	-0.0785417667208038	19	-0.32483948657914	0.749265869664403	0.00616880911962516	0.859533268420571
CHOL	KDM1B	cg22406543	-0.13592423586802	36	-0.799992220692074	0.429269619933112	0.0184753978963052	0.623370868811046
CHOL	KDM1B	cg23073439	-0.23551407804612	36	-1.41301813516715	0.166740143952378	0.0554668809579141	0.339267474226911
CHOL	KDM1B	cg23860886	-0.132133994693576	36	-0.777282283805782	0.442367155562218	0.0174593925536819	0.634746002300356
CHOL	KDM1B	cg24342628	0.0790121211977566	36	0.46216075161332	0.646909937592301	0.00624291529616898	0.792960366978898
CHOL	KDM2A	cg05038268	-0.442513425133559	36	-2.87732401842498	0.00688227722759335	0.195818131423434	0.0319889989032322
CHOL	KDM2A	cg05295919	-0.317709756928646	36	-1.95377950506444	0.0589943278151423	0.100939489647659	0.162617983773339
CHOL	KDM2A	cg06320126	-0.229446056195384	36	-1.37456028878595	0.178260421542065	0.0526454927036152	0.354842282271268
CHOL	KDM2A	cg07283932	-0.0842996741283014	36	-0.493303283646693	0.62496969770114	0.0071064350581378	0.777983415908476
CHOL	KDM2A	cg08836144	-0.305625957438775	15	-1.15732620413907	0.267961938651432	0.0934072258603681	0.463655826121597
CHOL	KDM2A	cg09993857	-0.194253514421994	36	-1.1546779415715	0.256273640265802	0.0377344278652959	0.450553720328997
CHOL	KDM2A	cg11637544	0.0555174862626064	36	0.324219831089836	0.747757854044195	0.00308219128091869	0.858416769537966
CHOL	KDM2A	cg16004548	-0.0610592898862469	36	-0.356699332776084	0.723521178148216	0.00372823688141274	0.843318498312367
CHOL	KDM2A	cg18132081	0.22790805266316	36	1.36483984784796	0.181268082663472	0.0519420804687137	0.358553973473064
CHOL	KDM2A	cg21293464	-0.434117997044738	36	-2.80990647528001	0.00815984307180895	0.188458435358135	0.0364840986222372
CHOL	KDM2A	cg21711868	-0.128666195100042	36	-0.756534741062683	0.454539211106585	0.0165549897615221	0.644816065298255
CHOL	KDM2A	cg25597833	-0.0858223021176077	36	-0.502278893282626	0.618709037808805	0.00736546754076592	0.773688979049231
CHOL	KDM2B	cg03486832	-0.0677464633045797	36	-0.395936004121508	0.694626015060204	0.00458958329027877	0.824961929374308
CHOL	KDM2B	cg05067991	-0.122312278098356	36	-0.718592441968646	0.477301708393208	0.0149602933736095	0.66499209768455
CHOL	KDM2B	cg07020001	-0.103028782195772	36	-0.603969974377706	0.549872574685349	0.0106149299607438	0.722723871617849
CHOL	KDM2B	cg07529210	-0.0831525978099068	36	-0.486543783565695	0.629703344882216	0.00691435452253612	0.781525713855941
CHOL	KDM2B	cg07793808	-0.0455237964615218	36	-0.265722553884622	0.792057561891368	0.00207241604427006	0.885942860816349
CHOL	KDM2B	cg09151742	-0.143598347659156	36	-0.846083826532934	0.403421621887342	0.0206204854504398	0.599853206414408
CHOL	KDM2B	cg12251659	0.122472881257931	36	0.719550354676764	0.476719119916638	0.0149996066436194	0.664444635235024
CHOL	KDM2B	cg12888660	-0.0906806114247228	36	-0.530941749074235	0.598910613279997	0.00822297328836156	0.759279243998893
CHOL	KDM2B	cg15234492	-0.0866757425024733	36	-0.507311312474005	0.615211394240552	0.00751268433835506	0.77102371729334
CHOL	KDM2B	cg15316703	-0.0438536157368297	36	-0.255954560397447	0.799528197823312	0.00192313961319352	0.890521821482808
CHOL	KDM2B	cg16837338	-0.0876969186921074	22	-0.393709425639156	0.697961512243741	0.00769074954809009	0.826728359955793
CHOL	KDM2B	cg17452615	-0.0672345681135474	36	-0.392930657291866	0.696823591954473	0.00452048714941525	0.826191873999401
CHOL	KDM2B	cg20055546	-0.0331084241970012	36	-0.193159525456403	0.847983312296816	0.00109616775280858	0.918845987149665
CHOL	KDM2B	cg21249371	-0.0719394678734237	36	-0.420565261169629	0.676718958219816	0.00517528703791137	0.813233561995094
CHOL	KDM2B	cg21781916	0.0297157188136554	36	0.17334747881346	0.86340622876775	0.000883023944612232	0.927402835053578
CHOL	KDM2B	cg26218726	-0.0900424753867725	36	-0.527174765332863	0.601495426370191	0.00810764737377754	0.761139404816406
CHOL	KDM2B	cg26509318	-0.22092693384782	36	-1.32085210101961	0.195372323690557	0.0488087100993989	0.377075806911534
CHOL	KDM3A	cg01744130	-0.491723168115911	36	-3.2928038056843	0.00232058987633347	0.241791674061948	0.0134052104284166
CHOL	KDM3A	cg02152982	-0.410994374428726	34	-2.55028375257143	0.0157511677204123	0.16891637581206	0.0605827322081359
CHOL	KDM3A	cg02972551	-0.408773820724822	36	-2.61171070077452	0.0133124255779947	0.167096036509969	0.0532866907854138
CHOL	KDM3A	cg03037033	-0.260761882961473	36	-1.57497932018531	0.124521678841639	0.0679967596056132	0.277644761378488
CHOL	KDM3A	cg04793821	-0.247460773735327	36	-1.48925067174081	0.145639706752144	0.0612368345376865	0.309568440314662
CHOL	KDM3A	cg07052513	-0.174256933400271	36	-1.03187119944357	0.309417010226674	0.0303654788380664	0.508036869851706
CHOL	KDM3A	cg07211384	-0.107949662487767	27	-0.542920946386238	0.591992286019701	0.0116531296312227	0.754479814852828
CHOL	KDM3A	cg12888358	-0.26864425972378	36	-1.6262329530682	0.113134561755614	0.0721697382825375	0.26020547827626
CHOL	KDM3A	cg18611949	-0.189395101340811	36	-1.12470989420701	0.26858969217559	0.0358705044118961	0.464386879936781
CHOL	KDM3A	cg19139691	-0.16943225659203	36	-1.00244484970191	0.323210159759207	0.0287072895738676	0.522653429124215

CHOL	KDM3A	cg20191795	-0.237801669178096	36	-1.42756150529809	0.162538992846673	0.0565496338638888	0.333181165437381
CHOL	KDM3A	cg20918903	-0.17694320438889	36	-1.04828818531036	0.301900832196551	0.0313088975794084	0.500321105617539
CHOL	KDM3A	cg22404242	-0.306997414748008	36	-1.88091593220731	0.0685705216126416	0.0942474126619601	0.181608114878761
CHOL	KDM3A	cg24749656	-0.172521855189663	36	-1.02128002767463	0.314333958895099	0.0297637905180829	0.513379576719124
CHOL	KDM3B	cg00435490	-0.100428956322995	36	-0.588572097160636	0.560038406863924	0.0100859752681261	0.730712083402413
CHOL	KDM3B	cg03315484	-0.233073111358724	36	-1.39752709358599	0.171308324774604	0.0543230752384364	0.34544973346248
CHOL	KDM3B	cg05191700	-0.423847810111132	36	-2.72865738223335	0.00999348561570437	0.179646966136002	0.04260222812819
CHOL	KDM3B	cg05708550	0.114197793874788	36	0.670266705064271	0.507215189219899	0.0130411361258685	0.689999273076852
CHOL	KDM3B	cg05722427	0.285001154649726	36	1.73373073724412	0.0920267441656087	0.0812256581516768	0.224367824232774
CHOL	KDM3B	cg15001364	-0.266791633753822	36	-1.61415548381208	0.115737678646204	0.0711777758410336	0.264022549193678
CHOL	KDM3B	cg18682923	0.1010392417745	36	0.592185502463603	0.557644274019243	0.0102089283783658	0.728861346703817
CHOL	KDM3B	cg19076659	0.0998652747954335	36	0.585235222736301	0.562253932360038	0.00997307310996744	0.732511004968715
CHOL	KDM3B	cg24137987	-0.373818573765904	36	-2.35009572322521	0.0247119698390126	0.139740326092375	0.0854647008827307
CHOL	KDM4A	cg00154982	0.233309330103541	36	1.39902497547243	0.170862380047852	0.0544332435133631	0.344818615581679
CHOL	KDM4A	cg00979347	0.437279069307603	36	2.83518278584408	0.00765685800048228	0.191212984454523	0.0347565416786975
CHOL	KDM4A	cg03587511	0.408649395190567	36	2.61075633071746	0.0133432815583376	0.166994328189616	0.0533662662870451
CHOL	KDM4A	cg08552254	-0.166344197086954	34	-0.954280147510314	0.347095467532033	0.0276703919045034	0.546365812128183
CHOL	KDM4A	cg10958452	-0.441511312338981	34	-2.78356012684273	0.00894926125953728	0.194932238923289	0.0391746581550445
CHOL	KDM4A	cg10968649	0.464626732932516	36	3.05950969133737	0.00430551039575328	0.215878000955543	0.0220226757661405
CHOL	KDM4A	cg12293275	0.523052657911905	36	3.57842727959795	0.00106377837820703	0.273584082948708	0.00706768939740692
CHOL	KDM4A	cg17737314	-0.366994315376024	35	-2.26636131128331	0.0301113244739264	0.134684827518317	0.0989860879222872
CHOL	KDM4A	cg19743044	-0.205353134258708	36	-1.22347910341055	0.229560682420713	0.0421699097498749	0.419617522785156
CHOL	KDM4A	cg20873046	0.169025809413522	36	0.999969296695357	0.324389353498498	0.0285697242478962	0.523787238549205
CHOL	KDM4A	cg21451504	0.0423892006654028	36	0.247391752107278	0.80609292683092	0.00179684433305179	0.89482296161365
CHOL	KDM4A	cg22094309	-0.0114860287679033	36	-0.0669788995790133	0.946990826464216	0.000131928856857102	0.971710141185216
CHOL	KDM4A	cg24324755	0.363468457335819	36	2.27495952228762	0.0293329969787115	0.13210931947808	0.0970786678704109
CHOL	KDM4A	cg24505556	0.198406357943065	36	1.18036373893069	0.246047906062732	0.0393650828722317	0.439055206997068
CHOL	KDM4A	cg25841161	0.241850659279553	36	1.45336489930384	0.15529094323978	0.0584917413939543	0.323194939361553
CHOL	KDM4B	cg01098771	-0.0749112048146436	36	-0.438034417158647	0.664131765101655	0.00561168860678149	0.804908495892039
CHOL	KDM4B	cg12072803	-0.0448100786275571	36	-0.261548131718208	0.79524779703741	0.00200794314660785	0.887889936747109
CHOL	KDM4B	cg18115693	0.0494254213901951	36	0.288549915311403	0.774677754060754	0.00244287227959836	0.875083946091106
CHOL	KDM4C	cg00121158	0.209191982227654	36	1.24738734099225	0.220779395136188	0.0437612854283352	0.409033395218495
CHOL	KDM4C	cg00667760	0.0377712475644064	36	0.220399602106257	0.82687806086244	0.00142666714257168	0.907024137996794
CHOL	KDM4C	cg05545111	0.242972947819515	36	1.46053121489214	0.153324089183189	0.0590358533721049	0.320507703719388
CHOL	KDM4C	cg14196303	-0.0721763621740802	36	-0.421957409128682	0.675712334564676	0.00520942725668399	0.812543979228896
CHOL	KDM4C	cg14473811	0.113626462010174	36	0.666869385994866	0.509356198578951	0.0129109728689496	0.691826635104509
CHOL	KDM4C	cg14497348	0.215805265459462	36	1.28871690200221	0.206196757720005	0.0465719126000291	0.390650006577129
CHOL	KDM4E	cg15555590	0.0471298951521199	36	0.275117870927477	0.784890712516961	0.00222122701704982	0.881152444653865
CHOL	KDM4E	cg19409026	-0.106647097166536	36	-0.625420908858994	0.535870517671999	0.0113736033340485	0.712153395539202
CHOL	KDM5B	cg00528052	0.171531259063398	36	1.01523768491283	0.317163037194696	0.0294229728358746	0.516381867847633
CHOL	KDM5B	cg00571448	0.0471380179550793	36	0.27516539287564	0.784854510059097	0.00222199273673338	0.881135940672079
CHOL	KDM5B	cg02624558	0.0753004899958835	36	0.440323663097462	0.662489487537071	0.00567016379362015	0.803694401544754
CHOL	KDM5B	cg04504182	0.185948764885395	36	1.1035040291022	0.277557622540444	0.034576943162404	0.474337507697795
CHOL	KDM5B	cg08915090	0.0686787193446021	36	0.401410106523999	0.690630121657303	0.00471676649081462	0.822212685717006
CHOL	KDM5B	cg09889216	-0.25803685167653	36	-1.55733965998254	0.128650483065592	0.0665830168231356	0.28401491756252
CHOL	KDM5B	cg11171004	0.15457963608082	36	0.912312110736381	0.368028234962559	0.0238948638908788	0.566906649866148
CHOL	KDM5B	cg11221497	-0.0560450633646623	36	-0.327310521936255	0.745439832577212	0.00314104912754901	0.857002825017888
CHOL	KDM5B	cg13134514	0.210693925088939	36	1.25675773837414	0.217407189103538	0.0443919300693834	0.404887840398368
CHOL	KDM5B	cg13253785	0.0198175334639899	36	0.115577782230717	0.908667104391257	0.000392734632596359	0.951500144282204
CHOL	KDM5B	cg13993945	-0.323757496098032	36	-1.99527997040701	0.0540759384870393	0.104818916279667	0.152796148433123
CHOL	KDM5B	cg14560895	-0.165208656194728	36	-0.976745541501436	0.335594015488604	0.0272939000816679	0.535173621216271
CHOL	KDM5B	cg21105875	0.143685640372192	25	0.696317545228087	0.493207479645507	0.020645563249167	0.678573522302364
CHOL	KDM5B	cg24354901	0.218100866849191	36	1.30310634151589	0.201294788029805	0.0475679881203684	0.384556536921752
CHOL	KDM5B	cg27531483	-0.124551312856801	36	-0.731952303432517	0.469213269853444	0.0155130295343528	0.658111358359577
CHOL	KDM5C	cg01859586	0.0641566901290415	36	0.374866860553187	0.710087707196065	0.00411608088831385	0.834891001188101
CHOL	KDM5C	cg04927657	0.163022318838606	36	0.963464154893393	0.342117518433589	0.0265762764395161	0.541301054121027
CHOL	KDM5C	cg04927982	-0.311729018992136	36	-1.91299968521169	0.0642004989102015	0.0971749812817993	0.172978686392831

CHOL	KDM5C	cg09554224	0.346808011260247	36	2.15603253085771	0.0382452758213789	0.120275796674288	0.118432278398826
CHOL	KDM5C	cg12234996	-0.626894805475383	36	-4.69179194977994	4.29549322375407e-05	0.392997097132018	0.000465603455272014
CHOL	KDM5C	cg16417926	-0.222924181388588	36	-1.33341450607085	0.191261070167922	0.0496951906477722	0.371741753720007
CHOL	KDM5C	cg16824069	-0.367820572463021	36	-2.30643239537025	0.0273101697391728	0.135291973527024	0.0920363604526603
CHOL	KDM5C	cg19903753	-0.571659145558482	36	-4.06258707983363	0.000270541031152443	0.326794178700654	0.00223874789676344
CHOL	KDM5C	cg24985300	-0.146020585060582	36	-0.860663989531885	0.395451964484076	0.0213220112614346	0.592184803575031
CHOL	KDM5C	cg27526317	-0.546815018321659	36	-3.80822805310915	0.000559030147312622	0.299006664262116	0.00412024550260901
CHOL	KDM6A	cg00751785	-0.392826961888591	36	-2.49078318410884	0.0177911795196577	0.154313021986621	0.0665535208478673
CHOL	KDM6A	cg03267667	-0.0881885872980799	36	-0.51623476599743	0.609031837848396	0.00777722692963106	0.766665302891627
CHOL	KDM6A	cg03478540	-0.183751449667801	36	-1.0900056752282	0.283375886043705	0.0337645952550182	0.48069449670658
CHOL	KDM6A	cg06877198	-0.0657881963848561	36	-0.384440656768774	0.703045990928239	0.00432808678357239	0.83025062342727
CHOL	KDM6A	cg07167981	-0.178970670853529	36	-1.0606949181935	0.296305524222996	0.0320305010257623	0.49427034804451
CHOL	KDM6A	cg11895950	-0.13803509600153	36	-0.81265527872111	0.422069750947004	0.0190536877281517	0.617178139605858
CHOL	KDM6A	cg14384228	-0.242140643647538	36	-1.45521598444022	0.154780990853584	0.0586320913060439	0.322461433878678
CHOL	KDM6A	cg15923127	-0.139416366074404	36	-0.820947621889432	0.417395258237355	0.0194369231293922	0.612842494325018
CHOL	KDM6A	cg17824914	-0.0864382628559273	36	-0.505910871183982	0.616183820011677	0.00747157328555039	0.771894238321257
CHOL	KDM6A	cg20211377	-0.0929438826310969	36	-0.544307425571141	0.589782129459861	0.00863856531854311	0.752833620595824
CHOL	KDM6A	cg22133177	-0.0855062476157981	36	-0.500415521172795	0.620006421247364	0.00731131838133418	0.774680667085681
CHOL	KDM6A	cg27306636	-0.496125635131492	36	-3.33185399816944	0.00208884193431572	0.246140645834626	0.0123152231480225
CHOL	KDM6B	cg01046511	-0.261423963302884	36	-1.57927117294704	0.12353360752962	0.0683424885889877	0.276289378839066
CHOL	KDM6B	cg02308232	-0.399876236210288	36	-2.54389874732658	0.0156764773508995	0.159901004285706	0.0603611106234346
CHOL	KDM6B	cg24893073	-0.289375189287311	36	-1.762750770801	0.0869303812290322	0.083738000175067	0.215465613671016
CHOL	KDM8	cg00636124	0.0169516170798396	36	0.0988582685765617	0.921831363864234	0.00028735732162151	0.959036978715821
CHOL	KDM8	cg01755539	0.0566244533420458	36	0.330705063741796	0.74289669469746	0.00320632871628552	0.855481459341793
CHOL	KDM8	cg06329197	-0.04022463542237	36	-0.23473789647311	0.815820136894056	0.00161802129486258	0.900888659651445
CHOL	KDM8	cg08572679	0.12523506901439	36	0.736034389998523	0.466757739198553	0.015683822511039	0.65596516237399
CHOL	KDM8	cg09140090	0.0918916788915252	36	0.538092624185411	0.594018381850782	0.00844408064950318	0.755758726973984
CHOL	KDM8	cg10214171	-0.130671562863507	36	-0.768529187577445	0.447478468844058	0.0170750573411914	0.639056192261231
CHOL	KDM8	cg10221365	-0.287515776912266	36	-1.75039971362027	0.089069592864371	0.0826653219734637	0.21921782756742
CHOL	KDM8	cg16752029	-0.0796275482535805	36	-0.465783412208477	0.644340688761556	0.0063405464408763	0.791364827544821
CHOL	KDM8	cg24206694	-0.036691634876263	36	-0.214091319453445	0.831754638261562	0.001346276069893	0.90977513882858
CHOL	KDM8	cg24705286	-0.0485055934011972	36	-0.283167094643961	0.778765768505522	0.00235279259120226	0.877680433072909
CHOL	KIAA202f	cg03495688	0.0943376927031601	36	0.552542747665238	0.584191119830266	0.00889960026455586	0.748880532183299
CHOL	KIAA202f	cg25608569	-0.177738619877908	36	-1.05315394145909	0.299697728999807	0.0315910169961035	0.497956563168941
CHOL	KMT2B	cg09284703	0.22634999384419	36	1.35500364120016	0.184351462652688	0.0512343197132649	0.362782164914238
CHOL	KMT2B	cg13830730	0.0172910252607072	36	0.100838211916473	0.920271194892124	0.000298979554566414	0.958068447870112
CHOL	KMT2B	cg15496871	-0.0584683594816962	36	-0.341510426318109	0.734821105706261	0.00341854906048085	0.850474940077555
CHOL	KMT2B	cg24471867	0.0527979612434451	36	0.30829237375606	0.759740834500705	0.00278762471146434	0.8662994280564
CHOL	L3MBTL1	cg01071811	-0.18584185533905	36	-1.10284687680001	0.277838896065659	0.0345371951958602	0.474673764922325
CHOL	L3MBTL1	cg01877937	-0.354847673237833	36	-2.21312045151396	0.0337035631960435	0.125916871202304	0.107639544560551
CHOL	L3MBTL1	cg02177317	-0.131814471783729	36	-0.77536940379141	0.443481181099506	0.0173750549716234	0.635656098259503
CHOL	L3MBTL1	cg02472486	-0.13563937592006	36	-0.798284198987352	0.430246431984182	0.0183980402999834	0.624264975562845
CHOL	L3MBTL1	cg02611863	-0.285424636520912	36	-1.73653518027542	0.0915235331019974	0.0814672231330948	0.22350520260349
CHOL	L3MBTL1	cg03486259	0.174515701547491	36	1.0334516047619	0.308687883054765	0.0304557300866131	0.507300107196536
CHOL	L3MBTL1	cg04984575	-0.207573753047441	36	-1.23730178016365	0.224452583025311	0.0430868629541999	0.413681069058046
CHOL	L3MBTL1	cg06362543	-0.0615149539118325	36	-0.359371328182835	0.721539733254941	0.00378408955477487	0.842220385146142
CHOL	L3MBTL1	cg06446163	-0.356769241350701	36	-2.2268474504936	0.0326859930926966	0.127284291573955	0.105221143203395
CHOL	L3MBTL1	cg06908806	0.136611895078328	36	0.804116262736455	0.426916650796617	0.018662809876892	0.621314774732266
CHOL	L3MBTL1	cg07678583	-0.201609804339687	36	-1.2002225372407	0.238349124840589	0.0406465132058868	0.430002361212607
CHOL	L3MBTL1	cg08369943	-0.239435506840693	36	-1.43796403026677	0.159585508446693	0.0573293619360594	0.329214792675927
CHOL	L3MBTL1	cg08633313	-0.315182860580782	36	-1.93651859022721	0.0611515566552068	0.0993402356038849	0.166902578621028
CHOL	L3MBTL1	cg09541000	-0.06768512409624	36	-0.395575863894037	0.694889216768775	0.0045812760239234	0.825051689218878
CHOL	L3MBTL1	cg10360552	-0.140190848156624	36	-0.825599297312264	0.414787062527192	0.0196534739068736	0.610349261221162
CHOL	L3MBTL1	cg12699433	-0.123010877454333	36	-0.722759635355302	0.474770249937003	0.0151316759720848	0.662607914505028
CHOL	L3MBTL1	cg14306330	0.00164560929770607	36	0.00959548164506896	0.992400113643199	2.70802996069667e-06	0.995991406089619
CHOL	L3MBTL1	cg15123011	0.135272697218541	36	0.79608588844827	0.43150562059974	0.0182987026127791	0.625402169222148
CHOL	L3MBTL1	cg15302378	-0.0549601962204849	36	-0.320955369515624	0.750208793218527	0.0030206231685942	0.86005692563356

CHOL	L3MBTL1	cg15330298	-0.16701628170916	36	-0.987737529633672	0.330258682646401	0.0278944383559533	0.529997193617339
CHOL	L3MBTL1	cg15388309	-0.252773651359445	36	-1.5233821635832	0.13691120226293	0.0638945188215864	0.296665090213425
CHOL	L3MBTL1	cg16862791	-0.174203320311197	36	-1.03154378946589	0.30956821082785	0.0303467968074457	0.508215021341567
CHOL	L3MBTL1	cg17091610	-0.21403822000984	36	-1.27765587333267	0.210026021497278	0.0458123596249809	0.395621305996737
CHOL	L3MBTL1	cg17774347	0.219790981492144	36	1.31371492779859	0.19773804596815	0.0483080755452801	0.380142333074307
CHOL	L3MBTL1	cg18911945	-0.0697675328695602	36	-0.407804835460009	0.685973591725504	0.00486750864270516	0.819232781550233
CHOL	L3MBTL1	cg20091959	-0.29285689115643	36	-1.78593653698263	0.0830315119742975	0.0857651586978093	0.208406576838372
CHOL	L3MBTL1	cg20252111	-0.0394635927809071	36	-0.230289704708538	0.819246671264833	0.00155737515517726	0.902758790196148
CHOL	L3MBTL1	cg20529070	-0.23588668695015	36	-1.4153852943444	0.166050588644875	0.0556425290803181	0.338337859953888
CHOL	L3MBTL1	cg22330467	-0.09847305001335	35	-0.568447419535643	0.573579476586594	0.00969694157893173	0.740930239303547
CHOL	L3MBTL1	cg22457903	-0.300557686212584	36	-1.83749656625855	0.0748892948059013	0.0903349227414622	0.19368144282348
CHOL	L3MBTL1	cg22601123	-0.0291512760002441	36	-0.170051958200603	0.865977121250068	0.000849796892442409	0.928790490180813
CHOL	L3MBTL1	cg23626798	-0.252649070643385	36	-1.52258015098801	0.137111357890253	0.063831552896966	0.296989393030901
CHOL	L3MBTL1	cg24343973	-0.129865823120961	36	-0.763708776448765	0.450308231857424	0.0168651320148846	0.641186135052775
CHOL	L3MBTL2	cg02358112	0.123954097611145	36	0.728387740824961	0.471363581187227	0.0153646183145932	0.659627312262025
CHOL	L3MBTL2	cg06235991	-0.148432036843724	36	-0.875194941353941	0.387608818019618	0.0220320695615767	0.585496211510809
CHOL	L3MBTL2	cg08053598	0.011603092076706	36	0.0676616265854991	0.946451339119757	0.000134631745740518	0.97146409831619
CHOL	L3MBTL2	cg09993119	-0.0661419363461441	36	-0.386516834132962	0.701522400739343	0.00437475574361738	0.829040408886651
CHOL	L3MBTL2	cg12821546	0.06471837692918	36	0.378162534499886	0.707660715906163	0.00418846831234742	0.833410405310706
CHOL	L3MBTL2	cg13843727	0.0859544878914288	36	0.503058270229693	0.618166759819532	0.00738817398867779	0.773294926889443
CHOL	L3MBTL2	cg14679202	-0.164987688207843	36	-0.975402554152601	0.336249832861159	0.0272209372601684	0.535776570419699
CHOL	L3MBTL2	cg15283028	0.121688713069883	36	0.714873749597214	0.479567215224312	0.0148081428886044	0.666891956424113
CHOL	L3MBTL2	cg19467356	-0.0549995853100424	36	-0.321186090743275	0.750035482156052	0.00302495438427663	0.8599976461575
CHOL	L3MBTL2	cg24240981	0.107507537094089	36	0.630525633783311	0.532566245295873	0.011557870532037	0.709906512869688
CHOL	L3MBTL2	cg26947834	0.133616732831313	36	0.786162193773359	0.437217608594815	0.0178534312925145	0.630148707629781
CHOL	L3MBTL2	cg27177954	0.0806070030849344	35	0.464563687261273	0.645294549653088	0.00649748894633463	0.792073656406203
CHOL	L3MBTL3	cg03454037	-0.143937299148871	36	-0.848123134819662	0.402300907712373	0.0207179460862717	0.598840396742879
CHOL	L3MBTL3	cg07826275	-0.184723828480051	36	-1.09597700729283	0.280791469382358	0.0341228928083274	0.478005417504729
CHOL	L3MBTL3	cg08106148	-0.267881757639276	36	-1.6212597746874	0.114200562554703	0.0717606360759077	0.261651604034299
CHOL	L3MBTL3	cg08358392	-0.522654415197393	36	-3.57467821810385	0.00107488528954308	0.273167637725329	0.00712687515679827
CHOL	L3MBTL3	cg09710740	-0.292694825291694	36	-1.78485557468748	0.0832099400490678	0.0856702607525355	0.208733063814394
CHOL	L3MBTL3	cg10237990	-0.22213442783959	36	-1.32844496676802	0.192879416040602	0.0493437040316221	0.373748008355858
CHOL	L3MBTL3	cg16487825	-0.135131722763604	36	-0.795240807744565	0.431990274644571	0.0182605824970595	0.625779778144606
CHOL	L3MBTL3	cg16800851	-0.364959135849476	36	-2.2857200455433	0.0286267240798586	0.133195170839996	0.0953088835516786
CHOL	L3MBTL3	cg18411550	-0.236176834361158	36	-1.4172290389516	0.165515058001751	0.0557794970888578	0.337621628406976
CHOL	L3MBTL3	cg18798995	-0.291819100052628	36	-1.77901748634681	0.0841792153835936	0.0851583871555255	0.210546824471957
CHOL	L3MBTL3	cg22934935	0.202582478341609	36	1.20626024625999	0.236044021504129	0.0410396605310284	0.427324561331054
CHOL	L3MBTL3	cg24516147	-0.225534067059028	36	-1.34985698017224	0.185980881803337	0.0508656154041863	0.364823340329044
CHOL	LBR	cg01017344	-0.144626895499352	36	-0.852273046557622	0.400026328673314	0.0209169389017804	0.596669499337057
CHOL	LBR	cg05530459	-0.00259694927704915	36	-0.0151427373703254	0.988006816337225	6.74414554756612e-06	0.993665269616916
CHOL	LBR	cg12994003	-0.29174897547057	35	-1.7521998586333	0.0890281743160375	0.0851174646881274	0.219150746645274
CHOL	LBR	cg14607642	-0.0190714772395481	36	-0.111225095652149	0.91209186445633	0.000363721244098603	0.953306398110749
CHOL	LBR	cg18107727	-0.20816264378397	36	-1.24097078860628	0.223111074692588	0.0433316862671321	0.411861993859782
CHOL	LBR	cg18289048	-0.0904996346625072	36	-0.529873357549453	0.599643183175806	0.00819018387404728	0.759811740239086
CHOL	LBR	cg18764107	-0.139031285401614	36	-0.818635332190821	0.418695508864587	0.019329698320425	0.614148850151061
CHOL	LBR	cg19322477	-0.242456044834787	36	-1.45722978554987	0.154227721903366	0.0587849336769284	0.321665012493242
CHOL	LBR	cg20483690	-0.451618140947658	36	-2.95150215031219	0.00569451284732972	0.203958945233019	0.0275224240386528
CHOL	LBR	cg26930584	-0.336632081958409	31	-1.92517994747886	0.0640650019951508	0.113321158603653	0.172718697301638
CHOL	MBD1	cg01719254	-0.277158926710409	36	-1.6819940173786	0.101733985524205	0.076817070655266	0.241199578076389
CHOL	MBD1	cg03841029	-0.261766097031398	36	-1.58148994908879	0.123025312451146	0.0685214895550513	0.275413846239553
CHOL	MBD1	cg05549078	-0.0687792659477171	36	-0.402000567705766	0.690199641819381	0.0047305874243068	0.821973308022809
CHOL	MBD1	cg12090413	-0.0236795897681198	36	-0.138113275900368	0.890965639701662	0.000560722971586443	0.942350731114736
CHOL	MBD1	cg13478031	0.0810366096018776	36	0.4740797610975	0.638473520123553	0.00656693209576711	0.787378476023139
CHOL	MBD1	cg14389183	-0.169650544859899	36	-1.00377459810197	0.322577959870932	0.0287813073712607	0.52198917961933
CHOL	MBD1	cg19328682	-0.39948546073208	35	-2.50329475207158	0.0174305085334624	0.159588633336322	0.0655193747995832
CHOL	MBD1	cg21282183	-0.091343862359679	36	-0.534857687612407	0.596229180886669	0.00834370119078398	0.757445763147444
CHOL	MBD2	cg15090185	0.0415139739809034	35	0.238685389330357	0.812825612399606	0.00172341003568712	0.899115368178028

CHOL	MBD2	cg16852837	-0.380892726912291	36	-2.402034353756	0.0219138008620708	0.145079269414681	0.078035933936644
CHOL	MBD2	cg17987217	-0.264458340349284	36	-1.59897188036966	0.119079838646801	0.0699382137802979	0.269309174012711
CHOL	MBD2	cg22224310	-0.387286814478429	36	-2.44940402607295	0.0196161267830198	0.149991076668849	0.0717517851682452
CHOL	MBD2	cg22836370	-0.118825466057248	36	-0.697809446973061	0.490041355488939	0.0141194913837221	0.675986828777489
CHOL	MBD2	cg23388714	-0.396534030906865	36	-2.51864970410706	0.0166511650147488	0.157239237667246	0.0632099122216059
CHOL	MBD2	cg224881765	-0.380526693432787	36	-2.39933496577429	0.0220518247364076	0.144800564414891	0.07840492018026
CHOL	MBD2	cg25192916	0.428517329036777	36	2.76543565750451	0.0091204582880014	0.183627101284813	0.0397376670056234
CHOL	MBD3	cg08660999	-0.133389008669626	36	-0.784798038064718	0.438006344801788	0.0177926276338655	0.630829687818389
CHOL	MBD3	cg09174855	-0.100034042317612	33	-0.559773792757158	0.579656409560423	0.0100068096224018	0.745610719842318
CHOL	MBD3	cg12286540	-0.0938649181736923	36	-0.549748996077323	0.58608492515911	0.00881062286375394	0.750320286227184
CHOL	MBD5	cg03890220	0.32589461803146	36	2.01001012819361	0.0524182000849176	0.106207302061871	0.149337927832934
CHOL	MBD5	cg04152151	0.224014456672224	36	1.34027962645589	0.189042615987303	0.0501824767981516	0.36880282044629
CHOL	MBD5	cg05218490	0.030077140959668	36	0.175457742582525	0.86176076693461	0.000904634408307736	0.92658151916918
CHOL	MBD5	cg06394585	0.0925691540369407	36	0.54209389559937	0.591289290324395	0.00856904827911485	0.75400787524904
CHOL	MBD5	cg06758980	0.353186575485937	36	2.2012800290183	0.0346039112953405	0.124740757103483	0.109899027365165
CHOL	MBD5	cg20595490	0.313352525092094	36	1.92404438725389	0.0627527263261249	0.0981898049815912	0.170126697745759
CHOL	MBD5	cg21412502	-0.103327827831819	36	-0.605741915167244	0.548708842186476	0.010676640004442	0.72188083440687
CHOL	MBD5	cg23120335	-0.356711467290763	36	-2.22643426242537	0.0327162168414806	0.127243070896729	0.1052966518955
CHOL	MBD5	cg25686162	0.113093927061896	36	0.663703369182692	0.511355882210917	0.0127902363382815	0.693558065943863
CHOL	MBD5	cg26664634	-0.181009851539136	36	-1.07318741623397	0.29074518496722	0.03276456635422	0.488338547569963
CHOL	MBTD1	cg01388767	-0.0397132089221926	36	-0.231748632826834	0.818122427682771	0.00157713896289772	0.902165910116911
CHOL	MBTD1	cg14577476	0.0985626263375083	36	0.577525993475099	0.567389344481735	0.00971459131054727	0.736050671434967
CHOL	MBTD1	cg17045523	-0.176612669805688	36	-1.04626684659994	0.302819350554338	0.031192035135893	0.501171560230847
CHOL	MBTD1	cg18711617	-0.279216186671035	36	-1.69553033576649	0.0991153018640317	0.0779616788991141	0.236774936072792
CHOL	MBTD1	cg22141797	-0.0185525671680669	36	-0.108197748996262	0.914474837084204	0.000344197748525633	0.954856000377055
CHOL	MBTD1	cg25259117	0.0367251862381028	36	0.214287351929676	0.831602993631681	0.00134873930422333	0.909713206794132
CHOL	MBTD1	cg25716740	-0.0770920376135264	36	-0.450861736108471	0.654951549528129	0.00594318226340538	0.798822583509575
CHOL	MBTD1	cg25855326	0.0682682035180825	36	0.398999474535978	0.69238869306947	0.00466054761158634	0.823377143731792
CHOL	MBTD1	cg27207041	-0.0404175267824303	36	-0.235865385191085	0.81495219019372	0.00163357647120847	0.900481367572335
CHOL	MBTD1	cg27214721	0.0322863208496968	36	0.188358182231546	0.851715639476365	0.00104240651400957	0.92090739909414
CHOL	MBTD1	cg27353579	-0.0841924377617405	36	-0.492671277100721	0.625411608998963	0.00708836657626455	0.77831534786622
CHOL	MLLT10	cg00879184	-0.0847396606505322	36	-0.495896562187901	0.623157902363194	0.00718081008716735	0.776728478832505
CHOL	MLLT10	cg03524461	0.0365508569192638	36	0.213268795862279	0.832390988197742	0.00133596514153249	0.910049949419272
CHOL	MLLT10	cg04188362	-0.127720917994568	36	-0.750884159903092	0.457888129369671	0.0163126328933751	0.647971715863864
CHOL	MLLT10	cg05913198	0.0374445247447097	36	0.21849044814176	0.828353193794881	0.00140209243335718	0.90773727952846
CHOL	MLLT10	cg06398735	0.166111087609857	36	0.982231862942378	0.332923836256431	0.0275928934269295	0.532594714327927
CHOL	MLLT10	cg11443787	-0.26144577184258	36	-1.57941258472954	0.123501160769545	0.0683538916143625	0.276240635448706
CHOL	MLLT10	cg15910013	-0.0165055687169227	36	-0.0962562898119208	0.923882165398008	0.000272433798669057	0.959938420497791
CHOL	MLLT10	cg19119538	-0.0571938725232503	36	-0.334041515013162	0.740399930230988	0.00327113905420581	0.853908234954554
CHOL	MLLT10	cg20569108	-0.304899491693671	36	-1.86673996267699	0.0705813095978056	0.0929637000350587	0.185487548099848
CHOL	MLLT10	cg23344688	-0.138001172990896	36	-0.812451685703541	0.422184920588716	0.0190443237468632	0.617280148438343
CHOL	MLLT10	cg26877631	-0.301247569602538	35	-1.81484228816323	0.0786471176943285	0.090750098191436	0.200441419011682
CHOL	MLLT10	cg27470303	-0.124860251756156	36	-0.733796565263151	0.468102952821014	0.0155900824686106	0.657131534426122
CHOL	MLLT10	cg27572529	-0.0867367309080642	36	-0.507670981270207	0.6149617644917	0.00752326048861794	0.770921997983552
CHOL	MLLT6	cg05652455	-0.283688337463583	36	-1.72504382083715	0.0936002208433515	0.0804790728128515	0.227195309194112
CHOL	MORF4L	cg03589001	0.0527473014916118	36	0.307995740881307	0.759964588537216	0.00278227781464699	0.86647564615777
CHOL	MORF4L	cg07757959	-0.310629220487359	36	-1.90552831591937	0.0651961214727053	0.0964905126205845	0.174994551076411
CHOL	MORF4L	cg08692282	-0.0593826710165523	36	-0.346869621648451	0.730827078797054	0.00352630161706009	0.847864034448555
CHOL	MORF4L	cg13747872	-0.0495454634674382	36	-0.289252453884148	0.774144685344885	0.00245475295020326	0.87490101912864
CHOL	MORF4L	cg15822222	0.0271589521294709	36	0.15842098050449	0.875062307401669	0.000737608680770893	0.933880369017354
CHOL	MORF4L	cg20775702	-0.178715652687155	36	-1.05913361456904	0.29700564349968	0.0319392845153957	0.495056072814837
CHOL	MORF4L	cg20905746	-0.278788573590773	36	-1.69271465976272	0.0996553354057982	0.0777230687647777	0.237670360883743
CHOL	MORF4L	cg23623458	-0.219651592281831	12	-0.711987203310708	0.492748623460696	0.0482468219919436	0.678170094358173
CHOL	MORF4L	cg24795825	0.304656593368286	24	1.50028630446367	0.147755936090189	0.0928156398827691	0.312583909024386
CHOL	MPHOSF	cg00331616	-0.0916499447413299	36	-0.536665088187194	0.594993496250387	0.00839971237108883	0.756458253073308
CHOL	MPHOSF	cg03134886	-0.170787317600599	36	-1.01070194967887	0.319298136326815	0.0291683078532078	0.518641271258764
CHOL	MPHOSF	cg03428000	0.23102385273392	36	1.38454352316301	0.175211974541498	0.0533720205320239	0.350802737034648

CHOL	MPHOSF	cg04203901	-0.1050373456667	36	-0.615874556557769	0.542078660460833	0.0110328439847059	0.716840537060714
CHOL	MPHOSF	cg06019692	-0.308083887426739	36	-1.8882692638171	0.0675469958339784	0.0949156816919714	0.179639473267106
CHOL	MPHOSF	cg09559995	-0.155130724684001	36	-0.915644631900991	0.366302211917597	0.0240655417409832	0.565208447030119
CHOL	MPHOSF	cg11051893	0.0317413956433	36	0.185175858417783	0.854191339789631	0.00100751619738451	0.92216741958416
CHOL	MPHOSF	cg19693579	0.0305388389240037	36	0.178153594932343	0.859659609294809	0.000932620682826245	0.925419417782642
CHOL	MPHOSF	cg20759595	-0.197871562460929	36	-1.17705229235549	0.247349199559792	0.0391531552307295	0.440639223810615
CHOL	MPHOSF	cg20952532	-0.18740016909695	36	-1.11242955821007	0.273757381063592	0.0351188233775654	0.470156560091421
CHOL	MPHOSF	cg21958444	-0.359821457149517	36	-2.248718095996	0.0311214287100033	0.129471481025202	0.101422854445326
CHOL	MPHOSF	cg22656705	-0.382837685400718	36	-2.41640005838636	0.0211923786745842	0.146564693362979	0.0761184980750348
CHOL	MSH6	cg00620552	-0.207395253745008	36	-1.23618994094096	0.224860294026135	0.0430127912759563	0.414147341027185
CHOL	MSH6	cg02905881	-0.0985902590045255	36	-0.577689495631167	0.56728018627072	0.00972003917057942	0.735982702557359
CHOL	MSH6	cg05039065	0.088317325235295	36	0.516994286805476	0.608507198708101	0.00779994993671687	0.766263216942892
CHOL	MSH6	cg07652213	-0.0221082118218202	36	-0.128943435502415	0.898162165654007	0.000488773029958469	0.946117945337319
CHOL	MSH6	cg09898070	-0.00073206173707055	36	-0.0042686179167223	0.996619093932166	5.35914386882763e-07	0.998316892964834
CHOL	MSH6	cg11869233	-0.30682880455208	35	-1.85192542871103	0.0730010119734594	0.0941439153028584	0.190150697296702
CHOL	MSH6	cg16595246	-0.291581724574321	36	-1.77743584818366	0.084443446007315	0.0850199021057351	0.211017745613474
CHOL	MSH6	cg18222961	-0.0249388412976794	36	-0.145462425828332	0.885204734198995	0.000621945805270839	0.939168465796141
CHOL	MSH6	cg19076255	-0.0820776275967816	36	-0.480210959045341	0.634152660370185	0.00673673695191596	0.784539555148944
CHOL	MSH6	cg19736286	-0.0447283773703751	36	-0.261070299771263	0.795613201803743	0.00200062774218668	0.888162451139064
CHOL	MSH6	cg21405109	-0.28258842988589	36	-1.71777385249782	0.0949343111901088	0.0798562207053726	0.22945039316256
CHOL	MTA1	cg01318265	-0.529011825153779	36	-3.63491629855935	0.000909263554713252	0.279853511152532	0.00620307545599195
CHOL	MTA1	cg01655777	-0.377205785757921	36	-2.37490422502893	0.0233373773249995	0.142284204809251	0.0818183141751083
CHOL	MTA1	cg05922925	-0.323969361936978	36	-1.99673873086318	0.0539097543984775	0.104956147473853	0.152428897745685
CHOL	MTA1	cg13052453	-0.337173836613268	36	-2.08833212617611	0.044329223671549	0.113686196096511	0.132118137549019
CHOL	MTA1	cg13981078	-0.371904175445776	36	-2.33612281435748	0.0255180387949187	0.138312715714002	0.0875186319829829
CHOL	MTA1	cg16531924	-0.375749003007387	36	-2.3642209953876	0.0239205909731103	0.141187313261045	0.0833882556870832
CHOL	MTA1	cg20222911	-0.326501094577522	25	-1.65663299194989	0.111174304258419	0.10660296476032	0.25685120650628
CHOL	MTA1	cg21517792	0.0911258838385979	36	0.533570628989156	0.597109861732485	0.00830392670536565	0.758108213791016
CHOL	MTA1	cg23123838	-0.359545559359382	36	-2.24673775985901	0.0312602817251052	0.129273009255051	0.101794154730968
CHOL	MTA1	cg23883989	-0.344290772206985	35	-2.10659037809333	0.0428397598438615	0.118536135826882	0.12874435128229
CHOL	MTA1	cg23966123	-0.377579048523039	36	-2.37764482723758	0.0231898558731794	0.142565937883564	0.0814534787700071
CHOL	MTA2	cg00501779	-0.263343424496438	36	-1.59172739269909	0.120702092144771	0.0693497592255112	0.271750096359554
CHOL	MTA2	cg07654871	-0.230853306033157	36	-1.38346386401407	0.175539683655155	0.0532932489064384	0.351256706886796
CHOL	MTA2	cg09086761	0.0258571422271728	36	0.150822180131869	0.881007265998919	0.000668591804156241	0.936887651408261
CHOL	MTA2	cg13708959	-0.303633608741541	36	-1.85820072122016	0.0718167737331942	0.0921933683574111	0.187801744455279
CHOL	MTA2	cg19570317	-0.474375408311803	36	-3.14209816029234	0.0034667635498227	0.22503202801099	0.0185051052281396
CHOL	MTA2	cg21002970	-0.0422872616399246	36	-0.24679574874396	0.806550394269853	0.00178821249700344	0.895130504838216
CHOL	MTF2	cg05396182	-0.06723110475412	36	-0.392910324904216	0.696838468532828	0.00452002144645946	0.826191873999401
CHOL	MTF2	cg05962718	-0.377324420425476	36	-2.37577512837117	0.0232904062774819	0.142373718249422	0.0817217926999425
CHOL	MTF2	cg09936581	-0.0791230058996714	36	-0.462813425866782	0.64644672454058	0.00626045006259944	0.792699933621946
CHOL	MTF2	cg11404133	-0.183772837556343	36	-1.09013698153923	0.283318875729343	0.0337724558235098	0.480656604917424
CHOL	MTF2	cg14474880	-0.361984247242913	36	-2.26426569515344	0.0300503634207074	0.131032595252018	0.0988222003699065
CHOL	MTF2	cg15463775	-0.328323284314467	36	-2.0267916322084	0.0505838354102715	0.107796179023038	0.145561844044783
CHOL	MTF2	cg16813892	0.0667480701635148	36	0.390074707090745	0.698914392782174	0.00445530487055349	0.827305522924126
CHOL	MTF2	cg19708337	-0.0649477396847409	36	-0.379508414537413	0.706670476385887	0.00421820889015687	0.832723242751427
CHOL	MTF2	cg22801127	-0.0370616812233094	36	-0.216253450823886	0.830082443789548	0.0013735682150982	0.908732407820944
CHOL	MTF2	cg23992808	-0.0660899300522862	36	-0.386211588636956	0.701746324892189	0.00436787885431608	0.829168936324412
CHOL	MTF2	cg26054395	-0.417902247012501	36	-2.68221173352134	0.0112070593264197	0.174642288058097	0.04659764688613
CHOL	NAP1L2	cg02379437	0.0146690617765682	31	0.0790038157649607	0.937572229907624	0.000215181373404773	0.966584424037341
CHOL	NAP1L2	cg04297329	-0.2912207055483	36	-1.77503105811844	0.0848465363369362	0.0848094993400498	0.211820912287655
CHOL	NAP1L2	cg07693661	-0.0904371997402613	31	-0.489023163828831	0.628503523175007	0.00817888709685993	0.780627089193184
CHOL	NAP1L2	cg20001978	-0.0914860208279752	34	-0.519702530651299	0.606847557131612	0.00836969200693672	0.765102164554343
CHOL	NAP1L2	cg23483095	-0.285420395969086	35	-1.71077963912403	0.0965083955020455	0.0814648024351497	0.232166637016735
CHOL	NCOA1	cg11380327	-0.0170207014100399	36	-0.0992612703872368	0.92151377812823	0.000289704276489735	0.958847627308334
CHOL	NCOA1	cg13911252	-0.169992543013874	36	-1.00585825696053	0.321589025257755	0.0288974646803237	0.521079748464631
CHOL	NCOA1	cg15477048	0.105819133201517	36	0.620510195755069	0.53905935555539	0.0111976889515205	0.714575597349897
CHOL	NCOA1	cg23006163	0.0833666798774609	24	0.39239032361642	0.698545616516654	0.00695000331379104	0.827114225505579

CHOL	NCOA3	cg04175879	0.155377663203182	36	0.917138192694256	0.365530361687259	0.0241422182224814	0.564442901945228
CHOL	NCOA3	cg09568061	-0.118438122480635	36	-0.695502333168994	0.491467276818511	0.0140275888567379	0.677102708352128
CHOL	NCOA3	cg12128876	0.366370904690464	36	2.29592965201473	0.0279707893742237	0.134227639803709	0.0937271971332255
CHOL	NCOA3	cg14341558	0.549573076894418	36	3.83571830945182	0.000517189109085716	0.302030566847198	0.00385817164187275
CHOL	NCOA3	cg14774045	0.239912715423263	36	1.44100482256401	0.158730221271695	0.0575581110217637	0.327957580835287
CHOL	NCOA3	cg18295930	0.102983427071269	36	0.603701245265791	0.550049174993149	0.0106055862513434	0.722764095659365
CHOL	NCOA3	cg21735648	0.215696142734215	36	1.28803345213712	0.206431818688201	0.0465248259904189	0.39098108056264
CHOL	NCOA3	cg22511723	0.168328836124507	36	0.995725454200479	0.326417646304367	0.0283345970710312	0.525873542655315
CHOL	NCOA3	cg22876277	0.29539211077128	36	1.80286818987619	0.0802787009266778	0.0872564991059124	0.203532826876873
CHOL	NCOA3	cg24856420	0.222311694128657	36	1.32956017844977	0.19251533222177	0.0494224893463537	0.373237744974839
CHOL	NCOA3	cg25373408	0.224113726227655	36	1.34090495826914	0.188841529516307	0.0502269622836444	0.368586144145109
CHOL	NCOR1	cg00253204	-0.138951242994273	36	-0.818154749998379	0.41896606288648	0.0193074479296534	0.61438685830893
CHOL	NCOR1	cg08125503	-0.16021801195072	36	-0.946450091573389	0.35059741833833	0.0256698113534409	0.549604843153506
CHOL	NCOR1	cg08206308	-0.32202914070225	36	-1.98339221361963	0.0554469315497505	0.103702767461429	0.155506474618981
CHOL	NCOR1	cg21211144	0.245029895038784	36	1.47368195347466	0.14976628683804	0.0600396494627175	0.315305648601572
CHOL	NCOR1	cg22291359	-0.171529566540132	36	-1.01522736374359	0.317167884534741	0.0294223921974455	0.516381867847633
CHOL	NCOR1	cg22625220	-0.21295957071879	36	-1.27091041103114	0.212387515038646	0.0453517787607315	0.398637534367479
CHOL	NCOR2	cg08976554	-0.114514865885257	36	-0.672152405536439	0.506028944680965	0.0131136545087185	0.689083621186618
CHOL	NCOR2	cg10641483	-0.0995136924867634	36	-0.58315421887155	0.563637855340901	0.00990297499235011	0.733493685176007
CHOL	NCOR2	cg13416396	0.0839525201681804	36	0.491257364982267	0.626400753072046	0.00704802564258873	0.779010457916148
CHOL	NCOR2	cg13419087	-0.0671307673828812	36	-0.392321279230934	0.697269507861548	0.00450653992941451	0.826414737032182
CHOL	NCOR2	cg13857025	0.0122822159118019	36	0.0716224125693024	0.943322060731212	0.00015085282770412	0.969774769961464
CHOL	NCOR2	cg16181859	-0.104656062224695	36	-0.6136141411179696	0.543554114071233	0.0109528913603793	0.717854999576563
CHOL	NCOR2	cg19895345	-0.0760871428812638	36	-0.444950304473129	0.659175567925718	0.00578925331183385	0.801686217113268
CHOL	NCOR2	cg23611643	0.042964664022925	36	0.250756453389755	0.803511626386699	0.00184596255906028	0.892964149985384
CHOL	NCOR2	cg24626542	-0.0743415503770532	36	-0.434684847275173	0.666537743718806	0.00552666611246394	0.806498213957701
CHOL	NCOR2	cg25113767	-0.0855502636761007	36	-0.500675018860023	0.6198256703000993	0.00731884761505035	0.774521042331559
CHOL	NCOR2	cg25449924	0.128009525921122	36	0.752609149588633	0.456864252256792	0.0163864387265505	0.647112355434261
CHOL	ORC1	cg00298020	-0.107180643130205	36	-0.628586104455683	0.53382042661348	0.0114876902618043	0.710816395391696
CHOL	ORC1	cg02275620	0.0645525065736974	36	0.377189259673224	0.708377130917593	0.00416702610494724	0.833812327285156
CHOL	ORC1	cg04407474	-0.167310323280535	36	-0.989526532278905	0.329395785551997	0.027992744276237	0.529087565609454
CHOL	ORC1	cg07142859	-0.0546729788381072	36	-0.319273041722281	0.751472906478863	0.00298913461503212	0.860808435595787
CHOL	ORC1	cg08613513	0.224483823193069	36	1.3432367091748	0.18809316620443	0.0503929868753773	0.367564961724073
CHOL	ORC1	cg10586599	0.0860453809300934	36	0.503594197729982	0.61779399606975	0.00740380757940489	0.772993858506782
CHOL	ORC1	cg13460942	0.155512002850953	36	0.917950794546235	0.365110866821137	0.0241839830307147	0.564086246568894
CHOL	ORC1	cg16136434	0.293284006969568	36	1.78878616151154	0.0825626924730839	0.0860155087441257	0.207598244877051
CHOL	ORC1	cg16965475	-0.0394070911296552	36	-0.229959476267292	0.819501197821723	0.00155291883130095	0.902815161705527
CHOL	ORC1	cg17146111	-0.323134601049412	36	-1.99099309008138	0.0545668926754752	0.104415970395363	0.153814655003838
CHOL	ORC1	cg19776520	-0.180899516597402	36	-1.07251111406027	0.291044313838757	0.0327246351051738	0.48860967786937
CHOL	ORC1	cg21197365	-0.172033241110175	36	-1.01829922877844	0.315727422175692	0.0295954360468717	0.514941907013622
CHOL	ORC1	cg23606758	0.129632248622091	36	0.7623116839887	0.451130353209651	0.0168045198828196	0.641777936511774
CHOL	ORC1	cg25605769	-0.238586573035102	36	-1.43255732068901	0.16111524747499	0.0569235528326342	0.331248997358988
CHOL	PADI1	cg14524955	-0.411813719734878	36	-2.63508194712865	0.012577060024824	0.169590539761876	0.0510125030016244
CHOL	PADI1	cg21010178	-0.274858997435821	36	-1.66689064235146	0.104723472354125	0.0755474684714246	0.246185814382733
CHOL	PADI1	cg22193702	-0.556283824909835	36	-3.9033622572493	0.000426788425098373	0.309451693856316	0.00327916827082497
CHOL	PADI2	cg00569276	0.076688721092596	36	0.448489006124491	0.656645610205133	0.00588115994281798	0.79992309114153
CHOL	PADI2	cg01603374	0.147805567548411	36	0.871418432739576	0.389637622269544	0.021846485798308	0.587294993157346
CHOL	PADI2	cg07014827	0.208590118663368	28	1.08752725884256	0.286783099684129	0.0435098376039979	0.484168589961308
CHOL	PADI2	cg09313801	-0.0919691807466704	36	-0.538550323666207	0.593705900431373	0.00845833020721374	0.755584646765428
CHOL	PADI2	cg10233913	0.161426088005409	36	0.953776721532438	0.34692885395849	0.0260583818887302	0.546245223942841
CHOL	PADI2	cg15185794	-0.0487239865640636	36	-0.284445062520299	0.777794624478826	0.00237402686669505	0.877101948463541
CHOL	PADI2	cg17183414	0.0274363911794993	36	0.16004052417305	0.873796188970033	0.000752755560954506	0.933173641270863
CHOL	PADI2	cg18228326	-0.00014721549020503	36	-0.0008584064508634	0.999320107739589	2.16724005563073e-08	0.999676909126047
CHOL	PADI2	cg18879300	0.1221709120238	36	0.717749315698802	0.477814822035627	0.0149257317447271	0.665445608862305
CHOL	PADI2	cg19282714	0.0966548890290712	36	0.566241174740398	0.574948663326658	0.00934216757322208	0.742006330918823
CHOL	PADI3	cg01459162	0.369504771914023	36	2.31865873519164	0.0265588695862714	0.136533776467234	0.0901448822248865
CHOL	PADI3	cg12858514	-0.322210954430372	36	-1.98464169737023	0.055301421745231	0.103819899154931	0.1552359108018

CHOL	PADI3	cg14664242	-0.196214216467812	36	-1.16679696003016	0.251411136009401	0.0385000187440775	0.445103159115981
CHOL	PADI3	cg17589397	-0.312673222076495	36	-1.91942082542748	0.0633553305588805	0.0977645438036969	0.171282870043355
CHOL	PADI3	cg18768338	-0.247190125179368	36	-1.48751581085557	0.146094993113861	0.0611029579861915	0.310120985982856
CHOL	PADI3	cg21966975	-0.270001054210161	36	-1.63509037165051	0.111256261474353	0.0729005692745983	0.256964242180863
CHOL	PADI4	cg16091981	-0.419072309253706	36	-2.6913186553907	0.0109588286731701	0.175621600383234	0.0457956122583044
CHOL	PADI4	cg18333690	-0.473826753085803	36	-3.13741116285568	0.00350988174523867	0.224511791939835	0.0186852624710256
CHOL	PADI4	cg19159961	-0.181687960135863	33	-1.0287174814937	0.311572555211334	0.0330105148583309	0.510406975665035
CHOL	PADI4	cg21295838	-0.439120884562988	36	-2.84996993582775	0.00737620861982201	0.192827151259381	0.0337405052843202
CHOL	PADI4	cg23228178	-0.0576991629413003	36	-0.33700248438356	0.738186538997555	0.00332919340412672	0.852556245951124
CHOL	PADI4	cg26918754	-0.356949556654235	36	-2.22813721638486	0.0325918102725727	0.127412985995655	0.104978771461764
CHOL	PADI6	cg12643633	0.0612644159554125	36	0.357902155939698	0.722628972051369	0.0037533286623578	0.842839513751129
CHOL	PADI6	cg16017904	-0.224809284224077	36	-1.34528774257475	0.18743678905629	0.0505392142733417	0.366764533738588
CHOL	PARP1	cg00653565	-0.161274357812777	36	-0.95285628106585	0.347388327111632	0.0260094184879237	0.546669562963808
CHOL	PARP1	cg02088626	-0.121817634551352	36	-0.715642515128696	0.479098364861996	0.0148395360876867	0.666481495584459
CHOL	PARP1	cg03149313	0.240345769419878	36	1.44376521928971	0.157956943251047	0.0577660888780332	0.326932965552917
CHOL	PARP1	cg04960271	0.204898638480505	36	1.22065244601745	0.230615819378798	0.0419834520511647	0.420941507572834
CHOL	PARP1	cg07113065	-0.0177049341455912	36	-0.10325280362695	0.918368963206877	0.000313464693099723	0.956976694729708
CHOL	PARP1	cg17661881	-0.210530425209482	36	-1.25573723673739	0.217772557903108	0.0443230599388854	0.405316004821149
CHOL	PARP1	cg25722198	0.0431117534640853	36	0.251616499445736	0.802852182036463	0.00185862328674807	0.892511791385196
CHOL	PARP1	cg26464410	-0.0504087956113015	36	-0.294305422034165	0.770313911205753	0.00254104667498197	0.872714304143832
CHOL	PARP2	cg01813761	-0.355827279396776	12	-1.20402607280596	0.256304778011604	0.126613052762912	0.450571422763612
CHOL	PARP2	cg10910545	-0.343723080710052	36	-2.13427167305028	0.04011476352643	0.118145556212809	0.122729067179122
CHOL	PARP2	cg15078479	-0.0981212746989559	36	-0.574914703752709	0.569134130901181	0.00962778454854796	0.737426567386395
CHOL	PARP2	cg15365367	0.125177005313845	36	0.735687703105011	0.466965994776265	0.0156692826593425	0.656099099979281
CHOL	PARP2	cg18899035	0.062745031059464	5	0.10889214396533	0.920162996203211	0.0039369389226531	0.958012449101232
CHOL	PARP2	cg19540080	0.000717289444176271	36	0.00418248131962429	0.99668731694566	5.14504146726704e-07	0.998316892964834
CHOL	PARP2	cg24595957	0.0706960889955359	36	0.413259510190009	0.682011404524503	0.00499793699926473	0.816654757294874
CHOL	PARP2	cg26206608	0.00826318896588613	36	0.0481839023916396	0.961851612178166	6.82802918859422e-05	0.980001978725799
CHOL	PARP2	cg26430074	0.0356329171006016	36	0.20790585694046	0.836542850261528	0.00126970478109835	0.912470246835634
CHOL	PAXIP1	cg02824291	0.0387737536468885	36	0.226258034884059	0.822355470305658	0.0015034039718696	0.904567103788803
CHOL	PAXIP1	cg12220104	0.128624271226942	36	0.756284088492753	0.454687458629171	0.0165442031486618	0.644976434497521
CHOL	PAXIP1	cg22583711	-0.151632349973355	36	-0.894504122381596	0.377341031526179	0.022992369558442	0.575890534332835
CHOL	PAXIP1	cg24448952	-0.129095053318204	36	-0.759099016471112	0.453024215396451	0.0166655327912301	0.643400651250128
CHOL	PAXIP1	cg24452135	0.505309330067862	36	3.41442076721279	0.0016696453834849	0.255337519053632	0.0102654226636232
CHOL	PCGF1	cg03203239	-0.148647056362645	36	-0.876491379181755	0.386913903353633	0.0220959473652793	0.584862386225722
CHOL	PCGF1	cg08092637	-0.0850710358042761	36	-0.49784987863132	0.621794787646155	0.00723708113281243	0.775961752224085
CHOL	PCGF1	cg27306986	0.0620175357850844	36	0.362318709601739	0.719356335713715	0.00384617474485422	0.840832496138723
CHOL	PCGF2	cg09395368	0.0944583224496698	36	0.553255641534638	0.583708346071382	0.00892237468000579	0.748644086625622
CHOL	PCGF2	cg17902383	-0.0581066086031225	36	-0.339390278913043	0.736403257701808	0.00337637796335647	0.851356145484536
CHOL	PCGF2	cg20228512	-0.234301395901353	36	-1.40531860777841	0.168998578183257	0.0548971441213226	0.342318267749527
CHOL	PCGF2	cg25377665	-0.0769841470496542	36	-0.450226989102817	0.655404559277375	0.00592655889696279	0.799084817300086
CHOL	PCGF5	cg03905463	0.262884537586578	36	1.58874763564721	0.12137457034658	0.069108280102109	0.272809607510382
CHOL	PCGF5	cg06001881	-0.135020433642085	36	-0.794573712486208	0.43237308654191	0.0182305175008968	0.626109815585199
CHOL	PCGF5	cg07421809	-0.0622488093951574	36	-0.363675101912361	0.71835233260408	0.00387491427111464	0.840088112965857
CHOL	PCGF5	cg07424295	-0.0246579184583007	36	-0.143822866087459	0.886489426586952	0.000608012942696208	0.939769349504882
CHOL	PCGF5	cg08633154	0.0244394780280786	36	0.142547998186078	0.88748857685707	0.000597288086284936	0.940239916840677
CHOL	PCGF5	cg11113644	-0.0472789701148871	36	-0.275990033346975	0.784226372315751	0.00223530101512439	0.880983486035112
CHOL	PCGF5	cg12783297	0.117560915752457	36	0.690278662364198	0.494704371113729	0.0138205689125562	0.679801776141554
CHOL	PCGF5	cg15550435	-0.00157759179689568	36	-0.0091988733244674	0.992714229064492	2.48879587763255e-06	0.996210197699244
CHOL	PCGF5	cg17001035	0.0976553265610949	36	0.5721582586789	0.57097880515204	0.00953656280575409	0.738957331026415
CHOL	PCGF5	cg20515900	-0.0920702685824152	36	-0.539147328726203	0.593298430200637	0.00847693435683807	0.755389569385581
CHOL	PCGF5	cg22968329	0.0498938067288659	36	0.291291181773577	0.772598380161009	0.00248939194989742	0.873915207360894
CHOL	PCGF5	cg23395902	-0.0567703275147147	36	-0.331559766999845	0.742256824672928	0.00322287008612797	0.855033808038126
CHOL	PCGF5	cg25390656	-0.0372594496660349	36	-0.217409021884226	0.829189053043007	0.00138826658941579	0.908212836738775
CHOL	PCGF6	cg01917164	-0.0828239562499453	35	-0.477427754573461	0.636204599886158	0.00685980772889285	0.785915079851851
CHOL	PCGF6	cg06691148	0.0112206141905749	36	0.0654309806571593	0.948214077626989	0.00012590218281373	0.972477897445242
CHOL	PCGF6	cg11612727	-0.158316466024737	36	-0.93492659692892	0.356419221629864	0.0250641034145617	0.555234028745117

CHOL	PCGF6	cg11814370	0.190357327861909	36	1.13063828867771	0.266120159979514	0.0362359122707264	0.461924934746001
CHOL	PCGF6	cg14409890	-0.217923664355477	36	-1.30199478413774	0.201670263978228	0.0474907234861185	0.385009117178881
CHOL	PCGF6	cg16113748	0.107824313227467	36	0.632405329310542	0.531352243233815	0.0116260825229748	0.709083393260681
CHOL	PCGF6	cg16382383	0.19800479110499	36	1.17787713991073	0.247024590781843	0.0392058973005306	0.440248597139375
CHOL	PCGF6	cg24418712	0.163511593221283	36	0.966435085332567	0.340650957602633	0.0267360411177623	0.539947937697495
CHOL	PCGF6	cg25481680	0.218147791003718	36	1.30340071042572	0.201195441622316	0.0475884587198017	0.384439853698909
CHOL	PCGF6	cg26155979	-0.0992261225773519	36	-0.581452266291558	0.564770972528526	0.00984582340173567	0.73441750864008
CHOL	PCGF6	cg27217148	-0.036780023130583	36	-0.214607752165471	0.831355156069869	0.00135277010148622	0.909651953567734
CHOL	PHC1	cg02770112	0.0450764138173213	36	0.263105836628918	0.794056924483552	0.0020318830826304	0.887222468700516
CHOL	PHC1	cg08021945	-0.338187679851356	36	-2.09542105461586	0.0436544206660741	0.114370906803243	0.130592270767028
CHOL	PHC1	cg08867249	-0.0951736448092445	36	-0.557483537376383	0.580849200192115	0.00905802266627624	0.746527824344453
CHOL	PHC1	cg09059548	-0.365606825828003	36	-2.29040173337735	0.0283242417909458	0.133668351092028	0.094613597229801
CHOL	PHC1	cg09912793	-0.500296004175294	36	-3.36915976256446	0.00188826178302676	0.250296091793766	0.011350288761303
CHOL	PHC1	cg12581035	-0.022907997613824	36	-0.133610494508151	0.894498306705092	0.000524776354674965	0.944028921939992
CHOL	PHC1	cg14199415	-0.0933102127827468	36	-0.546471571279044	0.588310384089261	0.00870679580956149	0.751844299111192
CHOL	PHC2	cg06899053	-0.0283194573441868	36	-0.165195649515884	0.869768304999939	0.000801991664269213	0.930878362281635
CHOL	PHC2	cg13640100	-0.239598065344514	36	-1.43899973529943	0.15929378652665	0.0574072329168341	0.328785966592661
CHOL	PHC2	cg15586632	0.0428726805792703	36	0.250218603074156	0.803924099946558	0.00183806674005214	0.893307690776211
CHOL	PHC2	cg16558908	-0.220065056806973	36	-1.31543642395676	0.197165436208322	0.0484286292274562	0.379397643820872
CHOL	PHC2	cg17161743	-0.198334964954672	36	-1.17992161109036	0.246221357755937	0.0393367583235711	0.439284109376786
CHOL	PHC2	cg19746874	0.193879292434848	36	1.15236653065883	0.257208743986148	0.0375891800350373	0.451656743028721
CHOL	PHC2	cg21198021	0.0428499944364394	36	0.250085955906526	0.804025834883804	0.00183612202320289	0.893395215090994
CHOL	PHC2	cg21578869	-0.0718174095411405	36	-0.41984799343392	0.677237830432434	0.0051577403131999	0.813526103968679
CHOL	PHC2	cg23886755	0.126982136095338	36	0.746469393775998	0.460514655767202	0.0161244628873349	0.650278814850689
CHOL	PHF1	cg01097444	-0.183203195681103	36	-1.08664033490278	0.284839813339271	0.0335634109077685	0.482122417678362
CHOL	PHF1	cg02776641	0.0125478746328263	36	0.0731718140135666	0.942098178684307	0.000157449157801126	0.969169750632324
CHOL	PHF1	cg03560363	-0.114813608521124	36	-0.673929287420014	0.504912551902075	0.0131821647016418	0.688100942007841
CHOL	PHF1	cg03876174	0.0343906111405918	36	0.200648689320103	0.842168740115542	0.00118271413462339	0.915566814810392
CHOL	PHF1	cg06618123	-0.164033352752179	36	-0.969604076703756	0.339091269919334	0.0269069408151209	0.53842660260945
CHOL	PHF1	cg06919790	0.045826585455813	36	0.267493641398917	0.790705131353733	0.00210007593453893	0.885079137664316
CHOL	PHF1	cg07857404	-0.244611031127466	11	-0.756824444712414	0.468503598726369	0.0598345565492422	0.657457611756371
CHOL	PHF1	cg08665801	-0.123977507874803	36	-0.728527453087927	0.471279193426151	0.0153704224588468	0.659595377015071
CHOL	PHF1	cg08798692	-0.129205381119859	36	-0.759758770374775	0.452634909372826	0.0166940305103279	0.643076195115597
CHOL	PHF1	cg10033570	-0.174965861405101	36	-1.0362014458156	0.307422062114544	0.030613052657229	0.505914556021167
CHOL	PHF1	cg10797813	-0.0735540775188682	36	-0.430055208275845	0.669869092959502	0.00541020231965168	0.808719711085479
CHOL	PHF1	cg13303256	-0.132135176463435	36	-0.777289359135913	0.442363038128875	0.017459704859023	0.634746002300356
CHOL	PHF1	cg13528777	-0.101801633908991	36	-0.596700457171026	0.554660131982702	0.0103635726665402	0.726320197742094
CHOL	PHF1	cg13547657	-0.107212986539198	36	-0.628777995370401	0.533696272426583	0.0114946244826543	0.710692208095122
CHOL	PHF1	cg18443095	-0.00536819490862448	36	-0.0313021373025225	0.975211618622118	2.88175165769818e-05	0.986921110159736
CHOL	PHF1	cg20135607	-0.1045864176823	36	-0.61320128738425	0.54382382377231	0.0109383187636165	0.718089290444591
CHOL	PHF1	cg20872639	-0.241405350989775	36	-1.45052312506155	0.156076410538867	0.0582765434864963	0.324378410447508
CHOL	PHF1	cg23345642	-0.0992713213875963	36	-0.581719760988907	0.564592805497833	0.00985479525003943	0.734275969331128
CHOL	PHF1	cg23718418	-0.173399145488863	30	-0.931655087478992	0.359478951017257	0.030067263656268	0.558439313622387
CHOL	PHF1	cg24796663	0.389106032624	24	1.98120167993289	0.0602038037844562	0.151403504624389	0.165074535161708
CHOL	PHF1	cg26673053	-0.0876966917809353	36	-0.513332948395856	0.611038202224253	0.00769070974932036	0.768090174759202
CHOL	PHF10	cg04353997	-0.338992556926873	36	-2.10105472769463	0.0431246229051982	0.114915953651819	0.129375531768423
CHOL	PHF10	cg05243705	-0.157335909244271	36	-0.928988536477065	0.359443911608225	0.0247545883377216	0.55840282090523
CHOL	PHF10	cg05736120	-0.247758442937772	36	-1.49115916417146	0.145140164969298	0.0613842460469494	0.308852617583609
CHOL	PHF10	cg07652237	-0.261478415350363	36	-1.57962425788592	0.123452605609537	0.068370961694137	0.276163791142982
CHOL	PHF10	cg11442717	-0.284083449191691	36	-1.72765716380332	0.0931245076285739	0.0807034061046481	0.226320773085201
CHOL	PHF10	cg15342139	-0.183686917497585	36	-1.08960950365021	0.283547944224467	0.0337408836597647	0.480804062361004
CHOL	PHF10	cg15360169	-0.495415748433787	36	-3.32553440770697	0.00212478116262555	0.245436763796209	0.0124713464437372
CHOL	PHF10	cg16740543	0.32728838004819	36	2.01963521300812	0.0513591136981858	0.107117683714568	0.147129446541785
CHOL	PHF10	cg27124293	-0.371852974804218	36	-2.33574958487698	0.0255398917685699	0.138274634870746	0.0875611625862292
CHOL	PHF11	cg00092518	-0.16687942887454	36	-0.986904984471384	0.330660768344352	0.0278487437814928	0.530336133361795
CHOL	PHF11	cg01214340	-0.0876574897368288	36	-0.513101701810338	0.61119822151433	0.00768383550696224	0.76816748247732
CHOL	PHF11	cg02289189	-0.239061760884078	36	-1.43558327810515	0.160257683278844	0.0571505255169961	0.330070324137417

CHOL	PHF11	cg05080330	-0.0847431320361967	36	-0.495917023678706	0.623143616382736	0.00718139842730427	0.776728478832505
CHOL	PHF11	cg09997676	-0.0733482294341316	36	-0.428845138589882	0.670740945737834	0.005379962761122	0.809224750433912
CHOL	PHF11	cg16956501	-0.130674226219754	36	-0.768545123911193	0.447469131160927	0.0170757533981314	0.639056192261231
CHOL	PHF11	cg21320768	-0.194240197898079	36	-1.1545956820538	0.256306876771449	0.0377292544794848	0.450571422763612
CHOL	PHF11	cg23137039	-0.0775495545484839	36	-0.453553599281544	0.653031881545045	0.00601393341066828	0.797381334352235
CHOL	PHF11	cg24481868	-0.141655111068491	36	-0.834398149199546	0.409881146868665	0.0200661704918264	0.605802932508945
CHOL	PHF11	cg24984523	-0.0388933296679317	36	-0.226956857097599	0.821816401928296	0.00151269109265841	0.904379352283284
CHOL	PHF11	cg25162948	-0.190983198468533	36	-1.13449616706314	0.264521915156467	0.0364745820972709	0.460115773805613
CHOL	PHF12	cg01406758	-0.122592156065878	36	-0.720261802808027	0.476286690983138	0.0150288367288807	0.664090168088723
CHOL	PHF12	cg02058367	-0.112031026834206	36	-0.657385964031573	0.515358774206558	0.0125509509735267	0.696703805380571
CHOL	PHF12	cg06895197	0.120696844468115	36	0.708960410336449	0.483182337595813	0.0145677282645602	0.670072711936197
CHOL	PHF12	cg08657247	-0.169990833233449	36	-1.00584783901764	0.321593964615315	0.0288968833834022	0.521079748464631
CHOL	PHF12	cg08806622	0.0195626738357826	36	0.114090843340711	0.909836854534419	0.000382698207605213	0.952116106417506
CHOL	PHF12	cg13564075	-0.312237072632138	36	-1.91645396892479	0.0637446358660781	0.0974919895258867	0.172042402253875
CHOL	PHF14	cg06715026	-0.0391050322145696	36	-0.228194106061441	0.820862209197119	0.00152920354450253	0.903776762419586
CHOL	PHF14	cg07287563	-0.047459358338566	36	-0.27704541858241	0.783422687982957	0.00225239069390842	0.880509600053011
CHOL	PHF14	cg07574654	-0.0442022928267208	36	-0.257993605806789	0.797967110823248	0.00195384269113917	0.889585472175973
CHOL	PHF14	cg11931558	-0.106672648728155	36	-0.625572477863749	0.535772252376402	0.0113790539866803	0.712089406367628
CHOL	PHF14	cg13029706	-0.251612443433949	36	-1.51590979347451	0.138785204401594	0.063308821690802	0.299410656199132
CHOL	PHF14	cg16800461	-0.222553930489918	36	-1.33108435196361	0.192018588049209	0.0495302519765113	0.3725717131733622
CHOL	PHF14	cg20819769	0.123264734474354	36	0.7242741799027	0.473852115938585	0.0151941947650329	0.661819748354952
CHOL	PHF14	cg20964328	-0.127021836729696	36	-0.746706602140556	0.460373307308745	0.0161345470061854	0.650163947876491
CHOL	PHF14	cg22876561	0.0458169881390557	36	0.267437503194721	0.790747989300648	0.00209919640213437	0.885101639971434
CHOL	PHF14	cg23083824	-0.176468025020349	36	-1.04538240631383	0.303221859759312	0.0311409638545827	0.501666092982197
CHOL	PHF14	cg24491907	0.110119837388717	36	0.646032438805084	0.522595203131147	0.0121263785865175	0.702312630338149
CHOL	PHF19	cg11054680	0.039591494297876	6	0.0792451207785039	0.94064378811803	0.00156748642073874	0.968318554824381
CHOL	PHF19	cg11594303	-0.266265882913201	36	-1.61073157462224	0.116484535158892	0.0708975204035462	0.265228529185472
CHOL	PHF19	cg13501527	-0.288747939250099	36	-1.75858186859282	0.087647544803045	0.0833753724211791	0.216779731905221
CHOL	PHF19	cg13851767	0.281370863095987	36	1.70973478732395	0.0964280239179263	0.0791695625993804	0.232068208787919
CHOL	PHF19	cg13852822	0.400561157791677	36	2.54908790867744	0.0154827683732018	0.160449241131409	0.0598396837441956
CHOL	PHF19	cg14218513	-0.0819334541853609	36	-0.479361738842248	0.634750362106654	0.00671309091474462	0.784827389137052
CHOL	PHF19	cg27207079	0.206607179389622	36	1.23128271161837	0.226666376692795	0.0426865265753353	0.416204091293112
CHOL	PHF20	cg01512265	-0.194342527862606	36	-1.15522781702424	0.256051546424711	0.0377690181360278	0.450303264956358
CHOL	PHF20	cg02674305	-0.261707708385922	36	-1.58111124681675	0.123111947673027	0.0684909246286109	0.275560736438385
CHOL	PHF20	cg02957488	-0.238447081363219	36	-1.43166925640084	0.161367613265842	0.0568570106106374	0.33161107347572
CHOL	PHF20	cg04179482	-0.117815430608197	36	-0.691794101381957	0.493764033406445	0.0138804756893949	0.679051022943076
CHOL	PHF20	cg09692677	-0.378129586470473	10	-1.15528910428368	0.281309517577283	0.142981984164331	0.478530610808714
CHOL	PHF20	cg10372813	-0.159859548814905	36	-0.944276958352239	0.351690465794566	0.025555075347305	0.550657302928902
CHOL	PHF20	cg21765224	-0.0917683636583291	36	-0.537364386870512	0.594515727276652	0.00842143256852734	0.756103387927405
CHOL	PHF20	cg23538717	-0.353124617534425	36	-2.20083884968019	0.0346378694987759	0.124696995508834	0.109975447709892
CHOL	PHF20	cg23734815	0.0146627220139232	36	0.0855068189918734	0.932360022411785	0.000214995416857589	0.964101933222479
CHOL	PHF20	cg25561939	-0.160816172855924	36	-0.950077215606886	0.348778056806571	0.0258618414520264	0.547905740013538
CHOL	PHF20	cg27405321	-0.587605499368721	12	-2.29645596289377	0.0445220028833169	0.345280222888364	0.132521708684503
CHOL	PHF20L1	cg02898212	0.1435992551718	36	0.846089286194295	0.40341861889206	0.0206207460858957	0.599853206414408
CHOL	PHF20L1	cg05307234	-0.395038320239533	36	-2.50738880669962	0.0171035352869778	0.156055274457672	0.0645599027839292
CHOL	PHF20L1	cg10591701	-0.555162946457142	31	-3.59443838309958	0.00118822483785482	0.308205897118975	0.00775216060349532
CHOL	PHF20L1	cg17646969	-0.167372579025735	36	-0.989905342436686	0.329213268387549	0.0280135802097258	0.528897775869752
CHOL	PHF20L1	cg24511731	-0.257365963722895	36	-1.55300300160351	0.129682378977599	0.0662372392830146	0.285592822454959
CHOL	PHF20L1	cg26292018	0.0892488514770325	36	0.52249083315876	0.604716741895266	0.00796535748996941	0.763541748669095
CHOL	PHF20L1	cg27342122	-0.221213983041073	36	-1.32265652024522	0.194777668260888	0.0489356262928962	0.376282845977985
CHOL	PHF21B	cg01775414	-0.178116502922281	36	-1.05546629303483	0.298654684619527	0.031725488613263	0.496867355597108
CHOL	PHF21B	cg01995480	-0.169240289011049	36	-1.00127556477582	0.323766767469605	0.0286422754245433	0.523196818745901
CHOL	PHF21B	cg05064352	-0.0889205291902756	36	-0.520553383856107	0.606051557956128	0.00790686051147865	0.76452790698004
CHOL	PHF21B	cg10080155	-0.0947494247313076	36	-0.554976089942094	0.582544053795628	0.00897745348691373	0.74768085727211
CHOL	PHF21B	cg11428482	-0.0575640058751931	36	-0.336210447302013	0.738778383371514	0.00331361477239926	0.852923223305634
CHOL	PHF21B	cg14786713	-0.16129145939345	36	-0.952960020869291	0.347336521198775	0.026014934873269	0.546626596045776
CHOL	PHF21B	cg15679813	-0.130640631839038	36	-0.768344111387322	0.447586920255224	0.0170669746873031	0.639137591995722

CHOL	PHF21B	cg20495645	-0.136020773971555	36	-0.800571109493268	0.428938861046621	0.0185016509518208	0.623041744580843
CHOL	PHF21B	cg20525183	-0.107237206444964	36	-0.628921691498415	0.533603310439506	0.0114998184461198	0.710661095876377
CHOL	PHF21B	cg21715212	0.0306877067487987	36	0.179022857747261	0.858982323021802	0.000941735345500268	0.925074351253641
CHOL	PHF21B	cg23080354	-0.115325382181996	36	-0.676973680686928	0.503002953269528	0.0132999437754235	0.686530900318103
CHOL	PHF21B	cg25561581	-0.0954955373974577	36	-0.559386359794971	0.579564640834485	0.00911939766282925	0.745566644106922
CHOL	PHF21B	cg25976257	-0.148653790981497	36	-0.876531986917875	0.386892149686371	0.0220979495731707	0.584845187663011
CHOL	PHF23	cg00039960	-0.133309838516229	36	-0.784323807918712	0.4382807383246	0.017771513045223	0.630984440425375
CHOL	PHF23	cg01441172	-0.0923711378287316	36	-0.540924303426177	0.5920863949574	0.00853242710377452	0.754488509382889
CHOL	PHF23	cg04379155	-0.196405993485372	36	-1.16798310453951	0.250938855886748	0.0385753142769759	0.444560424368138
CHOL	PHF23	cg11180288	-0.00231663247569601	36	-0.0135082087717015	0.989301291673493	5.36678602744942e-06	0.99432442325613
CHOL	PHF23	cg13351208	0.220563349757471	36	1.31856709391628	0.196127353194283	0.0486481912562366	0.378082798027407
CHOL	PHF23	cg22033559	-0.285128316140084	36	-1.73457272830585	0.0918754194489634	0.0812981566648798	0.224146403882857
CHOL	PHF23	cg26213471	-0.0971834040109821	36	-0.569366857516857	0.572849898131565	0.0094461401516176	0.740405804636179
CHOL	PHF23	cg26784276	-0.0958602233864859	36	-0.56154236334986	0.578110848323537	0.00918918242770698	0.744435060905454
CHOL	PHIP	cg01492710	0.0847349051724418	36	0.495868531862798	0.623177473058271	0.00718000415458269	0.776728478832505
CHOL	PHIP	cg04480383	-0.0821302446685806	36	-0.480520895319304	0.633934581764895	0.00674537708932091	0.784452386957224
CHOL	PHIP	cg05801338	-0.105079394530405	36	-0.61612385744803	0.541916060751182	0.0110416791548766	0.716701540751376
CHOL	PHIP	cg06848288	-0.138210887149843	36	-0.813710357103966	0.421473216522938	0.0191022493267465	0.616595595873804
CHOL	PHIP	cg08287994	-0.348109732047515	36	-2.16523856038643	0.0374779452835079	0.121180385546193	0.116725089093811
CHOL	PHIP	cg08587415	-0.10200240440864	36	-0.597889614487715	0.553875522227305	0.0104044905051437	0.725731472973194
CHOL	PHIP	cg15564972	-0.190240943182258	36	-1.12992104918741	0.266418062373218	0.0361916164628752	0.462122382756853
CHOL	PHIP	cg19494004	-0.087530721385607	36	-0.512353932029908	0.611715800115275	0.00766162718628477	0.768624020063116
CHOL	PHIP	cg19950079	-0.12900526066284	36	-0.758562082721705	0.453341193703563	0.0166423572786873	0.64375045310629
CHOL	PHIP	cg21607066	0.310166694602725	36	1.90238872618224	0.0656184504957265	0.09620337844078	0.175770323595639
CHOL	PHIP	cg21875336	-0.159175467501013	36	-0.940130872955528	0.353782120600613	0.0253368294541659	0.552797442906864
CHOL	PHIP	cg26363168	-0.0812296740633775	36	-0.475216718375715	0.637671293165141	0.00659825994844255	0.786859254070434
CHOL	PHRF1	cg06063517	0.184955450373561	36	1.0973998769813	0.280178119485603	0.0342085186228869	0.477389592554548
CHOL	PHRF1	cg07530960	0.0655781534702995	36	0.383207937800433	0.70395120461677	0.00430049421257416	0.830928595453479
CHOL	PHRF1	cg08482978	0.259515097082632	36	1.56690365342779	0.126398310477349	0.0673480856138081	0.280618266713921
CHOL	PHRF1	cg12469954	0.173814734408465	36	1.02917101530965	0.310665500949586	0.0302115618974853	0.509495351130433
CHOL	PHRF1	cg12813709	0.115314959444317	36	0.676911673398083	0.503041807593548	0.0132975398716446	0.686530900318103
CHOL	PHRF1	cg15219216	0.465570630856909	36	3.06744299024796	0.00421727045786678	0.2167560123165	0.0216596248761661
CHOL	PHRF1	cg16143007	0.0632883847337138	36	0.369772817577956	0.713845091687753	0.00400541964220258	0.837124716669098
CHOL	PHRF1	cg18793109	0.176041013130694	36	1.04277182086505	0.304412104310692	0.0309904383040811	0.503017897521226
CHOL	PHRF1	cg20152424	0.304496656368355	36	1.86402138441271	0.0709726454690846	0.0927182137395082	0.186220310351849
CHOL	PHRF1	cg21006161	0.305160221075744	36	1.86850011214056	0.0703289253631191	0.0931227605269971	0.185018038608721
CHOL	PPARGC	cg04893087	-0.184031883497337	35	-1.07555283091484	0.289928314456114	0.0338677341435773	0.487426432148314
CHOL	PPARGC	cg05158538	-0.475462432079314	20	-2.29297902962653	0.034109150078731	0.226064524318776	0.108647063064521
CHOL	PPARGC	cg11270806	-0.377291246222195	36	-2.375531581065	0.0233035330470533	0.142348684475897	0.0817383583508033
CHOL	PPARGC	cg12691631	-0.360923730150623	36	-2.2566367497589	0.0305717136628378	0.13026593898584	0.100093982888334
CHOL	PPARGC	cg20723350	-0.334602814136504	36	-2.07039185143921	0.0460782041684464	0.111959043228068	0.135904148281776
CHOL	PPARGC	cg27461259	-0.426516213988407	36	-2.74964151330735	0.00948628776365555	0.181916080795005	0.0408715258244251
CHOL	PPARGC	cg27514608	-0.447525163546495	36	-2.91801558004268	0.00620461116547596	0.200278772007317	0.029453536860791
CHOL	PRDM1	cg00555933	-0.306014407754326	36	-1.8742698617629	0.0695070281869896	0.0936448177532307	0.183445167281133
CHOL	PRDM1	cg01761420	-0.287083252826036	36	-1.74752979367933	0.0895729586539413	0.0824167940531779	0.220130745396453
CHOL	PRDM1	cg05170275	-0.196855044756536	36	-1.17076104092256	0.249835313389091	0.0387519086460979	0.443443573200185
CHOL	PRDM1	cg08742502	-0.4473383310453	36	-2.91649252409553	0.00622880382445584	0.200111582422394	0.0295447573147807
CHOL	PRDM1	cg14359052	-0.412190504418213	36	-2.63798607709837	0.0124883529648914	0.169901011932541	0.0507135214569483
CHOL	PRDM1	cg17143179	-0.508730006278667	36	-3.44556882633787	0.00153354468281994	0.258806219288293	0.009573148375485
CHOL	PRDM1	cg17521665	-0.157308123898844	36	-0.928820314990974	0.359529843868794	0.0247458458445741	0.558439313622387
CHOL	PRDM1	cg17965230	-0.270150226290195	36	-1.63606483574106	0.111051195641077	0.0729811447646438	0.256650625759839
CHOL	PRDM1	cg19464016	-0.252094933204741	36	-1.51901376278206	0.13800426614897	0.0635518553475027	0.298272937159545
CHOL	PRDM1	cg22186515	-0.299307950397393	36	-1.82910260668586	0.0761665475399872	0.0895852491710881	0.196033229647514
CHOL	PRDM1	cg22196848	-0.358798548870802	36	-2.24137927016098	0.0316387841626731	0.128736398671793	0.102691404170185
CHOL	PRDM1	cg24040346	-0.304000787937829	36	-1.86067647553079	0.0714566889126363	0.092416479066821	0.187158019997694
CHOL	PRDM1	cg24793124	-0.4420857675347	36	-2.87386740336404	0.00694293503574053	0.195439825856745	0.0322035945725255
CHOL	PRDM1	cg24874254	-0.418906464983197	36	-2.69002685588037	0.0109937265188382	0.175482626404718	0.0458927507385096

CHOL	PRDM1	cg26351406	-0.300448796524347	36	-1.83676478632565	0.0749999132977049	0.0902694793329282	0.193864409060395
CHOL	PRDM10	cg04181189	-0.102514576800126	36	-0.600923530115862	0.551876310249714	0.0105092384565089	0.724186385526723
CHOL	PRDM10	cg17627813	-0.108920311898364	36	-0.638910305843932	0.527162343362801	0.0118636343440368	0.705768106072689
CHOL	PRDM12	cg09191327	-0.208201561032913	36	-1.242121330718992	0.223022613628023	0.0433478900165417	0.411747898630146
CHOL	PRDM12	cg12539975	0.1274085136773	36	0.749017159365455	0.458997812076814	0.0162329293574587	0.648907073966618
CHOL	PRDM12	cg13795948	0.110874264758108	36	0.650513281775609	0.51973273478342	0.0122931025856511	0.700193943432239
CHOL	PRDM12	cg13928649	0.0841597570730394	36	0.49247867414173	0.625546308714181	0.00708286471059301	0.778395814647158
CHOL	PRDM12	cg23342516	0.13573377829397	36	0.798850213737394	0.429922580747776	0.0184236585699566	0.623969650691079
CHOL	PRDM13	cg00126261	0.150070822751221	36	0.885079048038897	0.382330824590829	0.0225212518412285	0.580730633546726
CHOL	PRDM13	cg00579292	-0.0434458772771993	36	-0.253570245997859	0.80135468325925	0.00188754425238547	0.891596968222158
CHOL	PRDM13	cg01422797	0.0201756449808668	36	0.117667166369819	0.907023770694878	0.000407056650393977	0.950841639389257
CHOL	PRDM13	cg01815538	0.0024690274527132	36	0.0143968241861052	0.988597543158287	6.09609656225145e-06	0.993976674970026
CHOL	PRDM13	cg02400433	-0.103770560005046	36	-0.608365549546596	0.54698809050358	0.0107683291237609	0.720503919223481
CHOL	PRDM13	cg03120185	-0.0273951872434278	36	-0.159799994872919	0.87398420745514	0.000750496284102467	0.933271940849464
CHOL	PRDM13	cg04910970	-0.141915712422652	36	-0.835964703875161	0.4090114870403	0.0201400694324288	0.604986112918073
CHOL	PRDM13	cg11809464	0.264094966020248	36	1.59660999547774	0.119606762037936	0.0697461510772362	0.270131759209731
CHOL	PRDM13	cg13738144	-0.129743329629101	36	-0.762976083035046	0.450739275894641	0.0168333315832454	0.641495970233763
CHOL	PRDM13	cg14344102	-0.200247466439852	36	-1.19177227333793	0.241603113683521	0.0400990478155795	0.433878224429693
CHOL	PRDM13	cg17879189	-0.184972630312048	36	-1.09750542209952	0.28013266054531	0.0342148739645577	0.477337424497544
CHOL	PRDM13	cg17978124	0.0822705263075419	36	0.481347231860557	0.633353313859405	0.00676843949891994	0.784034621173059
CHOL	PRDM13	cg25273233	0.174273581351327	33	0.985393442778653	0.332059774385015	0.0303712811570177	0.5317577160606
CHOL	PRDM13	cg25924096	0.0192008574401604	35	0.110320866465284	0.912823116745862	0.000368672926437363	0.953861962794036
CHOL	PRDM13	cg26507427	-0.17566571552272	36	-1.04047789816145	0.305460644135135	0.0308584436101092	0.503998077368528
CHOL	PRDM14	cg00384539		36				
CHOL	PRDM14	cg01295203		36				
CHOL	PRDM14	cg04838988		36				
CHOL	PRDM14	cg09050331		36				
CHOL	PRDM14	cg10457247		36				
CHOL	PRDM14	cg11229513		36				
CHOL	PRDM14	cg13267264		36				
CHOL	PRDM14	cg18035229		36				
CHOL	PRDM14	cg21255438		36				
CHOL	PRDM14	cg27029821		36				
CHOL	PRDM4	cg00090609	-0.0472275542948898	36	-0.275689223231272	0.78445548571027	0.00223044188467676	0.881021976229305
CHOL	PRDM4	cg03909902	-0.169885619925985	36	-1.0052067768989	0.321898004692768	0.0288611238576363	0.521314451907308
CHOL	PRDM4	cg12900929	-0.227516659665268	36	-1.36236790200527	0.182039183476489	0.0517638304252413	0.359619967273657
CHOL	PRDM4	cg18440127	-0.127755275785713	36	-0.751089503875453	0.457766175839101	0.0163214104910837	0.647905712350528
CHOL	PRDM4	cg25995916	-0.0709129284232351	36	-0.41453345843861	0.681087341852987	0.00502864341755887	0.816029421438217
CHOL	PRDM4	cg27140793	0.151009199478046	36	0.890742089748787	0.379327666672964	0.0228037783270003	0.577845549094473
CHOL	PRDM5	cg05713693	-0.312178070426613	36	-1.91605271637058	0.0637974455743321	0.0974551476552832	0.17216104068994
CHOL	PRDM5	cg06329345	-0.409683897857899	36	-2.61869650754586	0.0130885634931573	0.167840896164042	0.0526017310733418
CHOL	PRDM5	cg07070341	-0.38510325584548	36	-2.43318133927964	0.0203770504476202	0.148304517662789	0.0738544662002499
CHOL	PRDM5	cg10416963	-0.516070150270556	36	-3.5131552688462	0.00127395601975154	0.266328400000274	0.00820822714929199
CHOL	PRDM5	cg11171429	-0.390716952544076	36	-2.47498625753662	0.01846872254485	0.15265973700533	0.0684560606848704
CHOL	PRDM5	cg13155001	-0.327338215306481	36	-2.01997963965228	0.0513215642149791	0.107150307200032	0.147061955887344
CHOL	PRDM5	cg18181323	-0.394698202012983	36	-2.50483143007067	0.0172078263025494	0.155786670672281	0.064870404397456
CHOL	PRDM5	cg19294653	-0.356172145882731	36	-2.22257855862287	0.0329994595866477	0.126858597502709	0.105967141050263
CHOL	PRDM5	cg22135105	-0.446373387551615	36	-2.9086339073926	0.00635504767418104	0.199249201114304	0.0300127407731145
CHOL	PRDM8	cg01304890	-0.283867538851205	36	-1.72622897385225	0.0933842328152775	0.0805807796134405	0.226774871472817
CHOL	PRDM8	cg02895669	-0.0580285498719157	36	-0.338932810388983	0.73674479533341	0.00336731260023741	0.851561170911036
CHOL	PRDM8	cg04343891	-0.272989606737203	36	-1.65463738544929	0.10720202545674	0.0745233253865326	0.250350455342869
CHOL	PRDM8	cg05007549	-0.0762723575449628	36	-0.446039752176138	0.65839624278696	0.00581747252546664	0.801226448024112
CHOL	PRDM8	cg07462804	-0.173521876250589	36	-1.02738309931721	0.311494092616678	0.0301098415375247	0.510370080897681
CHOL	PRDM8	cg08074201	-0.204218702045521	36	-1.21642523781435	0.23220046737128	0.0417052782651573	0.422814938354933
CHOL	PRDM8	cg10695325	-0.251910503390511	36	-1.51782714007995	0.138302393932332	0.0634589017184606	0.298681262383318
CHOL	PRDM8	cg11571772	-0.181594661953104	36	-1.07677273387768	0.289163005405403	0.0329766212498623	0.486720149884811
CHOL	PRDM8	cg12572049	-0.128472237834644	36	-0.755375152650038	0.455225283965457	0.0165051158942412	0.645523008125881

CHOL	PRDM8	cg14489346	-0.173631544967911	36	-1.02805260023761	0.311183641032104	0.0301479134079438	0.510108522882852
CHOL	PRDM8	cg15656813	-0.33828563396145	36	-2.0961063987185	0.0435896647610973	0.1144371701447	0.130457472713333
CHOL	PRDM8	cg16117799	-0.218858432059496	36	-1.30785993089823	0.199695068004309	0.047899013283541	0.382552589828048
CHOL	PRDM8	cg18624348	-0.271626646897222	36	-1.64571639793643	0.109036909159476	0.0737810353046282	0.253335044982597
CHOL	PRDM8	cg19595012	-0.241277243683509	36	-1.44970577728188	0.15630290777801	0.0582147083195114	0.324675667076514
CHOL	PRDM8	cg20142271	-0.266589273904283	36	-1.61283744847111	0.1160247146657	0.0710698409608127	0.264524567809694
CHOL	PRDM8	cg26162932	-0.124498413234183	36	-0.731636532089557	0.469403528881406	0.0154998548978295	0.658223949296328
CHOL	PRKAA1	cg00301775	-0.386313794093666	36	-2.44216903961559	0.0199522241252677	0.149238347507043	0.0726736269126826
CHOL	PRKAA1	cg01883943	-0.074582716438933	24	-0.350800988767984	0.729074557827784	0.00556258159141029	0.84676402051338
CHOL	PRKAA1	cg03125217	0.303660917308607	36	1.85838482143483	0.071789944040577	0.0922099527007047	0.187750517941661
CHOL	PRKAA1	cg05874655	0.445762878025674	36	2.90366839236223	0.00643605093804215	0.198704543425732	0.0303060436216967
CHOL	PRKAA1	cg06971720	-0.0458424114637186	36	-0.267586213650296	0.790634459774045	0.00210152668880888	0.88502549985844
CHOL	PRKAA1	cg10786880	0.19061383006551	36	1.13221919985583	0.265464381131913	0.036333632212243	0.461187969042989
CHOL	PRKAA1	cg24728477	0.271458126393688	36	1.64461412405663	0.109265417189866	0.0736895143851716	0.253691692976435
CHOL	PRKCD	cg02121118	-0.245782518427795	36	-1.47849899988532	0.148479659596566	0.0604090463647093	0.313553268220947
CHOL	PRKCD	cg02559423	-0.237211292176243	36	-1.42380578312994	0.163615840980252	0.0562691971359228	0.334762262196038
CHOL	PRKCD	cg02630105	0.167194935785788	36	0.98882446132282	0.329734236298901	0.0279541465524137	0.529343326897478
CHOL	PRKCD	cg10531918	0.130524147519306	36	0.767647146413067	0.447995469572308	0.0170365530856414	0.639474487337764
CHOL	PRKCD	cg13469346	-0.0847336337846159	36	-0.495861037897751	0.623182705370938	0.0071797886943454	0.776728478832505
CHOL	PRKCD	cg13889007	0.284231048549213	36	1.728633659129	0.0929472746428067	0.0807872889593849	0.226033094799798
CHOL	PRKCD	cg13908523	-0.268585844663392	36	-1.62585184295665	0.113215961964917	0.0721383559535475	0.260292654345797
CHOL	PRKCD	cg14727059	0.0175346215533705	36	0.102259256447052	0.919151627953558	0.000307462953019925	0.957406991723557
CHOL	PRKCD	cg21903826	-0.391110616885551	36	-2.47792998149257	0.0183407028183682	0.152967514640596	0.0681059442690823
CHOL	PRMT1	cg07702240	-0.319966843146938	36	-1.96923651308255	0.0571188540382033	0.102378780713417	0.158839314165922
CHOL	PRMT1	cg08377944	-0.40429381326546	36	-2.57745746844328	0.0144620940713346	0.163453487444727	0.0567506309817635
CHOL	PRMT1	cg11787855	-0.194565881175341	36	-1.15660769988552	0.255494828939985	0.0378558821175369	0.449763865010799
CHOL	PRMT1	cg14258555	-0.249274336760275	36	-1.50088524281586	0.14261565564345	0.0621376949672748	0.305166748683203
CHOL	PRMT1	cg14576628	-0.249949902774433	36	-1.50522350432378	0.141501024055625	0.0624749538969484	0.3035916783525
CHOL	PRMT1	cg18880319	-0.179765858021435	36	-1.06556473075044	0.294129218400552	0.0323157637101826	0.491895187055325
CHOL	PRMT1	cg22292364	-0.286824139755912	36	-1.74581106310502	0.0898755569665249	0.0822680871467188	0.220595648482532
CHOL	PRMT1	cg24228123	0.200842891113879	36	1.19546466413128	0.240177268201054	0.0403378669109814	0.432127684590992
CHOL	PRMT1	cg25595446	-0.2109971412861	36	-1.25865058627163	0.216730714859398	0.0445197936309065	0.40402931468958
CHOL	PRMT1	cg26846726	-0.16525461996723	36	-0.977024916637506	0.33545769715012	0.0273090894205137	0.535018473708847
CHOL	PRMT2	cg04493422	0.176489699498929	36	1.04551493191951	0.30316152364063	0.0311486140292224	0.501576936837498
CHOL	PRMT2	cg06725035	-0.277621041745182	15	-1.04193465785027	0.316432151606623	0.0770734428196801	0.515669665083387
CHOL	PRMT2	cg09031657	-0.258842507614218	36	-1.56255065660477	0.127419367272616	0.0669994437480164	0.282229436182617
CHOL	PRMT2	cg10187059	-0.324398401562451	36	-1.99969382701898	0.0535744696275247	0.105234322936273	0.151737440936529
CHOL	PRMT2	cg10657630	-0.0723823482753997	36	-0.423167978356709	0.674837497477157	0.00523920434186125	0.812026237471005
CHOL	PRMT2	cg12162201	-0.404290233062438	36	-2.577430184267	0.0144630452186902	0.16345059254968	0.0567506309817635
CHOL	PRMT2	cg13271076	-0.142021843662301	36	-0.836602742123394	0.408657614375935	0.020170204077239	0.604615809069668
CHOL	PRMT2	cg17243659	-0.245454725637241	36	-1.47640066506785	0.149039034428014	0.0602480223376532	0.314397273287404
CHOL	PRMT2	cg23283320	-0.391588023867147	36	-2.48150206674153	0.0181864458620867	0.153341180436177	0.0676547613521028
CHOL	PRMT3	cg01769160	-0.30453359490769	36	-1.86427062224437	0.0709366908004438	0.0927407104274013	0.18615013010314
CHOL	PRMT3	cg04101203	-0.518064074152276	35	-3.47937103940319	0.00143382085381364	0.268390384927254	0.00905746321571892
CHOL	PRMT3	cg06578097	-0.086034359433181	33	-0.480801771423356	0.634033459947939	0.00740191100307777	0.784527031273401
CHOL	PRMT3	cg13432154	-0.170593936383072	36	-1.00952321603784	0.319854604548576	0.0291022911306715	0.519256450464356
CHOL	PRMT3	cg13982511	-0.0675656909617512	36	-0.394874650354417	0.695401795707054	0.00456512259513887	0.825408355437353
CHOL	PRMT3	cg19653624	-0.120072252872481	35	-0.694789271032808	0.492050674411757	0.0144173459098731	0.677583726444483
CHOL	PRMT3	cg23019633	-0.385220172371833	36	-2.43404874701451	0.0203356938600037	0.148394581202185	0.0737526791676049
CHOL	PRMT3	cg23071995	-0.00879039403096471	36	-0.0512583451620409	0.959419627586804	7.727102721962e-05	0.978782906150257
CHOL	PRMT6	cg00944433	-0.386871095523097	36	-2.44631173239448	0.0197591407407244	0.149669244551241	0.072152808098504
CHOL	PRMT6	cg02990361	-0.567566254944804	36	-4.01960412688754	0.000306115670654759	0.322131453752071	0.00248657851967384
CHOL	PRMT6	cg02993280	-0.477340412558722	36	-3.1675094041276	0.00324161948842122	0.227853869461731	0.0175355362271219
CHOL	PRMT6	cg09367891	-0.503531075025293	36	-3.39831393982381	0.00174450151621225	0.253543543516127	0.0106365507447461
CHOL	PRMT6	cg14671364	-0.560061852555405	36	-3.94192839978972	0.000382346651331366	0.313669278687792	0.00299198281206759
CHOL	PRMT6	cg14828511	-0.492357374344937	36	-3.29840854341376	0.002285878085152	0.24241578407184	0.0132469904466861
CHOL	PRMT6	cg22528358	-0.0276314011416187	36	-0.161178912185519	0.87290642771344	0.000763494329049044	0.932697166996845

CHOL	PRMT7	cg00894222	-0.108940346008655	36	-0.639029234259665	0.52708590498278	0.0118679989884855	0.705702204533774
CHOL	PRMT7	cg02477175	-0.293560520416638	36	-1.79063162432972	0.0822602745804915	0.0861777791472876	0.207112298553782
CHOL	PRMT7	cg06089844	-0.0703394740362279	36	-0.411164497944867	0.683532111972736	0.00494764160769318	0.817754747037522
CHOL	PRMT7	cg06092312	-0.0966239928001434	36	-0.566058466786921	0.575071461497442	0.00933619598464217	0.74207817351053
CHOL	PRMT7	cg06745885	-0.112964511655878	36	-0.662934058752616	0.511842431309171	0.012760980893651	0.693812076065178
CHOL	PRMT7	cg09175928	-0.151040523652477	36	-0.890931171483123	0.379227657209017	0.0228132397852144	0.577728828249016
CHOL	PRMT7	cg09779635	-0.125785270449917	36	-0.739319916053154	0.464786790804037	0.0158219342621587	0.654010483735652
CHOL	PRMT7	cg10233539	-0.0331347080589757	36	-0.193313037935474	0.84786403751537	0.00109790887815355	0.918837291000497
CHOL	PRMT7	cg10446007	-0.131651834403038	36	-0.774395841047784	0.44404880818922	0.017332205501685	0.63604671216277
CHOL	PRMT7	cg11893236	-0.175743431814522	36	-1.04095288314791	0.305243325848104	0.0308857538259457	0.503793138794072
CHOL	PRMT7	cg19328639	-0.141298118201199	36	-0.832252442864949	0.411074180030757	0.0199651582071999	0.606917215009959
CHOL	PRMT7	cg21918026	-0.0404601031327699	36	-0.236114256059146	0.814760640018298	0.00163701994551437	0.90035923221659
CHOL	PRMT7	cg26492318	-0.0601318641678966	36	-0.351261635540653	0.727559527861083	0.00361584108830637	0.845934658138924
CHOL	PRMT7	cg26561196	0.00830231423474221	36	0.0484120634309843	0.961671116317523	6.89284216524031e-05	0.979897609896988
CHOL	PRMT7	cg26796563	0.123877174705847	36	0.727928674248588	0.471640923794831	0.015345554413103	0.659771065179149
CHOL	PRMT8	cg01693063	0.238038423125773	36	1.42906810192788	0.162108591093139	0.0566622908842044	0.332691357456835
CHOL	PRMT8	cg06029846	-0.0378898917620187	36	-0.221092898502522	0.826342533891472	0.0014356438977375	0.906631085715365
CHOL	PRMT8	cg07912789	-0.087255476150808	36	-0.51073042643265	0.612840227850497	0.00761351811830422	0.769427918488776
CHOL	PRMT8	cg10350722	-0.334235479821905	36	-2.06783290412305	0.0463325576809139	0.111713355971779	0.136431923699952
CHOL	PRMT8	cg11596580	-0.0823030439887967	36	-0.481538783122078	0.633218605152833	0.0067737910498218	0.783955187619509
CHOL	PRMT8	cg19656577	-0.0553015096174072	36	-0.322954659610379	0.748707423127253	0.00305825696596418	0.859201692782831
CHOL	PRMT8	cg21667836	-0.22933513930428	36	-1.37385891285001	0.178476132092038	0.0525946061197136	0.355080871054371
CHOL	PRMT8	cg23739862	-0.0498826749968685	36	-0.291226030103405	0.772647780919279	0.00248828126484321	0.873945671791942
CHOL	PRMT8	cg24100636	-0.103406196590183	36	-0.606206302497369	0.548404063259339	0.0106928414932476	0.721589663873569
CHOL	PRMT8	cg27316886	-0.152680044170701	36	-0.900831638351372	0.374014770302939	0.0233111958879673	0.572645247804504
CHOL	PWWP2E	cg00259755	0.161234653889546	36	0.952615436715772	0.347508620527169	0.0259966136148818	0.546794879255893
CHOL	PWWP2E	cg05010219	-0.182215347410938	36	-1.08057928435247	0.287489839004265	0.0332024328320888	0.484982858841978
CHOL	PWWP2E	cg15012692	0.106103253819254	36	0.622195187866205	0.537964064615772	0.011257900471033	0.713756121750509
CHOL	PWWP2E	cg15278699	-0.13414175470625	36	-0.789307761179045	0.435402143129137	0.0179940103556717	0.628668331153967
CHOL	PWWP2E	cg19919881	0.0421378130638327	36	0.245921986892091	0.807221182548318	0.00177559528980251	0.895602297775715
CHOL	PWWP2E	cg22633292	-0.0672075239167875	36	-0.392771888965821	0.696939761058891	0.00451685127102556	0.826191873999401
CHOL	PWWP2E	cg22664157	-0.179297784678432	36	-1.06269793814245	0.295409021049201	0.0321476955905933	0.49335827450933
CHOL	PWWP2E	cg24520806	-0.109264639065456	36	-0.640954443676515	0.525849345386629	0.0119387613501043	0.704652977831113
CHOL	PYGO1	cg06364757	-0.314519961448996	36	-1.93199800373351	0.0617276831516896	0.098922806149878	0.168079922404709
CHOL	PYGO1	cg09275667	-0.267761418510734	36	-1.62047520101878	0.114369487780318	0.0716961772428806	0.261950840974656
CHOL	PYGO1	cg11480800	-0.297234619380641	36	-1.81519967353538	0.0783228801671195	0.0883484189583545	0.199831102283326
CHOL	PYGO1	cg12686317	-0.257480210571997	36	-1.55374132967665	0.129506223220589	0.0662960588361999	0.285356798539129
CHOL	PYGO1	cg13878116	0.119602167546399	36	0.702436647253957	0.487188515101133	0.0143046784817968	0.673508491528398
CHOL	PYGO1	cg17841803	-0.308082055794266	36	-1.88825686032923	0.067548711188728	0.0949145531024212	0.179639473267106
CHOL	PYGO1	cg19850348	-0.277883846159947	36	-1.68676095525026	0.100805302115394	0.0772194319566453	0.239603014288599
CHOL	PYGO1	cg22510134	0.151078031716042	36	0.891157584565761	0.379107924673431	0.0228245716671934	0.577657857056995
CHOL	PYGO1	cg23030278	-0.28103362821506	36	-1.70750975998192	0.0968449025974287	0.0789799001877207	0.232701765278736
CHOL	PYGO1	cg23412777	-0.00553637827612793	36	-0.0322828501621992	0.974435258722139	3.06514844163813e-05	0.986642198466054
CHOL	PYGO1	cg25902187	-0.302323624386114	36	-1.84937539766059	0.0731130250602112	0.0913995738619559	0.190353235325772
CHOL	PYGO2	cg01277844	0.263460822504532	36	1.59248989663597	0.120530498808823	0.0694116049947644	0.271507465281981
CHOL	PYGO2	cg02341811	-0.143649133776544	36	-0.846389362821304	0.40325358827868	0.0206350736347515	0.599742092770597
CHOL	PYGO2	cg04602755	-0.332994630750983	36	-2.05919665678557	0.0472001166933945	0.110885424108983	0.13834768388704
CHOL	PYGO2	cg10892866	-0.050143728161594	36	-0.29275394769274	0.771489502842906	0.00251439347394383	0.873319102144566
CHOL	PYGO2	cg14024356	0.156508786953671	36	0.923981836758295	0.362007243653549	0.0244950003937096	0.560906459384643
CHOL	PYGO2	cg18188585	-0.183304445957998	36	-1.087261759069	0.284569091501288	0.0336005199079686	0.481860992098597
CHOL	PYGO2	cg24683561	-0.20066970671101	36	-1.19439055825283	0.240591402262726	0.0402683311914829	0.432642970519093
CHOL	PYGO2	cg27105205	-0.356094278514583	36	-2.22202208140179	0.0330405193234619	0.126803135190822	0.106072720380051
CHOL	RBBP4	cg05797186	-0.149969291809307	36	-0.88446646250668	0.382656594173479	0.0224907884857852	0.580941945016978
CHOL	RBBP4	cg06526778	-0.0479581520718813	36	-0.279963819234993	0.781201561315844	0.00229998435014969	0.879121559128655
CHOL	RBBP4	cg09036220	-0.288662194856568	36	-1.75801217633745	0.0877459333158107	0.0833258627394115	0.216922862575805
CHOL	RBBP4	cg11229946	-0.174227756103423	36	-1.03169301532489	0.309499290784944	0.030355310996834	0.508144100388051
CHOL	RBBP4	cg13641837	-0.150952547963548	15	-0.550576199056229	0.591260208490158	0.0227866717366873	0.754003846684316

CHOL	RBBP4	cg16148416	-0.0850463133291155	36	-0.497704144355608	0.621896441082208	0.00723287541087409	0.775989024757792
CHOL	RBBP4	cg16396527	-0.284327524342285	36	-1.72927200083535	0.0928315691346248	0.0808421410986128	0.225827545866319
CHOL	RBBP4	cg18758482	-0.16226831266618	36	-0.958887171411239	0.344385130097812	0.0263310052955291	0.543647326883857
CHOL	RBBP4	cg20740619	0.327841315895018	36	2.02345777911913	0.0509437195769692	0.107479928407777	0.146272817626439
CHOL	RBBP4	cg22358606	0.235500105453269	36	1.41292938107064	0.166766041754063	0.0554602996685008	0.339297977095292
CHOL	RBBP4	cg22857567	-0.00396923173372318	36	-0.0231445816186851	0.981670247444302	1.57548005559951e-05	0.990519400117797
CHOL	RBBP4	cg23016766	-0.122535014781683	36	-0.719920963598984	0.476493830186686	0.0150148298475474	0.664248024828296
CHOL	RBBP4	cg26131911	-0.00343865411726765	36	-0.020050745284586	0.984120100683	1.18243421382017e-05	0.991672987016132
CHOL	RBBP5	cg00960017	-0.254642910944043	36	-1.53542563459244	0.133933780022549	0.0648430120940559	0.29210699879978
CHOL	RBBP5	cg02189925	0.273525557852406	36	1.65814829378145	0.106486935695596	0.0748162307984701	0.249054316502411
CHOL	RBBP5	cg03143531	-0.371826952163851	36	-2.3355599011002	0.0255510044292787	0.138255282355458	0.0875915409408764
CHOL	RBBP5	cg05290904	-0.0426362394484487	36	-0.248836137332787	0.804984564501318	0.00181784891430545	0.894064634736027
CHOL	RBBP5	cg07601985	0.488227107884642	36	3.26203114387903	0.00252033233644056	0.238365708873401	0.0143344592616652
CHOL	RBBP5	cg07972983	-0.146576341265137	36	-0.8640114706606	0.393636318098104	0.021484623818674	0.590417579933832
CHOL	RBBP5	cg14717946	-0.16543977833531	36	-0.978150405022448	0.334908903537569	0.0273703202556365	0.534493860740623
CHOL	RBBP5	cg18131828	-0.304062794307747	36	-1.86109465180991	0.0713960202741464	0.092454182882235	0.187040983371172
CHOL	RBBP5	cg21214746	0.272201709064771	35	1.62504096933966	0.113668050490936	0.0740937704177823	0.260886743831849
CHOL	RBBP5	cg23227967	-0.216278237071771	36	-1.29167977079217	0.205180077203952	0.0467762758308731	0.38944466222623
CHOL	RBBP5	cg24103461	0.0435861287395981	36	0.254390373970942	0.800726302070647	0.00189975061850482	0.891192782855972
CHOL	RBBP5	cg26795850	-0.202103655187468	36	-1.20328756876228	0.237176877181334	0.040845887440135	0.428587104683757
CHOL	RBBP7	cg01947226	-0.0397613040510967	28	-0.202904120466917	0.840789499444227	0.00158096129984376	0.914688681822802
CHOL	RBBP7	cg03048084	0.0350553388679557	36	0.204531705361251	0.839157487614108	0.001288767831472	0.91388470482823
CHOL	RBBP7	cg03171708	-0.0511478040556314	36	-0.298631265094667	0.767039028109446	0.00261609785971327	0.870881496053606
CHOL	RBBP7	cg03811055	-0.0689035905488493	36	-0.402730682498426	0.68966749129774	0.00474770479052347	0.82163245163962
CHOL	RBBP7	cg07096248	-0.0931608503235866	36	-0.545589165046997	0.588910257761108	0.00867894403301371	0.752339019496964
CHOL	RBBP7	cg08363715	-0.0230142300489196	36	-0.134230420912775	0.894011810616504	0.000529654784744592	0.943822998839414
CHOL	RBBP7	cg14719055	-0.231226256217229	36	-1.38582502910861	0.174823617932057	0.0534655815642355	0.350277604074651
CHOL	RBBP7	cg15289846	-0.0775698126138932	36	-0.453672797019106	0.652946932525689	0.0060170758289545	0.79732766680119
CHOL	RBBP7	cg15464143	-0.0921573315739372	36	-0.539661519263502	0.592947590141274	0.0084929737628286	0.755140620896296
CHOL	RBBP7	cg16978043	-0.0228955566858548	36	-0.133537894946356	0.894555282962456	0.000524206515955192	0.944029649643655
CHOL	RBBP7	cg17878446	-0.0317994687569398	36	-0.185514993284293	0.853927436713976	0.00101120621322359	0.922107767766478
CHOL	RBBP7	cg17880859	0.0596657765313192	36	0.348529208692674	0.729591782911396	0.00356000488908532	0.847094356369255
CHOL	RBBP7	cg21122900	-0.0918483802110516	36	-0.537836921264463	0.59419299002152	0.0084361249473939	0.755881438271479
CHOL	RING1	cg01241018	-0.0777645277240013	36	-0.454818522666493	0.652130644554301	0.00604732177213697	0.796731077541536
CHOL	RING1	cg01878788	-0.148340846182902	36	-0.874645155088045	0.387903753469521	0.0220050066462594	0.585771111837253
CHOL	RING1	cg02475416	0.033708596225246	36	0.196664966987558	0.845260597195504	0.00113626945947667	0.91729375599117
CHOL	RING1	cg03037740	-0.303531313553558	36	-1.85751114488154	0.071917344832185	0.0921312583075482	0.18803945564733
CHOL	RING1	cg06316695	-0.130009195046653	36	-0.764566399154271	0.449804001834629	0.0169023907966786	0.640924736781158
CHOL	RING1	cg06671577	-0.0671574740282773	36	-0.392478063452842	0.697154769658918	0.00451012631785874	0.826379468692893
CHOL	RING1	cg07946923	-0.123895956321769	36	-0.728040759426101	0.471573199465957	0.0153502079928858	0.65974910897992
CHOL	RING1	cg08892712	-0.112439858170082	36	-0.659815603562877	0.513817275098889	0.0126427217053082	0.69536908475624
CHOL	RING1	cg09478665	-0.199301244123807	36	-1.18590731885098	0.243880688204476	0.0397209859092973	0.43657993552659
CHOL	RING1	cg09724776	0.110049766595456	36	0.645616318103478	0.522861459594768	0.0121109511277144	0.702513003174174
CHOL	RING1	cg09832551	-0.138895140137296	36	-0.817817912880136	0.419155756573357	0.019291859953759	0.614534270497498
CHOL	RING1	cg09869033	-0.142213661439567	36	-0.837755984176431	0.408018479537812	0.0202247255000477	0.604114605404525
CHOL	RING1	cg10265934	-0.0909546124753408	36	-0.532559407996433	0.597802231639936	0.00827274153053943	0.758529225382436
CHOL	RING1	cg12065531	-0.277008631973672	36	-1.68100609642916	0.101927337299507	0.0767337821879253	0.24153722119528
CHOL	RING1	cg12115664	-0.262386779870014	36	-1.58551678258297	0.122107171731722	0.0688468222505551	0.273913880193679
CHOL	RING1	cg12256228	0.147947869245506	36	0.872276167521114	0.389176241411241	0.0218885720142853	0.586815585919525
CHOL	RING1	cg14046664	-0.341509132161432	36	-2.11870301728709	0.0415015141528965	0.116628487349654	0.125732876081098
CHOL	RING1	cg14363494	-0.19900275019206	36	-1.18405788640213	0.244602146894614	0.0396020945840033	0.437478835192192
CHOL	RING1	cg18189601	-0.227273535562352	23	-1.06948559061809	0.296990429766018	0.0516532599670119	0.495041321017711
CHOL	RING1	cg20505183	0.131295648353263	36	0.772263899844888	0.445293329774163	0.0172385472765036	0.637242679429209
CHOL	RING1	cg24536938	-0.0577974652307402	36	-0.337578559603317	0.737756172450936	0.00334054698709863	0.852392999405237
CHOL	RING1	cg24550302	-0.171256450558842	36	-1.01356199754639	0.317950688980475	0.0293287718580131	0.517255816695186
CHOL	RNF17	cg00202166	-0.181911762610821	36	-1.07871728765035	0.288307423894847	0.0330918893761756	0.485845848160379
CHOL	RNF17	cg01405147	-0.0853128367731737	36	-0.499275298097507	0.620800918240392	0.00727828011828619	0.775256226560608

CHOL	RNF17	cg07131398	-0.358834855703393	16	-1.43843535240647	0.172289335931643	0.128762453667675	0.346780194460049
CHOL	RNF17	cg12020676	-0.0434668958895726	36	-0.253693152506673	0.801260503857846	0.00188937103827494	0.891519489074591
CHOL	RNF17	cg14855529	0.0777057168102888	36	0.454472467110513	0.652377150762929	0.00603817842500081	0.796944632179443
CHOL	RNF17	cg15523998	-0.193488069024129	36	-1.14995066798126	0.258188745593815	0.0374376328546861	0.45277172903186
CHOL	RNF17	cg17806989	-0.187643617591727	36	-1.11392740232633	0.273123297623815	0.0352101272229103	0.469419919478317
CHOL	RNF17	cg20477497	-0.134361575157693	36	-0.790624973915013	0.43464326477048	0.0180530328788564	0.628071170384158
CHOL	RNF17	cg21831927	-0.275494785625039	36	-1.67106268030623	0.10389048405679	0.075897376906586	0.244804533215589
CHOL	RNF17	cg23678722	-0.0418423833575095	36	-0.244194784458367	0.808547593780147	0.00175078504503679	0.896460507525587
CHOL	RNF17	cg24753530	-0.293650393873118	36	-1.79123154958115	0.0821621664761525	0.0862305538218376	0.206925558575733
CHOL	RNF20	cg04845236	-0.337225471771835	36	-2.0886929676939	0.0442946539509676	0.113721018811737	0.132040399642165
CHOL	RNF20	cg14625770	0.0202365807582908	36	0.118022697672804	0.906744180881419	0.000409519200786826	0.95070002936873
CHOL	RNF20	cg21219529	-0.0261410124782488	36	-0.152479093634132	0.879710361817866	0.00068335253387959	0.936206636482037
CHOL	RNF217	cg00991794	-0.344260724564246	36	-2.13805849944592	0.0397837272912182	0.1185154464775	0.122013029021217
CHOL	RNF217	cg02312409	-0.396328378532602	36	-2.51709988243552	0.0167127623147052	0.157076183630281	0.0634002311407883
CHOL	RNF217	cg03113502	-0.285162045671026	36	-1.73479608280156	0.0918353126868876	0.0813173922912842	0.224083693468532
CHOL	RNF217	cg06993703	-0.355736220744853	36	-2.21946391240294	0.0332298622195347	0.126548258749831	0.106544281478238
CHOL	RNF217	cg07439975	-0.311772096091546	36	-1.91329249812298	0.0641617475363066	0.0972018399013161	0.172892240659488
CHOL	RNF217	cg10621825	-0.347901889867442	36	-2.16376770519391	0.0375996166111677	0.121035724973338	0.117020412245555
CHOL	RNF217	cg16203203	-0.45966494525267	36	-3.01802395488582	0.00479612217666916	0.21129186189414	0.0239864692132305
CHOL	RNF217	cg17382198	-0.351237111028283	36	-2.187414432004	0.0356854795865756	0.123367508163495	0.112447998985663
CHOL	RNF217	cg18192252	-0.397123692782805	36	-2.52309567815346	0.0164756028909464	0.157707227369452	0.0627072554977269
CHOL	RNF217	cg19171596	-0.376453164924619	36	-2.3693823678137	0.0236371950626139	0.141716985381763	0.0826589927493028
CHOL	RNF217	cg19478500	-0.439575133932804	36	-2.85362373819156	0.00730836191390313	0.193226298372042	0.0335022516837573
CHOL	RNF217	cg20034100	0.287307198967019	36	1.74901559423276	0.0893120607459038	0.0825454265782741	0.219647820859251
CHOL	RNF217	cg23521835	-0.372661556314599	36	-2.34164667124564	0.0251965806526885	0.138876635554819	0.0867204705258263
CHOL	RNF217	cg24822696	-0.329865809073665	36	-2.03747347145638	0.0494456892556032	0.108811451995824	0.143149787873559
CHOL	RPH3A	cg00851732	0.211139929171979	36	1.25954208109602	0.216412657113418	0.0445800696907483	0.403683161431034
CHOL	RPH3A	cg00854817	0.260647795272411	36	1.57424000212097	0.124692533161695	0.0679372731803687	0.277917755822604
CHOL	RPH3A	cg01119407	-0.104524795748514	36	-0.612835999327718	0.544062517636652	0.0109254329262685	0.718294744026639
CHOL	RPH3A	cg01573562	-0.00391431813397421	36	-0.0228243755972397	0.981923794506758	1.53218864539594e-05	0.990643844758107
CHOL	RPH3A	cg05967001	0.157096666637934	36	0.927540158275485	0.36018422549878	0.0246793626687502	0.559095150117767
CHOL	RPH3A	cg08254200	0.184395071961105	36	1.09395775729919	0.281663531996306	0.0340015425635412	0.478784857197663
CHOL	RPH3A	cg09384610	0.144329802893249	35	0.837884547520751	0.40812338798396	0.020831092003204	0.604174971735948
CHOL	RPH3A	cg11596863	0.0622381888639735	36	0.363612812469154	0.71839842820951	0.00387359215306764	0.840129390639647
CHOL	RPH3A	cg16403344	0.105241097103949	36	0.617082596914962	0.541290986014494	0.0110756885196427	0.716313254278425
CHOL	RPH3A	cg17453780	0.06984242911951	36	0.408244763449669	0.68565369874329	0.00487796490531378	0.819064291938097
CHOL	RPH3A	cg18629535	0.0494938682674333	36	0.288950494740905	0.774373790783294	0.00244964299607404	0.874956568244405
CHOL	RPH3A	cg19712198	0.0690181529939143	36	0.403403484261131	0.689177255778323	0.00476350544269136	0.821290677635093
CHOL	RPH3A	cg20704159	-0.0431072604565313	36	-0.251590227732669	0.802872323827266	0.00185823590406722	0.892521428405521
CHOL	RPH3A	cg21900624	0.293513055500298	36	1.79031480645641	0.0823121250552712	0.0861499137491212	0.207169091738645
CHOL	RPH3A	cg23199238	0.0658291746182982	14	0.228534662963982	0.823078750335283	0.0043334802309264	0.904783002495203
CHOL	RPH3A	cg23549179	0.327690346881303	36	2.02241386644304	0.051056867774391	0.107380963439189	0.146500367794371
CHOL	RPH3A	cg23596620	0.431718314022206	36	2.790803831688	0.00856028437398469	0.186380702662176	0.0378503332152873
CHOL	RTF1	cg04910470	-0.329607947359836	36	-2.03568653227179	0.049634510228792	0.108641398962765	0.143506332260785
CHOL	RTF1	cg07091958	-0.535352144997453	36	-3.6958389428001	0.000766982566126184	0.286601919153374	0.00537392071955511
CHOL	RTF1	cg07129439	0.0707066487089574	36	0.413321547949907	0.681966393670223	0.00499943017165191	0.816635529388689
CHOL	RTF1	cg15581235	-0.0878733649415844	36	-0.514375144941736	0.610317258161656	0.00772172826615687	0.76760140775888
CHOL	RTF1	cg18782716	-0.108021352339373	36	-0.633574624054678	0.53059779395606	0.0116686125612269	0.708450741333648
CHOL	RTF1	cg22263512	0.014543496133152	36	0.0848113961778974	0.932908773245519	0.000211513279775008	0.964334497299879
CHOL	RTF1	cg24280607	0.204164996231564	36	1.2160914237255	0.232325946935443	0.0416833456862345	0.422931733886271
CHOL	RTF1	cg27576415	-0.155768018782514	36	-0.919499543875867	0.364312215774329	0.0242636756754297	0.563344620524124
CHOL	SATB1	cg01069104	-0.27583765340685	36	-1.67331356088293	0.103443361949291	0.0760864110369976	0.243945461970508
CHOL	SATB1	cg01373248	0.0531832364787545	36	0.310548390844073	0.758039780110889	0.00282845664235513	0.865069850723152
CHOL	SATB1	cg04004754	-0.147509608275487	36	-0.869634691849276	0.390598219830014	0.0217590845335878	0.587904116652118
CHOL	SATB1	cg14415616	-0.317043739313676	36	-1.94922555138206	0.0595569672483112	0.100516732637998	0.163785870691287
CHOL	SATB1	cg19818826	-0.23668107997285	36	-1.42043422820617	0.164587316955247	0.0560179336171145	0.336237020357576
CHOL	SATB1	cg26131754	-0.257667986041285	36	-1.55495499311487	0.129217080207954	0.0663927910305719	0.284942617001716

CHOL	SATB1	cg26768584	-0.140773052121112	36	-0.829097133859811	0.41283246925884	0.0198170522034933	0.60843985134742
CHOL	SCML2	cg00457389	-0.230753325552139	36	-1.38283099243976	0.175732001170955	0.0532470972533715	0.351536303301532
CHOL	SCML2	cg04189389	-0.212859281960688	36	-1.2702834910832	0.21260800469172	0.0453090739168198	0.39888163793531
CHOL	SCML2	cg05049545	-0.234544654633307	36	-1.40686254126136	0.168543798413205	0.0550111950170571	0.341686073855348
CHOL	SCML2	cg06131666	-0.0516758599452325	36	-0.301722581935161	0.764701400152197	0.00267039450107928	0.869445218254947
CHOL	SCML2	cg08300622	-0.181741357723982	36	-1.07767227193606	0.2887669970494	0.0330299211073563	0.486293749723152
CHOL	SCML2	cg17710066	-0.293591559205637	36	-1.79083880925424	0.0822263816166039	0.0861960036367971	0.207067173749906
CHOL	SCML2	cg17727916	-0.190906198697394	36	-1.13402146164571	0.264718202785502	0.0364451767010889	0.460327251295254
CHOL	SCML2	cg22823767	-0.224416317163601	36	-1.34281135004532	0.188229512297418	0.0503626834092741	0.367714496501063
CHOL	SCML2	cg26246138	-0.270531618452527	36	-1.63855685168591	0.110528194085403	0.0731873565825437	0.255873813496375
CHOL	SCML4	cg00977377	0.0972493592094025	36	0.569756956268492	0.572588229950671	0.0094574378666394	0.740153679850828
CHOL	SCML4	cg03500965	-0.361615555430751	28	-1.9777226067207	0.0586504155925993	0.130765809929491	0.161962179756028
CHOL	SCML4	cg05603896	-0.303663729703364	36	-1.85840378143014	0.0717871814084863	0.0922116607373576	0.187750517941661
CHOL	SCML4	cg08792995	-0.261292951742341	36	-1.57842171731499	0.12372866038789	0.0682740066302256	0.276510985527594
CHOL	SCML4	cg17388996	-0.120798935462745	36	-0.709568958379919	0.482809589309573	0.0145923828089325	0.66981166635308
CHOL	SCML4	cg23503775	-0.345843831278116	36	-2.14922279197877	0.0388218167901729	0.119607955633126	0.119802626656143
CHOL	SCML4	cg27353361	-0.13985573865396	36	-0.823586381604623	0.415914467550493	0.0195596276344449	0.611495042850848
CHOL	SCML4	cg27659622	-0.20044656501474	36	-1.19300678456393	0.241125706591297	0.0401788254262083	0.433321919044513
CHOL	SETD1A	cg26692825	0.227988096363876	36	1.3653454708806	0.181110670602092	0.0519785720836241	0.358348820986804
CHOL	SETD6	cg01152986	-0.300299338466095	36	-1.83576050011906	0.0751519516600968	0.0901796926831746	0.194160636559582
CHOL	SETD6	cg01472538	-0.268710988096148	36	-1.62666832434947	0.113041631005681	0.0722055951236084	0.260053248239176
CHOL	SETD6	cg01773760	-0.119771233074876	36	-0.703444028478622	0.48656867135932	0.0143451482722764	0.673034320508649
CHOL	SETD6	cg02549819	0.0133427802079425	31	0.0718594672525679	0.943207056221625	0.000178029783677463	0.969718299567398
CHOL	SETD6	cg05502081	-0.233403496206118	36	-1.39962216323527	0.170684840588546	0.0544771920412392	0.344558644646582
CHOL	SETD6	cg09132913	-0.232741946097763	36	-1.39542758863799	0.171934914196278	0.0541688134733741	0.346273454189692
CHOL	SETD6	cg19824325	-0.191354056470354	36	-1.13678282008595	0.263577867194492	0.0366163749276594	0.459007658439384
CHOL	SETD6	cg26666090	-0.314998420160043	36	-1.93526049827573	0.0613114253393121	0.099224004703323	0.167240301765591
CHOL	SETD7	cg05316864	0.0217193760710115	36	0.126674518748078	0.899944195886674	0.000471731296914028	0.947262255436596
CHOL	SETDB1	cg02060408	-0.417090526797318	36	-2.67590339438058	0.0113820539917743	0.173964507544064	0.0471787912814597
CHOL	SETDB1	cg08531528	-0.0746042701634384	36	-0.43622958707682	0.665427717920059	0.00556579712661931	0.805834453820436
CHOL	SETDB1	cg10589385	-0.364315757074086	36	-2.28107331076786	0.0289298176730752	0.132725970852464	0.0961180820396269
CHOL	SETDB1	cg10961700	-0.191871135001316	36	-1.13997189005527	0.262265313317786	0.0368145324466932	0.457653883588162
CHOL	SETDB1	cg12082615	-0.232186240861191	36	-1.39190570903726	0.17299002700375	0.053910450445251	0.347872683703791
CHOL	SETDB1	cg15448220	0.0281781368099164	36	0.164370628930894	0.870412688853789	0.000794007394078368	0.931222112890113
CHOL	SETDB1	cg16370685	-0.498290185072216	17	-2.22588999043199	0.0417758485329216	0.248293108539303	0.126381892310718
CHOL	SETDB1	cg17899625	-0.280903380506949	36	-1.70665058820736	0.0970062784682059	0.0789067091802319	0.232956947457739
CHOL	SETDB1	cg17918089	0.127629520128124	36	0.750337921604674	0.458212632315313	0.0162892944081352	0.648230469509683
CHOL	SETDB1	cg19689029	-0.407685475696653	36	-2.60336877769444	0.0135843726154836	0.166207447094007	0.0541190496875573
CHOL	SETDB1	cg26820223	-0.191951817871995	36	-1.1404695886222	0.262060897251137	0.0368455003843635	0.457389514510341
CHOL	SETMAR	cg00300090	0.171287464741583	36	1.01375109911426	0.317861735393712	0.0293393955775991	0.517158205493616
CHOL	SETMAR	cg02520519	0.22560508358321	36	1.35030481545328	0.185838658063359	0.0508976537385869	0.364637120797541
CHOL	SETMAR	cg06021447	0.0772260328845764	36	0.451650085780471	0.654389100471772	0.00596386015508968	0.798361886334212
CHOL	SETMAR	cg06267913	0.135886612774461	36	0.799766620854478	0.429398562519588	0.0184651715313163	0.623476646620792
CHOL	SETMAR	cg14751177	0.0209896303437715	36	0.122416493981607	0.9032899071357	0.000440564581968175	0.948758505509675
CHOL	SETMAR	cg14961031	-0.232169938854421	36	-1.39180241397696	0.173021049120811	0.0539028805076656	0.34790249154293
CHOL	SETMAR	cg15232450	0.219630791082284	36	1.31270890620868	0.198073260104626	0.0482376843914298	0.380617310457941
CHOL	SETMAR	cg15384599	-0.0996136706078514	36	-0.583745963527175	0.563244154946	0.00992288337196952	0.733216462347207
CHOL	SETMAR	cg16423812	-0.0982717440181559	36	-0.575804928082524	0.568539008743398	0.00965733567236997	0.736955296409305
CHOL	SETMAR	cg21901604	-0.245849768598104	36	-1.47892956225243	0.148365087460856	0.0604421087197411	0.313374972548392
CHOL	SETMAR	cg22149154	0.0784601529777557	36	0.458912088675846	0.649217687732896	0.00615599560529283	0.794782374964481
CHOL	SETMAR	cg23182840	-0.434063684285633	36	-2.80947330739876	0.00816872613351368	0.188411282015618	0.0365153845980648
CHOL	SETMAR	cg23549342	-0.351571602072856	36	-2.18979118993779	0.0354979711376538	0.123602591384075	0.112017377270941
CHOL	SETMAR	cg24390964	-0.00042576327038282	36	-0.0024826053732106	0.998033679027288	1.81274362407077e-07	0.99897078748674
CHOL	SETMAR	cg26797270	0.179817328948842	36	1.06588001856192	0.293988703996037	0.0323342717902959	0.491774788358492
CHOL	SETMAR	cg27265118	0.150283856945948	36	0.886364480043554	0.381647816611273	0.0225852376585501	0.580084995612859
CHOL	SFMBT2	cg09060610	-0.266863598926801	36	-1.61462427172137	0.115635728714065	0.0712161804321646	0.26389831845758
CHOL	SFMBT2	cg12328063	-0.169930523223803	36	-1.00548036726728	0.321768223509968	0.0288763827231153	0.521242679127386

CHOL	SFMBT2	cg20299663	-0.296305113161606	36	-1.8089759361171	0.079304867971546	0.087796720085712	0.20172785204128
CHOL	SFMBT2	cg25291138	-0.110329308092903	36	-0.647276454584361	0.521799648872105	0.0121725562242587	0.701679865246176
CHOL	SHPRH	cg00571935	-0.162025673266825	36	-0.95741466416297	0.345116791730052	0.0262523187975679	0.544363659688719
CHOL	SHPRH	cg02758840	0.14544595180614	36	0.857203681920407	0.397334354469189	0.0211545248967941	0.593924924517256
CHOL	SHPRH	cg06708562	0.0641762409786587	36	0.374981568322619	0.710003182613213	0.00411858990615088	0.834842091084057
CHOL	SHPRH	cg11387577	0.0669010057704688	36	0.390972474035087	0.698256892194245	0.0044757445731003	0.826967644115323
CHOL	SHPRH	cg11675148	0.249650131975171	36	1.5032981865188	0.141994831050286	0.0623251883952205	0.304231619893854
CHOL	SHPRH	cg12989205	0.00972398480545542	36	0.0567027684802914	0.955113893680904	9.45558804967278e-05	0.97610554571028
CHOL	SHPRH	cg14102550	-0.0854629994988022	36	-0.500160553787596	0.620184040012256	0.00730392428333226	0.774747040638364
CHOL	SHPRH	cg15443174	-0.0853135581867518	36	-0.499279550971595	0.620797954017186	0.00727840321048429	0.775256226560608
CHOL	SHPRH	cg16339435	-0.126307665810413	36	-0.742440039694588	0.462919549956526	0.0159536264424749	0.65223246765889
CHOL	SHPRH	cg18099523	-0.215972078568207	36	-1.28976177216054	0.205837784980843	0.0466439387210716	0.390159949437154
CHOL	SHPRH	cg26814539	-0.0500322974605495	36	-0.292101747806905	0.771983855188306	0.00250323078918091	0.873578006635057
CHOL	SHPRH	cg27398948	0.152912451372616	36	0.902235674879204	0.373279269742639	0.0233822177847827	0.57185141228637
CHOL	SIN3A	cg01088093	-0.230957400614333	36	-1.38412282682886	0.175339611823784	0.0533413208985297	0.350995053322512
CHOL	SIN3A	cg01664094	-0.220017693899121	36	-1.31513890911836	0.197264305854631	0.0484077856286875	0.379531567731493
CHOL	SIN3A	cg02028562	-0.38939974053168	36	-2.46514810916108	0.0189025216734515	0.15163215792614	0.0697107488763102
CHOL	SIN3A	cg07544511	-0.29121641599125	36	-1.77500248986026	0.0848513346947436	0.0848070009427889	0.21182489788234
CHOL	SIN3A	cg10483776	-0.0820737073476263	36	-0.48018786732134	0.63416890959044	0.00673609343778381	0.784539555148944
CHOL	SIN3A	cg11184237	-0.30499099743245	36	-1.8673576530444	0.0704926520099701	0.0930195085148406	0.185329684706442
CHOL	SIN3A	cg15851274	-0.219255531545304	36	-1.3103526524322	0.19886008111774	0.0480729881132139	0.381560582952457
CHOL	SIN3A	cg22059910	-0.0736052397336128	36	-0.430355971865932	0.669652465414965	0.00541773131624261	0.808525948201077
CHOL	SIN3A	cg25697800	-0.211783158698249	36	-1.26355912606004	0.214983852365108	0.0448521063082078	0.401972162930617
CHOL	SIN3B	cg06815056	0.0461263667641997	36	0.269247209000063	0.789366727574637	0.00212764171086546	0.884089525557562
CHOL	SIRT1	cg02720207	-0.145512902207208	36	-0.857606795953416	0.397114772393414	0.0211740047087646	0.593743965611023
CHOL	SIRT1	cg03211233	-0.138912644050025	36	-0.81792300412653	0.419096567569445	0.0192967226769689	0.614470652999442
CHOL	SIRT1	cg07832903	-0.130025174746303	36	-0.76466198960018	0.449747821178798	0.0169065460678067	0.640903670104894
CHOL	SIRT1	cg10582690	-0.203072322901266	36	-1.20930228157076	0.234888878436875	0.0412383683285159	0.425982502077541
CHOL	SIRT1	cg10705386	-0.214599018036779	36	-1.28116482417824	0.20880546173935	0.0460527385423498	0.394018631216975
CHOL	SIRT1	cg19192316	0.106685953789664	36	0.625651402496353	0.535721087671776	0.0113818927360102	0.712065190161523
CHOL	SIRT1	cg19681528	-0.350439167950851	36	-2.18174842676747	0.0361360481255208	0.122807610434085	0.11357794545177
CHOL	SIRT1	cg19980381	-0.0627206083942336	36	-0.366442329721886	0.716305603744822	0.0039338747173428	0.838715805805609
CHOL	SIRT1	cg25513531	-0.127540956312268	36	-0.749808639514613	0.4585271906165	0.0162666955370479	0.648494160522745
CHOL	SIRT4	cg04118464	-0.0254055306971435	24	-0.119200976375967	0.906197922820686	0.000645440990003499	0.950372903123735
CHOL	SIRT4	cg07106325	0.225682630735344	36	1.35079385924615	0.18568344325737	0.0509326498156258	0.364452069755617
CHOL	SIRT4	cg08264848	0.111364334195766	36	0.653424607782503	0.517877448829456	0.0124020149308663	0.698771956610918
CHOL	SIRT4	cg12124973	0.274053825690795	36	1.66161050407914	0.105785636586621	0.0751054993757605	0.247943352493736
CHOL	SIRT4	cg20010714	0.0974813869709467	36	0.571129368401467	0.571668122731241	0.00950262080577946	0.739431197455343
CHOL	SIRT4	cg21068152	0.303709890193906	36	1.85871498389904	0.0717418495678953	0.0922396974015947	0.1876815228599
CHOL	SIRT4	cg21123573	0.00417895442164364	17	0.0161851622062881	0.987299992280864	1.74636600581749e-05	0.993269806321138
CHOL	SIRT5	cg01064902	-0.222607685781278	36	-1.33142262036521	0.191908476425487	0.0495541817688961	0.372395310926524
CHOL	SIRT5	cg02206980	-0.28217038754629	36	-1.71501268596123	0.0954451571071202	0.0796201276080238	0.230312992090056
CHOL	SIRT5	cg02712746	-0.230116214727388	36	-1.37879919761033	0.176961042002218	0.0529534722804613	0.353105068395121
CHOL	SIRT5	cg06139021	0.0918811422281082	36	0.538030399012465	0.594060870401202	0.00844214429714185	0.755776687867145
CHOL	SIRT5	cg07534331	-0.0732999977483789	36	-0.428561618539709	0.670945288403995	0.00537288966991235	0.809408519153001
CHOL	SIRT5	cg07909422	-0.371135470506605	36	-2.33052190315346	0.0258477597800946	0.137741537468159	0.0883480063415061
CHOL	SIRT5	cg08619119	-0.19756158740914	36	-1.17513343192643	0.248105550699776	0.0390305808196194	0.441451059218206
CHOL	SIRT5	cg10907941	-0.293756455531396	36	-1.79193960154252	0.0820465035124177	0.0862928551663689	0.206701178608278
CHOL	SIRT5	cg11824369	-0.266875391766953	36	-1.61470109416482	0.115619028741432	0.0712224747307647	0.263891172453672
CHOL	SIRT5	cg19366958	0.0854380835870205	36	0.500013664410811	0.620286378550035	0.0072996661270227	0.774837556929868
CHOL	SIRT5	cg20150972	0.0922795154124647	36	0.54038315316992	0.592455375877858	0.00851550896475932	0.754748526365605
CHOL	SIRT7	cg11691214	-0.178683368058457	35	-1.04324716571258	0.304416446678734	0.0319277460207141	0.503017897521226
CHOL	SIRT7	cg12710567	-0.210157423916912	15	-0.775041945884748	0.452182836973237	0.0441661428273926	0.642680398638823
CHOL	SIRT7	cg17552093	0.0149677673532562	36	0.087286109488484	0.930956156501875	0.000224034059541201	0.96346991828577
CHOL	SIRT7	cg20397086	-0.220046043242902	17	-0.87364822728756	0.396081552777774	0.0484202611468572	0.592769825836251
CHOL	SMARCA	cg03460558	-0.447227802193028	36	-2.91559171918636	0.0062431541704117	0.200012707054406	0.0295947800580713
CHOL	SMARCA	cg06675660	-0.412898571938889	36	-2.64344803758828	0.0123230819653833	0.170485230709174	0.0502022328453618

CHOL	SMARCA	cg08617833	-0.564983068598764	36	-3.9927028489296	0.00033066506000866	0.319205867803275	0.00265002139469596
CHOL	SMARCA	cg12935118	-0.406455739694083	36	-2.59395913274489	0.0138972726853174	0.165206268330264	0.0550695003709038
CHOL	SMARCA	cg17420696	-0.363654258631397	35	-2.2425748131668	0.031760988792496	0.132244419820751	0.102954888208818
CHOL	SMARCA	cg18959966	-0.569225445666562	36	-4.03697511697097	0.000291219485941206	0.324017607994296	0.00238471360729395
CHOL	SMARCA	cg24447042	-0.562445485157849	36	-3.9664444107229	0.000356477693774467	0.316344923774449	0.00282372728942989
CHOL	SMARCA	cg26010110	-0.549630279207948	36	-3.83629035128625	0.000516351638169943	0.302093443822206	0.00385425631738558
CHOL	SMARCA	cg27353825	-0.202665908707257	18	-0.827843083555116	0.419936372502273	0.0410734705521384	0.615249398382017
CHOL	SMARCA	cg04518912	-0.144543001536931	35	-0.839148630163452	0.40742391127981	0.0208926792933052	0.603624890570989
CHOL	SMARCA	cg13529335	-0.242742373214285	36	-1.45905838514525	0.153726695847178	0.058923859753703	0.321029372949518
CHOL	SMARCA	cg14290704	0.0243476367936672	36	0.142011998020028	0.88790871132668	0.000592807417436338	0.940395126853178
CHOL	SMARCA	cg21210735	-0.303908724006636	36	-1.86005563653848	0.071546841055422	0.0923605125273417	0.187316246653614
CHOL	SMARCA	cg08405378	-0.076037893766231	36	-0.444660624978012	0.6593828522716	0.00578176128840463	0.801746041304412
CHOL	SMARCA	cg17218495	-0.243338125226185	36	-1.46286437857953	0.15268802005217	0.0592134431885943	0.319652836813437
CHOL	SMARCA	cg17747332	0.18345313762526	36	1.08817441995142	0.284171822890607	0.0336550537045525	0.481452681794366
CHOL	SMARCA	cg18522266	-0.0220363791833613	36	-0.12852427656743	0.898491337219018	0.000485602007512879	0.946352852298873
CHOL	SMARCA	cg23892580	-0.0991141045783212	36	-0.5807893392671	0.565212642226689	0.0098236057263624	0.734717643911139
CHOL	SMARCA	cg01278696	-0.221611269741718	36	-1.32515449965588	0.193956736790533	0.0491115548765363	0.375147238873008
CHOL	SMARCA	cg01575392	-0.283164190163793	36	-1.72157848666293	0.0942341623847286	0.0801819585911165	0.228233623653723
CHOL	SMARCA	cg02782292	0.144473006988662	36	0.851346853445966	0.400533276581449	0.0208724497483461	0.59703172482041
CHOL	SMARCA	cg05358385	-0.0992186169165608	36	-0.581407846791517	0.564800561234843	0.00984433394283524	0.734423121377859
CHOL	SMARCA	cg10878459	-0.165105754931076	36	-0.976120114935438	0.335899321249586	0.0272599103113607	0.535481296692356
CHOL	SMARCA	cg12253543	-0.0475103421471846	36	-0.27734371103872	0.783195579587202	0.00225723261094254	0.880365361524859
CHOL	SMARCA	cg13848802	-0.116405206610712	13	-0.388714953551889	0.704905576272935	0.0135501721260825	0.831604843636347
CHOL	SMARCA	cg13898584	-0.0445707038915872	36	-0.260148157123519	0.796318509502757	0.00198654764539155	0.888484467824802
CHOL	SMARCA	cg16091845	-0.106986947148234	36	-0.627436963575805	0.534564244149377	0.011446206860099	0.711271158249212
CHOL	SMARCA	cg16587443	-0.185380236056087	10	-0.533583156804815	0.60813173831659	0.0343658319202106	0.765951598002118
CHOL	SMARCA	cg19993723	0.101260751398	36	0.593497193349711	0.556776476276175	0.0102537397736876	0.728135514161798
CHOL	SMARCA	cg20045045	-0.161080094403619	36	-0.951677922717227	0.347977139853676	0.0259467968130788	0.547225590468751
CHOL	SMARCA	cg22077701	-0.0946041247742368	36	-0.554117332335625	0.583125065885751	0.00894994042429936	0.748142679566523
CHOL	SMARCA	cg24607315	-0.376677674057322	36	-2.37102898203264	0.0235474264155053	0.141886070133234	0.0824006338251908
CHOL	SMARCB	cg01745726	-0.315745557528245	36	-1.94035832522796	0.0606658603351822	0.099695257098822	0.165972918548098
CHOL	SMARCB	cg01912455	0.164274198026738	36	0.971067171574734	0.33837279346618	0.0269860121373279	0.537782403671406
CHOL	SMARCB	cg03979008	-0.0443136405156871	36	-0.258644781140293	0.797468750361187	0.00196369873575354	0.889246527135357
CHOL	SMARCB	cg10122452	0.0287713029657312	36	0.167833563221055	0.867708565899012	0.000827787874345895	0.929722748785177
CHOL	SMARCB	cg16142952	-0.0627400845977081	36	-0.366556568172612	0.716221155009725	0.00393631821532757	0.838674496518738
CHOL	SMARCB	cg19906397	-0.249888746121167	36	-1.50483068012728	0.141601663840835	0.062444385438009	0.303740586120548
CHOL	SMARCC	cg02564102	0.134006428380478	36	0.788496914941357	0.4358696882493	0.0179577228472921	0.629021751338739
CHOL	SMARCC	cg02627110	-0.405771632011739	36	-2.5887318215246	0.014073954863557	0.16465061734547	0.0555686567860507
CHOL	SMARCC	cg05592996	-0.185457753025795	23	-0.864877886757253	0.396878340146558	0.0343945781573769	0.593466904815335
CHOL	SMARCC	cg07143957	-0.208052461094834	36	-1.24028420231715	0.223361656082528	0.0432858265676175	0.412175130732299
CHOL	SMARCC	cg07304068	-0.0949890077814471	36	-0.556392161435755	0.581586595214543	0.00902291159930382	0.74699424759147
CHOL	SMARCC	cg07474652	-0.11921732278132	36	-0.70014377101848	0.488600985991359	0.0142127700511453	0.674633933907418
CHOL	SMARCC	cg12894336	-0.107461701668107	36	-0.630253670289465	0.53274201438791	0.0115480173254052	0.709951560012558
CHOL	SMARCC	cg16250355	-0.152002262762574	36	-0.896737845319704	0.376164634102208	0.0231046878849425	0.574692685493857
CHOL	SMARCC	cg20685352	-0.0438443120273806	36	-0.255900154077526	0.799569862633587	0.00192232369715431	0.890542727586256
CHOL	SMARCC	cg22984439	-0.245121688929971	36	-1.4742693136915	0.149608929614878	0.0600846423838816	0.315083742849318
CHOL	SMARCD	cg02553054	-0.105806148648393	36	-0.620433193870967	0.539109436771445	0.0111949410918058	0.714599428822647
CHOL	SMARCD	cg04550398	-0.106309163345966	36	-0.623416441023584	0.537170946508006	0.0113016382113193	0.713131403278169
CHOL	SMARCD	cg09878554	0.249450529449063	36	1.50201646844523	0.142324332921522	0.062225566642418	0.304736659213121
CHOL	SMARCD	cg13349421	0.000698417097080299	36	0.00407243748885274	0.99677447531004	4.87786441494071e-07	0.998352969992265
CHOL	SMARCD	cg17846064	-0.0748823864760576	36	-0.437864954908822	0.664253402418885	0.00560737180434966	0.804990787652399
CHOL	SMARCD	cg18591973	-0.0594990959148295	36	-0.347552103470241	0.730318992238727	0.00354014241468208	0.847495650950186
CHOL	SMARCD	cg20405918	-0.0645615499905583	36	-0.377242322775512	0.708338064898811	0.00416819373718336	0.833791575311142
CHOL	SMARCD	cg22402853	-0.0986766026699946	36	-0.578200398751717	0.566939162051177	0.00973707191449198	0.73578567903322
CHOL	SMARCD	cg25107077	0.0510625623772206	36	0.298132271382342	0.767416571315514	0.00260738527652754	0.871163449049525
CHOL	SMARCD	cg00945038	0.293490036764701	36	1.79016116667835	0.0823372797348728	0.0861364016801453	0.207205587930472
CHOL	SMARCD	cg02127607	0.09295961945642	36	0.544400388439115	0.589718872861524	0.00864149084948242	0.752803367115561

CHOL	SMARCD	cg02360836	-0.213903805518651	36	-1.27681502971196	0.210319301735317	0.045754838015361	0.396010740613739
CHOL	SMARCD	cg04367190	-0.160017907297043	36	-0.945236937438573	0.35120733561773	0.025605730655725	0.550155520660579
CHOL	SMARCD	cg06420487	-0.277399809695026	36	-1.6835776741496	0.10142467520015	0.0769506544188366	0.240702598612582
CHOL	SMARCD	cg07362569	0.343029265864921	36	2.12938839248121	0.0405452501299771	0.117669077239826	0.123581757184165
CHOL	SMARCD	cg11697258	-0.248099814040113	36	-1.49334840322408	0.144568827764535	0.0615535177267386	0.307956938310905
CHOL	SMARCD	cg12577610	-0.33202299453265	36	-2.0524425206854	0.0478885185447519	0.110239268898428	0.139817579721165
CHOL	SMARCD	cg15868002	-0.236861285885569	36	-1.42157998468519	0.164256672256716	0.0561032687513654	0.335729054978559
CHOL	SMARCD	cg19016967	0.0472652790843029	36	0.275909933262366	0.78428737900235	0.00223400660691704	0.881003759928425
CHOL	SMARCD	cg19143629	0.137089911573029	36	0.806983729269861	0.425285257143078	0.0187936438551008	0.620085211739465
CHOL	SMARCD	cg21254277	-0.321951245215045	36	-1.98285696513873	0.0555093662875309	0.103652604295518	0.155594801597255
CHOL	SMARCD	cg23682543	-0.28421301588467	36	-1.72851435054315	0.0929689138640092	0.0807770383982595	0.226048560248062
CHOL	SMARCD	cg24795630	-0.311213672186651	36	-1.90949767156767	0.0646655276626963	0.0968539497559004	0.173882342780816
CHOL	SMARCD	cg25945412	-0.211647960866391	36	-1.26271465702726	0.215283626799929	0.0447948593389013	0.402316297568314
CHOL	SMARCD	cg00864064	-0.244956061057505	36	-1.47320954366536	0.149892943842525	0.0600034718488083	0.315488533137236
CHOL	SMARCD	cg02917064	0.202653037097277	36	1.20669837234832	0.235877394915113	0.0410682534447504	0.427141225331403
CHOL	SMARCD	cg14795305	0.263791916560747	20	1.16027158991581	0.261096744297251	0.0695861752427919	0.456382513051281
CHOL	SMARCD	cg19786287	-0.256519371855497	36	-1.54753401426715	0.130993267964126	0.0658021881371388	0.28765205158002
CHOL	SMARCD	cg19902439	-0.205812830022894	36	-1.22633894187688	0.228496814907049	0.0423589210020328	0.418398993029987
CHOL	SMARCD	cg22750243	-0.235762794384753	36	-1.41459813996156	0.166279638290941	0.0555840952161075	0.33863604233633
CHOL	SMARCD	cg22787816	0.0310678206673758	36	0.181242457374801	0.857253414500059	0.000965209481020223	0.924069505294761
CHOL	SMNDC1	cg03999743	-0.229297470842553	36	-1.37362073157014	0.178549431679251	0.0525773301347915	0.355144958913238
CHOL	SMNDC1	cg08770590	-0.0126228072002702	36	-0.0736088460386667	0.941752990001304	0.000159335261615194	0.968934244198939
CHOL	SMNDC1	cg11559952	-0.0743220546990765	36	-0.434570220219175	0.66662014337203	0.00552376781469252	0.806517067394769
CHOL	SMNDC1	cg12486840	0.0460319652166993	36	0.268695000302657	0.789788128935928	0.00211894182171142	0.884332623781131
CHOL	SMNDC1	cg17981675	-0.0214107260885062	36	-0.124873539350267	0.901359079055952	0.000458419191637041	0.947956498370603
CHOL	SMNDC1	cg18209001	0.150982876176193	36	0.890583196844233	0.379411721707799	0.0227958288984356	0.577917010524867
CHOL	SMNDC1	cg21872391	-0.0821389932621662	36	-0.480572428539228	0.63389832497296	0.00674681421412218	0.784440122966977
CHOL	SMNDC1	cg23721301	-0.102774222969538	36	-0.602461760203466	0.550864103129053	0.0105625409069923	0.723346196050596
CHOL	SMNDC1	cg26944434	-0.0572551822807731	36	-0.334400772476495	0.740131257047153	0.00327815589800455	0.853712279976369
CHOL	SMYD1	cg00578637	0.21551238664302	36	1.28688267812208	0.20682806698902	0.0464455887965707	0.391569507759456
CHOL	SMYD1	cg00666842	-0.341466098264362	36	-2.11840079658284	0.0415288484024743	0.116599096263887	0.1257765020876
CHOL	SMYD1	cg03704645	-0.0816465834626597	36	-0.477672083127495	0.635940322477562	0.00666616459112505	0.785670895301218
CHOL	SMYD1	cg14559139	-0.119338804144977	36	-0.700867513239732	0.488154893221065	0.0142417501747531	0.67426227887647
CHOL	SMYD1	cg16090764	-0.158901770771353	36	-0.938472439185367	0.354621077372188	0.0252497727542717	0.553553358873608
CHOL	SMYD1	cg18148488	0.00835958587803329	36	0.0487460463974828	0.961406909517827	6.98826760522137e-05	0.979816870308994
CHOL	SMYD1	cg19074493	-0.1224093211186	36	-0.719171245282928	0.476949640042589	0.0149840418967166	0.66464523596011
CHOL	SMYD2	cg01770831	-0.286975122132095	36	-1.74681249797677	0.0896991408249824	0.0823547207227306	0.22032023343774
CHOL	SMYD2	cg04406444	-0.182102815920195	36	-1.07988905027987	0.287792723361775	0.0331614355660645	0.485283344992
CHOL	SMYD2	cg11523160	-0.27978815175372	36	-1.69929822777127	0.0983964560669875	0.0782814098617624	0.235361249062978
CHOL	SMYD2	cg14013804	0.0514909769937227	36	0.300640221211268	0.765519618794011	0.00265132071176808	0.869983167275306
CHOL	SMYD2	cg27570636	0.13859534947027	36	0.816018129410811	0.420170219247186	0.0192086708947862	0.615436761141634
CHOL	SMYD5	cg01329511	0.39540413255975	36	2.51014074302473	0.0169919571202499	0.156344428045328	0.0642215572177389
CHOL	SMYD5	cg05103132	-0.180120632764616	36	-1.06773810550539	0.293161565080962	0.0324434423475257	0.490836148284874
CHOL	SMYD5	cg06754047	-0.00654764051312598	36	-0.0381797952799345	0.969767631510232	4.28715962891287e-05	0.984061878304425
CHOL	SMYD5	cg08834152	-0.192910088184398	36	-1.14638259293337	0.25964108737078	0.0372143021233124	0.454542807816065
CHOL	SMYD5	cg15623359	-0.167452362602277	26	-0.832094726692604	0.413558768922848	0.0280402937410846	0.609153629525783
CHOL	SMYD5	cg17895873	-0.270138797302447	36	-1.63599017157744	0.111066896905614	0.0729749698080126	0.256664038078521
CHOL	SMYD5	cg20402064	-0.23803005557297	36	-1.42901484984918	0.162123788717655	0.0566583073486097	0.332703710191624
CHOL	SMYD5	cg25886337	-0.258296107030337	36	-1.55901614760601	0.12825335787007	0.0667168789070274	0.283414761735542
CHOL	SMYD5	cg26467949	0.354028244141541	36	2.20727651812771	0.0341452893713219	0.125335997649943	0.108738944588644
CHOL	SP100	cg05876232	0.0193506625227798	36	0.112853913250969	0.910810082617522	0.000374448140070514	0.952746161049252
CHOL	SP100	cg09456094	0.045936228328301	36	0.268134987799647	0.790215551136048	0.00211013707302981	0.884696609174189
CHOL	SP100	cg11702456	0.1244298299034	36	0.731227150124814	0.469650256642997	0.0154827825697892	0.658419590290554
CHOL	SP100	cg11827097	0.0454156280596406	36	0.265089868038308	0.792540849598387	0.00206257927205161	0.88626019313369
CHOL	SP100	cg23539753	-0.238418411892398	36	-1.4314867457968	0.161419516848222	0.0568433391292929	0.331681719326217
CHOL	SP100	cg27140170	0.0503682411860324	36	0.294068047664052	0.770493740174746	0.00253695972017433	0.872846712312954
CHOL	SP140L	cg04002454	0.0479400357359969	36	0.279857818399872	0.781282203580809	0.00229824702636866	0.879172666141421

CHOL	SP140L	cg05217331	-0.182668872948552	36	-1.08336151811249	0.28627123438903	0.0333679171442944	0.483559806698031
CHOL	SP140L	cg13278004	-0.122058704875314	36	-0.717080128754245	0.478222303100315	0.0148983274358391	0.665786639596727
CHOL	SP140L	cg24044052	-0.242941881552628	36	-1.46033275914145	0.153378289354785	0.0590207578123311	0.320586545637072
CHOL	SP140L	cg25095994	-0.265243005190212	36	-1.60407459723151	0.117947937658371	0.0703538518023351	0.267573832444747
CHOL	SP140L	cg26847438	0.0346697098276171	36	0.202279015319435	0.840904136923929	0.00120198877953117	0.914786486384754
CHOL	SSRP1	cg01511567	0.33740932795955	36	2.08997798098111	0.044171738647559	0.113845054594115	0.131774983178594
CHOL	SSRP1	cg01766191	-0.404156624978527	36	-2.57641207886079	0.0144985783596918	0.163342577514034	0.0568413246441496
CHOL	SSRP1	cg02688348	-0.0235753163635447	36	-0.137504753197007	0.891442927067832	0.000555795541641217	0.942509562080416
CHOL	SSRP1	cg04937561	-0.342332290343856	36	-2.1244868431556	0.0409814552730034	0.11719139701207	0.124550194612963
CHOL	SSRP1	cg08821673	-0.412127246396262	36	-2.63749839167096	0.0125032088545896	0.169848867222165	0.0507632498112804
CHOL	SSRP1	cg09381635	-0.345936505486592	36	-2.1498769880002	0.0387660968936636	0.119672065828275	0.119654409686783
CHOL	SSRP1	cg11948159	0.305313292547084	36	1.86953369315536	0.0701810829664016	0.0932162066059413	0.184729053232558
CHOL	SSRP1	cg12795368	-0.182236275970583	36	-1.08070765863963	0.287433531360977	0.0332100602796266	0.484940054917055
CHOL	SSRP1	cg12911972	-0.441529335363515	36	-2.86937359180189	0.00702254369521242	0.194948153986547	0.0324798908576311
CHOL	SSRP1	cg16313264	-0.148164454412552	36	-0.873581758142818	0.388474623060032	0.0219527055513691	0.586223518512029
CHOL	SSRP1	cg22636253	-0.469225623954932	36	-3.09828923286831	0.00389018842251077	0.220172686175895	0.0203150512278179
CHOL	SSRP1	cg26706201	-0.2659220785958	36	-1.60849341424208	0.116974878586588	0.070714551884711	0.266061833719951
CHOL	STK31	cg00755064	0.195864493548012	36	1.16463427550681	0.252273905758368	0.0383628998328193	0.446143268193559
CHOL	STK31	cg05000488	-0.833941500094698	36	-8.81153865444075	2.68364110302525e-10	0.695458425580194	9.85234431188044e-09
CHOL	STK31	cg05407490	-0.825490804202446	36	-8.5281084560471	5.82349461547053e-10	0.681435067822802	2.00812473455636e-08
CHOL	STK31	cg11755819	-0.799835533935561	36	-7.77016517309763	4.85269905925878e-09	0.639736881345984	1.40809724213345e-07
CHOL	STK31	cg13313214	0.0236005370342112	36	0.137651936534411	0.891327481836784	0.000556985348303173	0.942488291382577
CHOL	STK31	cg13514718	-0.808237644134383	36	-8.00330008716432	2.50953768549848e-09	0.653248089395898	7.71038604682736e-08
CHOL	STK31	cg13802883	-0.639674141054007	36	-4.85256949872301	2.66522227730157e-05	0.409183006733181	0.000307304434326957
CHOL	STK31	cg14898779	-0.840805867291926	36	-9.05665175327085	1.38463604134088e-10	0.706954506472527	5.37238784040259e-09
CHOL	STK31	cg17102984	-0.354940801074613	36	-2.21378498137171	0.0336536578299188	0.125982972267488	0.10752164347832
CHOL	STK31	cg17331904	0.153872849262289	36	0.908039333944291	0.370248973350265	0.0236768537400952	0.568930368558848
CHOL	STK31	cg21519371	-0.0708300126458107	36	-0.41404631492992	0.681440634108379	0.0050168906914057	0.816222095981819
CHOL	STK31	cg25570411	0.168048553756197	36	0.99401925978684	0.327235522356859	0.0282403164195493	0.526737147960119
CHOL	STK31	cg25612145	-0.843089713331388	36	-9.1414334813996	1.10335090042688e-10	0.710800264725201	4.38152526532969e-09
CHOL	SUV39H	cg05903800	0.125587045401461	36	0.738136136120374	0.465496368634251	0.0157721059726687	0.654757162098692
CHOL	SUZ12	cg00160853	-0.402108021672387	36	-2.56082614499236	0.0150526750217605	0.161690861093281	0.0585382259081394
CHOL	SUZ12	cg01109633	-0.0461679171878756	36	-0.26949026350655	0.789181268270696	0.00213147657746654	0.883982733334658
CHOL	SUZ12	cg07482957	0.0107377493973719	36	0.0626149100254973	0.950439817364716	0.000115299262120761	0.973799705223446
CHOL	SUZ12	cg08177746	-0.0214821582323169	36	-0.125290344275835	0.90103160000345	0.000461483122318303	0.94784255044716
CHOL	SUZ12	cg17335595	0.0571369654095692	36	0.333708059163663	0.740649337105358	0.00326463281621431	0.854104282823391
CHOL	SUZ12	cg25098644	-0.152092731726097	36	-0.897284201936502	0.375877253910807	0.0231321990439065	0.574394577896378
CHOL	TAF3	cg00194465	-0.0239980022612541	36	-0.139971507645844	0.889508414456722	0.000575904112531158	0.941467059185646
CHOL	TAF3	cg02334915	-0.0119552271364117	36	-0.0697153366202487	0.944828663755398	0.000142927455883196	0.970477185404783
CHOL	TAF3	cg03672997	0.0422916582175469	36	0.246821453902335	0.806530662629426	0.0017885843547898	0.895130504838216
CHOL	TAF3	cg04179819	0.0652925532682157	36	0.381531863388378	0.705182687370724	0.00426311751228279	0.831751197484962
CHOL	TAF3	cg04234156	-0.206817644337043	36	-1.23259300207576	0.22618307596636	0.042773380091238	0.415678861604702
CHOL	TAF3	cg05976695	0.0825651097223353	36	0.483082585132871	0.632133388217772	0.00681699734346127	0.783110147191116
CHOL	TAF3	cg07855525	-0.149197548039602	36	-0.87981109134369	0.385138098426857	0.0222599083410295	0.583236324560918
CHOL	TAF3	cg09871669	-0.0526122626578332	36	-0.307205046767065	0.760561121871148	0.00276805018197683	0.866777397267021
CHOL	TAF3	cg09994553	-0.703748124365124	10	-2.801747507101	0.0231354354878172	0.49526142254743	0.0813063818367931
CHOL	TAF3	cg11104088	-0.0221345179623164	36	-0.129096938004191	0.898041622498652	0.000489936885424106	0.946027651130161
CHOL	TAF3	cg12176426	0.0673499034201832	36	0.393607765877653	0.696328242168629	0.004536009490708	0.825905573382327
CHOL	TAF3	cg12590721	0.0295378123241503	36	0.172308747314957	0.864216399469091	0.000872482356896724	0.927885207302341
CHOL	TAF3	cg12777293	0.00269449593432649	36	0.0157115332093053	0.987556362403213	7.26030834010197e-06	0.993379188197206
CHOL	TAF3	cg27268107	0.0861583675885684	36	0.504260412258435	0.617330754639243	0.00742326430552687	0.772646707098354
CHOL	TCEA1	cg01677098	-0.258576871156901	36	-1.5608321298595	0.127824312933718	0.0668619982972924	0.282731926881968
CHOL	TCEA1	cg06047473	-0.247629356479943	36	-1.49033147706315	0.14535664083955	0.0613202981906708	0.309203317313499
CHOL	TCEA1	cg11530293	-0.199754115733393	36	-1.18871391340976	0.242788827464484	0.0399017067524298	0.435296474850705
CHOL	TCEA1	cg11787876	-0.0635617235941536	36	-0.371376309241303	0.712661563075527	0.00404009270625958	0.836505756872285
CHOL	TCEA1	cg12850379	-0.31785572387984	36	-1.95477799621717	0.0588715823404051	0.101032261203177	0.162377446431111
CHOL	TCEA1	cg23569945	-0.223754417307283	36	-1.33864176050936	0.189570082181705	0.0500660392645216	0.369507528582185

CHOL	TCEA1	cg26181865	-0.272069424565983	36	-1.64861333666951	0.108438237771923	0.0740217717836653	0.252411485869034
CHOL	TCEA1	cg26358945	-0.242501572393061	36	-1.45752051441455	0.154147977276998	0.0588070126131068	0.321596416815
CHOL	TDRD1	cg00337703	-0.448207325855339	36	-2.92358061807071	0.00611696348381674	0.200889806950394	0.0291315002914013
CHOL	TDRD1	cg02635786	-0.807822130026204	28	-6.98832160859981	2.02398779489087e-07	0.652576593760074	4.09929983118304e-06
CHOL	TDRD1	cg16550453	-0.968720902537975	36	-22.7624469431269	3.68530119556993e-22	0.938420187013989	5.8748836313149e-20
CHOL	TDRD1	cg23504215	-0.843318455360349	36	-9.15001814543757	1.07832608082957e-10	0.711186017151366	4.29310640389228e-09
CHOL	TDRD1	cg23825092	-0.922970655299637	36	-13.9834045349835	1.16529540189751e-15	0.851874830544242	9.82155910024e-14
CHOL	TDRD1	cg24203376	-0.877891284763793	36	-10.6898507573728	2.05653231651853e-12	0.770693107864223	1.11566161109653e-10
CHOL	TDRD1	cg26600802	-0.926043340275539	36	-14.3070172126501	5.97489992893299e-16	0.857556268068678	5.19923227149231e-14
CHOL	TDRD1	cg27547703	-0.909695022138366	35	-12.5838906258507	3.82909446891238e-14	0.827545033303322	2.67982133496709e-12
CHOL	TDRD3	cg01557749	-0.392272834276507	36	-2.48663013348457	0.0179670687991179	0.153877976511324	0.0670534972491523
CHOL	TDRD3	cg03447530	-0.240991344036684	36	-1.44788197594709	0.156809244640389	0.0580768279006075	0.32540595330651
CHOL	TDRD3	cg05666423	-0.369361921670005	36	-2.317620698753	0.0266219243726711	0.136428229179759	0.0903076782212348
CHOL	TDRD3	cg10765900	-0.129455826240898	36	-0.761256524321983	0.451751851386826	0.0167588109477137	0.642361241578993
CHOL	TDRD3	cg18522102	-0.0582484079050555	36	-0.340221319388792	0.735782957298356	0.00339287702347374	0.851001765378241
CHOL	TDRD3	cg19937698	-0.338623725051352	36	-2.09847247252232	0.0433667530251724	0.114666027167653	0.129966607012877
CHOL	TDRD3	cg20944895	-0.56284046467847	36	-3.97052074951633	0.000352345346117931	0.316789388679476	0.00279526349744018
CHOL	TDRD3	cg22045829	-0.00289223723486788	36	-0.0168645667214983	0.986643238353309	8.3650362227562e-06	0.993007258731262
CHOL	TDRD3	cg23103367	-0.17771487786805	36	-1.0530086748206	0.299763339801807	0.031582577815656	0.498030694868908
CHOL	TDRD3	cg23767211	-0.237541775684761	36	-1.42590796941865	0.163012407884783	0.0564260951954692	0.333790989128995
CHOL	TDRD3	cg26737458	-0.413740694442331	36	-2.64995160888033	0.0121289327558326	0.171181362237623	0.0495748539277699
CHOL	TDRD5	cg05378938	-0.387793863353556	36	-2.45317805002102	0.0194428633413695	0.150384080454677	0.071238607327548
CHOL	TDRD5	cg07171496	-0.540358380951128	36	-3.74455996277771	0.000668960819629889	0.291987179864124	0.00479686035600402
CHOL	TDRD5	cg07901138	-0.552333124262443	36	-3.86340826960801	0.000478129712402468	0.305071880157511	0.00360562454891795
CHOL	TDRD5	cg09656934	0.228882319654262	36	1.37099612218905	0.179358697459284	0.052387116250316	0.356199083788101
CHOL	TDRD5	cg11853788	0.093069938813493	36	0.545052094581678	0.589275511063627	0.00866201351074734	0.752558468483687
CHOL	TDRD5	cg12277666	-0.43906854537422	36	-2.84954911417237	0.00738406054591004	0.192781187537033	0.033766494598432
CHOL	TDRD5	cg13848905	-0.463792134462473	36	-3.05250611668572	0.0043848591582533	0.215103143989257	0.0223436805129793
CHOL	TDRD5	cg15545772	-0.399977987691874	36	-2.54466932435257	0.0156475719970819	0.159982390638041	0.0603065254367596
CHOL	TDRD7	cg24339935	-0.292439200926919	36	-1.78315092890686	0.0834919750181672	0.0855206862387746	0.20919110775108
CHOL	TDRD9	cg07613153	-0.399165292374687	36	-2.5385177992156	0.0158796948103473	0.15933293063657	0.0609565270934649
CHOL	TDRD9	cg08933517	-0.176617279195933	36	-1.04629503217717	0.302806529389394	0.0311936633105742	0.5011708007429
CHOL	TDRD9	cg16701547	-0.181238899662034	36	-1.07459150910703	0.29012484381593	0.032847538750705	0.487672524358084
CHOL	TRIM24	cg00733782	0.141237125917759	36	0.831885881786179	0.411278206672462	0.0199479257375088	0.607091491931819
CHOL	TRIM24	cg02308366	0.271272604566065	36	1.64340083523971	0.109517396380086	0.0735888259880565	0.254162952596653
CHOL	TRIM24	cg06386929	0.170518054850909	36	1.0090607214539	0.320073124444437	0.0290764070301375	0.519470273987244
CHOL	TRIM24	cg06650216	0.198415143992621	36	1.1804181511872	0.246026565711153	0.0393685693656126	0.439047339089612
CHOL	TRIM24	cg10571650	-0.266842919554978	36	-1.61448956137008	0.115665017375346	0.0712051437166244	0.263924647210354
CHOL	TRIM24	cg10703331	0.00150247526265322	36	0.00876087086826629	0.993061130180214	2.25743191488485e-06	0.996429783715412
CHOL	TRIM24	cg13935558	-0.0822652502719946	36	-0.481316152568316	0.633375171614956	0.00676757140231391	0.784049202797625
CHOL	TRIM24	cg26889928	0.224049315154439	36	1.34049920657765	0.188971987350567	0.0501980956211733	0.368711263423289
CHOL	TRIM33	cg00760200	-0.112614908352068	36	-0.660856011173673	0.513157949513654	0.0126821175831448	0.694839425695181
CHOL	TRIM33	cg02852257	0.0564302354056745	36	0.329567138563609	0.743748885618259	0.00318437146793984	0.85604766719286
CHOL	TRIM33	cg05792124	0.112698425214525	36	0.661352414098418	0.512843532057991	0.0127009350458338	0.694640966193445
CHOL	TRIM33	cg16036305	-0.0638883319429499	36	-0.37329240653977	0.711248249479569	0.00408171895845255	0.835586189857948
CHOL	TRIM33	cg17645130	0.0628010454827528	36	0.366914139400982	0.715956850303877	0.00394397131372678	0.83852542773164
CHOL	TRIM33	cg18199720	0.212659935661401	36	1.26903747255607	0.213046745781857	0.0452242482355111	0.399435050282066
CHOL	TRIM33	cg20932765	-0.156360208685864	36	-0.923082680903724	0.362468858234948	0.0244485148602869	0.561406306413332
CHOL	TRIM33	cg20992663	-0.142791272299325	36	-0.841229264132894	0.406097324888657	0.02038934744486	0.602428162933357
CHOL	TRIM33	cg21666217	0.140442481936864	36	0.827110986251377	0.413941629452574	0.0197240907325863	0.609520274107237
CHOL	TRIM33	cg21813112	-0.458855388515851	36	-3.01128945702418	0.00488058678107041	0.210548267570033	0.0243119912945246
CHOL	TRIM66	cg06492264	-0.243252153313301	36	-1.46231503391621	0.152837593802555	0.0591716100915578	0.319877529520472
CHOL	TRIM66	cg11245569	-0.471065373726158	16	-1.99815058261588	0.0655084039312786	0.221902586323765	0.175572272287945
CHOL	TRIM66	cg12608775	-0.376369681655316	36	-2.36877020170982	0.0236706475805746	0.141654137269324	0.0827484615428499
CHOL	TRIM66	cg13143389	-0.207425137047054	36	-1.23637606952037	0.224792002259605	0.0430251874789891	0.414125873835564
CHOL	TRIM66	cg27044202	-0.332857183276701	36	-2.05824077079	0.0472970124528138	0.1107939044589	0.138548171357992
CHOL	UBE2A	cg00142683	0.10712713757782	36	0.628268664632094	0.534025844901773	0.0114762236056171	0.710943896265741

CHOL	UBE2A	cg00428314	0.151097020472259	36	0.891272209495713	0.379047317593252	0.0228303095955943	0.57761076227399
CHOL	UBE2A	cg00935924	-0.0136444836844517	36	-0.0795677349783916	0.93704754470226	0.000186171935015269	0.966376475714444
CHOL	UBE2A	cg05206294	0.107867063034148	36	0.632659014280849	0.53118851303056	0.0116353032876128	0.708913540387013
CHOL	UBE2A	cg06206449	0.123996799898278	36	0.728642588655568	0.471209656805635	0.0153752063850135	0.65956464862963
CHOL	UBE2A	cg06273903	0.131713119188825	36	0.774762690095571	0.443834869260633	0.0173483457664497	0.635915902078637
CHOL	UBE2A	cg09080960	0.1109506638501	36	0.650967109594425	0.519443290741243	0.0123100498087779	0.700035883238185
CHOL	UBE2A	cg14625604	0.10344646579509	36	0.606444928918739	0.548247485935109	0.0107011712854948	0.721420245616303
CHOL	UBE2A	cg15661671	0.0964341320922718	36	0.564935742659258	0.575826329570276	0.00929954183238972	0.742538016884201
CHOL	UBE2A	cg16211147	0.0867066408340454	36	0.507493529434634	0.615084919919868	0.00751804156472415	0.770994531039068
CHOL	UBE2A	cg17976175	0.0425966821969384	36	0.248604851108128	0.805162016657525	0.00181447733418697	0.894185126466552
CHOL	UBE2A	cg18990292	0.132202413981935	36	0.777691919925614	0.4421288087329	0.017477478262651	0.634511428410718
CHOL	UBE2A	cg25165659	0.119390823295404	36	0.701177434369223	0.487963937421363	0.0142541686871543	0.674137214486903
CHOL	UHRF2	cg06523306	-0.0189892206586456	36	-0.110745200815187	0.912469558666187	0.000360590501222733	0.953569361600158
CHOL	UHRF2	cg08487038	-0.0907378967869948	36	-0.531279942739855	0.598678810518185	0.00823336591332731	0.75910516080956
CHOL	UHRF2	cg13428749	-0.128768229060325	36	-0.757144794360118	0.454178516293032	0.0165812568153324	0.644468909537796
CHOL	UHRF2	cg14078101	-0.291521833713305	36	-1.7770368507415	0.0845102136702121	0.084984979531568	0.211130336949179
CHOL	UHRF2	cg20595300	0.0126126810068552	36	0.0735497865884885	0.941799637298108	0.000159079722180687	0.968952323431759
CHOL	UHRF2	cg24119045	-0.185603765370089	36	-1.10138352955241	0.278465964354935	0.0344487577195549	0.475388558691826
CHOL	USP27X	cg00478198	-0.0841855989715345	36	-0.492630972700459	0.625439795394014	0.00708721507419603	0.778322791329578
CHOL	USP27X	cg01125381	-0.234496622844369	36	-1.4065576672115	0.16863352576543	0.0549886661254142	0.341828039590283
CHOL	USP27X	cg01290688	-0.346804676063235	36	-2.15600896190505	0.0382472580873121	0.120273483339326	0.118433594540634
CHOL	USP27X	cg01855997	-0.126850981149236	36	-0.745685778551848	0.460981779031985	0.0160911714185238	0.650621682505384
CHOL	USP27X	cg06455206	-0.204276114675448	36	-1.21678210468034	0.232066377926291	0.0417287310268968	0.422696600430763
CHOL	USP27X	cg06624970	-0.104258323582754	36	-0.611256463688664	0.545095275638108	0.0108697980362863	0.719109055147467
CHOL	USP27X	cg16810342	-0.14185277975412	36	-0.835586380067831	0.409221405237332	0.020122211123971	0.60522756652154
CHOL	USP27X	cg16867483	-0.109168578992314	36	-0.640384148550557	0.526215483672459	0.0119177786392011	0.70494713678181
CHOL	USP27X	cg19318186	-0.219948606727477	36	-1.31470494867206	0.197408586847333	0.0483773896013585	0.379719204988087
CHOL	USP51	cg00834229	-0.081888633009691	36	-0.479097736228377	0.634936224256645	0.00670574821619586	0.784949507983908
CHOL	USP51	cg01084827	0.222751260530197	34	1.29254623425528	0.205423628031008	0.0496181240677916	0.389675063006495
CHOL	USP51	cg02714202	-0.0511774485609358	36	-0.298804801710872	0.766907742250425	0.00261913124120723	0.870795628576031
CHOL	USP51	cg03728850	-0.119629745907066	36	-0.702600969379027	0.48708737696291	0.0143112761057893	0.673406601633844
CHOL	USP51	cg07386410	0.250532651559332	36	1.5089676076107	0.14054468037931	0.0627666094973498	0.30212309998696
CHOL	USP51	cg12064531	0.0128739774859976	36	0.0750737650104669	0.940596011059162	0.000165739296309973	0.968318554824381
CHOL	USP51	cg12517811	0.205252752576341	36	1.22285472597901	0.229793441299132	0.0421286924401646	0.419873895444022
CHOL	USP51	cg18770944	0.221254274083076	36	1.32290982257997	0.194694302324694	0.048953453800029	0.376152200856104
CHOL	USP51	cg21331369	-0.0792684580587888	36	-0.463669592538654	0.645839306782769	0.00628348844301795	0.792367257000043
CHOL	USP51	cg25424556	0.224589111305923	36	1.34390017590097	0.187880648251828	0.0504402689171842	0.367309689136076
CHOL	WDR82	cg01736403	0.0537428990737698	36	0.313825798315908	0.755570770306689	0.0028882992008534	0.863645844124048
CHOL	WDR82	cg03869063	-0.192048057591428	36	-1.14106328222176	0.261817204271232	0.0368824564246406	0.457162820654999
CHOL	WDR82	cg10989431	0.208148650999733	36	1.2408835920109	0.223142886926549	0.0433258609130086	0.411891748619384
CHOL	WDR82	cg11442381	-0.345633514121479	36	-2.147738408234	0.0389485099484934	0.119462526083963	0.120122121112159
CHOL	WDR82	cg11665333	-0.240660450918129	36	-1.44577165333989	0.157396747753334	0.057917452636117	0.326068454269357
CHOL	WDR82	cg12661343	-0.337424340525768	36	-2.09008291918343	0.0441617142910769	0.113855185579249	0.131755183185428
CHOL	WDR82	cg13539115	-0.256291774934896	36	-1.54606438810727	0.131347353950752	0.0656854738992795	0.288148559071791
CHOL	WDR82	cg15991175	-0.0163280005055639	36	-0.0952204793943943	0.924698707974331	0.000266603600509697	0.960260719610149
CHOL	WDR82	cg17632831	-0.129959088852916	36	-0.76426666820037	0.449980187401945	0.0168893647754801	0.641001972107211
CHOL	WDR82	cg24007312	-0.364658821756023	36	-2.28355058952482	0.0287678744793924	0.132976056284491	0.0956787486611988
CHOL	WDR82	cg26236504	0.293617064616546	36	1.79100906333968	0.0821985389472831	0.0862109806340372	0.207010460953867
CHOL	WDR82	cg26858096	-0.368784768366514	36	-2.31342868889058	0.0268779409623305	0.136002205379143	0.0909540449442577
CHOL	ZMYND1	cg00614684	-0.182014653218184	36	-1.07934831763708	0.288030161423642	0.0331293339861357	0.485546900792902
CHOL	ZMYND1	cg02813021	-0.0952483662294286	36	-0.557925226712028	0.580550900028598	0.00907225126937534	0.746354057324576
CHOL	ZMYND1	cg02867818	-0.364220425066573	36	-2.28038510612153	0.0289749518063641	0.132656518035675	0.0962417232750221
CHOL	ZMYND1	cg03254875	-0.131761062299861	36	-0.775049682546396	0.443667543955776	0.0173609775383878	0.635788384047726
CHOL	ZMYND1	cg05236965	-0.0241366842533513	36	-0.140780858779752	0.888873842929815	0.000582579526745974	0.941044972270409
CHOL	ZMYND1	cg08828193	-0.304735267119618	36	-1.86563154192864	0.0707406416100154	0.0928635830264648	0.185780753271539
CHOL	ZMYND1	cg12639781	0.0396734973983871	36	0.231516528515732	0.818301260174378	0.00157398639581983	0.902297996286506
CHOL	ZMYND1	cg13939078	-0.448187727788879	36	-2.92342064918544	0.00611946661132012	0.200872239340559	0.0291362865267787

CHOL	ZMYND1	cg14255089	0.124716118758499	36	0.732936112561541	0.468620789408628	0.0155541102781841	0.657573695729704
CHOL	ZMYND1	cg14694828	0.0639464298274539	36	0.373633259169938	0.710996944947377	0.00408914588767748	0.835486468375164
CHOL	ZMYND1	cg17632565	-0.296840031465995	36	-1.81255692316695	0.0787385863124126	0.0881140042807329	0.200615386093336
CHOL	ZMYND1	cg22593633	-0.104389736702861	36	-0.612035409091385	0.544585845679659	0.0108972171288926	0.718741708720199
CHOL	ZMYND1	cg24757747	-0.365630278646264	36	-2.29057132901377	0.0283133384451102	0.133685500662944	0.0945949838741211
DLBC	ACTL6A	cg03667091	-0.00794238384934036	48	-0.0538695672311749	0.957272363598649	6.30814612102626e-05	0.977547775816274
DLBC	ACTL6A	cg03839554	-0.215075674001421	48	-1.49366997418523	0.142090098669335	0.0462575455471655	0.304393818799424
DLBC	ACTL6A	cg07261848	0.0447019003455608	48	0.303486413011007	0.762887643613095	0.00199825989450445	0.868106214396798
DLBC	ACTL6A	cg10112003	0.183394562779176	48	1.2653027535293	0.212134797141226	0.033633565656965	0.398342524278281
DLBC	ACTL6A	cg20132173	-0.0504840899226842	48	-0.342836919990026	0.733282939443957	0.00254864333532166	0.849503551564433
DLBC	ACTL6A	cg22619386	0.132417018965138	48	0.906074726366297	0.369618069213949	0.0175342669116137	0.568340839175973
DLBC	ACTL6A	cg25198545	-0.0719744781351401	48	-0.4894239949021	0.626867376153788	0.00518032550282576	0.779403868697083
DLBC	ACTL6A	cg25575835	-0.102479358062688	48	-0.698727531646505	0.488240122682184	0.0105020188289407	0.674315197044718
DLBC	ACTL6B	cg05729836	-0.0386444822695339	48	-0.262295559527149	0.794264688076581	0.00149339600988032	0.887352650959022
DLBC	ACTL6B	cg08572611	0.111074518893617	48	0.758034697576505	0.452296419035968	0.0123375487474485	0.642712666176234
DLBC	ACTL6B	cg09375063	-0.121743921828657	48	-0.831895469602492	0.409765859952184	0.0148215825022221	0.605687351493828
DLBC	ACTL6B	cg14088161	-0.122553474971192	48	-0.837511342454911	0.406635645290171	0.0150193542275145	0.602870357327786
DLBC	ACTL6B	cg16024950	0.04004611583887	48	0.271824020538509	0.786973646119719	0.0016036913937802	0.882616743933992
DLBC	ACTL6B	cg20497359	0.0719200775802478	48	0.489052148885432	0.627128577756816	0.00517249755914886	0.779554201268935
DLBC	ACTL6B	cg24471254	-0.00287012928339159	48	-0.0194662440723336	0.984553357620835	8.23764210338193e-06	0.99189844047809
DLBC	ACTL6B	cg26990587	0.0836348794450773	48	0.569233679993029	0.571966806199555	0.00699479305979261	0.739669953479091
DLBC	AEBP2	cg02664216	-0.57578579916938	48	-4.7763778186023	1.85412626063979e-05	0.331529286525122	0.000224497896218229
DLBC	AEBP2	cg07849438	-0.344674043249418	48	-2.49029214474526	0.0164376895819653	0.118800196089901	0.0625919541526876
DLBC	AEBP2	cg08161947	-0.645438649351705	48	-5.7312234342832	7.30865776006321e-07	0.416591050076953	1.29279154567157e-05
DLBC	AEBP2	cg24304000	0.0326327000333871	48	0.221443678196811	0.825727091153529	0.00106489311146902	0.906304066305777
DLBC	AEBP2	cg26259627	-0.475374119213401	48	-3.66470071981357	0.000639051655715422	0.225980553217917	0.00461514895142272
DLBC	AFF4	cg00931577	-0.162641837515924	48	-1.11797627055385	0.269381945588533	0.0264523673105562	0.465353213197136
DLBC	AFF4	cg01907658	-0.500542670936379	48	-3.92144973295741	0.000291110932887953	0.250542965428124	0.00238436343578494
DLBC	AFF4	cg05619425	-0.211191608087624	48	-1.4654242878054	0.149607535052033	0.0446018953266368	0.315083742849318
DLBC	AFF4	cg06638012	-0.372274896760206	48	-2.72042877509318	0.00917127336660146	0.138588598757822	0.0399010145003856
DLBC	AFF4	cg13393914	-0.221394698941234	48	-1.53978271568718	0.130464767040304	0.0490156127192796	0.286891104023305
DLBC	AFF4	cg13565585	-0.10752471027714	48	-0.733520717105781	0.466963032954222	0.0115615633201828	0.656099099979281
DLBC	AICDA	cg07999668	-0.166210749701105	48	-1.14319774280796	0.258871396992804	0.0276260133162033	0.453573005803112
DLBC	AIRE	cg08089567	-0.0771096552867246	48	-0.524544897507772	0.602418413063425	0.00594589893843749	0.761752511717046
DLBC	AIRE	cg09510531	-0.190678821949911	48	-1.31741804835551	0.194223003954724	0.0363584131402059	0.37551882837816
DLBC	AIRE	cg11923631	-0.195766777898075	48	-1.35395322924923	0.182366157847162	0.0383246313285943	0.360079002966445
DLBC	AIRE	cg12843033	0.21592857348913	48	1.49988231937804	0.14047758936822	0.0466251488490506	0.302012258872773
DLBC	AIRE	cg15955655	0.178549944623591	48	1.23076194134763	0.224668210669864	0.0318800827250873	0.413950991920123
DLBC	AIRE	cg16501323	0.112119046907853	48	0.765253463610522	0.448029234463344	0.0125706806795253	0.639487339116807
DLBC	AIRE	cg16717549	-0.0964933918806594	48	-0.657518251568385	0.51412460544295	0.0093109746766345	0.695691813597765
DLBC	AIRE	cg17356252	-0.0234146077798341	48	-0.158849146392499	0.874483097619911	0.00054824385748347	0.933523436882924
DLBC	AIRE	cg18689454	-0.0728906311341638	48	-0.495686869851727	0.622475328322193	0.00531304410713674	0.776372494033084
DLBC	AIRE	cg18876487	0.120719855834302	48	0.824793933026095	0.413745287031921	0.0145732835926546	0.609345078886526
DLBC	AIRE	cg23272544	0.267435631042556	48	1.88240181503397	0.0661156951776	0.0715218167511303	0.176743218124677
DLBC	AIRE	cg27251412	-0.166156867074957	48	-1.14281661409085	0.259028010392171	0.0276081044761649	0.453765651244112
DLBC	ARID1A	cg04081153	-0.567969258668103	48	-4.68034264829921	2.54768503435666e-05	0.322589078791994	0.000296033770818136
DLBC	ARID1A	cg04360147	0.0187654860551238	48	0.127296133944067	0.899260866998159	0.000352143466885045	0.946826125537184
DLBC	ARID1A	cg14851949	-0.459524558759111	48	-3.5090855531053	0.00101753643352951	0.211162820102756	0.0068116538430423
DLBC	ARID1A	cg17385674	-0.600146010352043	48	-5.08868204551742	6.5237569721495e-06	0.360175233741474	8.98723481302282e-05
DLBC	ARID1A	cg20413923	-0.558754013627509	48	-4.56951802951415	3.6678654179868e-05	0.31220604774485	0.000405828363428907
DLBC	ARID1A	cg21294655	-0.304666060998099	48	-2.16948472743201	0.0352486736508976	0.0928214087240975	0.111432677096795
DLBC	ARID1A	cg24542126	-0.453896227993161	48	-3.45486591170234	0.00119396172727797	0.20602178578642	0.00778501874208888
DLBC	ARID1A	cg25601319	-0.412075263576049	48	-3.06736651129329	0.0036118714267664	0.16980602285127	0.0190923371457407
DLBC	ARID2	cg00035453	0.21571578911886	48	1.49833210514683	0.140878603966773	0.0465333016751725	0.302648572765689
DLBC	ARID2	cg01183821	-0.120551805627057	48	-0.823628819981217	0.414400420600609	0.0145327378399438	0.609976468187996
DLBC	ARID2	cg01353809	-0.258544620752214	48	-1.81525483892803	0.0760072619844533	0.0668453209199061	0.195778721237619
DLBC	ARID2	cg01751433	-0.137383271551118	48	-0.940698418234462	0.351773386285567	0.0188741633020882	0.550686045468613

DLBC	ARID2	cg06613666	-0.243499810494997	48	-1.70274714633664	0.0953644952942077	0.0592921577110995	0.230182610825864
DLBC	ARID2	cg07276957	-0.404376725188054	48	-2.99873041808296	0.00436350686618029	0.163520535873815	0.0222651615602538
DLBC	ARID2	cg23465749	-0.0440413451104195	48	-0.298993045632533	0.766292022557688	0.00193964007913507	0.870426819730062
DLBC	ARID4A	cg02136725	-0.343942061718823	48	-2.48429311357227	0.0166830652786835	0.118296141819394	0.0633109969057911
DLBC	ARID4A	cg06154646	-0.311752719018026	48	-2.22531208826534	0.0310035215558994	0.0971897578151323	0.101127377606693
DLBC	ARID4A	cg08066755	-0.51941065796708	48	-4.12254230292872	0.000154951102339265	0.269787431609795	0.0014005188864158
DLBC	ARID4A	cg08790491	-0.352539823472269	48	-2.55508608811263	0.0139886389481901	0.124284327133859	0.055318022682936
DLBC	ARID4A	cg10064886	-0.0992962609477066	48	-0.676804835421458	0.501919206070003	0.00985974743819505	0.685648358449986
DLBC	ARID4A	cg10242170	-0.0406886070106667	48	-0.276192280829643	0.783637509901864	0.00165556274046848	0.880614642404162
DLBC	ARID4A	cg10844118	0.193398313747227	48	1.33693202404876	0.187819304212585	0.0374029077602708	0.36721744582457
DLBC	ARID4A	cg12203852	-0.266054979910429	48	-1.87194145121593	0.067580628532052	0.0707852523351389	0.179689910999469
DLBC	ARID4A	cg14272338	-0.20365676969694	48	-1.41083520799493	0.165020629780187	0.0414760798433923	0.336883377676538
DLBC	ARID4A	cg14460816	-0.0731947122077826	48	-0.497765863719298	0.621020417506231	0.00535746589518012	0.775393418924016
DLBC	ARID4A	cg17323045	-0.441526591868788	48	-3.33751481575412	0.00168084337338727	0.194945731327268	0.0103195903550856
DLBC	ARID4A	cg19548283	0.416559821410203	48	3.10771130621951	0.00322866871645348	0.1735220848133	0.0174863888412348
DLBC	ARID4A	cg20996579	-0.155404530118028	48	-1.0669674818154	0.291554460030232	0.0241505679812052	0.489168223738948
DLBC	ARID4A	cg26429530	-0.184223104063818	48	-1.27121949937831	0.210041217200416	0.0339381520709083	0.395630658265452
DLBC	ARID4A	cg27026909	0.209075620557217	48	1.45006709283454	0.153824388651431	0.0437126151113853	0.321155321269098
DLBC	ARID4B	cg05652840	0.0216627136428346	48	0.146958158061729	0.883807253148069	0.000469273162371451	0.938431062699232
DLBC	ARID4B	cg06212607	0.32066619795554	48	2.29611668735664	0.0262750387284539	0.102826810511262	0.0894312467987187
DLBC	ARID4B	cg06891548	0.0286951036148527	48	0.194699836919798	0.846485312470366	0.000823408971467132	0.917965285177309
DLBC	ARID4B	cg07814876	-0.112867164690387	48	-0.770425306590604	0.444986612210092	0.0127389968652469	0.636897475949293
DLBC	ARID4B	cg10107779	0.0883122386525331	48	0.601312166146817	0.550584046204453	0.00779905149582196	0.723137129044406
DLBC	ARID4B	cg11732257	-0.286041294889528	48	-2.02462058248006	0.0487342807304633	0.0818196223820779	0.14155905590119
DLBC	ARID4B	cg22596515	-0.0511529356107267	48	-0.347390882072939	0.729882164281904	0.00261662282159515	0.847305046605083
DLBC	ARID4B	cg23687319	-0.188604777640647	48	-1.30255672910739	0.199209900231868	0.0355717621488778	0.381952358126828
DLBC	ARID4B	cg26020585	0.12420805753923	48	0.848994479666526	0.40028113517046	0.0154276415576687	0.59682741982656
DLBC	ASH1L	cg03119126	-0.372149245657623	48	-2.71936293040003	0.00919669933901709	0.138495061043537	0.0399780972496366
DLBC	ASH1L	cg08095278	-0.142084747708615	48	-0.97354272554658	0.335375497903629	0.0201880755314208	0.534920274816806
DLBC	ASH1L	cg09410084	-0.113157346223827	48	-0.772431728879452	0.443809507623547	0.012804585004419	0.635915902078637
DLBC	ASH1L	cg10558228	0.0151382550800051	48	0.10268440792237	0.9186597936302	0.000229166766867301	0.957068512771424
DLBC	ASH1L	cg17038116	0.0774335917221544	48	0.526761766737901	0.600890147832021	0.00599596112699329	0.760824657850589
DLBC	ASH1L	cg20064047	-0.572438406563706	48	-4.73501670040948	2.12652682872735e-05	0.327685729309195	0.000252527901257847
DLBC	ASH1L	cg21852905	-0.542190964515052	48	-4.37642947842746	6.87660334276924e-05	0.293971042001762	0.000699018006595309
DLBC	ASH1L	cg23821590	-0.601870012759454	48	-5.11158445786744	6.03908268592479e-06	0.362247512259066	8.4003745507183e-05
DLBC	ASH1L	cg24312492	-0.544248004539516	48	-4.4000274478128	6.371643596755e-05	0.296205890445245	0.000656002702443037
DLBC	ASH1L	cg26185843	-0.334455962644491	48	-2.40700690987938	0.0201548692169509	0.111860790948453	0.0732618505785609
DLBC	ASH2L	cg00590869	-0.0707428516765311	48	-0.481006484436933	0.632791998378763	0.00500455106332768	0.783604008694202
DLBC	ASH2L	cg01642070	-0.0573797582207692	48	-0.389810697190474	0.698475605524338	0.00329243665347392	0.827084419418615
DLBC	ASH2L	cg02897270	0.0491015441719115	48	0.333425055320477	0.740328555023954	0.00241096164006617	0.853863893395604
DLBC	ASH2L	cg03189282	0.113401269844448	48	0.774118461743987	0.442821377211216	0.0128598480023333	0.635128558012072
DLBC	ASH2L	cg03705346	-0.102943525962964	48	-0.701926154350507	0.486261777314962	0.0105973695376874	0.672762961107855
DLBC	ASH2L	cg10062221	0.0200827089741276	48	0.136235034818356	0.892229961786952	0.000403315199739507	0.942905976488584
DLBC	ASH2L	cg21453287	0.0227168622883428	48	0.154113026815534	0.878194781004012	0.000516055832227531	0.935341586142388
DLBC	ASH2L	cg24318412	-0.147298532748673	48	-1.01004474261989	0.317757492001563	0.021696857749912	0.517038827290725
DLBC	ASH2L	cg27255459	0.0685693752983932	48	0.466157300884026	0.643302897635695	0.00470175922881189	0.790651946705498
DLBC	ASXL1	cg00174466	-0.297349416557005	48	-2.1122621674504	0.0401236160597177	0.088416675526791	0.122744529576262
DLBC	ASXL1	cg04218270	-0.472163307277497	48	-3.63281571009027	0.000703472104700033	0.222938188739224	0.00500831965892142
DLBC	ASXL1	cg09065199	-0.312278869690185	48	-2.22947323254241	0.0307060430808518	0.0975180924549794	0.100409664372921
DLBC	ASXL1	cg10421984	-0.158550428783633	48	-1.08911770682977	0.281775022094923	0.025138238467474	0.478889960067204
DLBC	ASXL1	cg12592359	-0.34248532006258	48	-2.47236950058483	0.0171806564351006	0.117296194458368	0.064802520567865
DLBC	ASXL1	cg16926526	0.138286014368943	48	0.946999838222445	0.348587306551402	0.0191230217700475	0.547756080968339
DLBC	ASXL1	cg18793288	-0.293044100042965	48	-2.07878257468449	0.0432417352857848	0.0858748445699915	0.129671866271773
DLBC	ASXL1	cg24727216	-0.238836943966622	48	-1.66814768354016	0.10208057506326	0.0570430858033152	0.241738159617704
DLBC	ASXL2	cg05165989	-0.260649680709531	48	-1.8311072056551	0.0735659372224864	0.0679382560539803	0.1911805084445
DLBC	ASXL2	cg05496738	-0.381284420021522	48	-2.79731189875283	0.00749925174054055	0.145377808951148	0.0341667226883521
DLBC	ASXL2	cg06583696	-0.515933643890513	48	-4.08488862118317	0.000174530575399937	0.266187524898143	0.0015499351121761

DLBC	ASXL2	cg09476286	-0.310054439655343	48	-2.2118964234527	0.0319800687481078	0.0961337555499888	0.103505019927901
DLBC	ASXL2	cg19084174	-0.234897223385365	48	-1.63900962124201	0.108033832805328	0.0551767055541543	0.251748861408389
DLBC	ASXL2	cg20667782	-0.170423020914945	48	-1.173025360722	0.246824192336991	0.0290440060577757	0.440026610872973
DLBC	ASXL2	cg24738909	-0.387562234326905	48	-2.85143285667574	0.00649666490355488	0.150204485476463	0.0305397032755543
DLBC	ASXL3	cg09963640	-0.186910791573717	48	-1.29043209124648	0.20334957019039	0.0349356440067133	0.387180453810793
DLBC	ASXL3	cg12361352	-0.144380685146267	48	-0.989606330326241	0.327543657837493	0.0208457822433056	0.527034269368233
DLBC	ASXL3	cg17880622	-0.183167678384605	48	-1.26368302306963	0.212710628322292	0.0335503984048061	0.399006814711236
DLBC	ASXL3	cg20034091	-0.169096543315105	48	-1.16362535171426	0.250576246582627	0.0285936409611172	0.444272136350454
DLBC	ASXL3	cg20329085	-0.182224442163723	48	-1.25695148462779	0.215116253728996	0.0332057473218802	0.402142400216118
DLBC	ASXL3	cg24880056	-0.201273725821002	48	-1.39362531700716	0.170127819100492	0.0405111127058678	0.343862494715469
DLBC	ASXL3	cg27109877	-0.158786758673328	48	-1.09078306659092	0.281049155307359	0.0252132347299817	0.478234786910641
DLBC	ATAD2B	cg08192560	-0.425584674372557	48	-3.18974068568617	0.00256442892616941	0.181122315060795	0.0145298625506536
DLBC	ATAD2B	cg14009731	-0.388452188221022	48	-2.8591425921638	0.00636442340636616	0.150895102533701	0.03004332248027
DLBC	ATAD2B	cg15717719	0.126483179058644	48	0.864796049024367	0.391638326585155	0.0159979945847811	0.588690960667109
DLBC	ATAD2B	cg16929802	-0.114234542600841	48	-0.779881617944636	0.43945499479902	0.0130495307232233	0.632131982274971
DLBC	ATAD2B	cg17933838	-0.268196807538688	48	-1.88817412602033	0.0653189373842037	0.071929527573944	0.175221428098853
DLBC	ATAD2B	cg19614157	-0.477574897588338	48	-3.6866466675051	0.000598012820038865	0.228077782806511	0.00436210120226005
DLBC	ATAD2B	cg20806130	0.00672444980101062	48	0.0456084686840745	0.963819744634027	4.52182251263117e-05	0.980956279375411
DLBC	ATAD2B	cg27610867	-0.314430782386521	48	-2.24651569417141	0.0295139341514572	0.0988667169121994	0.0975274446497543
DLBC	ATAT1	cg01245721	-0.400301696821308	48	-2.96270990420053	0.00481429678510032	0.160241448478018	0.0240600387398603
DLBC	ATAT1	cg05093836	-0.128678210198745	48	-0.880054503315112	0.38340449193768	0.0165580817799524	0.581675391419153
DLBC	ATAT1	cg06814856	-0.0669981836528957	48	-0.45542709011322	0.650944525398364	0.00448875661278714	0.795924902959681
DLBC	ATAT1	cg07142893	-0.211710954683734	48	-1.46919683340853	0.148585713587388	0.0448215283330979	0.313684697422536
DLBC	ATAT1	cg07816366	-0.258008929122261	48	-1.81122519463651	0.0766386139043006	0.0665686075068161	0.196935378125378
DLBC	ATAT1	cg08081524	0.10004690880202	48	0.681972796752883	0.498675795126089	0.0100093839608397	0.682925194397929
DLBC	ATAT1	cg08188471	-0.364042656779054	48	-2.6509602875582	0.0109709872246908	0.132527055954752	0.0458233478478364
DLBC	ATAT1	cg08635134	0.00966870441317811	48	0.0655794092187803	0.947996868816166	9.34838450294099e-05	0.972332042304703
DLBC	ATAT1	cg09532691	-0.132995738495931	48	-0.910105810175907	0.367511072269373	0.0176878664580779	0.566434227360463
DLBC	ATAT1	cg12907138	-0.119925967757131	48	-0.819290439181823	0.416845424256694	0.0143822377424844	0.61235880607722
DLBC	ATAT1	cg13542073	-0.184637796905511	48	-1.2741819397406	0.208998808717476	0.0340911160461207	0.394298108822996
DLBC	ATAT1	cg13964084	0.499136833130528	48	3.90677455191439	0.000304672504660989	0.249137578187573	0.00247666591719927
DLBC	ATAT1	cg15381130	0.0175018486094316	48	0.118721497046673	0.9060129501965	0.000306314704747462	0.950242965062577
DLBC	ATAT1	cg15729859	-0.0866310669224498	48	-0.589777774578446	0.558225644784884	0.00750494175612198	0.729319592408896
DLBC	ATAT1	cg18298197	-0.198201173517462	48	-1.37147393732583	0.176880490101599	0.039283705183699	0.352971497203052
DLBC	ATAT1	cg20629923	0.0648191126697852	48	0.440551077005184	0.661601466337865	0.0042015173672983	0.803055694534468
DLBC	ATAT1	cg22759096	-0.25212224142825	48	-1.76706029917619	0.083852113687762	0.0635656159067247	0.209911128347015
DLBC	ATAT1	cg23328390	0.111154280452448	48	0.758585842205066	0.451969790047116	0.0123552740629015	0.642518462930127
DLBC	ATAT1	cg26934609	-0.180018432328605	48	-1.24122195996377	0.220816284483761	0.0324066359780484	0.409066604994448
DLBC	ATF7IP	cg00236831	-0.20680797450462	48	-1.43363284301612	0.158439756148959	0.0427695383187034	0.3275749432549
DLBC	ATF7IP	cg11409060	0.279095863611901	48	1.97125137778769	0.0547281906950866	0.0778945010852728	0.154124988605197
DLBC	ATF7IP	cg12526346	-0.158704181405334	48	-1.09020114264443	0.281302644595238	0.0251870171955373	0.478530610808714
DLBC	ATF7IP	cg12948116	-0.139541648313036	48	-0.955768550872597	0.344185344799111	0.019471871613919	0.543446833490827
DLBC	ATF7IP	cg17439009	-0.226825999233396	48	-1.57958005792781	0.121055744539151	0.0514500339282287	0.272305418421198
DLBC	ATF7IP	cg19789919	-0.225421411752083	48	-1.5692733705389	0.123438272834099	0.050814812876302	0.276139669212247
DLBC	ATF7IP	cg21275967	-0.187817152413007	48	-1.29691784108716	0.201127186538619	0.0352752827405309	0.384340170709539
DLBC	ATF7IP	cg26637901	0.0726020393950555	43	0.466109947065331	0.643603771955819	0.00527105612432119	0.790773252110986
DLBC	ATM	cg01756564	0.21027495966347	48	1.45876890002007	0.151423687402604	0.0442155586614741	0.31774753426478
DLBC	ATM	cg01800843	0.0557930782249711	48	0.378997411447035	0.706433601781405	0.00311286757781774	0.832608069342968
DLBC	ATM	cg01991180	-0.0136618774748436	48	-0.0926680097251818	0.926569733003454	0.00018664689613764	0.961305440023348
DLBC	ATM	cg02105423	-0.15787423217513	48	-1.08435377194643	0.283858688812397	0.0249242731848868	0.481126064370579
DLBC	ATM	cg03165700	0.365462517512082	48	2.662889990808	0.0106405073742754	0.133562851706269	0.0447441962526692
DLBC	ATM	cg03569616	-0.1869549597925	48	-1.29074807151299	0.203240871308345	0.0349521569910151	0.387077081782804
DLBC	ATM	cg04709886	-0.239980609969133	48	-1.67662248260481	0.100400575827097	0.0575906931611573	0.238891646915222
DLBC	ATM	cg04826772	-0.507177968084564	48	-3.99127791757186	0.0002341869136265	0.257229491310387	0.00198111535000652
DLBC	ATM	cg05033322	0.321692128788738	48	2.30430928786088	0.0257717097938415	0.10348582572463	0.0881384090957975
DLBC	ATM	cg05637308	-0.25781801201985	48	-1.80978948776508	0.0768646202936718	0.0664701273218673	0.197353254930061
DLBC	ATM	cg06053805	0.317293292196899	48	2.26924549320846	0.0279880506218542	0.100675033273147	0.0937684069800399

DLBC	ATM	cg06081482	0.195208946128178	48	1.34994211045927	0.183640169103355	0.0381065326484738	0.361902553900606
DLBC	ATM	cg06750635	0.0261475379875422	48	0.177401885526437	0.859971594867855	0.000683693742809963	0.925537543421688
DLBC	ATM	cg09808176	0.200723604949778	48	1.38965612585691	0.17132290144866	0.0402899655840346	0.345451985924756
DLBC	ATM	cg10610482	-0.0897499366757188	48	-0.611180207441524	0.544088887216602	0.00805505113329554	0.718305177546895
DLBC	ATM	cg10976287	0.0435867852471309	48	0.295901171759214	0.76863728098889	0.00189980784817951	0.871758432663882
DLBC	ATM	cg11588932	-0.14687509473592	48	-1.00707706244518	0.319166045202344	0.0215722934536854	0.518571497921285
DLBC	ATM	cg12019961	0.366083170796322	47	2.63895090035286	0.0113840099652555	0.134016887940289	0.0471820815789606
DLBC	ATM	cg12106634	0.12626770664331	48	0.863298922211867	0.392452143447326	0.015943533740961	0.589406909244001
DLBC	ATM	cg12848864	0.316020106410972	48	2.25912728508773	0.0286584117188047	0.0998687076560023	0.0953939703586793
DLBC	ATM	cg14761454	0.0984197478525054	48	0.670771809925279	0.50572007273673	0.00968644676735073	0.688812493234184
DLBC	ATM	cg15370815	-0.104635315359384	48	-0.713588366563905	0.479086769606438	0.0109485492203577	0.666477283216739
DLBC	ATM	cg15504467	0.1447570657804	48	0.992241239955507	0.326270800652818	0.020954608093351	0.52577753839431
DLBC	ATM	cg16693212	0.362585545159561	48	2.63873975214844	0.0113192665218021	0.131468277558656	0.0469662925914487
DLBC	ATM	cg16788234	0.127175720325647	48	0.869608748007103	0.389029385280964	0.0161736638403472	0.586666507042136
DLBC	ATM	cg17114932	-0.0611238881063273	48	-0.415338985201429	0.679824801834836	0.00373612969723482	0.815253204574298
DLBC	ATM	cg17420659	0.168435610597367	48	1.15894412246372	0.252460047675337	0.0283705549173077	0.446370984541812
DLBC	ATM	cg18042593	0.187120579314736	48	1.29193298893486	0.202833642628982	0.0350141112030825	0.386632372701143
DLBC	ATM	cg18391757	-0.193130068724568	48	-1.33500579166838	0.188444167936411	0.0372992234455562	0.368032174338995
DLBC	ATM	cg18457775	-0.334790604176154	48	-2.40971909495119	0.0200227647003424	0.112084748644634	0.072881526195411
DLBC	ATM	cg19288979	-0.345738739355099	48	-2.49902718011556	0.0160862561182697	0.119535275890853	0.0615671656235696
DLBC	ATM	cg20342375	-0.311770390508987	48	-2.22545180916325	0.0309934916638334	0.0972007763981263	0.101107379984747
DLBC	ATM	cg22477592	-0.272059690345913	48	-1.91752698923283	0.0613927518516077	0.0740164751111143	0.167384703239896
DLBC	ATM	cg22678707	-0.252414567901578	48	-1.76924860498362	0.0834817722647397	0.0637131140889402	0.209172281356711
DLBC	ATM	cg22837512	-0.214310837469942	48	-1.48810210966386	0.143547767394469	0.0459291350570681	0.306495265999324
DLBC	ATM	cg23275463	0.40023248790477	48	2.9620999632056	0.00482229206576985	0.160186044374442	0.0240854679767275
DLBC	ATM	cg23389069	-0.184439307467352	48	-1.27276390336967	0.209497296168066	0.0340178581390363	0.394979221998413
DLBC	ATM	cg24030675	-0.208669873345097	48	-1.44712474458709	0.15464286672522	0.0435431160418587	0.322234080838425
DLBC	ATM	cg24568245	0.458921407778776	48	3.50324982321777	0.00103525653362105	0.210608858517654	0.00690946695062763
DLBC	ATM	cg25400013	-0.0164846516003843	48	-0.111819540973005	0.911453010037627	0.000271743738386053	0.952960334060511
DLBC	ATM	cg25740661	-0.113632220183134	48	-0.775715614992661	0.441886923473763	0.0129122814637482	0.634354868023324
DLBC	ATM	cg25918541	-0.0275142292936677	48	-0.186681257598283	0.852731451857998	0.00075703281362452	0.921544397245133
DLBC	ATM	cg27453365	-0.0667658798811446	48	-0.453840898131339	0.652077395366485	0.00445768271630343	0.796678532762828
DLBC	ATM	cg27599391	-0.166771251105098	48	-1.14716297032958	0.2572460252242	0.0278126501951596	0.451712012421086
DLBC	ATR	cg00911981	0.091955608241437	48	0.626326958932906	0.534196410048145	0.00845583388705264	0.711033005435611
DLBC	ATR	cg00969988	-0.449481434942103	48	-3.41270195512046	0.00135095223016047	0.202033560357612	0.00862078400402784
DLBC	ATR	cg11458642	0.0091096521067024	48	0.0617872304025015	0.95099996149021	8.29857615051474e-05	0.974102246315845
DLBC	ATR	cg11936145	-0.378169634569936	48	-2.77062831589488	0.00804465094722674	0.143012272510759	0.0360872780410885
DLBC	ATR	cg15135999	-0.194920453113919	48	-1.34786822085378	0.184301542675584	0.0379939830421354	0.362737292185001
DLBC	ATR	cg15291273	-0.583252834990394	48	-4.86994784363756	1.35819630774815e-05	0.340183869524331	0.000171025450898283
DLBC	ATR	cg15480357	0.127372505723865	48	0.870976510530321	0.388289925845172	0.016223755214376	0.586069856836292
DLBC	ATR	cg16031872	0.0584864029614678	48	0.397354273384235	0.692944076729838	0.00342065933137119	0.823766324509693
DLBC	ATR	cg17945282	-0.22236487290476	48	-1.54688038615883	0.128745024957284	0.04944613670195	0.284170534019774
DLBC	ATR	cg20032934	-0.212514603033421	48	-1.47503712308676	0.147014694887589	0.0451624565024523	0.311520141590001
DLBC	ATR	cg20636078	-0.199568334821717	48	-1.38132516031325	0.173852368521263	0.0398275202635131	0.348927726171606
DLBC	ATR	cg24631870	-0.359313618475184	48	-2.61137963778025	0.012136059144377	0.12910627642173	0.0495987699016373
DLBC	ATR	cg24856922	-0.180638336328148	48	-1.24564009777639	0.219204066073914	0.0326302085514012	0.407094013133617
DLBC	AURKB	cg02245743	0.229260936366162	48	1.59747198924746	0.117008140675205	0.0525605769434895	0.266109200014235
DLBC	AURKB	cg04612488	0.110749978673269	48	0.755792308985487	0.453626762454529	0.0122655577761295	0.643909138917756
DLBC	AURKB	cg05617798	0.332571320687921	48	2.3917514595365	0.0209126668963109	0.110603683344108	0.075367368133587
DLBC	AURKB	cg05811247	0.195841524941107	48	1.35449080554141	0.18219592854156	0.0383539028912583	0.359846720561541
DLBC	AURKB	cg11009596	0.205651706403006	48	1.42526236425802	0.160831775977554	0.0422926243464683	0.330838700399123
DLBC	AURKB	cg12844497	-0.0830828642010809	48	-0.56545036519883	0.57451531891678	0.00690276232385525	0.741695758638742
DLBC	AURKB	cg13678641	0.00853790401983155	48	0.0579089931265521	0.954071948649182	7.28958050518557e-05	0.975658367894655
DLBC	AURKB	cg21724796	0.092552783897458	48	0.630429463505104	0.531533256788723	0.00856601780716956	0.709191132621375
DLBC	BAP1	cg00794529	-0.0843042118689293	48	-0.573821752947755	0.568883658502776	0.00710720013884131	0.737234055501298
DLBC	BAP1	cg02503646	0.0140546629807051	48	0.0953327783129199	0.924464602282708	0.000197533551501202	0.960171416536241
DLBC	BAP1	cg03075736	0.0543609281384058	48	0.369239728577689	0.713643325765107	0.00295511050806892	0.837072642741896

DLBC	BAP1	cg05442719	0.266965858374089	48	1.87884123279365	0.0666112785055827	0.0712707695374141	0.177750413338706
DLBC	BAP1	cg05908979	0.00804103905312033	48	0.0545387434854272	0.956742128322551	6.46583090538063e-05	0.977147164395112
DLBC	BAP1	cg09096430	0.193163161007438	48	1.33524340619382	0.188367001001558	0.0373120067703852	0.367927650796305
DLBC	BAP1	cg10449522	-0.290193174532667	48	-2.0566891343681	0.0454134197450838	0.0842120785453469	0.13450436212781
DLBC	BAP1	cg10956904	-0.42007644259413	48	-3.13953989685183	0.00295370155981295	0.176464217622539	0.0162618725508909
DLBC	BAP1	cg11234564	0.109962177635847	48	0.750350068044615	0.456864949707123	0.0120916805104177	0.647112355434261
DLBC	BAP1	cg12859382	0.182068932282919	48	1.25584201165809	0.215514678352921	0.033149096102642	0.402625990917296
DLBC	BAP1	cg16841708	0.100936311544473	48	0.688097562657107	0.49484684275477	0.0101881389882029	0.679906811047169
DLBC	BAP1	cg24291822	-0.123355760062641	48	-0.843078471246047	0.403547189557303	0.0152166435406319	0.599983756295788
DLBC	BAP1	cg24747396	0.114541335129845	48	0.782003903472015	0.438219155572946	0.0131197174533276	0.630960965919707
DLBC	BAP1	cg25749966	-0.259820941619968	48	-1.82486297507169	0.0745195525137549	0.0675069217042867	0.192956133279692
DLBC	BAZ1A	cg05294307	-0.0424945142293826	48	-0.288472395046046	0.774281090371847	0.0018057837395912	0.874929393396702
DLBC	BAZ1A	cg07414384	0.350157470230577	48	2.53539736451099	0.0146951559708652	0.122610253958278	0.0574585325491297
DLBC	BAZ1A	cg23422263	-0.146725041430974	48	-1.00602554447462	0.319666139518833	0.0215282377829209	0.519003392436105
DLBC	BAZ1A	cg26967526	-0.117067886079365	48	-0.799490397949814	0.428115338755526	0.0137048899510913	0.622410830386906
DLBC	BAZ1B	cg00525989	-0.385868859547434	48	-2.83678890331062	0.00675489958913522	0.148894776768438	0.0314872466077767
DLBC	BAZ1B	cg04742505	-0.518066738957907	48	-4.10795562502555	0.000162268698323305	0.26839314601448	0.00145583336608963
DLBC	BAZ1B	cg05166819	-0.396006686565278	48	-2.92497137515661	0.00533301382550767	0.15682129580441	0.0261027103020979
DLBC	BAZ1B	cg06059318	-0.372921177136254	48	-2.72591364160562	0.00904145220497826	0.139070204356689	0.0394819384133639
DLBC	BAZ1B	cg06394887	-0.330277033960699	48	-2.37322354802291	0.0218674453140429	0.109082919161877	0.0779263584216916
DLBC	BAZ1B	cg14093368	-0.387291246211602	48	-2.84908713205616	0.00653740364916424	0.149994509392135	0.0306865674580245
DLBC	BAZ1B	cg15636799	-0.592288647404267	48	-4.98568714452865	9.22272315331826e-06	0.350805841843976	0.000121977647907045
DLBC	BAZ1B	cg19160975	-0.480860656499196	48	-3.71962443142466	0.00054114520569488	0.231226970968838	0.00400970093645371
DLBC	BAZ1B	cg20612831	-0.164569493091305	48	-1.13159332663528	0.263670306109571	0.0270831180563291	0.459106669803661
DLBC	BAZ1B	cg21340129	-0.63518059029496	48	-5.57768911912644	1.23764428100312e-06	0.403454382287454	2.06656576940023e-05
DLBC	BAZ1B	cg25710357	-0.363933483862269	48	-2.65004389810936	0.0109967588721271	0.132447580676128	0.0458999895530007
DLBC	BAZ2A	cg14634319	-0.135356427928261	48	-0.926559110058282	0.358991494476096	0.0183213625814984	0.557967400329126
DLBC	BAZ2A	cg18206859	-0.0962993531028278	48	-0.656183657731441	0.514975057046899	0.00927356540802311	0.696402179382085
DLBC	BAZ2A	cg18955060	0.0672980793391296	48	0.457474916093956	0.649483183968732	0.00452903148273578	0.794994804715027
DLBC	BAZ2A	cg25683012	-0.557691209798909	48	-4.55689734709875	3.8226619377033e-05	0.311019485486971	0.000420653586201182
DLBC	BRD7	cg03021120	-0.0737022158621136	48	-0.50123596327891	0.618595399179612	0.00543201662298559	0.773656964145505
DLBC	BRD7	cg16433860	-0.0338957429434458	48	-0.23002429155641	0.819092750072884	0.00114892138968815	0.902710112188615
DLBC	BRD7	cg16834187	-0.16235142972764	48	-1.11592595936122	0.270249484518748	0.0263579867346088	0.466335168437137
DLBC	BRD8	cg01096096	-0.089626600057878	48	-0.610333502042376	0.544644643042967	0.00803292743793482	0.718766165294787
DLBC	BRD8	cg03204906	-0.460310546844668	48	-3.51669954462376	0.000994852107448805	0.211885799536438	0.00668799903619705
DLBC	BRD8	cg03684156	0.0310545412728878	48	0.210723780274042	0.834033519934978	0.000964384533669493	0.910981054572563
DLBC	BRD8	cg07430605	0.152948213808913	48	1.04969576154524	0.299341763511133	0.0233931561073371	0.497649124900309
DLBC	BRD8	cg07632946	-0.179379321696826	48	-1.23666853403073	0.222487042026089	0.0321769410524133	0.411081059932015
DLBC	BRD8	cg08976717	-0.348985606647216	48	-2.52573323042813	0.0150536994354168	0.121790953646926	0.0585382259081394
DLBC	BRD8	cg11110536	0.10071091897213	48	0.686545266530578	0.495815736840019	0.0101426892002109	0.680705376107095
DLBC	BRD8	cg11346339	-0.321427407920569	48	-2.30219448691191	0.0259008056044137	0.103315578562536	0.0884748955471047
DLBC	BRD8	cg12964860	-0.542430608272298	48	-4.37916998715444	6.81594889253622e-05	0.294230964790655	0.000693849683519972
DLBC	BRD8	cg14473243	0.363330275305232	48	2.64498287746982	0.0111400932950112	0.132008888953376	0.046376219713817
DLBC	BRD8	cg22106577	-0.109747311929331	48	-0.748865994279494	0.457750310914377	0.0120444724757139	0.647905712350528
DLBC	BRD8	cg22818036	0.0789941633415692	48	0.537443952679836	0.593551552400616	0.00624007784203451	0.755510704624907
DLBC	BRD8	cg23298160	0.437241167107583	48	3.29741778814017	0.00188673820040166	0.191179838213601	0.011342006920798
DLBC	BRD8	cg26008208	0.102216860694829	48	0.696918843028841	0.489360776415956	0.0104482866103061	0.67533540722185
DLBC	BRD8	cg26630792	-0.0666892915210038	48	-0.453317961874297	0.652451062284422	0.00444746160357343	0.79697836010071
DLBC	BRD8	cg27119451	-0.0988334852031562	48	-0.67361936010188	0.503924139731403	0.0097680577974025	0.687216662744583
DLBC	BRD9	cg02364331	-0.174528287149079	48	-1.20215897800004	0.235454056220362	0.0304601230151914	0.426659356865827
DLBC	BRD9	cg02822723	0.00411154451032314	48	0.027886087314655	0.977873637321223	1.69047982603683e-05	0.988527065870353
DLBC	BRD9	cg05193570	-0.048441685540351	48	-0.32893366030279	0.74369875311195	0.00234659689799025	0.856043754722465
DLBC	BRD9	cg07308931	-0.152778768986131	48	-1.04850503977473	0.299883858559811	0.0233413522529175	0.498167091454238
DLBC	BRD9	cg09497020	-0.232995276359272	48	-1.62497358851273	0.111001275390898	0.0542867988057335	0.256565743166638
DLBC	BRD9	cg10551270	-0.327546404465824	48	-2.35123337012494	0.0230513485215723	0.107286647078489	0.0810511460739976
DLBC	BRD9	cg10600960	-0.307362284123747	48	-2.19067749469192	0.0335802634798839	0.0944715737017672	0.107350411665125
DLBC	BRD9	cg13722821	-0.170405220667202	48	-1.17289917692059	0.246874288538843	0.0290379392306379	0.440064221735393

DLBC	BRD9	cg17977043	-0.190348485285313	48	-1.31504984037726	0.195011286090981	0.0362325458504131	0.376584534942579
DLBC	BRD9	cg20079193	-0.0398945003331365	48	-0.270793244941845	0.787761463909549	0.00159157115683063	0.883080181036348
DLBC	BRD9	cg21160852	-0.0617149508708405	48	-0.419370559295335	0.676897407094887	0.00380873516099026	0.813372621484679
DLBC	BRD9	cg21758832	0.00461396902534785	48	0.0312937935658515	0.97517062746148	2.12887101668694e-05	0.986918142695769
DLBC	BRD9	cg21910709	-0.170098743151148	48	-1.17072678025557	0.247737904986249	0.0289335824216002	0.441079383450823
DLBC	BRD9	cg24953233	-0.108590497784695	48	-0.740877719351928	0.462532966518494	0.0117918962091279	0.651960206870581
DLBC	BRD9	cg25523559	-0.0725505579377171	48	-0.493361963432809	0.624104137924801	0.00526358345707404	0.777365220186951
DLBC	BRD9	cg25951128	-0.0289679132391412	48	-0.196552431321464	0.8450436188458	0.000839139997430413	0.917199030115386
DLBC	BRD9	cg26504197	-0.242415325519483	48	-1.69468895163112	0.0968951160163163	0.0587651900467171	0.232771986381392
DLBC	BRDT	cg00308185	0.0939756031834395	48	0.640206785977268	0.525214419474996	0.00883141399369128	0.70420245339856
DLBC	BRDT	cg01515515	-0.215260395379848	48	-1.49501514225283	0.141739699963461	0.0463370378190883	0.303927734811397
DLBC	BRDT	cg02935097	-0.406913362594667	48	-3.02126013873842	0.00410196811602743	0.165578484658099	0.0211666561168903
DLBC	BRDT	cg03421440	-0.452435192686538	48	-3.44087700931875	0.00124401126096838	0.204697603581305	0.00805345330197515
DLBC	BRDT	cg06442199	-0.329243820502835	48	-2.3648951040435	0.0223092488726974	0.108401493339303	0.0790312252642359
DLBC	BRDT	cg09250199	0.188994203207897	48	1.30534572676521	0.198266722478184	0.035718808846188	0.38084795694876
DLBC	BRDT	cg13299824	-0.26236489019663	48	-1.84404446704883	0.0716229372453316	0.0688353356078895	0.187483925437038
DLBC	BRDT	cg14732540	-0.242060727423431	48	-1.69205559981695	0.0973996881127102	0.0585933957607606	0.233631723871691
DLBC	BRDT	cg19245011	-0.180497540489652	48	-1.2446364927443	0.21956952225041	0.0325793621228135	0.407566184994535
DLBC	BRPF1	cg04879506	-0.385368684090244	48	-2.83246994731401	0.00683286106331969	0.148509022677446	0.0317897011877215
DLBC	BRPF1	cg13694772	-0.173526948927665	48	-1.19504694087306	0.238193764906133	0.0301116020041446	0.429811786674423
DLBC	BRPF1	cg14712964	-0.166895828004354	48	-1.1480444360133	0.256885702700736	0.0278542174052588	0.451232079929125
DLBC	BRPF1	cg17738494	0.019571305332967	48	0.132764480191207	0.894958724527548	0.000383035992436222	0.944199235334988
DLBC	BRPF1	cg20952324	-0.163131984777747	48	-1.12143744181991	0.267921918200319	0.026612044457527	0.463622134800695
DLBC	BRPF1	cg25467642	-0.400744647787679	48	-2.96661507960383	0.00476339943035573	0.160596272730471	0.0238611651825559
DLBC	BRPF1	cg26227975	-0.639475733322366	48	-5.64135249340715	9.95032140827861e-07	0.408929213508178	1.70276133663798e-05
DLBC	BRPF3	cg01499736	-0.395134328259546	48	-2.91733428767484	0.0054441363522894	0.156131137369123	0.0265497206237463
DLBC	BRPF3	cg05882415	0.204850477932409	48	1.41946575370699	0.162504714988057	0.0419637183091362	0.3331507735515
DLBC	BRPF3	cg10562781	-0.490618498459746	48	-3.8187215929909	0.000399804698875711	0.240706511030895	0.00310310353630022
DLBC	BRPF3	cg14654948	-0.427831795239487	48	-3.21034412626039	0.00241912895936657	0.183040045017842	0.0138571326312468
DLBC	BRPF3	cg18779695	-0.204376853067056	48	-1.41604064342092	0.163499578617348	0.0417698980695932	0.334559582801777
DLBC	BRPF3	cg23517469	-0.35733083527745	48	-2.59485336694224	0.0126552038165046	0.12768532584008	0.0512733152284341
DLBC	BRWD3	cg03164831	0.0592745920448556	48	0.402727953146071	0.689013948145052	0.00351347726208405	0.821210939867652
DLBC	BRWD3	cg05835545	0.0845538105210813	48	0.575532876737853	0.567735900369559	0.00714934687363492	0.736402004691034
DLBC	BRWD3	cg09523186	0.0950724616440976	48	0.647746870763174	0.520368703959023	0.00903877296306842	0.700694201947504
DLBC	BRWD3	cg11957438	0.200187359124221	45	1.33983778777206	0.18733607708433	0.0400749787531298	0.36663201964021
DLBC	BRWD3	cg15511898	0.0936896913125068	48	0.638241742477969	0.526481182729791	0.00877775825823281	0.705168606576505
DLBC	BRWD3	cg22618269	0.165884037684462	48	1.14088696774738	0.259821981200769	0.0275175139584998	0.454798083062184
DLBC	BRWD3	cg25063710	0.0886890218305184	48	0.603897953711	0.548878271925038	0.00786574259325417	0.721944349047662
DLBC	BRWD3	cg25708850	0.157416110932033	43	1.0206803878155	0.313391018832743	0.0247798319809662	0.512469757897497
DLBC	CARM1	cg12317676	0.0156250026567812	48	0.105986862649104	0.916053630036371	0.00024414070802442	0.95569723999959
DLBC	CARM1	cg17918830	-0.489170912584509	48	-3.80390321984583	0.000418407104120517	0.239288181718761	0.00322368646706462
DLBC	CARM1	cg22378614	-0.470370993610523	48	-3.61509823916821	0.000741915463189414	0.221248871630151	0.00523458838593844
DLBC	CARM1	cg26504915	-0.471760181491664	48	-3.62882567554341	0.000711959282857606	0.222557668841047	0.00505671144441017
DLBC	CBX1	cg01544580	-0.228912396566735	48	-1.5949089857142	0.117581132992276	0.052400885301926	0.267037620715862
DLBC	CBX1	cg01553295	0.0276798091548064	48	0.187805559008666	0.851855082992787	0.000766171834846504	0.921019767710986
DLBC	CBX1	cg02835499	-0.132175176792017	48	-0.904390448993362	0.37050071253079	0.0174702773600009	0.569169570840296
DLBC	CBX1	cg04864609	-0.150612329200797	48	-1.03328934881803	0.306870573094839	0.0226840737072891	0.505352675634627
DLBC	CBX1	cg11729481	-0.142113660045642	48	-0.973744911399376	0.335276153854576	0.0201962923715683	0.534813525863794
DLBC	CBX1	cg12245530	-0.330579494745282	48	-2.37566340930974	0.0217395139769662	0.109282802346046	0.0775868319309054
DLBC	CBX1	cg13342109	-0.108240754163751	48	-0.738463197762909	0.463984210918316	0.0117160608619376	0.653211982051095
DLBC	CBX1	cg17778721	0.060252794295827	48	0.409398148379259	0.684147634860326	0.00363039922045524	0.818141839827897
DLBC	CBX1	cg21511817	-0.197744698377385	48	-1.368186617076	0.177899946813172	0.0391029657363628	0.354413587863525
DLBC	CBX4	cg04398978	-0.243874903695944	48	-1.70553582997677	0.094839476305074	0.0594749686527061	0.229278169603683
DLBC	CBX4	cg04925705	-0.218877714341829	48	-1.52139112390861	0.135006703550369	0.0479074538355032	0.293724627233755
DLBC	CBX4	cg05949524	-0.34743643039331	48	-2.51297816566959	0.0155390970422167	0.120712073164446	0.0600103512362095
DLBC	CBX4	cg07159673	-0.0321713135670133	48	-0.218309468280393	0.828153629365747	0.0010349934166271	0.907604297346993
DLBC	CBX4	cg10756274	-0.35295592404851	48	-2.5585307113959	0.0138682613778736	0.124577884320938	0.0549825464086381

DLBC	CBX4	cg21365914	-0.430108098165909	48	-3.23128942768946	0.00227941587141475	0.184992976107895	0.0132144629481212
DLBC	CBX4	cg22353329	-0.0276689407588525	48	-0.187731761197744	0.85191260102466	0.000765570282716887	0.921056353838736
DLBC	CBX4	cg27487227	-0.240401663548093	48	-1.67974443893952	0.099787460751769	0.0577929598366906	0.237891202553418
DLBC	CBX5	cg03689456	-0.475811418117502	48	-3.66905789029554	0.000630701133122041	0.226396505610988	0.0045624664264549
DLBC	CBX5	cg05754589	-0.151055795192906	48	-1.03640272314413	0.30543198922835	0.0228178532613613	0.503972175748834
DLBC	CBX5	cg06399839	-0.366762573924043	48	-2.6738319060717	0.0103454546642269	0.134514785631389	0.0437660721164211
DLBC	CBX5	cg06621757	-0.0020754846903746	48	-0.0140766523636299	0.988829703981147	4.30763669997935e-06	0.994109351796744
DLBC	CBX5	cg08288469	-0.0257750164327234	48	-0.174872764907605	0.861947055559358	0.000664351472107161	0.926681196048273
DLBC	CBX5	cg09060496	-0.294813212550713	48	-2.09252287633885	0.0419373118338844	0.0869148302944721	0.12673690280383
DLBC	CBX5	cg09158487	-0.4324272876166	48	-3.25270712417691	0.00214446577303578	0.18699335907545	0.0125631877662132
DLBC	CBX5	cg09653879	-0.309843709565184	48	-2.21023338557722	0.0321030015460539	0.0960031243571143	0.103812649219508
DLBC	CBX5	cg11005091	-0.215035209105193	48	-1.49337532534894	0.142166942500971	0.0462401411549139	0.304499741882671
DLBC	CBX5	cg11338003	-0.405178336456574	48	-3.0058411205708	0.00427932118536305	0.164169484333716	0.0219247571321215
DLBC	CBX5	cg12263485	0.182187335017451	48	1.25668673776276	0.21521127756632	0.033192225040761	0.40225832384893
DLBC	CBX5	cg12600134	-0.137120088129468	48	-0.938861768311661	0.352705594640407	0.018801918568633	0.55169154578176
DLBC	CBX5	cg13445218	-0.265403709987216	48	-1.86701147935353	0.0682805594034323	0.0704391292749781	0.181072930348128
DLBC	CBX5	cg14017196	-0.443104822943612	48	-3.3523528633552	0.00161020761937226	0.19634188411589	0.0099701123480934
DLBC	CBX5	cg14394617	0.0605616254539876	48	0.411504260608912	0.68261389551827	0.00366771047762908	0.817048733543839
DLBC	CBX5	cg15708001	-0.375662139987743	48	-2.74922709679634	0.0085083365060551	0.141122043420171	0.0376781910046722
DLBC	CBX5	cg20545544	-0.359707274638964	48	-2.61466553586273	0.0120351901109326	0.129389323428191	0.0492460330049383
DLBC	CBX5	cg20927027	0.260217816360077	48	1.82785273302713	0.0740616646202611	0.0677133119512065	0.192096593787504
DLBC	CBX5	cg21826008	-0.261765890760116	48	-1.83952428680089	0.0722968134673979	0.068521381565437	0.188738096186545
DLBC	CBX5	cg24505978	0.0227199186495173	48	0.154133772124262	0.878178516869394	0.000516194703440683	0.935337069295422
DLBC	CBX5	cg25817259	-0.131418755108013	48	-0.899123511267584	0.373269558893693	0.0172708891941399	0.57185141228637
DLBC	CBX6	cg03028106	-0.0323187441989724	48	-0.219310953001044	0.827378083980656	0.00104450122659861	0.907284687220207
DLBC	CBX6	cg04134624	-0.362456837506095	48	-2.63766137726705	0.0113504814051088	0.131374959054919	0.0470631782554649
DLBC	CBX6	cg04215348	-0.318761277701064	48	-2.28092874633174	0.0272313944984093	0.101608752161615	0.091834537177443
DLBC	CBX6	cg04801716	0.26899980582371	48	1.89426771914714	0.0644867201738294	0.0723608955331934	0.173509490858883
DLBC	CBX6	cg06060673	-0.114786026629598	48	-0.783696757866036	0.437234862069875	0.0131758319094107	0.630150225274443
DLBC	CBX6	cg09913544	-0.107804371502793	48	-0.735450936037216	0.465798392200406	0.0116217825151123	0.655042935028443
DLBC	CBX6	cg14498989	-0.363317696742176	48	-2.644877382051	0.0111430992073665	0.13199974876604	0.0463859722766092
DLBC	CBX6	cg24649346	-0.133039835588876	48	-0.910413008260055	0.367350821189305	0.0176995978535152	0.566258014068519
DLBC	CBX6	cg25836955	-0.0794860707028147	48	-0.540811901994579	0.591246608427251	0.00631803543577285	0.753998863250214
DLBC	CBX7	cg00545295	-0.296975632180977	48	-2.10934993446104	0.0403868034400402	0.0881945261092909	0.123258179161024
DLBC	CBX7	cg01525244	-0.135703959161865	48	-0.928982648939404	0.357747495470618	0.0184155645322052	0.55677920701493
DLBC	CBX7	cg02523424	-0.174646872456674	48	-1.20300148825445	0.235131035308598	0.0305015300588976	0.426302408893377
DLBC	CBX7	cg03804568	-0.179172908465409	48	-1.23519826236141	0.223028510361444	0.0321029311279539	0.411749013599558
DLBC	CBX7	cg10339854	-0.165685092470859	48	-1.13948005349135	0.26040196498683	0.0274515498670772	0.455544956650288
DLBC	CBX7	cg22268271	-0.268806843018591	48	-1.89280302311078	0.0646859278723956	0.0722571188536213	0.173931185984555
DLBC	CBX7	cg26672614	-0.237179868060418	48	-1.65588146033494	0.104553026804451	0.0562542898131573	0.245906341976826
DLBC	CBX7	cg27062573	-0.246997013636015	48	-1.72877933362275	0.0905559034214031	0.0610075247451097	0.221747802913678
DLBC	CDYL2	cg01442398	-0.224686749176061	48	-1.56388661971637	0.124698456369471	0.050484135255306	0.277917755822604
DLBC	CDYL2	cg02461391	-0.235079361525654	48	-1.64035481063162	0.107752875653505	0.055262306215309	0.251342604677184
DLBC	CDYL2	cg06919916	-0.221058400696857	48	-1.53732352354681	0.131064897705543	0.0488668165186522	0.287740815193831
DLBC	CDYL2	cg10112854	-0.255144036784324	48	-1.78970480983322	0.080085570247033	0.0650984795066006	0.203228629038286
DLBC	CECR2	cg03927893	-0.329893124809718	48	-2.3701278486014	0.0220307382762801	0.10882947379672	0.0783406890096874
DLBC	CECR2	cg12632097	-0.293890329088608	48	-2.08535211964945	0.0426137072677433	0.0863715255318101	0.128247956622926
DLBC	CECR2	cg13466481	-0.314064146484608	48	-2.24360934985961	0.0297142774511053	0.0986362881071051	0.0979778959874235
DLBC	CECR2	cg26796679	-0.255346742842777	48	-1.79122582272544	0.0798377447194463	0.0652019590804153	0.202776261016463
DLBC	CHAF1A	cg03006338	0.151036970626991	48	1.03627055137442	0.305492967226409	0.0228121664961786	0.504011872885162
DLBC	CHAF1A	cg04346879	-0.0434716014068737	48	-0.295117731316199	0.769231887281826	0.0018897801288781	0.87207265285926
DLBC	CHAF1A	cg05297461	0.0247667081676701	48	0.168027528482667	0.867298213989795	0.000613389833462537	0.929464617754607
DLBC	CHAF1A	cg07783855	0.0885930893616941	48	0.603239563622821	0.549312338356061	0.00784873548264911	0.722279523948086
DLBC	CHAF1A	cg09700233	-0.030158986838421	48	-0.204641289091772	0.838755190249611	0.000909564487120053	0.913698406530171
DLBC	CHAF1A	cg18804734	0.0873061622459091	48	0.594408936596868	0.555151082046351	0.00762236596610901	0.726657299424795
DLBC	CHAF1A	cg23811775	0.289069777038229	48	2.04799976068517	0.0462932133375846	0.0835613359969315	0.136357360129645
DLBC	CHAF1A	cg24085258	0.285043085502177	48	2.01692916708368	0.0495613981406706	0.0812495605926014	0.143356735711297

DLBC	CHAF1B	cg00660452	0.0305042743676058	48	0.206986378595402	0.836934041467049	0.000930510754694173	0.912726705664727
DLBC	CHAF1B	cg02544117	-0.0086507601894411	48	-0.0586745057231908	0.953465521803334	7.48356518552191e-05	0.975381963590045
DLBC	CHAF1B	cg02908490	-0.159501538037043	48	-1.09582111639673	0.278861248264333	0.0254407406361821	0.475802341261472
DLBC	CHAF1B	cg04634639	-0.158007524434126	48	-1.08529271745588	0.283447159142975	0.0249663777778008	0.480720869813885
DLBC	CHAF1B	cg07872789	-0.0983313732617816	48	-0.67016361677105	0.506104107090735	0.00966905896754782	0.689138537194859
DLBC	CHAF1B	cg13854874	-0.213520680782203	48	-1.48235293211163	0.145065309255258	0.0455910811216954	0.308735552983435
DLBC	CHAF1B	cg25942896	-0.275206747576425	48	-1.94151442609992	0.0583357781243095	0.0757387539115941	0.161311396701473
DLBC	CHD1	cg03255775	-0.521727322593817	48	-4.14778552862412	0.000143038210740262	0.272199399140913	0.00130726897438377
DLBC	CHD1	cg03833628	-0.175804499291909	48	-1.21122889531843	0.231993644179928	0.0309072219712788	0.42261359455177
DLBC	CHD1	cg08865521	-0.552729237656354	48	-4.49840168958145	4.62781944407674e-05	0.305509610160174	0.000495688161237037
DLBC	CHD1	cg11365324	-0.279703174595072	48	-1.9759044413588	0.0541814430850772	0.0782338658785614	0.153033118518698
DLBC	CHD1	cg12662497	0.245008060902985	48	1.71396539763436	0.093266986908243	0.0600289499074407	0.226567948399321
DLBC	CHD1	cg16890600	-0.267800991971494	48	-1.88517202098112	0.0657322945511915	0.0717173713009162	0.175978615589136
DLBC	CHD1	cg21082921	-0.23523971795761	48	-1.64153928164035	0.107505981202924	0.0553377249047761	0.250924701521159
DLBC	CHD4	cg00079216	-0.302146885631414	48	-2.14973555385915	0.036868767505161	0.0912927404967629	0.11528473408483
DLBC	CHD4	cg00824109	-0.135574975579309	48	-0.928083130141396	0.35820888977252	0.0183805740033303	0.557196320302396
DLBC	CHD4	cg04344119	0.147299594825271	48	1.01005218693395	0.317753963997759	0.021697170635689	0.517038827290725
DLBC	CHD4	cg05147525	0.0735326133942893	48	0.500076248504185	0.619405370180899	0.00540704523259401	0.774234319903801
DLBC	CHD4	cg11565429	0.22003390742922	48	1.52983543133986	0.132905883436837	0.0484149204185706	0.290567976170791
DLBC	CHD4	cg19509514	-0.0412243442187621	48	-0.279834989244498	0.780858628510665	0.00169944655626698	0.878951790519138
DLBC	CHD4	cg20308811	-0.0495681816939432	48	-0.336601534992949	0.737948126738378	0.00245700463644377	0.852445313103501
DLBC	CHRA1	cg00296189	-0.0094468525029184	48	-0.0640745301428554	0.949188519998659	8.92430222118957e-05	0.973053945718257
DLBC	CHRA1	cg07270064	-0.461948268545135	48	-3.53259817476234	0.00094903405136719	0.213396202811848	0.0064255139244612
DLBC	CHRA1	cg08877624	-0.196927551433219	48	-1.36230421891441	0.17973544976883	0.0387804605134833	0.35671222732342
DLBC	CHRA1	cg12002314	-0.155283950326371	48	-1.06611914811735	0.291933634186608	0.0241131052289628	0.489665483784239
DLBC	CHRA1	cg18770186	-0.220332761889203	48	-1.5320192283235	0.132366862143777	0.048546525961724	0.28973046142377
DLBC	CHRA1	cg19486048	-0.116702126875691	48	-0.796957978687516	0.429569859452626	0.0136193864173098	0.623608973021154
DLBC	CHRA1	cg22610305	-0.278266594848319	48	-1.96490187095886	0.0554819370121652	0.0774322978084784	0.155555123809351
DLBC	CHRA1	cg23548819	-0.352490158580803	48	-2.55467506078349	0.0140030663485573	0.124249311896319	0.0553616406693938
DLBC	CLOCK	cg05960024	-0.201677205823219	48	-1.39653734928821	0.169255147688148	0.040673695348661	0.342686280593702
DLBC	CLOCK	cg06085476	-0.183512936139695	48	-1.26614790543582	0.211834798985669	0.0336769977306119	0.397958859026591
DLBC	CLOCK	cg07236904	-0.479240977054815	48	-3.70335201095451	0.000568538543902658	0.229671914088453	0.00417844945530121
DLBC	CLOCK	cg07500410	-0.216334150184581	48	-1.50283771927468	0.139715589130057	0.046800464536085	0.300897916526872
DLBC	CLOCK	cg11774413	-0.572041415921897	48	-4.73013489333829	2.16116559996278e-05	0.327231381529928	0.000256250139740138
DLBC	CLOCK	cg18928811	-0.115781866742772	48	-0.790587794393228	0.433241726753148	0.0134054406664411	0.626850951786174
DLBC	CLOCK	cg22523077	-0.191734496995211	48	-1.32489837925366	0.191719013807417	0.0367621173380064	0.372199251823447
DLBC	CLOCK	cg23506964	-0.507331656704397	48	-3.99290648980239	0.000232997314945696	0.257385409894428	0.00197190960823384
DLBC	CREBBP	cg00039463	-0.241647584452435	48	-1.68898838448444	0.0979901246826728	0.0583935550716968	0.234627385643701
DLBC	CREBBP	cg00747661	-0.0666319263305741	48	-0.452926284416971	0.652730996549199	0.00443981360652305	0.797147505072823
DLBC	CREBBP	cg03039399	-0.579938278136323	48	-4.82818692851128	1.56090519247352e-05	0.336328406447723	0.000193173812509203
DLBC	CREBBP	cg03264209	-0.272643077745945	48	-1.92196862383246	0.0608165831855088	0.0743342478427813	0.166262484970954
DLBC	CREBBP	cg08506924	-0.43977723298818	48	-3.32111282895675	0.00176234610152501	0.19340401465474	0.010726017260369
DLBC	CREBBP	cg24567591	-0.39948949071721	48	-2.95555569632674	0.00490886031091498	0.159591853193496	0.0244215565023547
DLBC	CTCF	cg01866162	-0.0798839922622412	48	-0.543536648131058	0.589384972724844	0.00638145221975381	0.752636483390619
DLBC	CTCF	cg04487155	-0.587935930641356	48	-4.92958156146437	1.1129301021722e-05	0.345668658539118	0.000143843303486267
DLBC	CTCF	cg06241380	-0.520798951488277	48	-4.13765460834045	0.000147708254533403	0.271231547871288	0.00134442681094788
DLBC	CTCF	cg07967402	-0.541023129273709	48	-4.36309600236557	7.17930954903211e-05	0.292706026409116	0.000724393264665893
DLBC	CTCF	cg08324636	-0.164709514786099	48	-1.13258296396965	0.263258593548038	0.0271292242610723	0.458677511459408
DLBC	CTCF	cg10218542	-0.437100926180779	48	-3.29611033432359	0.00189383890408325	0.191057219668095	0.0113794163670543
DLBC	CTCF	cg10481400	-0.190629799757339	48	-1.31706657530737	0.194339842468554	0.036339720555523	0.375679589121056
DLBC	CTCF	cg23858565	-0.304599465319677	48	-2.16896200491787	0.0352907327573346	0.0927808342730333	0.111506732631659
DLBC	CXXC1	cg02159718	0.0674781780007892	48	0.4587047725964	0.64860621929256	0.0045533045063062	0.794358009063455
DLBC	CXXC1	cg07675399	-0.111375636144739	48	-0.760115466339135	0.451063999315442	0.0124045323266453	0.641758527428682
DLBC	CXXC1	cg11871295	0.106377017922487	48	0.725601195761377	0.471758878314096	0.0113160699420811	0.659870366606735
DLBC	CXXC1	cg13423076	-0.116474855642239	48	-0.79538457889769	0.43047504939292	0.0135663919968804	0.624468569796424
DLBC	CXXC1	cg15632775	0.223288665086642	48	1.5536432260202	0.127123383054688	0.0498578279561746	0.281846684375183
DLBC	CXXC1	cg20016845	-0.119036303844009	48	-0.813124889937615	0.420335255043346	0.0141696416328432	0.615572763803207

DLBC	CXXC1	cg27419474	0.0944724093918526	48	0.643621665428981	0.523016859473588	0.00892503613630181	0.702578999627156
DLBC	DAXX	cg00221327	0.369079277976127	46	2.63417307410243	0.0115980201987167	0.136219513431379	0.0478599821418931
DLBC	DAXX	cg02173004	-0.09523526037906	48	-0.64886619299284	0.519651393511586	0.00906975481946735	0.70017437111182
DLBC	DAXX	cg02328295	-0.188361483488304	48	-1.30081462249315	0.199800758326098	0.0354800484619144	0.382707937982481
DLBC	DAXX	cg03085224	-0.361322479898542	48	-2.62816468233373	0.0116288015547376	0.130553934480032	0.0479590196760459
DLBC	DAXX	cg03369465	0.428776633901274	47	3.18384719255404	0.0026373892303072	0.183849401779707	0.0148525450834312
DLBC	DAXX	cg03382121	-0.206966984016498	48	-1.43478443767048	0.158112854642235	0.0428353324728851	0.327151215863557
DLBC	DAXX	cg03902329	-0.052824896855695	48	-0.358776809412696	0.721403570359087	0.00279046972781482	0.842111990044188
DLBC	DAXX	cg04086445	-0.00286695798276654	48	-0.0194447349995369	0.984570423067523	8.2194480749488e-06	0.99189844047809
DLBC	DAXX	cg04152866	-0.284402569729907	48	-2.01199762129087	0.0500981003571933	0.0808848216689744	0.144479392740964
DLBC	DAXX	cg04271391	-0.156164746368886	48	-1.07231707612841	0.289171264135707	0.0243874280084587	0.486720149884811
DLBC	DAXX	cg04488476	-0.415942627896257	48	-3.10214264369653	0.00327918614805103	0.173008269701244	0.0176785174775801
DLBC	DAXX	cg04973788	-0.177652190540983	48	-1.22437144032905	0.227045804987947	0.0315603008040099	0.41661480689764
DLBC	DAXX	cg05431670	-0.0661035297099462	48	-0.449318715053818	0.655311719496256	0.00436967664011374	0.799076039050607
DLBC	DAXX	cg05532204	-0.1749694752037	48	-1.20529374979711	0.234253815864718	0.0306143172530581	0.425187619024263
DLBC	DAXX	cg06171013	-0.224140016986128	48	-1.55987965036655	0.125642556496821	0.050238747214542	0.279399623820532
DLBC	DAXX	cg07689821	0.193464672536221	48	1.33740858585797	0.18766495304264	0.0374285795195474	0.367017128990877
DLBC	DAXX	cg08375286	-0.126392906365866	48	-0.86416880897442	0.391979156531412	0.0159751667796107	0.589059876464764
DLBC	DAXX	cg08567382	0.408902809491487	48	3.03898841995456	0.00390657256951499	0.167201507610031	0.0203814570768459
DLBC	DAXX	cg09097215	0.0489467235947005	48	0.33237121420969	0.741118864132822	0.00239578175065601	0.854392899923449
DLBC	DAXX	cg09432361	-0.130392399083148	48	-0.891979583546694	0.377046232634125	0.0170021777386589	0.575564825194049
DLBC	DAXX	cg09615909	-0.546726747380016	48	-4.42855857235739	5.8083194899134e-05	0.298910136300732	0.000604727524623023
DLBC	DAXX	cg11111423	-0.552702303661255	48	-4.49808606823517	4.632585089816e-05	0.305479836472458	0.000496059634517751
DLBC	DAXX	cg12025215	-0.203569907091555	48	-1.41020744557506	0.165204805787066	0.0414407070732642	0.337162040542499
DLBC	DAXX	cg12832355	-0.654407433683697	48	-5.86980545251499	4.53675016302489e-07	0.428249089260482	8.45143539708712e-06
DLBC	DAXX	cg12923297	0.246945293432203	48	1.72839382232185	0.0906256167053002	0.0609819779483167	0.221859192308273
DLBC	DAXX	cg13443893	-0.1484311043933	48	-1.01798520545553	0.314009421124586	0.0220317927514147	0.513097290574599
DLBC	DAXX	cg13826470	0.148496224103147	48	1.01844188410429	0.313794775972178	0.0220511285728919	0.512854278492817
DLBC	DAXX	cg14539675	-0.225865082790929	48	-1.57252785543665	0.122681903656541	0.0510150356241531	0.274834879141189
DLBC	DAXX	cg14622330	-0.299266219902563	48	-2.1272131706832	0.0387959733689485	0.089560270374769	0.119732374033561
DLBC	DAXX	cg14746369	-0.0814486642873286	48	-0.554253020994449	0.582090295639259	0.00663388491418995	0.747320402332913
DLBC	DAXX	cg14910283	-0.473760697446251	48	-3.64865516208216	0.000670727836191602	0.224449198444758	0.00480555599217246
DLBC	DAXX	cg16922466	-0.122286246339273	48	-0.835657389475696	0.407667381488872	0.0149539260437492	0.603813115693035
DLBC	DAXX	cg17079757	-0.109052986672121	48	-0.744071026969601	0.460617656738872	0.0118925539021098	0.650343744684002
DLBC	DAXX	cg17504991	-0.181592394395172	48	-1.25244279624727	0.21673879370904	0.0329757977021716	0.404029946271471
DLBC	DAXX	cg18187593	-0.419882980513683	48	-3.1377844536253	0.00296827332430332	0.176301717325054	0.0163247688222589
DLBC	DAXX	cg18279148	0.0545481767962864	46	0.362371190887463	0.718809448669068	0.00297550359179892	0.840409915633868
DLBC	DAXX	cg18486541	-0.365161324929908	48	-2.66035757589375	0.0107098870889672	0.133342793224566	0.0449666944229555
DLBC	DAXX	cg18944910	-0.0883946994358885	48	-0.601878055727954	0.550210513862673	0.00781362288836106	0.722829585170102
DLBC	DAXX	cg18967278	-0.327795070461189	48	-2.35323317087222	0.0229413547154782	0.107449608218656	0.0807659474361653
DLBC	DAXX	cg20223162	-0.0711883964996224	48	-0.484051288540746	0.630646090502305	0.00506778779618745	0.782053566065968
DLBC	DAXX	cg20763184	-0.191619194918238	48	-1.32416219784148	0.191991380157504	0.0367179158611139	0.372500434656147
DLBC	DAXX	cg21286626	-0.170183035165865	48	-1.17132423025875	0.24750017674122	0.0289622654582661	0.44080819309477
DLBC	DAXX	cg24328964	-0.346044032651136	48	-2.50153390325629	0.0159866711165847	0.119746472533461	0.0612493027748627
DLBC	DAXX	cg24496586	-0.193578794771906	48	-1.33822820989766	0.187399715409788	0.0374727497853437	0.366716367359642
DLBC	DAXX	cg24513883	-0.460889395292887	48	-3.52231364875475	0.000978436505977635	0.212419034693443	0.00659645459277443
DLBC	DAXX	cg24728112	-0.410066142096842	48	-3.04937913821128	0.00379614233761273	0.168154240894188	0.019914835593246
DLBC	DAXX	cg25642825	0.374014127794867	48	2.73519981326813	0.00882551454762631	0.139886567790155	0.0387412300371313
DLBC	DAXX	cg26521092	0.0117906036213015	48	0.0799733235321994	0.936605392210531	0.000139018333754647	0.966176652322889
DLBC	DAXX	cg27052777	-0.501565838875353	48	-3.93215633035194	0.000281587050171943	0.251568290726736	0.00231782700043129
DLBC	DAXX	cg27393652	-0.339990209920106	48	-2.45199356445719	0.0180621767350217	0.115593342841518	0.0673147924175662
DLBC	DIDO1	cg00080059	-0.200495949961571	48	-1.38801396752448	0.171819232725125	0.0401986259509928	0.346076311799144
DLBC	DIDO1	cg01488865	-0.42513188070047	48	-3.18559785201625	0.00259462338205274	0.180737115987918	0.0146564085844053
DLBC	DIDO1	cg06646488	-0.266691801356462	48	-1.87676471874849	0.0669017562893066	0.0711245169107544	0.178342022025505
DLBC	DIDO1	cg08610063	-0.665342014123314	48	-6.04465541856031	2.48204814962525e-07	0.442679995757668	4.91216023566866e-06
DLBC	DIDO1	cg13815390	-0.334401638264799	48	-2.40656672126952	0.0201763837567785	0.111824455674181	0.0733150356380413
DLBC	DIDO1	cg20969846	-0.239517442921625	48	-1.67318943011107	0.101078363307868	0.0573686054637139	0.240085802246344

DLBC	DIDO1	cg21212389	-0.481536981205357	48	-3.72643389309306	0.000530062787492589	0.231877864268368	0.00393846270202469
DLBC	DIDO1	cg21687703	-0.147885037462784	48	-1.01415621955622	0.315813020354626	0.0218699843053689	0.515005934503045
DLBC	DIDO1	cg22394521	-0.603044161908277	48	-5.12724644995555	5.72828987743248e-06	0.363662261211657	8.02786133534467e-05
DLBC	DMAP1	cg01604592	0.31261062728939	48	2.23209815728218	0.0305196928149599	0.097725404294266	0.0999725875972459
DLBC	DMAP1	cg11683482	0.147417377556023	48	1.01087777256679	0.317362867596388	0.021731883205495	0.516578750143559
DLBC	DMAP1	cg15990015	0.15885788364208	48	1.09128430473926	0.280830941625545	0.0252358271952406	0.478010439823785
DLBC	DMAP1	cg18017761	0.29611686572972	48	2.10266312872222	0.0409968377793519	0.0876851981695932	0.124582343679957
DLBC	DMAP1	cg18167340	0.125900456728494	48	0.86074751414969	0.393841490878282	0.0158509250044434	0.590564860088378
DLBC	DMAP1	cg21437596	-0.287253520051476	48	-2.03397069088746	0.0477449326173025	0.0825145847819637	0.139487354965842
DLBC	DMAP1	cg23021241	0.329726421590958	48	2.36878402740245	0.0221019629373489	0.108719513095178	0.0785244762629652
DLBC	DMAP1	cg23451311	0.18744533354354	48	1.29425675998199	0.202036799284625	0.0351357530672488	0.385489611722187
DLBC	DMAP1	cg24485408	0.62124120440405	48	5.37692512574805	2.45684354696738e-06	0.385940634049394	3.78470667114416e-05
DLBC	DNMT1	cg04160663	-0.261554894083146	48	-1.83793260378811	0.0725353772701148	0.0684109626188459	0.189197557061234
DLBC	DNMT1	cg04762346	-0.116804730613968	48	-0.79766834640788	0.42916155355598	0.0136433450938017	0.623260475616218
DLBC	DNMT1	cg06128182	-0.0567081185099424	48	-0.385233089588661	0.701840363647723	0.00321581070493767	0.829242265569256
DLBC	DNMT1	cg06716436	-0.36469736785859	48	-2.65645852939829	0.0108175203488692	0.133004170122984	0.0453317268918298
DLBC	DNMT1	cg10635912	-0.354166830500491	48	-2.56856488914676	0.0135229653114936	0.125434143826763	0.053946236779772
DLBC	DNMT1	cg11380607	-0.301820558171168	48	-2.14718093632614	0.0370830452673466	0.0910956493347555	0.115787213466906
DLBC	DNMT1	cg13393778	-0.108944451286444	48	-0.743321588105206	0.461066749878228	0.0118688934661043	0.650701927481531
DLBC	DNMT1	cg15043801	-0.112500318763233	48	-0.767889084077476	0.446477162078919	0.0126563217218291	0.638267564900721
DLBC	DNMT1	cg21893394	-0.380459369635515	48	-2.79023311568838	0.00764050199317816	0.144749331943454	0.0346964690944663
DLBC	DNMT1	cg23401624	-0.13591641929878	48	-0.930464429943011	0.356988281560395	0.0184732730350017	0.555871127421676
DLBC	DNMT1	cg24477899	-0.39497731944761	48	-2.91596074354742	0.005464349528222	0.156007082878019	0.0266232609255654
DLBC	DNMT1	cg27429799	-0.428401208074918	48	-3.21557650786665	0.00238348751959295	0.183527595080049	0.0136953266931984
DLBC	DNMT3A	cg02208653	-0.15801087855674	48	-1.08531634555679	0.283436808588202	0.0249674377422728	0.480720395206039
DLBC	DNMT3A	cg03463641	-0.19464631407086	48	-1.34589785460482	0.184931587797868	0.0378871875813717	0.363471563152709
DLBC	DNMT3A	cg06112956	-0.193598776728319	48	-1.33837172578833	0.187353301813664	0.0374804863507015	0.366656505780791
DLBC	DNMT3A	cg07150430	0.322288884638688	48	2.30907886050806	0.0254826636233727	0.103870125161649	0.0874420331664531
DLBC	DNMT3A	cg12066181	-0.184801831183428	48	-1.27535394542864	0.208587479688947	0.0341517168087482	0.393788783335887
DLBC	DNMT3A	cg13076778	-0.283232964304937	48	-2.0029999935899	0.0510902878656549	0.0802209120689619	0.146582013539334
DLBC	DNMT3A	cg13344237	-0.191855101348193	48	-1.32585466033807	0.191434416593009	0.0368083799133255	0.3719096013085
DLBC	DNMT3A	cg15990840	-0.29353499570851	48	-2.08259290135853	0.0428765032258068	0.0861627937055951	0.128821823944093
DLBC	DNMT3A	cg15998962	-0.278091992416412	48	-1.96356559075138	0.0556416991004642	0.0773351562461296	0.155805569786967
DLBC	DNMT3A	cg21629895	-0.158751955172992	48	-1.09053780264464	0.281155974105309	0.0252021832712475	0.47838515888866
DLBC	DNMT3A	cg21708767	-0.236378494438683	48	-1.64995493090981	0.105765094727025	0.0558747926330983	0.2479026748778
DLBC	DNMT3A	cg22731525	0.0324493305566918	48	0.220198027853896	0.826691282257528	0.00105295905357745	0.906895981215869
DLBC	DNMT3A	cg25044635	-0.191231586633531	48	-1.32138189853851	0.192909004464571	0.0365695197263777	0.373749485550689
DLBC	DNMT3A	cg26470599	-0.387403713270559	48	-2.85006056276942	0.00652046913628833	0.150081637055817	0.0306293929103565
DLBC	DNMT3A	cg26995204	-0.181959327617169	48	-1.25506010438332	0.215795799975558	0.0331091969068923	0.402976990885489
DLBC	DNMT3B	cg00300969	-0.0691248566124647	48	-0.469951704395762	0.640609918813387	0.0047782458016938	0.788851397213396
DLBC	DNMT3B	cg13636640	0.198677982903653	48	1.37490868719053	0.175820121694814	0.0394729408906644	0.351622163734965
DLBC	DNMT3B	cg14224313	-0.303878638635463	48	-2.163306336428	0.035748632807084	0.0923422270189425	0.112619258518284
DLBC	DNMT3B	cg16523653	-0.421795273543358	48	-3.1551591680586	0.00282698299314356	0.177911252783516	0.0156986447975309
DLBC	DNMT3B	cg16953106	-0.425499618609939	48	-3.18896224538816	0.0025700770445907	0.181049925437203	0.0145494200397709
DLBC	DNMT3B	cg17475857	-0.00391859706662111	48	-0.0265774224310301	0.97891174843258	1.53554029705316e-05	0.989094294612233
DLBC	DNMT3B	cg17721173	-0.525044589781047	48	-4.18415161531468	0.000127428039655609	0.275671821258348	0.00118606567563633
DLBC	DNMT3B	cg22605822	-0.201862403124775	48	-1.3978742200113	0.168855680396268	0.0407484297953091	0.342126808197611
DLBC	DNMT3B	cg24403338	-0.0575714770866753	48	-0.391117467728593	0.697516185596106	0.00331447497394157	0.826595341881637
DLBC	DNMT3B	cg25803642	-0.26388020409493	48	-1.85548959290486	0.0699404093678611	0.0696327621131821	0.184270132636685
DLBC	DNMT3L	cg09247319	-0.115835637436257	48	-0.790959946593192	0.433026698284979	0.0134178949002641	0.626720972007621
DLBC	DNMT3L	cg15635600	0.135854767752162	48	0.930034434219525	0.357208488630937	0.0184565179209937	0.556084950863586
DLBC	DNMT3L	cg27187798	0.0539953155186389	48	0.366749065002416	0.715487889844445	0.00291549409795736	0.83825011882161
DLBC	DPF1	cg06168449	-0.191710086696511	48	-1.32481425410665	0.191776652826381	0.0367527573411836	0.372252437758327
DLBC	DPF1	cg06615189	0.15654434240118	48	1.07498900021348	0.287986035426557	0.0245061311378179	0.485515810780463
DLBC	DPF1	cg07480327	0.541069865089232	40	3.9660729018854	0.000312255630588843	0.29275659890768	0.00252695459544663
DLBC	DPF1	cg08057062	0.147172490475654	48	1.00916131166898	0.318176355233323	0.0216597419528065	0.517493077272504
DLBC	DPF1	cg13322582	0.00508749497159456	48	0.0345055162340593	0.972623341784923	2.5882605086e-05	0.985558207323099

DLBC	DPF1	cg13917712	-0.180061526803643	48	-1.24152905048542	0.220703941167467	0.032422153434859	0.408932558452388
DLBC	DPF1	cg17121541	0.277856733632379	48	1.96176542444657	0.0558575478593893	0.0772043644248545	0.156246883541524
DLBC	DPF1	cg22145401	0.192515571571191	48	1.33059433929255	0.189881194684249	0.0370622452973825	0.369947097579866
DLBC	DPF1	cg27400772	0.251754708917459	32	1.42480889181548	0.164533302421707	0.0633804334621144	0.336161984677863
DLBC	DPF2	cg02186298	0.0201321809153746	48	0.136570773441712	0.891966052865894	0.000405304708409373	0.942755147434878
DLBC	DPF2	cg14699126	-0.423067761654556	48	-3.16674909220291	0.00273628616377831	0.178986330951396	0.0153075396105976
DLBC	DPF2	cg15918224	-0.390961687229015	48	-2.88093344462698	0.00600405979179536	0.152851040880958	0.0286886448893144
DLBC	DPF2	cg15929437	-0.204419783362478	48	-1.41635105938187	0.16340921968953	0.0417874478299625	0.334436264147939
DLBC	DPF2	cg18224556	-0.263556168321132	48	-1.85304092200508	0.0702975397646455	0.0694618538601169	0.184954234593169
DLBC	DPF2	cg19517014	-0.201524788458153	48	-1.39543722192234	0.169584423009345	0.0406122403631032	0.343129697346779
DLBC	DPF3	cg00888802	0.0332639074142721	48	0.225731715841759	0.82241003559954	0.00110648753646526	0.904584759843209
DLBC	DPF3	cg05151458	0.272861266779508	48	1.92363039958954	0.0606022102104931	0.0744532709085177	0.165845440641471
DLBC	DPF3	cg07171024	0.0831767417488497	48	0.566093731204611	0.574081543871761	0.00691837036795484	0.741345070236027
DLBC	DPF3	cg10266394	-0.0293058378880431	48	-0.198847269542548	0.843258513465137	0.000858832134320262	0.916260609108509
DLBC	DPF3	cg12913429	0.0680055731912835	48	0.462306504789808	0.646040856417544	0.00462475798507501	0.792442915251436
DLBC	DPF3	cg13819165	-0.284140168585477	48	-2.00997815383016	0.0503193277783682	0.0807356354037835	0.144956185343099
DLBC	DPF3	cg14238615	0.134467922826234	48	0.920364625036365	0.3621838603459	0.018081622269202	0.561113060735032
DLBC	DPF3	cg14242696	0.254200910140009	48	1.78263133678263	0.0812465803830374	0.0646181027160092	0.205210924490844
DLBC	DPF3	cg15392845	-0.0852013710052206	48	-0.579972737857091	0.564763157082412	0.00725927362116925	0.73441750864008
DLBC	DPF3	cg15740492	0.235888225518101	48	1.64633092422023	0.106511916011191	0.0556432549380785	0.249097763172636
DLBC	DPF3	cg16696021	0.169454209642997	48	1.16615929067135	0.249560787388216	0.0287147291657329	0.443148411186462
DLBC	DPF3	cg19710444	-0.144596818685849	48	-0.991119352196124	0.326812349393087	0.0209082399740682	0.526301362301236
DLBC	DPF3	cg19839347	9.29105747499571e-05	48	0.00063015017959588	0.999499937847227	8.63237490036737e-09	0.999761926316662
DLBC	DPF3	cg20548765	-0.119077120074722	48	-0.813407710994541	0.420174785430168	0.0141793605252897	0.615436761141634
DLBC	DPF3	cg21035356	-0.103338838136564	48	-0.704650651406927	0.484580215048585	0.0106789154674149	0.671298405326049
DLBC	DPF3	cg22784589	0.0405023575158086	48	0.274925946214639	0.784604217741471	0.00164044096433837	0.881045676376207
DLBC	DPF3	cg23515460	0.248716177185804	48	1.74160259048522	0.0882623032347721	0.0618597367939204	0.217907890125226
DLBC	DPF3	cg24383902	-0.0532210550982949	48	-0.361475056314256	0.719399431462224	0.00283248070577574	0.84084113845999
DLBC	DPF3	cg25495195	-0.16345349700915	48	-1.12370826118758	0.266967073840402	0.0267170456845201	0.46271130643533
DLBC	DPF3	cg26057784	0.22335338192336	48	1.55411716585617	0.127010356650439	0.0498867332166022	0.281669158655987
DLBC	EED	cg00080012	0.26965868081211	48	1.89927080499695	0.0638102089625275	0.0727158041373273	0.172181494583651
DLBC	EED	cg01739327	0.246109100311536	48	1.72216319822181	0.0917585176558011	0.0605696892561536	0.223938452833335
DLBC	EED	cg02172616	0.0201916025196058	48	0.136974036235547	0.891649082593098	0.000407700812309753	0.942599420174855
DLBC	EED	cg04607174	-0.395237604444703	48	-2.91823793333323	0.0054308762700515	0.156212763967187	0.0265000055543114
DLBC	EED	cg06358433	-0.233928192126202	48	-1.63185586525812	0.109538048085416	0.0547223990714335	0.254190357293238
DLBC	EED	cg10086030	-0.141783712674405	48	-0.971437718957194	0.336410956195525	0.0201026211797382	0.535978412514841
DLBC	EED	cg10535675	-0.377162421671305	48	-2.76202335055878	0.00822820748802712	0.142251492320963	0.0367138040334719
DLBC	EED	cg12672785	0.0530957205897002	48	0.360621380380137	0.72003328966942	0.00281915554493951	0.841216363112428
DLBC	EED	cg16265078	-0.101113845231943	48	-0.689320326279442	0.494084368901556	0.0102240096975893	0.679319579982337
DLBC	EED	cg18574463	-0.0935422880061259	48	-0.63722871666443	0.527134857905143	0.008750159645421	0.705743453961255
DLBC	EED	cg19325359	-0.353761447856316	48	-2.5652040447719	0.0136377352370426	0.125147161989397	0.0542677225079534
DLBC	ELP3	cg01209934	0.151198766221088	48	1.03740659452435	0.304969121166984	0.0228610669067791	0.503464715999923
DLBC	ELP3	cg02516513	-0.0549942854113206	48	-0.373554702682431	0.710451787123398	0.00302437142790179	0.83507926881841
DLBC	ELP3	cg04720865	0.217412656831871	48	1.51070067382705	0.137704251693165	0.047268263350693	0.297802862121041
DLBC	ELP3	cg05621091	-0.312808797409468	48	-2.23366654608881	0.0304088281680481	0.0978493437367573	0.0997040667030811
DLBC	ELP3	cg15692687	0.143043524739081	48	0.980248875251219	0.332090875054327	0.02046144996978	0.531763734927369
DLBC	ELP3	cg17572663	-0.0231917748400228	48	-0.157336587954749	0.875668179498175	0.000537858420230313	0.934262228017294
DLBC	ELP3	cg18022570	0.0860039072065112	48	0.585476185038529	0.561089048909725	0.0073966720547862	0.731586590460064
DLBC	ELP3	cg18249244	-0.164213013342105	48	-1.12907413665715	0.264720418556647	0.0269659137508945	0.460327251295254
DLBC	ELP3	cg19781013	0.152193350089368	48	1.04439191506926	0.301761623793357	0.023162815811425	0.500169377095936
DLBC	ELP3	cg22414525	-0.0734977821281907	48	-0.499838083234061	0.619571769313176	0.00540192397776299	0.774330338045002
DLBC	ELP3	cg22487209	-0.234307835562945	48	-1.63465792250045	0.108946836468853	0.0549001618061921	0.253162979031069
DLBC	ELP3	cg25374552	0.0898809347023379	48	0.612079539425321	0.543498907785802	0.00807858242296593	0.71780646201872
DLBC	ELP4	cg04972224	-0.221704632366398	48	-1.54204962569891	0.129913512438685	0.0491529440127199	0.285995013488456
DLBC	ELP4	cg05195750	-0.323881709684442	48	-2.32182458566536	0.0247244089055191	0.104899361868117	0.0854796478453524
DLBC	ELP4	cg05635455	-0.191823204293076	48	-1.32562580748938	0.191509656709426	0.036796141705263	0.371964702620355
DLBC	ELP4	cg08111895	-0.236577145343381	48	-1.65142371339139	0.105463637846484	0.0559687456988233	0.24743465355659

DLBC	ELP4	cg08626560	-0.212831012329887	48	-1.47733739841975	0.146399540997798	0.0452970398093645	0.310614899154059
DLBC	ELP4	cg09616795	-0.247841092916519	48	-1.73507314643185	0.0894240604282764	0.0614252073380546	0.21985510893614
DLBC	ELP4	cg10583382	-0.230123507854699	48	-1.60381773993591	0.115599207472214	0.0529568288673515	0.263853673270939
DLBC	ELP4	cg11385473	-0.223357602533768	48	-1.55414807534011	0.12700298808297	0.0498886186096325	0.281669158655987
DLBC	ELP4	cg13263383	-0.211229217950186	48	-1.46569744303237	0.149533363488115	0.0446177825158472	0.315012957083904
DLBC	ELP4	cg19328333	-0.180260611289543	48	-1.24294781920294	0.220185460733476	0.0324938879824798	0.408350470487567
DLBC	ELP4	cg24001477	-0.250343817780956	48	-1.75375934360069	0.0861327821925011	0.0626720271011445	0.214090793593311
DLBC	ELP4	cg24531794	-0.207144019507662	48	-1.43606672164054	0.157749475587022	0.0429086448177908	0.326581757559592
DLBC	ELP4	cg25130734	-0.255903214857557	48	-1.79540263216359	0.0791605073082169	0.0654864553744328	0.201446271034852
DLBC	EP300	cg00500400	-0.0183639517206956	48	-0.12457138703372	0.901405672526119	0.000337234722800039	0.947956498370603
DLBC	EP300	cg02046995	-0.47572999125441	48	-3.66824630090042	0.00063224856103878	0.226319024578921	0.00457111008898242
DLBC	EP300	cg07519229	-0.0202514808484954	48	-0.137380400045409	0.891329692965817	0.000410122476556977	0.942488291382577
DLBC	EP300	cg08131204	-0.282116029633813	48	-1.99441662630573	0.0520525858782868	0.0795894541763462	0.148579249497888
DLBC	EP300	cg09331127	0.0312183204854001	48	0.211836202251107	0.833170640175731	0.00097458353392915	0.910498781825767
DLBC	EP300	cg24349919	-0.624856628204315	48	-5.42816618042425	2.06318510211087e-06	0.390445805810865	3.24642843514589e-05
DLBC	EPC1	cg02900516	0.217124442402667	48	1.50859885216877	0.138239625038511	0.047143023488669	0.298620314615442
DLBC	EPC1	cg16942190	-0.182128744843544	48	-1.25626872811083	0.215361374593424	0.0331708796982846	0.40240723121998
DLBC	EPC1	cg26211455	0.038353458725826	48	0.229613952983414	0.819409714598421	0.0011448306303173	0.902798987663502
DLBC	EPC2	cg00066942	-0.0973047002228185	48	-0.663099231430793	0.510576393069745	0.00946820468545258	0.692851310397498
DLBC	EPC2	cg03664802	-0.660877933670365	48	-5.97246047949548	3.18446697560466e-07	0.436759643212411	6.14568156537307e-06
DLBC	EPC2	cg04098458	0.111183068694186	48	0.758784769805572	0.451851931922641	0.0123616747642561	0.642409612778061
DLBC	EPC2	cg05586854	-0.285089216032565	48	-2.01728445492736	0.0495229250669162	0.0812758610980625	0.14328509154346
DLBC	EPC2	cg10458926	-0.545314364663027	48	-4.41226731466125	6.12344338005225e-05	0.297367756307841	0.000633804090350965
DLBC	EPC2	cg11721798	-0.368756670997853	48	-2.69065042104765	0.00990657070607223	0.135981482405419	0.0423027643818303
DLBC	EPC2	cg12432635	-0.527447832531073	48	-4.21066174657352	0.000117106299128599	0.278201216041726	0.001103297573696
DLBC	EPC2	cg16434205	-0.166269263830577	48	-1.14361164352886	0.258701393695297	0.027645468094762	0.453377252109303
DLBC	EPC2	cg21347644	0.404806321800297	48	3.00254013058335	0.00431821166181984	0.163868158169486	0.0220716792391335
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DLBC	EZH1	cg00728999	-0.194285609277573	48	-1.3433057989275	0.185762929749757	0.0377468979723578	0.364538482787021
DLBC	EZH1	cg01716316	-0.302520948349025	48	-2.15266488461226	0.0366244003467116	0.0915189241899933	0.114728138864947
DLBC	EZH1	cg03623386	-0.122896477792771	48	-0.839891265375875	0.405313565072261	0.015103544253869	0.601714120453145
DLBC	EZH1	cg05375741	-0.164959463020123	48	-1.13434970881906	0.262524725564863	0.0272116244398873	0.457958738172791
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DLBC	EZH1	cg06975499	-0.228821788794823	48	-1.59424280333585	0.117730438439717	0.0523594110272625	0.267259672823232
DLBC	EZH1	cg12812489	-0.150126974587253	48	-1.02988262486863	0.308450007310758	0.0225381084987217	0.50703771513435
DLBC	EZH1	cg19395400	-0.161823155680587	48	-1.11219704924242	0.271832349278392	0.0261867337144235	0.468156056040873
DLBC	EZH1	cg22227424	0.039154385872864	48	0.265761758562661	0.791610215196459	0.00153306593308113	0.885669970353984
DLBC	EZH1	cg27088844	0.0494794055509458	48	0.335997203980752	0.738400808479523	0.00244821157367496	0.852689781270593
DLBC	EZH2	cg01893439	-0.268827015842404	48	-1.8929561346679	0.0646650792391729	0.0722679644467321	0.173882342780816
DLBC	EZH2	cg02303805	-0.32621675780288	48	-2.34054946862487	0.0236470402090689	0.106417373071423	0.0826897040510767
DLBC	EZH2	cg06816161	0.222099620216395	48	1.5449393518633	0.129213514055476	0.0493282413002668	0.284942617001716
DLBC	EZH2	cg13751213	-0.273685091262643	48	-1.9299077228902	0.0597982471193768	0.0749035291794413	0.164240391060754
DLBC	EZH2	cg18494018	-0.230187053972187	48	-1.60428539251309	0.1154959229036	0.0529860798163946	0.263672080829988
DLBC	EZH2	cg20101066	0.030414898897511	48	0.206379360084892	0.837405353545628	0.000925066074945817	0.912959135513882
DLBC	FBXL19	cg00026853	-0.121717943981204	48	-0.831715289158277	0.409866534632558	0.0148152578870115	0.605801630064887
DLBC	FBXL19	cg02291855	0.178257178152442	48	1.22867758788643	0.225441669690795	0.0317756215628714	0.414845521144993
DLBC	FBXL19	cg03181514	0.10337404302199	48	0.704893300319599	0.484430609916443	0.0106861927707122	0.671138959749247
DLBC	FBXL19	cg03627896	0.0897830516579597	48	0.611407546490563	0.543939717278648	0.00806099636501586	0.718191558040709
DLBC	FBXL19	cg04477789	0.0916210254218569	48	0.624028724810193	0.535691351000771	0.00839441229935255	0.71204013463451
DLBC	FBXL19	cg05643349	-0.133516834607543	48	-0.913736327460808	0.365620074281001	0.0178267451236179	0.564494331000346
DLBC	FBXL19	cg05768582	-0.402490527413385	48	-2.9820314118541	0.00456734460557366	0.161998624657505	0.0230587323152701
DLBC	FBXL19	cg06862768	-0.0101813666748953	48	-0.0690569677915872	0.945243598929388	0.00010366022736867	0.970711134015984
DLBC	FBXL19	cg07697662	-0.0995704785838972	48	-0.678692597056053	0.500733112249168	0.00991428020542632	0.684581064537482
DLBC	FBXL19	cg08535091	0.151036367682982	48	1.03626631797971	0.305494920458571	0.0228119843628691	0.504011872885162
DLBC	FBXL19	cg08593668	0.146845316094382	48	1.00686837910833	0.319265251396113	0.021563546858859	0.518613538391539
DLBC	FBXL19	cg09011601	0.0549402238012416	48	0.373186370949133	0.710724017290182	0.00301842819133051	0.835247812572851
DLBC	FBXL19	cg11940219	0.0182297312982368	48	0.123660602513332	0.902122770216702	0.000332323103205914	0.948281470876085

DLBC	FBXL19	cg26666512	-0.0850243331351024	48	-0.578758841962627	0.565575161843394	0.00722913722506888	0.734889415789574
DLBC	FBXL19	cg27602786	0.013099029305983	48	0.0888495621457161	0.929587176318486	0.000171584568759001	0.962682628623478
DLBC	FBXW9	cg02753619	0.229653109798465	48	1.6003566302239	0.11636595292472	0.0527405508401058	0.264997305167462
DLBC	FBXW9	cg03160342	-0.0781696314593588	48	-0.531799502990667	0.597423977247851	0.00611049128249198	0.758275077989932
DLBC	FBXW9	cg05868316	-0.0693687972116817	48	-0.471618161971814	0.639428734098252	0.00481203002659542	0.788156652096831
DLBC	FBXW9	cg06489804	0.118117873221682	48	0.806762065521602	0.423955271587808	0.0139518319744133	0.618960704200492
DLBC	FBXW9	cg12110584	0.2800862022792	48	1.97884042557295	0.053838884480311	0.0784482807071852	0.152286738874352
DLBC	FBXW9	cg14342428	0.227111107085821	48	1.58167340968107	0.12057640728112	0.0515794549617471	0.271525847431991
DLBC	FBXW9	cg15828427	-0.101695191720058	48	-0.693324817650341	0.491591854814442	0.0103419120189793	0.677165979085098
DLBC	FBXW9	cg19721801	0.117813288742617	48	0.804652389621781	0.425159680194987	0.0138799710043513	0.620015074294317
DLBC	FBXW9	cg21564527	0.0629680536549579	48	0.427919305712706	0.67070671733912	0.00396497578109365	0.809208554237496
DLBC	FBXW9	cg22303873	0.297651430055584	48	2.11461599648494	0.0399119924496938	0.0885963738141341	0.122288835786982
DLBC	FKBP1A	cg04613791	0.27345749355887	48	1.92817303076608	0.0600194977737162	0.0747790007834993	0.164719713508746
DLBC	FKBP1A	cg07516946	0.242862055822241	48	1.69800753218349	0.0962623250672958	0.0589819781582054	0.231774413998304
DLBC	FKBP1A	cg10996143	0.167534152678687	48	1.15256190251394	0.255044747614357	0.0280676923137657	0.44932255572147
DLBC	FKBP1A	cg21332426	0.0736879471944688	48	0.501138394709448	0.618663524856606	0.00542991356173482	0.773688979049231
DLBC	FKBP1A	cg21775445	0.209641907845136	48	1.45417493572097	0.152687396385024	0.0439497295249486	0.319652836813437
DLBC	FKBP1A	cg24641773	-0.174066986445917	48	-1.19888209847683	0.236713505716522	0.0302993157703632	0.428074072800017
DLBC	FKBP1A	cg26779912	0.21942424904593	48	1.52538192276735	0.134010570751156	0.0481470010693702	0.292186612696621
DLBC	FKBP2	cg03764062	0.285454533221057	48	2.02009859181624	0.0492191035197584	0.0814842905364517	0.142653065802916
DLBC	FKBP2	cg04446112	0.307350484254619	48	2.19058461936297	0.0335874203027103	0.0944643201715489	0.107367676488702
DLBC	FKBP2	cg06615912	0.187743083229238	48	1.29638768717136	0.201308157593138	0.0352474653004204	0.384563190624477
DLBC	FKBP2	cg09854726	-0.0856368240314225	48	-0.582958745114772	0.562768211785692	0.00733366563018882	0.732878957223432
DLBC	FKBP2	cg10998122	0.347738187809064	48	2.51546082944726	0.015443518127619	0.120921847260732	0.0597183144060041
DLBC	FKBP2	cg12423493	-0.0468359522008429	48	-0.318005864239462	0.751919708842219	0.00219360641855964	0.861105248249702
DLBC	FKBP2	cg15010817	0.377222659559808	48	2.76253766172774	0.00821712863231254	0.142296934885375	0.0366740553317197
DLBC	FKBP2	cg16977872	0.175537437170073	48	1.20933039081503	0.232714870799274	0.0308133918482373	0.423451469112313
DLBC	FKBP2	cg19924313	0.381454033789259	48	2.79876812238894	0.00747049572839483	0.145507179894097	0.0340689489198409
DLBC	FKBP2	cg21809711	0.251715776460107	48	1.76401873980811	0.0843691375533553	0.0633608321189146	0.210861520171984
DLBC	FKBP2	cg22074794	-0.0929028458176067	48	-0.632834653571925	0.529975158838655	0.00863093876101	0.708065445628081
DLBC	FKBP2	cg24677501	0.284165509658638	48	2.01017316001419	0.0502979285368637	0.0807500368795533	0.144905271732651
DLBC	FKBP5	cg00130530	-0.115057022021393	48	-0.78557175974535	0.436146196501752	0.0132381183164314	0.629245696679537
DLBC	FKBP5	cg00140191	-0.45124611696876	48	-3.42951775082616	0.00128611777370095	0.203623058079383	0.00827493557913254
DLBC	FKBP5	cg00610228	-0.100866495027062	48	-0.687616719455738	0.495146858079774	0.0101740498190444	0.680027093380728
DLBC	FKBP5	cg01294490	-0.145904537892271	48	-1.00027701270499	0.322409454354395	0.0212881341775572	0.52180230049777
DLBC	FKBP5	cg07485685	-0.359871737687873	48	-2.61603880463775	0.0119932619554588	0.129507667586489	0.049108048874307
DLBC	FKBP5	cg07843056	-0.0761172905431229	48	-0.517754655051327	0.607110684926143	0.00579384191962619	0.76529513120007
DLBC	FKBP5	cg08636224	-0.0831572308441897	48	-0.565960016910572	0.574171684534614	0.00691512504167385	0.741424779709904
DLBC	FKBP5	cg08915438	-0.16095089163251	48	-1.10604217597047	0.274459318359438	0.0259051895172999	0.470966983841494
DLBC	FKBP5	cg10913456	-0.267310753678298	48	-1.88145518199731	0.0662471461240109	0.0714550390320596	0.17699730348495
DLBC	FKBP5	cg16012111	0.24492780372275	48	1.71336811832586	0.0933776903560707	0.0599896290364502	0.226768565131921
DLBC	FKBP5	cg17030679	-0.316363446977796	48	-2.26185452791516	0.0284763321569918	0.100085830583673	0.0949642031818328
DLBC	FKBP5	cg20813374	0.0182848845170991	48	0.124034856952786	0.901828094458237	0.000334337001803649	0.94812912737731
DLBC	FKBP5	cg25114611	-0.421142919457962	48	-3.1492262768707	0.00287450045670486	0.177361358609576	0.0159114051891916
DLBC	FMR1	cg02921434	0.180953077447203	48	1.24788388633586	0.218388637252498	0.0327440162376134	0.406068233739476
DLBC	FMR1	cg03513471	0.191898479751971	48	1.32616589579601	0.191332127535656	0.0368250265311176	0.3718241245412
DLBC	FMR1	cg04552106	0.170869421655229	48	1.17619022865313	0.245570113863112	0.0291963592567923	0.438494306192001
DLBC	FMR1	cg04744025	0.141164583821158	48	0.967109284982208	0.338546792312461	0.0199274397254008	0.537919283619602
DLBC	FMR1	cg05288927	-0.0813981437857767	48	-0.553907120319411	0.582325189467327	0.00662565781176998	0.747535614749283
DLBC	FMR1	cg07147350	-0.0333947290759655	48	-0.226620472014342	0.821722936964354	0.00111520793005714	0.904309798011949
DLBC	FMR1	cg08434396	0.20483198550082	48	1.41933200258742	0.16254347587532	0.0419561422842082	0.333181575733681
DLBC	FMR1	cg14470409	-0.032102848194275	48	-0.217844393227183	0.82851384035029	0.00103059286218467	0.907845592656071
DLBC	FMR1	cg16783314	0.161508309106982	48	1.10997511962582	0.272778635648771	0.0260849339105963	0.469146967649161
DLBC	FMR1	cg22625568	0.0336787814748842	48	0.228550263916087	0.820231499102053	0.001134260321633	0.903338041552517
DLBC	FXR2	cg01807919	0.341215176931051	48	2.46198971013906	0.0176247261514854	0.116427796968089	0.0660642741750339
DLBC	FXR2	cg01933235	-0.121558287967986	48	-0.830607964843315	0.410485578517347	0.0147764173737077	0.606359469375257
DLBC	FXR2	cg05529097	-0.30696015083172	48	-2.18751298125773	0.033824876148242	0.0942245341986323	0.10795816915879

DLBC	FXR2	cg05913233	-0.231193580999542	48	-1.61169558446424	0.113869306762838	0.0534504718953919	0.26115415242654
DLBC	FXR2	cg09625173	0.0800406111826624	48	0.544609159279709	0.588652964622082	0.00640649943849415	0.752170899934468
DLBC	FXR2	cg17777561	-0.229741705617438	48	-1.60100841275756	0.116221247878991	0.0527812513000096	0.264857699927869
DLBC	FXR2	cg19178740	0.00872353378340332	48	0.0591681361296286	0.953074490418808	7.61000416701791e-05	0.975225602846894
DLBC	FXR2	cg22521096	0.0883813038802533	48	0.601786127480395	0.550271185081157	0.00781125487557367	0.722897083138348
DLBC	FXR2	cg26904212	0.198233670698222	48	1.37170800219453	0.1768080741994	0.0392965881984913	0.352881300330138
DLBC	G2E3	cg02259031	-0.198955410658329	48	-1.3769076366722	0.17520526822746	0.0395832554302245	0.350802737034648
DLBC	G2E3	cg05076167	0.0603600538081769	48	0.410129604466985	0.683614811828368	0.00364333609572601	0.817755236712911
DLBC	G2E3	cg07906495	-0.0221081960867506	48	-0.149981739134239	0.881434722284357	0.000488772334210215	0.937111638131926
DLBC	G2E3	cg08810065	-0.501709430374925	48	-3.93366065675089	0.000280273289356347	0.251712352527132	0.00230872302755058
DLBC	G2E3	cg09837748	0.152579332329502	48	1.04710368083975	0.30052271521943	0.0232804526541165	0.498812949023455
DLBC	G2E3	cg18580322	-0.0672254420519124	48	-0.45697890380577	0.64983701389554	0.00451926005907503	0.79525902806405
DLBC	G2E3	cg18755078	-0.275165154130267	48	-1.94119695540872	0.0583753682116742	0.0757158620475337	0.161397924251305
DLBC	G2E3	cg18956956	0.0751964536703846	48	0.511455225762561	0.611478803893923	0.0056545066446023	0.768425524111523
DLBC	G2E3	cg19554565	-0.0289524633134471	48	-0.19644751286338	0.845125252385838	0.000838245131916498	0.917249241515463
DLBC	G2E3	cg21061067	-0.0616903378334831	48	-0.419202667667629	0.677019215901624	0.00380569778200927	0.813443601739864
DLBC	G2E3	cg22926526	0.332960205312894	48	2.39489668279358	0.020754364488171	0.110862498322004	0.0749218111829593
DLBC	GADD45	cg01810953	-0.0503135295735886	48	-0.341675701916248	0.734150974551251	0.00253145125815238	0.850116711533447
DLBC	GADD45	cg02639608	-0.131952749114917	48	-0.902841526397314	0.37131361564361	0.0174115279989841	0.569950567538044
DLBC	GADD45	cg04718306	-0.111544410868061	48	-0.761281819562624	0.45037403874106	0.0124421555959027	0.641187306147577
DLBC	GADD45	cg07000785	-0.101559432970603	48	-0.692389606031854	0.492173333569627	0.0103143184253104	0.677690047642669
DLBC	GADD45	cg22224769	-0.0493330467149855	48	-0.335000904369715	0.7391473037188	0.00243374949818294	0.853039953102718
DLBC	GADD45	cg23369529	0.0405445205417368	48	0.275212615610503	0.784385346922998	0.00164385814595932	0.881016705439153
DLBC	GADD45	cg23723105	-0.103863618732184	48	-0.708267968311962	0.482352642132291	0.0107876512961444	0.669357808536808
DLBC	GATAD2A	cg02887458	-0.176099043031361	48	-1.21332308254568	0.231199981816578	0.0310108729565611	0.421706437839524
DLBC	GATAD2A	cg08505228	-0.208597056939626	48	-1.44659678618137	0.154790090727163	0.0435127321638735	0.322471756146669
DLBC	GATAD2A	cg08870822	-0.167422882262368	48	-1.15177432717409	0.255365016105381	0.0280304215050387	0.449657448232277
DLBC	GATAD2A	cg09334331	-0.123140983356473	48	-0.841587952206204	0.40437265399073	0.0151637017819993	0.600797674647725
DLBC	GATAD2A	cg11795262	-0.284748904260754	48	-2.01466380242553	0.0498073171691524	0.0810819384777001	0.143880818115746
DLBC	GATAD2A	cg14948912	-0.294963567049769	48	-2.09369172973185	0.0418279515037754	0.0870035058867238	0.126490326891534
DLBC	GATAD2A	cg15264323	-0.202294509693978	48	-1.40099404541612	0.167926294742034	0.0409230686523269	0.340936351310431
DLBC	GATAD2A	cg22191731	-0.311932445224252	48	-2.22673322559223	0.0309016390063525	0.0973018503835808	0.10087118600454
DLBC	GATAD2A	cg26631329	-0.511905074959967	48	-4.04160571035192	0.00020001062269861	0.26204680576977	0.00173720429229271
DLBC	GATAD2E	cg02134200	-0.314821121448238	48	-2.24961116102739	0.0293018744119041	0.099112338509926	0.0970045541512262
DLBC	GATAD2E	cg02940454	-0.0744396115987932	48	-0.506278668071318	0.615079032351265	0.00554125577497918	0.770994531039068
DLBC	GATAD2E	cg09805553	-0.355147175497193	48	-2.57669933613143	0.0132488198403652	0.126129516263634	0.0531003962216058
DLBC	GATAD2E	cg10226922	-0.519368328076712	48	-4.12208222384446	0.000155176930654791	0.269743460209199	0.00140207132907768
DLBC	GATAD2E	cg10489353	-0.17047035245019	48	-1.17336089399959	0.246691018131795	0.0290601410644919	0.439890000791823
DLBC	GATAD2E	cg15064304	-0.613051909639327	48	-5.26290632155119	3.6197557366004e-06	0.375832643912426	5.35148760496183e-05
DLBC	GATAD2E	cg20773694	-0.566875520329093	48	-4.66705593543318	2.66181527908752e-05	0.32134785554838	0.000307139213618117
DLBC	GATAD2E	cg23046518	-0.466166659078333	48	-3.57376184544082	0.000839594222098532	0.217311354036255	0.00580023573295752
DLBC	GATAD2E	cg23323627	-0.404058899727495	48	-2.99591343249486	0.00439728472206963	0.163263594448993	0.0223961177267845
DLBC	GATAD2E	cg26398333	-0.415115859149033	48	-3.09469119680659	0.00334794742593426	0.17232117651704	0.0179831679937257
DLBC	GLYR1	cg00636946	-0.410953687795033	48	-3.05731859465539	0.0037137449359711	0.168882933512337	0.0195431964789918
DLBC	GLYR1	cg00885266	-0.575709000471481	48	-4.7754248773967	1.85999787230235e-05	0.331440853223872	0.000225173785368641
DLBC	GLYR1	cg01261535	-0.549702726184225	48	-4.46306230081754	5.19235993560306e-05	0.302173087174369	0.000548228079302802
DLBC	GLYR1	cg01565912	-0.131375964484982	48	-0.898825609509163	0.373426561264214	0.0172596440443591	0.571992319189341
DLBC	GLYR1	cg02454264	-0.34917165957921	48	-2.5272666702963	0.0149962821106013	0.121920847853299	0.0583631382516444
DLBC	GLYR1	cg06399529	-0.402925495395742	48	-2.98587826209513	0.00451961314603535	0.162348954839904	0.0228667263971562
DLBC	GLYR1	cg06976003	-0.0570205821598872	48	-0.38736264187687	0.700274285905191	0.00325134678985245	0.828297670635676
DLBC	GLYR1	cg11289281	-0.0145807607668131	48	-0.0989020447017219	0.921645789166022	0.000212598584539035	0.958959333962598
DLBC	GLYR1	cg15663121	0.207585232719309	48	1.43926311037356	0.156846514011023	0.0430916288431298	0.325439887738339
DLBC	GLYR1	cg18354686	-0.39739418855185	48	-2.93713767035995	0.00516034931562411	0.157922141094783	0.0254239527966854
DLBC	GTF2B	cg02705666	-0.420894939000827	48	-3.14697255645874	0.00289274738747251	0.17715254967651	0.0159851202523193
DLBC	GTF2B	cg04270788	-0.259760971376047	48	-1.82441129032827	0.0745889362845669	0.0674757622502274	0.193087936451462
DLBC	GTF2B	cg05306856	-0.371977736173343	48	-2.71790836870596	0.00923150307799341	0.138367436208645	0.0400868294975953
DLBC	GTF2B	cg06356032	-0.433997886689407	48	-3.26725663500078	0.00205714389250853	0.188354165650871	0.0121698442565634

DLBC	GTF2B	cg07167781	0.478359913973475	48	3.6945208938723	0.000583958192429864	0.22882820729671	0.00427642319701486
DLBC	GTF2B	cg10430205	0.297018673021397	48	2.10968522052211	0.0403564258048442	0.0882200921233918	0.123194466687414
DLBC	GTF2B	cg12074130	0.127934251362632	48	0.87488151540907	0.386183616797959	0.0163671726717172	0.584194148585937
DLBC	GTF2B	cg13868361	0.536327529450019	48	4.30984293597543	8.52340612646223e-05	0.28764721884596	0.000838373822483251
DLBC	GTF2B	cg14010405	0.395150752285721	48	2.9174779858029	0.00544202571215636	0.156144117031971	0.0265444196032034
DLBC	GTF2B	cg17811845	0.534596981495043	48	4.29035916516933	9.07411103309112e-05	0.285793932623611	0.00088626658767471
DLBC	GTF2B	cg22607980	-0.376755222284108	48	-2.75854775290794	0.00830343840994776	0.141944497518347	0.0369667899544166
DLBC	GTF2H1	cg05849260	-0.302154225338925	48	-2.14979302148597	0.0368639597510304	0.0912971758901659	0.115278967917018
DLBC	GTF2H1	cg07583091	-0.526395132364686	48	-4.199032302567	0.000121529947219227	0.277091835377235	0.00113893515407451
DLBC	GTF2H1	cg08690812	-0.330614869885741	48	-2.37594882371292	0.0217245926301023	0.109306192189566	0.0775668240474635
DLBC	GTF2H1	cg10797557	-0.125472985859404	48	-0.857778183749183	0.395462281545189	0.0157434701804742	0.592184803575031
DLBC	GTF2H1	cg11063328	-0.5081368873563	48	-4.00144756867887	0.00022685367741855	0.258203096292149	0.00193041511497469
DLBC	GTF2H1	cg11176342	-0.385024725058397	48	-2.82950160356336	0.00688692582391096	0.148244038906294	0.0320048690289922
DLBC	GTF2H1	cg11347316	-0.270114366728021	48	-1.90273268189101	0.0633456498093502	0.0729617711128798	0.171262649658323
DLBC	GTF2H1	cg11662851	-0.00059383230949217	48	-0.0040275673877516	0.99680389110983	3.52636811796809e-07	0.998356725052439
DLBC	GTF2H1	cg13777411	-0.207344449342935	48	-1.43751863086453	0.157338816583374	0.042991720673325	0.326017896262706
DLBC	GTF2H1	cg14132868	-0.13051514593595	48	-0.892833806148794	0.376593366494621	0.0170342033186823	0.575125456926735
DLBC	GTF2H1	cg17174493	0.0640160084217114	48	0.435070077837529	0.665546042990116	0.00409804933424863	0.805836605429406
DLBC	GTF2H1	cg18321761	-0.352255591636235	48	-2.55273411452797	0.0140713785879058	0.124084001838994	0.0555641249615525
DLBC	H2AFZ	cg02758870	0.433055641562084	48	3.25852360117782	0.00210914406532297	0.187537188688748	0.0124029596657143
DLBC	H2AFZ	cg09308803	0.104251175194238	48	0.710939781856446	0.480711015968985	0.0108683075293798	0.667936571699136
DLBC	H2AFZ	cg16267491	0.0200206943575927	48	0.135814177428888	0.892560796123637	0.000400828202560143	0.943086652841716
DLBC	H2AFZ	cg17709884	0.280864560773112	48	1.98480986155885	0.0531481494334967	0.0788849014982732	0.150854025723491
DLBC	H2AFZ	cg20934652	0.169898903302859	48	1.16931044909492	0.248302129425716	0.0288656373435143	0.441588730917956
DLBC	H2AFZ	cg23752380	-0.231298847411749	48	-1.61247088569661	0.113700201717362	0.0534991568140034	0.260920162017712
DLBC	H2AFZ	cg24061702	-0.0569531007474876	48	-0.386902722105627	0.700612400849271	0.00324365568475348	0.828515062587782
DLBC	H3F3A	cg06319713	-0.137593355759454	48	-0.942164656095298	0.351030341887521	0.0189319315491475	0.549974017262514
DLBC	H3F3A	cg10632229	0.122224598735153	48	0.835229722892054	0.407905609133813	0.0149388525359692	0.603993470572839
DLBC	H3F3A	cg10983539	0.0747812060692216	48	0.508614955513669	0.613452981975754	0.00559222878116739	0.769911450832005
DLBC	H3F3A	cg11978873	-0.0505695581732265	48	-0.343418820800185	0.732848088631516	0.00255728021383534	0.849202118224475
DLBC	H3F3A	cg15538837	0.290107776275017	48	2.05602826148446	0.0454798176646105	0.0841625218552355	0.134641660052702
DLBC	H3F3A	cg15624314	0.109579388592737	48	0.747706224648916	0.458442892224478	0.012007642404358	0.648445812363982
DLBC	H3F3A	cg16724613	-0.116399619900501	48	-0.794863749431784	0.430774938619158	0.0135488715129811	0.624763801989948
DLBC	H3F3A	cg16727519	-0.0319427169682129	48	-0.216756657695291	0.82935646105642	0.00102033716731136	0.908321106719928
DLBC	H3F3A	cg18947521	0.0137594459212692	48	0.0933299377628744	0.926046768745291	0.000189322352060332	0.961054615617427
DLBC	H3F3A	cg19410789	-0.15131618381298	48	-1.03823109222293	0.304589319036969	0.0228965874837236	0.503115304269104
DLBC	H3F3A	cg21266749	0.0934570640676903	48	0.636643036409312	0.527512974863145	0.00873422282415238	0.706103863975077
DLBC	H3F3A	cg21789564	0.115430311057321	48	0.788154816744242	0.434649065309396	0.0133241567107898	0.628071170384158
DLBC	H3F3A	cg22519151	0.1281019037316	48	0.876047125504842	0.385556300661641	0.0164100977396602	0.58356291788925
DLBC	H3F3A	cg27530209	0.0932638307524526	48	0.635315140930894	0.5283707971111106	0.00869814212662213	0.706777821938225
DLBC	H3F3A	cg27560444	-0.153156492585945	48	-1.05115950696543	0.298676295914427	0.0234569112212286	0.496882591941467
DLBC	HAT1	cg00414306	-0.0862423199638495	48	-0.587111337624946	0.559999725564167	0.007437737752747	0.730680263166932
DLBC	HAT1	cg01583365	0.186995332927337	48	1.29103690877336	0.203141547998617	0.0349672545366057	0.386991712827025
DLBC	HAT1	cg04507121	0.322911486346003	48	2.31405828075945	0.0251839941273938	0.104271828014185	0.0866963288408918
DLBC	HAT1	cg04950839	0.0296979321204237	48	0.201510057687171	0.84118823037754	0.000881967172229292	0.914967592650974
DLBC	HAT1	cg05421799	0.16829812653117	48	1.15797055789236	0.252853102916246	0.0283242593939018	0.446853548992415
DLBC	HAT1	cg09545452	-0.1542294424102	48	-1.05870228118417	0.295263277855201	0.0237867209061613	0.493204169393635
DLBC	HAT1	cg10190161	0.046427773244477	48	0.315228405229139	0.754013870619319	0.00215553812844057	0.86253793857835
DLBC	HAT1	cg12941622	-0.308334674840813	48	-2.19833490454513	0.0329948106675489	0.0950702717091899	0.105967141050263
DLBC	HAT1	cg13293756	-0.0854953853152693	48	-0.581988828638001	0.563415825665247	0.00730946091020637	0.733329497595781
DLBC	HAT1	cg14446129	0.209881559114723	48	1.45591382450068	0.152208090868609	0.0440502688564272	0.318920389491288
DLBC	HAT1	cg16017358	0.266811411298231	48	1.87767093598862	0.0667748558809939	0.0711883291989536	0.178075532591689
DLBC	HDAC1	cg03762702	0.149736718507102	48	1.02714395406771	0.30972373677353	0.0224210848692753	0.508422451067924
DLBC	HDAC1	cg04967775	0.410982426710542	48	3.05757585049883	0.00371110336744	0.168906555064886	0.0195319379856997
DLBC	HDAC1	cg06473843	0.0174802293841239	48	0.118574801012303	0.906128528278683	0.000305558419321588	0.950325748610222
DLBC	HDAC1	cg10842753	0.222585019388031	48	1.548491622069	0.128357172477864	0.0495440908559699	0.283555810755159
DLBC	HDAC1	cg14172124	0.169149035552199	48	1.16399721092025	0.250427040212605	0.028611396228239	0.444083883342287

DLBC	HDAC1	cg20002354	0.0756513347153377	48	0.514566893712767	0.609319328703142	0.00572312444421206	0.766863842896723
DLBC	HDAC1	cg20793809	0.0303466248931462	48	0.205915661421582	0.837765427304089	0.000920917642405318	0.913167557706555
DLBC	HDAC1	cg21930229	0.378134301041112	48	2.77032625544248	0.00805102970504146	0.142985549623851	0.036110842370384
DLBC	HDAC1	cg23018091	-0.0146139379658679	48	-0.0991271353541809	0.921468058456582	0.000213567182870235	0.958838426887501
DLBC	HDAC1	cg26115470	0.0523926500579423	48	0.355832955906626	0.723592390567533	0.002744989780094	0.843376229407606
DLBC	HDAC10	cg00711351	0.293421054028292	48	2.08170832680355	0.0429610516585768	0.0860959149470738	0.128979316638134
DLBC	HDAC10	cg01120165	0.0478303823039023	48	0.324773147870493	0.746825200574703	0.00228774547133745	0.857811760316905
DLBC	HDAC10	cg04321608	0.085224510074788	48	0.580131399644747	0.564657067134278	0.00726321711748764	0.734318486804481
DLBC	HDAC10	cg04586023	0.017740000980165	48	0.120337477599946	0.904739896758545	0.000314707634776254	0.949535043014871
DLBC	HDAC10	cg07482373	0.183362717412316	48	1.2650753964507	0.212215554717008	0.0336218861368288	0.398385542076615
DLBC	HDAC10	cg07744063	0.0466381424566682	48	0.316659845415672	0.752934352049097	0.00217511633180848	0.86173387546795
DLBC	HDAC10	cg09151829	0.154121444520798	48	1.05794288920576	0.295605667614913	0.0237534196611774	0.493522183638208
DLBC	HDAC10	cg10508940	0.049021565523211	48	0.332880649308806	0.740736787194471	0.00240311388634647	0.854170102471083
DLBC	HDAC10	cg11645658	0.270177685251652	48	1.90321382608558	0.0632813127016827	0.0729959816079409	0.171142236756986
DLBC	HDAC10	cg12464820	-0.0458881019502072	48	-0.311556447584036	0.756785338906136	0.00210571790059261	0.864386413960709
DLBC	HDAC10	cg26943378	0.287281775169104	48	2.03418875442078	0.0477220685659394	0.0825308183443118	0.139451979641601
DLBC	HDAC11	cg01409735	-0.0138346647245205	48	-0.0938402422122515	0.925643619055113	0.000191397948039891	0.960857180801055
DLBC	HDAC11	cg01712016	0.0880192370813677	48	0.599301534849537	0.551912265437216	0.00774738609638601	0.72422135071979
DLBC	HDAC11	cg02762546	0.158585301008619	48	1.08936343090833	0.281667837808934	0.0251492976959944	0.478784857197663
DLBC	HDAC11	cg02941903	0.00572573389293437	48	0.0388344532375758	0.969190430878353	3.27840286126973e-05	0.983792974874382
DLBC	HDAC11	cg05987698	0.152732178954596	48	1.04817765914991	0.300033022242236	0.0233271184882186	0.498314298406215
DLBC	HDAC11	cg07450135	-0.0679652801017993	48	-0.462031318090175	0.646236707550409	0.00461927929931604	0.792579827008932
DLBC	HDAC11	cg08051076	0.0331719214865788	48	0.225106802889655	0.822893240951204	0.00110037637511175	0.904671034879323
DLBC	HDAC11	cg08448040	0.16454654529866	48	1.13143114424556	0.263737821554498	0.0270755655697238	0.45918749563713
DLBC	HDAC11	cg10455785	0.0921824626476629	48	0.627885333157051	0.533183967653219	0.00849760641978776	0.710297170690022
DLBC	HDAC11	cg11432034	0.0696668501739156	48	0.473654398554781	0.63798673123065	0.00485347001315481	0.787059189649381
DLBC	HDAC11	cg13397067	-0.0671443730359287	48	-0.456425323081473	0.650232006549149	0.00450836683038795	0.795392720372352
DLBC	HDAC11	cg13706066	0.0298860733872794	48	0.202787794579394	0.840195208235041	0.000893177382509848	0.914394463222514
DLBC	HDAC11	cg16254764	0.0126844367755282	48	0.0860369575955575	0.931810446016758	0.000160894936312373	0.963829412408657
DLBC	HDAC11	cg18521047	0.0753677185788549	48	0.512626745963904	0.610665366315443	0.00568029300378147	0.76781224924595
DLBC	HDAC11	cg19779799	0.126172323980497	48	0.862636232301514	0.392812710174951	0.0159194553386396	0.58968144755799
DLBC	HDAC11	cg20894727	-0.0396451850333025	48	-0.269098286664017	0.789057401355953	0.00157174069632479	0.883959728710075
DLBC	HDAC11	cg20922324	0.0193940718991331	48	0.131561739823616	0.895904694090765	0.000376130024828744	0.944774430962409
DLBC	HDAC11	cg21655280	-0.0241217514516175	48	-0.163649295442401	0.870724143410179	0.000581858893093612	0.931388810379247
DLBC	HDAC11	cg25127083	-0.00251855472824621	48	-0.0170817234233051	0.986445295375037	6.34311791917134e-06	0.992903494829801
DLBC	HDAC11	cg25150878	0.126565012176616	48	0.865364667403799	0.391329511089953	0.016018702307267	0.588442794737253
DLBC	HDAC11	cg27025856	0.101107489056383	48	0.689276546960109	0.494111656987648	0.010227243432866	0.679319579982337
DLBC	HDAC2	cg00161229	-0.0934214580179323	48	-0.636398346897411	0.527670989461271	0.00872756881819628	0.706221525474446
DLBC	HDAC2	cg01129566	-0.051305942239865	48	-0.348432722226831	0.729104914099694	0.00263229970912036	0.84676402051338
DLBC	HDAC2	cg08198132	-0.153986504298591	48	-1.05699410559321	0.296033834766854	0.0237118435060999	0.493995473241838
DLBC	HDAC2	cg10999867	0.0903688321420836	48	0.615429351216396	0.541304263266887	0.00816652582272409	0.716318639437022
DLBC	HDAC2	cg13393754	0.0829311130980335	48	0.564410409482909	0.575216824253582	0.00687756951967882	0.742182635231008
DLBC	HDAC2	cg15005908	0.0802829660959048	48	0.546268862217842	0.587521043128589	0.0064453546451562	0.751349584029839
DLBC	HDAC2	cg15242771	-0.0819860506719347	48	-0.557934749833033	0.57959438412414	0.00672171250478104	0.745580248343172
DLBC	HDAC2	cg18387216	-0.0867654248999472	48	-0.590699406456255	0.55761310544447	0.00752823895806838	0.728849806356958
DLBC	HDAC2	cg18674783	-0.0449612824166171	48	-0.305250944873384	0.76155204434475	0.00202151691654681	0.867423823742009
DLBC	HDAC2	cg22867643	-0.0456212539394404	48	-0.309740898034537	0.758156850893228	0.00208129881100691	0.865178067776441
DLBC	HDAC2	cg24023618	-0.0234584328435554	48	-0.159146627498988	0.874250056806839	0.000550298071475597	0.933402076735167
DLBC	HDAC3	cg01947930	0.302538351118245	48	2.15280119445739	0.0366130640466689	0.0915294538973465	0.114711958226445
DLBC	HDAC3	cg01961137	0.248005047041699	48	1.73629614555489	0.0892054942176117	0.0615065033581555	0.219463401447294
DLBC	HDAC3	cg04284814	-0.0190634178786344	48	-0.129317890753956	0.89766991563233	0.000363413901215437	0.945879443263507
DLBC	HDAC3	cg08520975	0.0416273171658662	48	0.282575135319822	0.778770178339251	0.00173283353442762	0.877680433072909
DLBC	HDAC3	cg10414058	0.117321094534927	48	0.801243738970661	0.42711002622881	0.0137642392228733	0.621499333740677
DLBC	HDAC3	cg11064797	0.0685395302690357	48	0.465953446651763	0.643447715360975	0.00469766720950006	0.790729808730691
DLBC	HDAC3	cg11153694	0.0946077371691897	48	0.644551947207327	0.522419046099133	0.00895062393227448	0.70225120109405
DLBC	HDAC3	cg12082871	0.00499088347077842	48	0.0338502401951957	0.973143032627578	2.49089178188893e-05	0.985879345742617
DLBC	HDAC3	cg14098966	0.398192626049295	48	2.94414959403538	0.00506321989326807	0.158557367440034	0.0250344074590959

DLBC	HDAC3	cg17940889	0.125712197761673	48	0.859439755585154	0.394554810377602	0.015803556660699	0.59128117197733
DLBC	HDAC3	cg18671773	0.301016627420633	48	2.1408909953513	0.0376153103426143	0.0906110099836924	0.117045136306281
DLBC	HDAC3	cg19549288	0.106606279206691	48	0.72718295181389	0.470798774470057	0.0113648987662951	0.659261720277887
DLBC	HDAC3	cg20642138	0.414900862034644	48	3.09275500420953	0.0033660350896859	0.172142725317091	0.0180628636108867
DLBC	HDAC3	cg23421926	0.278962636993048	48	1.97023097240592	0.0548487244248713	0.0778201528381153	0.154318324336652
DLBC	HDAC3	cg24385322	-0.0830892812262839	48	-0.565494342173533	0.574485663330916	0.0069038286547005	0.741692393751388
DLBC	HDAC6	cg07153944	0.0600262184253585	48	0.407853061319095	0.68527367426708	0.00360314689844885	0.818859042070768
DLBC	HDAC6	cg07674520	-0.119600577816402	45	-0.789943580670258	0.433895496817949	0.0143042982140172	0.627453087208259
DLBC	HDAC6	cg10783042	0.131918036992298	48	0.902599813650442	0.371440573971496	0.0174023684839013	0.570083731552105
DLBC	HDAC6	cg12510923	0.0444708606934728	48	0.301914741575394	0.764077878469211	0.00197765745081827	0.869047004411982
DLBC	HDAC6	cg13178935	0.151080706890419	48	1.03657763589132	0.305351305322074	0.0228253799945087	0.503903172317631
DLBC	HDAC6	cg17152375	0.111283895650684	48	0.759481502305003	0.45143928215675	0.0123841054311924	0.642045878646816
DLBC	HDAC6	cg24616736	0.18524951185778	48	1.27855313330203	0.207467772623204	0.0343173816435459	0.392417707784034
DLBC	HDAC6	cg26680189	0.18530694853684	48	1.27896364335227	0.207324421854618	0.0343386651760351	0.392263493991059
DLBC	HDAC9	cg00332048	-0.158063394459558	48	-1.08568629861105	0.283274780982377	0.024984036680778	0.480602953939037
DLBC	HDAC9	cg02301805	0.041230241543555	48	0.279875089039619	0.78082805393428	0.00169993281773989	0.878951790519138
DLBC	HDAC9	cg03260621	-0.109674737804305	48	-0.748364750056107	0.458049565205713	0.0120285481124431	0.648105852487463
DLBC	HDAC9	cg07513622	-0.0209403201235712	48	-0.142055309859472	0.887656678726196	0.000438497006877639	0.940325182320004
DLBC	HDAC9	cg08146609	-0.114623563756782	48	-0.782572771420242	0.437888246187407	0.0131385613683052	0.630771665462888
DLBC	HDAC9	cg08285151	-0.260095839070165	48	-1.82693374152312	0.0742021566699662	0.0676498455016131	0.192370173975875
DLBC	HDAC9	cg08725366	-0.216580032464987	48	-1.50462983802627	0.139255123849946	0.0469069104625347	0.300138890252749
DLBC	HDAC9	cg10068437	0.188351112633297	48	1.30074036755589	0.199825972196986	0.035476141630201	0.38274680982623
DLBC	HDAC9	cg11321459	-0.260062448448907	48	-1.82668218894259	0.0742406522972774	0.0676324770932402	0.19242611308536
DLBC	HDAC9	cg11765288	-0.127949168335788	48	-0.874985223195955	0.386127776548311	0.0163709896778197	0.58416647379085
DLBC	HDAC9	cg12081743	-0.193583028687267	48	-1.33825861889439	0.187389880290202	0.0374743889957351	0.366709640713806
DLBC	HDAC9	cg16475478	-0.271907989712094	48	-1.91637238700024	0.0615432890412196	0.073933954869272	0.167730473222836
DLBC	HDAC9	cg18856632	0.143765539847091	48	0.985300856275325	0.329630676854722	0.0206685304475256	0.529284172536817
DLBC	HDAC9	cg19585556	0.0968017348521366	47	0.652429794646953	0.517443059960934	0.00937057587038337	0.698356472070243
DLBC	HDAC9	cg20648975	0.142010889047316	48	0.973026238670296	0.335629362693284	0.0201670926080091	0.535204481733348
DLBC	HDAC9	cg21433125	-0.21941768157764	48	-1.52533395813826	0.134022508123283	0.0481441189889064	0.292204450462226
DLBC	HDAC9	cg23074799	0.12417753526089	48	0.848782584086509	0.400397832430429	0.0154200602634695	0.596921332568564
DLBC	HDAC9	cg23385718	0.147490807707157	48	1.01139249571333	0.317119198002519	0.0217535383581097	0.516368293920574
DLBC	HDAC9	cg24350771	-0.126251017895395	48	-0.863182972080132	0.392515216450292	0.0159393195196234	0.589428216360081
DLBC	HDAC9	cg25620356	0.0729396900179617	48	0.496022274662138	0.622240503785576	0.00532019837991634	0.776219251476471
DLBC	HDGF	cg00692559	-0.0698684059198506	48	-0.475031458198031	0.637012338947196	0.00488159414578102	0.786386814606505
DLBC	HDGF	cg00746981	0.196200584514291	48	1.35707348307123	0.181379792679095	0.0384946693637494	0.358665089151337
DLBC	HDGF	cg01910231	-0.0269831672341959	48	-0.183075404113781	0.855543399111992	0.000728091313988584	0.923155807335087
DLBC	HDGF	cg02914429	0.208895585890727	48	1.44876144281104	0.154187162863627	0.04363736580463	0.321629113203545
DLBC	HDGF	cg04402095	0.0150408175328646	48	0.102023328551169	0.919181600095753	0.000226226192056926	0.957406991723557
DLBC	HDGF	cg05762852	0.291098676816714	48	2.06369986472085	0.0447142309208287	0.0847384396444419	0.132942958408352
DLBC	HDGF	cg05967123	0.354155734004467	48	2.56847287108669	0.0135260958789183	0.125426283928243	0.0539548657180674
DLBC	HDGF	cg06106793	0.353940918218457	48	2.56669174844391	0.013586822275065	0.125274173589324	0.0541260370783697
DLBC	HDGF	cg06119628	-0.161619202515131	48	-1.11075767486514	0.272445091969399	0.0261207666216268	0.468830392286083
DLBC	HDGF	cg07313589	0.258862259293214	48	1.81764506517201	0.0756348435944864	0.0670096692863874	0.195056189552342
DLBC	HDGF	cg07892339	0.127471499025229	48	0.871664605809621	0.387918252445154	0.0162489830637389	0.585771808509903
DLBC	HDGF	cg08597205	0.04166514933362	48	0.282832394564287	0.778574188149183	0.00173598466899285	0.877561256941966
DLBC	HDGF	cg08708935	0.218702712186437	48	1.52011357550003	0.135326834919423	0.0478308763177033	0.29414142649609
DLBC	HDGF	cg09063372	0.236332508231414	48	1.64961494993182	0.105834973860239	0.0558530544469512	0.2479992155331
DLBC	HDGF	cg09477492	-0.222788146879863	48	-1.54997851829449	0.12800008349926	0.0496345583901635	0.283012830044513
DLBC	HDGF	cg11588596	0.122712940782482	48	0.838617757030053	0.406020686313932	0.0150584658354849	0.602348931521149
DLBC	HDGF	cg12220178	-0.0244687725492138	48	-0.166004992474884	0.868880515121713	0.000598720830065161	0.93049145538288
DLBC	HDGF	cg12421458	0.332588148397348	48	2.39188753036512	0.0209057958807086	0.110614876454377	0.0753460961197055
DLBC	HDGF	cg13170934	0.0389906394587586	48	0.264648628258678	0.792462398551613	0.0015202699654029	0.886204554487517
DLBC	HDGF	cg13235992	0.0315197749504242	48	0.213883787476012	0.831582919432403	0.00099349621292539	0.909713206794132
DLBC	HDGF	cg14155849	0.177924788592884	48	1.22631154598399	0.226322035094658	0.0316572303958226	0.415845825318356
DLBC	HDGF	cg15503799	0.0746220592639712	48	0.507526470922612	0.614210320895402	0.00556845172879562	0.77057826955094
DLBC	HDGF	cg17170583	-0.104522108888359	48	-0.712807792633495	0.479565135234529	0.0109248712464699	0.666891956424113

DLBC	HDGF	cg17218029	-0.120173306856978	48	-0.821004903807453	0.41587814605602	0.0144416236809415	0.611495042850848
DLBC	HDGF	cg17971171	0.106361955184618	48	0.725497276616218	0.471821994787475	0.0113128655106946	0.659922755980391
DLBC	HDGF	cg18593717	-0.0150752797268182	48	-0.102257142042032	0.918997041144293	0.000227264058841815	0.957311834274317
DLBC	HDGF	cg19599803	-0.188094671926615	48	-1.29890440503024	0.200450151833144	0.0353796056071809	0.383457418718223
DLBC	HDGF	cg20284773	0.178650399430025	48	1.23147720799758	0.224403242344462	0.0319159652165074	0.413639129820517
DLBC	HDGF	cg23747104	0.0169420908193336	48	0.11492334520361	0.909006072920551	0.000287034441330549	0.951621147492173
DLBC	HDGF	cg26431298	0.118864092965595	48	0.811931664023812	0.421012687775972	0.0141286725965336	0.616136769245718
DLBC	HDGFL1	cg02685945	0.0713500892781868	48	0.48515635104853	0.629868061662924	0.00509083524000523	0.781613865436172
DLBC	HDGFL1	cg03930485	0.0376020392095234	48	0.255209924137667	0.799698617309175	0.00141391335271454	0.890584127620786
DLBC	HDGFL1	cg05276066	0.0885372697328656	48	0.602856478065934	0.549564981205077	0.00783884813175021	0.722457342343609
DLBC	HDGFL1	cg06566039	-0.0507079071406213	48	-0.344360769962339	0.732144363698455	0.00257129184658187	0.848679811700381
DLBC	HDGFL1	cg08671671	0.0493987494234774	48	0.335448155745222	0.738812161197757	0.00244023644460351	0.852924390843752
DLBC	HDGFL1	cg09081892	0.0430393480985518	48	0.292177799456396	0.771464449322537	0.00185238548474831	0.873318951397311
DLBC	HDGFL1	cg11894257	0.0757891322139385	48	0.51550957758221	0.608665804878442	0.00574399256174185	0.766409160267997
DLBC	HDGFL1	cg15317945	-0.209861711023454	48	-1.45576979805527	0.152247745185132	0.0440419377536917	0.318960522686887
DLBC	HDGFL1	cg20209681	0.142541292890419	48	0.976735673034117	0.333808929433603	0.0203180201788722	0.533405879885747
DLBC	HDGFL1	cg21898884	-0.0424090768964394	48	-0.287891360898128	0.774723039579389	0.00179852980320811	0.875122393835237
DLBC	HIST1H1	cg00667898	0.0877550289264703	48	0.597488623765124	0.55311126311285	0.00770094510188564	0.725183072429443
DLBC	HIST1H1	cg00700007	0.0404951868953145	48	0.274877192805062	0.784641442505756	0.00163986016168645	0.881055359742105
DLBC	HIST1H1	cg03821311	-0.0796892035083074	48	-0.542202810189108	0.590295945578865	0.00635036915578844	0.753305163883895
DLBC	HIST1H1	cg04676561	0.00236603005514335	48	0.0160472415010542	0.987266104093411	5.59809822184165e-06	0.993267023199043
DLBC	HIST1H1	cg07138603	0.138995747828214	48	0.95195568287039	0.346094912562571	0.0193198179143244	0.545386748797631
DLBC	HIST1H1	cg11206041	0.0965593400421911	48	0.657971858587609	0.513835722487252	0.0093237061493835	0.695381953155196
DLBC	HIST1H1	cg14334286	0.0277250378905951	48	0.188112668676868	0.851615730386695	0.000768677726034933	0.920863367754122
DLBC	HIST1H1	cg18798248	0.103053536247018	48	0.702684312958333	0.485793514048307	0.0106200313330155	0.672368577434732
DLBC	HIST1H1	cg23460835	0.055966543783918	48	0.380179444229327	0.705562054283069	0.00313225402311721	0.832072498725056
DLBC	HIST1H1	cg00903962	-0.0187894286446976	48	-0.127458606409602	0.899132999386901	0.000353042628794184	0.946767089256964
DLBC	HIST1H1	cg04290376	-0.225515844335876	48	-1.56996598088153	0.123276990279587	0.0508573960465229	0.275834393172176
DLBC	HIST1H1	cg07750111	0.11489526280417	48	0.784452535460829	0.436795847420536	0.0132009214148392	0.629797534088913
DLBC	HIST1H1	cg08283682	0.0127195007076018	48	0.0862748303186821	0.931622394067989	0.000161785698250682	0.963738834733392
DLBC	HIST1H1	cg10717387	-0.0441355347194881	48	-0.299633737791894	0.765806318338078	0.00194794542497514	0.870078379588329
DLBC	HIST1H1	cg12633985	0.172192197601327	48	1.1855727638544	0.241879426695936	0.0296501529147743	0.434196370777479
DLBC	HIST1H1	cg15022984	-0.083450738814572	48	-0.567971587576137	0.57281635853691	0.00696402580869791	0.740374755699148
DLBC	HIST1H1	cg16481032	0.116006723977318	48	0.792144100094967	0.432342922290812	0.0134575600079497	0.626092429201255
DLBC	HIST1H1	cg16482183	0.054274289300214	48	0.368649505219978	0.714080284329277	0.00294569847904332	0.837321559522152
DLBC	HIST1H1	cg17691542	0.0728453824428876	48	0.495377517697403	0.622691947979583	0.00530644974325056	0.776523807110488
DLBC	HIST1H1	cg20855557	0.0647161016527207	48	0.439848003009798	0.662106916917118	0.00418817381312528	0.803422139878365
DLBC	HIST1H1	cg23407813	-0.0429403167980787	48	-0.291504270209986	0.771976198469629	0.00184387080671936	0.873578006635057
DLBC	HIST1H3	cg00958605	-0.119154227193629	48	-0.813942007828829	0.419871732644629	0.0141977298581109	0.61520137057589
DLBC	HIST1H3	cg01043409	0.245951396603829	48	1.72098857911886	0.0919734075467451	0.0604920894913739	0.22429402089942
DLBC	HIST1H3	cg08041469	-0.0422706640710638	48	-0.286950069445122	0.775439169534285	0.00178680904100873	0.875638895005954
DLBC	HIST1H3	cg08401836	0.0621902451788967	48	0.422612810547971	0.674546802955809	0.00386762659541128	0.81181457285186
DLBC	HIST1H3	cg10075390	-0.00908505506820854	48	-0.0616203844585279	0.951132106542877	8.25382255923816e-05	0.974102246315845
DLBC	HIST1H3	cg15479139	0.0570981991045525	48	0.387891646895993	0.699885457993251	0.00326020434098312	0.828039196385421
DLBC	HIST1H3	cg15797414	0.281515959758047	48	1.98980887905508	0.0525755990704715	0.0792512355984941	0.149654817200449
DLBC	HIST1H3	cg21209604	0.331618699714769	48	2.38405263698004	0.0213047516828154	0.109970962000514	0.076419303412622
DLBC	HIST1H3	cg23099349	0.299280517274852	48	2.12732479566515	0.0387862078210274	0.0895688280203033	0.119706984496906
DLBC	HIST1H3	cg25701114	-0.0757116029985907	48	-0.514979190277518	0.609033460850447	0.00573224682861621	0.766665302891627
DLBC	HLTF	cg00906762	-0.124312300001783	48	-0.849718183193432	0.399882729135791	0.0154535479317334	0.596507776080798
DLBC	HLTF	cg02059813	-0.256297984659646	48	-1.79836688268328	0.0786828098356058	0.0656886569405962	0.200492974397351
DLBC	HLTF	cg02398045	-0.425484869875083	48	-3.18882727373975	0.00257105755055768	0.181037374492617	0.0145524523017635
DLBC	HLTF	cg02611507	-0.10700922036742	48	-0.729963272250453	0.469113861548999	0.0114509732436431	0.658028195913142
DLBC	HLTF	cg02710346	-0.106462345320315	48	-0.726189886477403	0.471401421084228	0.0113342309711021	0.659655031241818
DLBC	HLTF	cg03678609	-0.505460875334653	48	-3.9731173850237	0.000247857393596967	0.255490696494074	0.00207588545043802
DLBC	HLTF	cg04120413	-0.141661286904776	48	-0.970581727700678	0.336832627482973	0.0200679202075173	0.536439194745771
DLBC	HLTF	cg04731810	-0.128195219481681	48	-0.876695940224385	0.385207395793506	0.0164340142979565	0.583295847170024
DLBC	HLTF	cg04836786	-0.434380894133455	48	-3.27081024500418	0.00203633378281178	0.18868676118818	0.0120669218692916

DLBC	HLTF	cg05555455	-0.49356477128971	48	-3.84901040223574	0.000364231408658961	0.243606183458263	0.00287519210605939
DLBC	HLTF	cg07275648	-0.0749201613600498	48	-0.509565372195654	0.612792055322097	0.00561303057821591	0.769407405174747
DLBC	HLTF	cg09352720	-0.0558518234547813	48	-0.379397710608271	0.706138404851837	0.00311942618322406	0.832432624605237
DLBC	HLTF	cg09392355	-0.0829603503048486	48	-0.564610770025897	0.575081637911449	0.00688241972270319	0.74207817351053
DLBC	HLTF	cg15438497	-0.474349899293345	48	-3.65450929102873	0.000659000162265939	0.225007826959606	0.00473897750261753
DLBC	HLTF	cg16724124	-0.140942635056683	48	-0.965557886049227	0.339314503681337	0.0198648263767213	0.538584281901382
DLBC	HLTF	cg20117402	-0.136048670866141	48	-0.931386870698672	0.356516184245344	0.0185092408444436	0.555351715768252
DLBC	HLTF	cg21089667	-0.166622144064406	48	-1.14610801162261	0.257677743660266	0.0277629388926197	0.452184304218419
DLBC	HLTF	cg21111416	-0.079443775509243	48	-0.540522303287857	0.591444635773051	0.006311313467163	0.754115417949105
DLBC	HLTF	cg21835021	-0.166965660788456	48	-1.14853857485085	0.256683868672706	0.0278775318825259	0.451030309207068
DLBC	HLTF	cg21926402	-0.437752702825903	48	-3.30218931296123	0.00186103795987737	0.191627428831383	0.011213506858547
DLBC	HLTF	cg24041269	-0.473469159118129	48	-3.64576086421645	0.00067659978396506	0.224173044636028	0.00484181801065016
DLBC	HLTF	cg24710191	0.00903287102529853	48	0.0612664114873444	0.951412464230211	8.15927589596777e-05	0.974255380312295
DLBC	HLTF	cg25951608	-0.0407283976329415	48	-0.276462826195934	0.78343102278928	0.00165880237374699	0.880509600053011
DLBC	HLTF	cg26151310	-0.384898595172865	48	-2.82841345796728	0.00690684427902085	0.148146928566045	0.0320744414900996
DLBC	HLTF	cg27554556	-0.333905896880968	48	-2.40255099256913	0.0203736130077277	0.111493147971884	0.0738488887486334
DLBC	IDH1	cg00707300	-0.182814324031016	48	-1.26116083800874	0.213609611455651	0.0334210770709172	0.400129584725129
DLBC	IDH1	cg01046174	-0.243941833785857	48	-1.70603351674374	0.094746029955763	0.0595076182708066	0.229144831635225
DLBC	IDH1	cg02241586	0.0127199243058039	48	0.0862777039988443	0.931620122284072	0.00016179647434538	0.963738834733392
DLBC	IDH1	cg03448938	-0.231980528647325	48	-1.61749300922353	0.112609741238839	0.0538149656714924	0.259328090048673
DLBC	IDH1	cg05268564	-0.172437499685798	48	-1.18731343212754	0.241199178220673	0.0297346912978897	0.433395285148379
DLBC	IDH1	cg07129696	0.123421640460485	48	0.843535695706128	0.403294183089298	0.0152329013339573	0.599779534673743
DLBC	IDH1	cg07915542	0.226830440925046	48	1.57961266694384	0.121048265913288	0.0514520489302509	0.272297656856091
DLBC	IDH1	cg09406631	-0.144695035159093	48	-0.991806954953133	0.326480363758456	0.0209366531996911	0.52593788973071
DLBC	IDH1	cg09615745	-0.222626808917397	48	-1.54879750469446	0.128283647264964	0.0495626960487431	0.283429598341634
DLBC	IDH1	cg10356455	0.073246587669537	48	0.498120548732369	0.620772356239523	0.00536506260523117	0.775256226560608
DLBC	IDH1	cg14772913	-0.0230220967889895	48	-0.156184853121227	0.876570751218556	0.000530016940561602	0.934673990793283
DLBC	IDH1	cg15399923	-0.00588350460307533	48	-0.0399045603419469	0.968341908506373	3.46156264144086e-05	0.983379398362326
DLBC	IDH1	cg16085695	-0.260719545840227	48	-1.83163381079817	0.0734859877340912	0.067974681583134	0.19104932425846
DLBC	IDH1	cg16863783	-0.29705213374678	48	-2.10994588769507	0.0403328226277382	0.0882399701635147	0.123159648494276
DLBC	IDH1	cg24324379	-0.177147782547641	48	-1.22078228887928	0.228389253902908	0.0313813368615462	0.418295920405903
DLBC	IDH1	cg24830471	-0.269239820738995	48	-1.896089910292	0.0642396211101561	0.072490081071566	0.173066113195854
DLBC	IDH1	cg24987806	-0.0595837927499547	48	-0.404836213539591	0.687474394725089	0.00355022835846956	0.820216291381565
DLBC	IDH1	cg25795625	-0.206026733960676	48	-1.42797658613272	0.16005306796702	0.0424470151065033	0.329814801054946
DLBC	IDH1	cg26105702	-0.126392102660733	48	-0.864163224703199	0.391982191749382	0.0159749636150012	0.589059876464764
DLBC	ING2	cg02075087	0.24744225180268	48	1.73209869459143	0.0899574939739219	0.0612276679771808	0.220713195389261
DLBC	ING2	cg02552216	0.229761642808655	48	1.60115509265979	0.116188702980401	0.0527904125061319	0.264795194365236
DLBC	ING2	cg10348863	-0.217078112394536	48	-1.50826102634972	0.138325829929031	0.0471229068807747	0.29869870686446
DLBC	ING2	cg17985608	0.14612018726681	48	1.00178766944273	0.321687006398667	0.0213511091268877	0.52117399090127
DLBC	ING3	cg01382559	0.0210321891355694	48	0.142678807673428	0.887166991282413	0.000442352979834362	0.940058418619993
DLBC	ING3	cg01416111	-0.110652473036644	48	-0.755118648271386	0.454026870580995	0.0122439697891252	0.644312489647348
DLBC	ING3	cg10268125	0.0254074817538934	48	0.172377572597463	0.863896889800613	0.000645540129074427	0.927721413615705
DLBC	ING3	cg14303833	0.0232960195012882	48	0.158044183017801	0.875113746328954	0.0005427045246044	0.933881719087116
DLBC	ING3	cg16130600	0.120875855661126	48	0.82587556368407	0.413137662029163	0.0146109724818094	0.608682081737371
DLBC	ING3	cg18485114	-0.236137881148315	48	-1.64817618092352	0.10613111489401	0.0557610989132155	0.24845367133293
DLBC	ING3	cg19478983	0.107998728307674	48	0.736792488734452	0.464989919038796	0.0116637253160747	0.654225308574551
DLBC	ING3	cg19960827	-0.183966212482192	48	-1.2693846961515	0.210688784827696	0.0338435673350429	0.396447362960737
DLBC	ING3	cg20553930	0.194228948265362	48	1.34289867951336	0.18589376281916	0.0377248843442686	0.364717646080899
DLBC	ING3	cg24859794	-0.172816193347175	48	-1.19000109674815	0.240151580351607	0.0298654366830083	0.432123253016195
DLBC	ING4	cg00369908	0.349462381170981	48	2.52966346614886	0.0149069366847199	0.122123955853692	0.0580968003833023
DLBC	ING4	cg00443163	0.414163949721977	48	3.08612336093429	0.00342868572694074	0.171531777249308	0.0183282606638925
DLBC	ING4	cg00591160	0.116415359963223	48	0.794972710969481	0.430712189128231	0.0135525360353669	0.624707734376941
DLBC	ING4	cg03930474	0.406145535417705	48	3.01443171493773	0.00417964334212606	0.164954195939735	0.021500441324959
DLBC	ING4	cg04375284	0.160105666813939	48	1.1008063539271	0.277020796977368	0.0256338245459362	0.473805203589336
DLBC	ING4	cg08733494	0.228310601521244	48	1.59048518101346	0.118575480235716	0.0521257307669921	0.268551075998058
DLBC	ING4	cg12392916	0.134876700741841	48	0.923214263501567	0.36071300647333	0.0181917244030041	0.559632699665375
DLBC	ING4	cg18123790	0.197082552437984	48	1.363419797673	0.179386239574485	0.0388415324754708	0.356244686938898

DLBC	ING4	cg23354319	0.382355126287273	48	2.80651003051017	0.00731932360602555	0.146195442598157	0.0335355121389453
DLBC	ING4	cg27116036	0.297414815421334	48	2.11277181326576	0.0400777125981552	0.088455572432106	0.122651674817501
DLBC	INO80	cg00734724	0.0456798808443324	48	0.310139771262078	0.757855464412419	0.00208665151395241	0.864986399426337
DLBC	INO80	cg06380007	-0.291976035061836	48	-2.07049847353492	0.0440451722838277	0.0852500050504307	0.131495171092642
DLBC	INO80	cg12580230	-0.4949703566158	48	-3.86352191655192	0.00034829009229841	0.244995653928372	0.00276839179321516
DLBC	INO80	cg18952654	-0.33755564065751	48	-2.43216846720772	0.0189589254664352	0.113943810539702	0.0698206138863785
DLBC	INO80	cg21007089	-0.655264026045289	48	-5.88326350944548	4.33118941776228e-07	0.429370943829081	8.10732794911931e-06
DLBC	INO80	cg21598047	-0.106657814006839	48	-0.727538525074209	0.470583099905181	0.0113758892887175	0.659113461360275
DLBC	INO80	cg22835709	-0.692007643272661	48	-6.50157650576387	5.10974887713364e-08	0.478874578347783	1.18907509466866e-06
DLBC	INO80	cg26409855	-0.26917780360033	48	-1.89561904023927	0.0643033961843177	0.0724566899510977	0.173171784343065
DLBC	INO80	cg27441689	-0.550355768630404	48	-4.47066616170044	5.06546607786696e-05	0.302891472064763	0.000535994107809551
DLBC	INTS12	cg00093890	0.251263131199444	48	1.7606326440762	0.0849478592423208	0.063133161100149	0.211958232147575
DLBC	INTS12	cg01852585	0.155190095153455	48	1.06545886806896	0.292228991982068	0.0240839656337385	0.489942111920283
DLBC	INTS12	cg03607115	0.163884977801943	48	1.12675635941175	0.26568919960883	0.0268582859491433	0.461484099901087
DLBC	INTS12	cg19703969	0.224593868793528	48	1.5632057950881	0.124858464407676	0.0504424058996445	0.278172844382001
DLBC	INTS12	cg26533745	0.218802010784117	48	1.52083845488705	0.135145118519814	0.0478743199231728	0.293918908306693
DLBC	IWS1	cg02372421	-0.261251998123521	48	-1.8356481600417	0.0728789359249321	0.0682526065235322	0.189883580325011
DLBC	IWS1	cg02592214	0.0527924307005982	48	0.358555688904325	0.721567896782579	0.00278704073927747	0.842240621808666
DLBC	IWS1	cg10180764	-0.358602487535061	48	-2.60544779277626	0.0123201133977978	0.128595744066334	0.0501927678276134
DLBC	IWS1	cg10488833	-0.0750649912586097	48	-0.510556001380494	0.612103510663497	0.00563475291265516	0.768865647059922
DLBC	IWS1	cg15239145	-0.170287708838294	48	-1.17206617945767	0.247205181250308	0.0289979037813954	0.440443393037273
DLBC	IWS1	cg17144508	-0.210063356114257	48	-1.45723311080512	0.151845233978298	0.0441266135819852	0.318348734223783
DLBC	IWS1	cg18451256	-0.0544439949943671	48	-0.36980562581402	0.713224467580639	0.00296414859094667	0.836871557028178
DLBC	IWS1	cg18530950	-0.338401260877296	48	-2.43904821439363	0.0186432764386992	0.114515413363344	0.0689781721331764
DLBC	IWS1	cg19311602	-0.175940592817395	48	-1.2121964698596	0.23162670147807	0.0309550922009363	0.422132961973129
DLBC	IWS1	cg19409088	-0.0324642607836191	48	-0.220299449800878	0.826612766854171	0.00105392822822683	0.906848212331703
DLBC	IWS1	cg21581038	0.0223118650824452	48	0.151364112208208	0.880350372223072	0.000497819323457239	0.936521945858244
DLBC	IWS1	cg21679674	-0.3600573252505	48	-2.61758879983403	0.0119460987167271	0.129641277466544	0.0489643978695948
DLBC	IWS1	cg22409775	-0.356104808849654	48	-2.58465472522599	0.012985625708376	0.126810634885849	0.0522879796251245
DLBC	IWS1	cg23570261	-0.0734465705736354	48	-0.499487918029834	0.619816456090681	0.00539439872902801	0.774521042331559
DLBC	IWS1	cg23623107	0.0223734950410015	48	0.151782420111113	0.880022292040788	0.000500573280349718	0.936347006362666
DLBC	JADE1	cg09863040	0.0216469287252236	48	0.146851024192934	0.883891338382931	0.000468589523234911	0.938458198159443
DLBC	JADE1	cg12832492	-0.156418959302764	48	-1.07410639194153	0.288377173455162	0.0244668908293597	0.485889710679232
DLBC	JADE1	cg14617908	-0.0815543442390995	48	-0.554977160636826	0.581599077760016	0.00665111106426955	0.746997947056459
DLBC	JADE1	cg15389440	-0.0521326447440189	48	-0.354062264352455	0.724910065806287	0.00271781264800608	0.844107163370787
DLBC	JADE1	cg15836763	0.111756607131374	48	0.762748341138533	0.449507389381807	0.0124895392375163	0.640740731272569
DLBC	JADE1	cg20039387	0.127460376111672	48	0.871587289921753	0.38796000330982	0.016246147478529	0.585810568662347
DLBC	JADE1	cg22922695	-0.116686103824165	48	-0.796847046872649	0.429633641994753	0.0136156468256637	0.623678289705913
DLBC	JADE1	cg26766900	-0.00213119722563487	48	-0.0144545156696308	0.988529877825015	4.54200161455376e-06	0.993976674970026
DLBC	JADE2	cg04590931	-0.218107254364164	48	-1.515767775122	0.13642035323804	0.0475707744062741	0.295884462879039
DLBC	JADE2	cg04842522	0.0396727330515443	48	0.269285568083955	0.78891417933472	0.0015739257477791	0.883855130024739
DLBC	JADE2	cg17378563	0.00536113144500878	48	0.0363614850927137	0.971151463107353	2.87417303706619e-05	0.98469523123108
DLBC	JADE2	cg18145011	-0.0659622664871236	48	-0.448354320503118	0.656002334583294	0.0043510206001183	0.799489999006341
DLBC	JADE2	cg21194015	0.0068774862121101	48	0.0466464841430429	0.962996911662845	4.72998165977646e-05	0.980550489719862
DLBC	JADE2	cg25669900	0.0439987916855817	48	0.298703593334599	0.766511485438485	0.00193589366979121	0.870574414164559
DLBC	JADE2	cg26133206	-0.0462988815232309	48	-0.314351392778022	0.754675513838246	0.00214358643030217	0.862990253175548
DLBC	JADE3	cg10860619	-0.0780307975991333	48	-0.530849204484448	0.598077103100893	0.0060888053739569	0.758717123406078
DLBC	JADE3	cg17843048	-0.0352612242566647	48	-0.239302073376877	0.811934409394506	0.0012433539360788	0.898707279782236
DLBC	JADE3	cg19194595	-0.0136694877355108	48	-0.0927196394864645	0.926528941104275	0.000186854894951281	0.961296501047169
DLBC	JARID2	cg01769037	-0.369489555359605	48	-2.69684246104319	0.00974934855983743	0.136522531519839	0.0417663954674959
DLBC	JARID2	cg03223185	-0.14864180995719	48	-1.01946291357026	0.313315239027712	0.0220943876673494	0.512393485356468
DLBC	JARID2	cg05197191	-0.377824951964156	48	-2.76768228471806	0.00810706364525708	0.142751694326717	0.0362960928418007
DLBC	JARID2	cg06047828	-0.224049426493025	48	-1.55921586764601	0.125799507318171	0.0501981455118536	0.279628746565798
DLBC	JARID2	cg14862454	-0.319983430498317	48	-2.29066942273642	0.0266145401949563	0.102389395793471	0.0902944413400101
DLBC	JARID2	cg15109221	-0.299068834494078	48	-2.12567226909035	0.038931000248387	0.0894421677656465	0.120077639890691
DLBC	JARID2	cg21397480	-0.165329688168335	48	-1.13696703713592	0.261440227445881	0.0273339057898389	0.456799210204584
DLBC	JARID2	cg21901688	-0.300596326165324	48	-2.13760456458391	0.0378960746951554	0.0903581513040901	0.117669323654304

DLBC	JARID2	cg25338254	-0.232891929946943	48	-1.62421147693445	0.111164282091008	0.054238651034412	0.256843307424648
DLBC	JMJD6	cg02318866	-0.157535789557493	48	-1.08196996668899	0.284905361233803	0.0248175249915026	0.482139499421624
DLBC	JMJD6	cg04510639	0.341393101875518	48	2.46344281668558	0.0175619399490764	0.116549250008188	0.0658860704281659
DLBC	JMJD6	cg07312083	0.215875612955428	48	1.49949646101444	0.140577319647532	0.0466022802688818	0.302168214098698
DLBC	JMJD6	cg08857478	0.315429633573334	48	2.25443931196212	0.0289738165855593	0.099495853736208	0.0962417232750221
DLBC	JMJD6	cg10712116	-0.0769781404007059	48	-0.523644918965931	0.603039355969474	0.00592563409955079	0.762178415595023
DLBC	JMJD6	cg12504415	0.321757724408064	48	2.30483341101607	0.0257398042358406	0.103528033216256	0.0880641362794875
DLBC	JMJD6	cg15457598	0.155922880665432	48	1.07061487091316	0.289928106527092	0.0243119447150064	0.487426432148314
DLBC	JMJD6	cg21102709	0.281788860277073	48	1.9919040812357	0.0523372183412679	0.079404961776252	0.149172769240148
DLBC	JMJD6	cg21807925	0.427032138208487	48	3.20300390769049	0.00246997805135447	0.182356447062913	0.0140944379466786
DLBC	JMJD6	cg23630158	0.413216210469206	48	3.07760520228238	0.0035107674216767	0.170747636594531	0.018686985631529
DLBC	JMJD6	cg25004679	0.37657331862259	48	2.75699574022063	0.00833723725513138	0.14180746429843	0.0370896686124373
DLBC	JMJD6	cg25908504	0.311061012376486	48	2.21984506787291	0.03139823816444966	0.0967589534206841	0.102127965036118
DLBC	JMJD6	cg26612088	0.440474352882478	48	3.32764338455074	0.00172945561731881	0.194017655547238	0.0105613682623204
DLBC	JMJD8	cg00873473	-0.318460839371182	48	-2.27853616576139	0.0273848470048867	0.101417306212998	0.0922400756796916
DLBC	JMJD8	cg02851105	-0.311447620506201	48	-2.22290020832446	0.0311771128967825	0.0969996203189743	0.101570095929155
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DLBC	JMJD8	cg05787952	-0.122960044913006	48	-0.840332358978682	0.40506882321684	0.0151191726450084	0.601533311062705
DLBC	JMJD8	cg06191810	-0.323581223349252	48	-2.31941842267781	0.0248659894290221	0.104704808104199	0.0858607105668032
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DLBC	JMJD8	cg08398290	-0.309254011985901	48	-2.20558152910756	0.0324490936860651	0.0956380439293759	0.104657744370388
DLBC	JMJD8	cg26750188	-0.151222969446076	48	-1.03757654411277	0.304890807905899	0.022868386488089	0.503403478523878
DLBC	JMJD8	cg27579097	-0.0713135471862097	48	-0.484906606815689	0.63004385920556	0.00508562201227976	0.781729086317762
DLBC	KAT2B	cg00770008	-0.0340042792529776	48	-0.230761695157147	0.818523222133574	0.00115629100751448	0.902403609990944
DLBC	KAT2B	cg04371528	-0.435078785509974	48	-3.27729102877508	0.00199889453562319	0.189293549600834	0.0118921689740188
DLBC	KAT2B	cg05072819	-0.154833226466895	48	-1.06294853273254	0.293353812353879	0.0239733280181488	0.491078248401906
DLBC	KAT2B	cg12062464	-0.238231014068004	48	-1.66366060527918	0.102979384704096	0.0567540160638697	0.243268555870782
DLBC	KAT2B	cg14937543	-0.19849822067186	48	-1.37361363059754	0.176219352271941	0.0394015436098943	0.352130905721491
DLBC	KAT2B	cg18053505	-0.303993684868292	48	-2.16420872423158	0.0356752236658021	0.0924121604398026	0.112429343725234
DLBC	KAT5	cg00582417	-0.0948049433921384	48	-0.645907663655032	0.521548491666486	0.00898797729158656	0.701511893090974
DLBC	KAT5	cg02561205	-0.206748458701755	48	-1.43320184222135	0.158562239551916	0.0427449251755514	0.327723660663189
DLBC	KAT5	cg05785768	-0.226308000090464	48	-1.57577783991405	0.121930316660854	0.0512153109049455	0.273687086800002
DLBC	KAT5	cg07564927	-0.171455439335869	48	-1.18034607819475	0.243930377606954	0.029396967677856	0.436638743570073
DLBC	KAT5	cg14726348	0.0220109242135572	48	0.149321527337464	0.881952681502774	0.00048448078473496	0.937342061899078
DLBC	KAT5	cg18896539	0.177522080517689	48	1.22344553784331	0.227391819629235	0.0315140890713287	0.417059678202481
DLBC	KAT5	cg20108992	0.468160563209793	48	3.59332663655689	0.00079191821459921	0.219174312944911	0.00552178365741529
DLBC	KAT5	cg20423942	0.0315089328840376	48	0.213810143321286	0.831640011679989	0.000992812851490784	0.909713206794132
DLBC	KAT5	cg22048492	0.233727452841652	48	1.63037457595649	0.109851645076946	0.0546285222118466	0.254703113886383
DLBC	KAT6A	cg10163397	-0.292628395631134	48	-2.07555728819633	0.0435530081043676	0.0856313779296513	0.130369106640162
DLBC	KAT6A	cg12468056	-0.325423848323211	48	-2.33418573365173	0.0240083769119352	0.105900681057488	0.0835955550002607
DLBC	KAT6A	cg15251374	-0.212581626114989	48	-1.47552433600648	0.146884231264504	0.045190947761693	0.311354547329451
DLBC	KAT6A	cg20966972	-0.151077371693211	48	-1.03655421832113	0.305362106552754	0.0228243722377287	0.503910307521211
DLBC	KAT6B	cg04396765	-0.521741757907489	48	-4.14794321467172	0.000142966669042857	0.272214461944397	0.00130708062657421
DLBC	KAT6B	cg06972998	0.339154372128159	48	2.44518094975478	0.0183659121307463	0.115025688133645	0.0681724290628533
DLBC	KAT6B	cg09631472	-0.290272893173844	48	-2.05730610273066	0.0453515090840881	0.0842583525115138	0.134392629044932
DLBC	KAT6B	cg10359932	-0.252554780358467	48	-1.77029833286963	0.0833046060233228	0.0637839170819133	0.208889844023284
DLBC	KAT6B	cg10739686	-0.534726436219056	48	-4.29181403671824	9.03181799153778e-05	0.285932361591532	0.0008826900110976
DLBC	KAT6B	cg11128436	-0.252818081514904	48	-1.77226991024687	0.082972706180594	0.0639169823408767	0.208305179210642
DLBC	KAT6B	cg11348552	-0.408309496946303	48	-3.03369589494482	0.00396397170011199	0.166716645296543	0.0206159389248905
DLBC	KAT6B	cg15874302	-0.138838834470647	48	-0.950859877939403	0.346645002861766	0.0192762219571677	0.54598353785207
DLBC	KAT6B	cg15912797	-0.254511052344232	48	-1.78495680965278	0.0808633398376395	0.0647758757653682	0.204521836898671
DLBC	KAT6B	cg17147776	-0.436740055017789	48	-3.29274733002881	0.00191221978577922	0.190741875656941	0.0114683077208395
DLBC	KAT6B	cg18462764	-0.0943161622430277	48	-0.642547622693631	0.523707506771328	0.00889553846025313	0.702980492243374
DLBC	KAT6B	cg18491775	-0.232771209623461	48	-1.62332131790292	0.111354923664171	0.0541824360295691	0.257109984065496
DLBC	KAT6B	cg24671245	-0.375189569114107	48	-2.74520164979472	0.0085982641329238	0.140767212772029	0.037975097079407
DLBC	KAT6B	cg26605858	-0.0687170924422162	48	-0.467166290269102	0.6425863193060607	0.00472203879371208	0.79011038135721
DLBC	KDM1A	cg00062312	-0.135890348591305	48	-0.930282595485171	0.35708139085432	0.0184661868402664	0.555940052105007

DLBC	KDM1A	cg00541565	-0.161506426269273	48	-1.10996183314473	0.272784301153307	0.026084325726272	0.469146967649161
DLBC	KDM1A	cg04886391	-0.26214047414778	48	-1.84235070686502	0.0718748206651911	0.068717628186423	0.187934585870794
DLBC	KDM1A	cg06958034	-0.145658672324075	48	-0.998554864651624	0.32323437734055	0.0212164488232122	0.522672589110066
DLBC	KDM1A	cg07118078	-0.212786867896126	48	-1.47701644201079	0.146485250853048	0.0452782511490432	0.310728952523914
DLBC	KDM1A	cg07785945	-0.181994033154309	48	-1.25530768451939	0.215706757202454	0.0331218281037719	0.402859274115524
DLBC	KDM1A	cg10499166	-0.168182716763673	48	-1.157153361533	0.253183367732689	0.0282854262180097	0.447216748844185
DLBC	KDM1A	cg12578844	-0.132583449505416	48	-0.907233905194748	0.36901138799311	0.0175783710827553	0.567743208215543
DLBC	KDM1A	cg22683154	-0.245871187044009	48	-1.72039121283063	0.0920828523940251	0.06045264061843	0.224462412080616
DLBC	KDM1A	cg26662347	-0.0784975593085542	48	-0.534044247317256	0.595882529684154	0.00616186681739998	0.757204340836808
DLBC	KDM1B	cg11007366	-0.315708712633547	48	-2.25665465660516	0.0288243865572542	0.0996719912327316	0.095826387917377
DLBC	KDM1B	cg15124342	0.500252302888293	48	3.91841527346907	0.000293866364208359	0.25025236654504	0.00240338939626
DLBC	KDM1B	cg20677365	-0.10707781993292	44	-0.697956386190955	0.489050794815176	0.0114656595215868	0.675051323335258
DLBC	KDM1B	cg22406543	-0.0457528662311542	48	-0.310636338153494	0.757480314243176	0.00209332476836589	0.864735836323041
DLBC	KDM1B	cg23073439	-0.00847433978591335	48	-0.0574778327232822	0.954413519145063	7.18144348071139e-05	0.975799988281763
DLBC	KDM1B	cg23860886	-0.15854602418701	48	-1.08908667052291	0.281788562094139	0.0251368417855079	0.478894861957117
DLBC	KDM1B	cg24342628	-0.0711786777540357	48	-0.483984868606938	0.630692867521857	0.00506640416681286	0.782085294269472
DLBC	KDM2A	cg05038268	-0.243532285019368	48	-1.70298855066031	0.0953189518185666	0.0593079738467544	0.230144088695642
DLBC	KDM2A	cg05295919	-0.282599684793584	48	-1.99813231228595	0.0516341075256124	0.0798625818454332	0.147720791440405
DLBC	KDM2A	cg06320126	-0.118721426493495	48	-0.810943203605726	0.421574369469713	0.0140947771086503	0.616697188765078
DLBC	KDM2A	cg07283932	-0.458051779733677	48	-3.49484661562501	0.00106129147243227	0.209811432917189	0.0070541788112095
DLBC	KDM2A	cg08836144	-0.139577478644571	48	-0.956018840573557	0.344060237623402	0.0194818725447755	0.543328896640194
DLBC	KDM2A	cg09993857	-0.209912999007514	48	-1.4561419699897	0.152145292958867	0.0440634671523287	0.318816408444655
DLBC	KDM2A	cg11637544	-0.155893778244029	48	-1.07041006686863	0.290019260198841	0.0243028700951986	0.487526650415071
DLBC	KDM2A	cg16004548	-0.133759464262331	48	-0.91542701028477	0.364741606705053	0.0178915942797459	0.563672471682253
DLBC	KDM2A	cg18132081	-0.461644190391132	48	-3.52964279162553	0.000957395541323198	0.213115358521884	0.00647480037744039
DLBC	KDM2A	cg21293464	-0.250401652875188	48	-1.75419160162085	0.0860578587989532	0.0627009877626259	0.21396382345437
DLBC	KDM2A	cg21711868	-0.460715970827037	48	-3.52063105076487	0.000983329038415161	0.2122592057751	0.00662369895354308
DLBC	KDM2A	cg25597833	-0.108570207935318	48	-0.740737636920888	0.462617091316265	0.0117874900511182	0.652014815474785
DLBC	KDM2B	cg03486832	-0.0202253643085504	48	-0.137203160170104	0.891468995895101	0.000409065361413585	0.942513307657556
DLBC	KDM2B	cg05067991	-0.296735619375601	48	-2.10748050480017	0.0405565450988174	0.0880520278062217	0.123596375502915
DLBC	KDM2B	cg07020001	0.0722796898863243	48	0.491510300981859	0.625402756362402	0.00522435357006321	0.77831534786622
DLBC	KDM2B	cg07529210	-0.0453696179220329	48	-0.308028906958786	0.75945085286386	0.00205840223039125	0.86610841832602
DLBC	KDM2B	cg07793808	0.148790931495448	48	1.02050880993632	0.312824539921201	0.0221387412952831	0.511827712760636
DLBC	KDM2B	cg09151742	0.150762194698603	48	1.03434141524792	0.306383931442652	0.0227292393503396	0.504825508591724
DLBC	KDM2B	cg12251659	-0.330249541322647	48	-2.3730018137822	0.0218791051633962	0.109064759543818	0.0779517361300163
DLBC	KDM2B	cg12888660	-0.224624821843535	48	-1.56343267976589	0.124805123400014	0.0504563105882399	0.27808586153923
DLBC	KDM2B	cg15234492	-0.00616270845003667	48	-0.0417983160340886	0.966840380002147	3.79789754401534e-05	0.982565161163268
DLBC	KDM2B	cg15316703	-0.241584222312107	48	-1.68851806385403	0.0980809216529348	0.0583629364701455	0.234779753809914
DLBC	KDM2B	cg16837338	-0.0272445749187568	43	-0.174515178441152	0.862319519921735	0.000742266862503752	0.92682073408112
DLBC	KDM2B	cg17452615	0.0218228441774551	48	0.148044986795172	0.88295431985306	0.000476236527993488	0.93786761001864
DLBC	KDM2B	cg20055546	-0.381640213545734	48	-2.80036695464979	0.0074390412497401	0.145649252595233	0.0339580316267035
DLBC	KDM2B	cg21249371	0.0142348664527172	48	0.0965553446170976	0.923498973509307	0.000202631422926693	0.959803374973999
DLBC	KDM2B	cg21781916	-0.168539781511975	48	-1.15968183329231	0.25216250623185	0.0284056579521042	0.445996953660435
DLBC	KDM2B	cg26218726	-0.250289538596107	48	-1.75335368057773	0.0862031453640753	0.0626448531306519	0.214231463133018
DLBC	KDM2B	cg26509318	-0.0604777872141392	48	-0.410932503673254	0.68303013397699	0.0036575627463187	0.817383454744965
DLBC	KDM3A	cg01744130	0.0477765286475814	48	0.324406639017634	0.74710082357969	0.00228259668961317	0.858011182343122
DLBC	KDM3A	cg02152982	-0.0433248417651264	48	-0.294119540325362	0.769989685479596	0.00187704191397324	0.872478082084729
DLBC	KDM3A	cg02972551	0.0654730240909602	48	0.445014504364547	0.658396363902496	0.00428671688361546	0.801226448024112
DLBC	KDM3A	cg03037033	-0.152258509871977	48	-1.04484966878935	0.301552246533026	0.023182653828435	0.499953160895501
DLBC	KDM3A	cg04793821	-0.279607940996821	48	-1.97517461563794	0.0542668870935455	0.0781806006684817	0.153195303297849
DLBC	KDM3A	cg07052513	-0.132619623690219	48	-0.907485866573637	0.368879603257762	0.0175879645877352	0.567609230291242
DLBC	KDM3A	cg07211384	-0.099644250595052	48	-0.679200482982247	0.500414266144862	0.00992897667664953	0.684300311312534
DLBC	KDM3A	cg12888358	-0.154319536510395	48	-1.05933581160844	0.294977845735436	0.0238145193487831	0.492860776430384
DLBC	KDM3A	cg18611949	-0.0911922987879471	48	-0.621084132540284	0.537609907105922	0.00831603535823021	0.713480929294724
DLBC	KDM3A	cg19139691	-0.104427796743893	48	-0.712157519032722	0.479963853263875	0.0109051647327839	0.667255941970941
DLBC	KDM3A	cg20191795	-0.0175966407045119	48	-0.119364705432252	0.905506206939025	0.000309641764083686	0.949890773373623
DLBC	KDM3A	cg20918903	0.0159602734144001	48	0.10826163055588	0.914259015425482	0.000254730327462408	0.95474759413586

DLBC	KDM3A	cg22404242	-0.0257420519296755	48	-0.174648966070632	0.862121904851588	0.00066265323755011	0.926736375100517
DLBC	KDM3A	cg24749656	-0.154450341468573	48	-1.06025566387123	0.294563753558963	0.0238549079797587	0.492378441004855
DLBC	KDM3B	cg00435490	-0.016546895712478	48	-0.112241873869261	0.911120005154443	0.000273799757719622	0.952780078345478
DLBC	KDM3B	cg03315484	-0.390914382594235	48	-2.88052198358987	0.00601068479887204	0.152814054519032	0.0287132461310071
DLBC	KDM3B	cg05191700	-0.55311007078078	48	-4.50286659044923	4.5609146996502e-05	0.30593075039912	0.000489936202906086
DLBC	KDM3B	cg05708550	-0.126651765782232	48	-0.865967495457324	0.391002283185077	0.0160406697757575	0.588246371387957
DLBC	KDM3B	cg05722427	-0.198492440273551	48	-1.37357198941288	0.176232200685352	0.0393992488457494	0.352147534678831
DLBC	KDM3B	cg15001364	-0.180234581160035	48	-1.24276230741564	0.220253203559702	0.0324845042459333	0.408408678975151
DLBC	KDM3B	cg18682923	-0.165471422236615	48	-1.13796916514823	0.261025840572374	0.0273807915770082	0.456312232154445
DLBC	KDM3B	cg19076659	-0.0687387235752679	48	-0.467314045401822	0.642481413291454	0.0047250121187571	0.790041715123852
DLBC	KDM3B	cg24137987	-0.654436791739311	48	-5.87026604600778	4.52955706195348e-07	0.428287514382042	8.4400565767092e-06
DLBC	KDM4A	cg00154982	-0.218408137176787	48	-1.51796347074095	0.135866980896667	0.0477021143850342	0.294977559496409
DLBC	KDM4A	cg00979347	-0.347161431596606	48	-2.51071642772859	0.0156266382125986	0.120521059588205	0.0602556973041337
DLBC	KDM4A	cg03587511	0.0328462274437767	48	0.222894223136572	0.824604644291558	0.00107887465728831	0.905730857284295
DLBC	KDM4A	cg08552254	-0.249580521926829	48	-1.74805636414219	0.0871263865715982	0.0622904369252682	0.215788287709357
DLBC	KDM4A	cg10958452	0.0367075005393246	48	0.249130282219529	0.804369065253477	0.00134744059584452	0.893586471591677
DLBC	KDM4A	cg10968649	-0.371443122924987	48	-2.71337641746896	0.00934072014397771	0.137969993568267	0.040414459559544
DLBC	KDM4A	cg12293275	-0.254000589453014	48	-1.78112962764709	0.0814948719051218	0.0645162994424786	0.205684458520814
DLBC	KDM4A	cg17737314	-0.108521763328768	48	-0.740403176015454	0.462817983383869	0.0117769731159852	0.652183860438443
DLBC	KDM4A	cg19743044	-0.0695468224588541	48	-0.472834378574662	0.638567275538224	0.00483676051412337	0.78744416563454
DLBC	KDM4A	cg20873046	-0.526309412267754	48	-4.19808650930135	0.000121896778893452	0.277001597441629	0.00114182275945059
DLBC	KDM4A	cg21451504	-0.455823905313558	48	-3.47337649096208	0.00113068074817778	0.207775432655303	0.00743534895382437
DLBC	KDM4A	cg22094309	-0.288867855286713	48	-2.04643889534858	0.046452810573059	0.0834446378179456	0.136677380700475
DLBC	KDM4A	cg24324755	-0.433488022479682	48	-3.2625294118078	0.00208513910440268	0.187911865633345	0.0122991217067767
DLBC	KDM4A	cg24505556	-0.463476762090734	48	-3.54747788087354	0.00090798599192593	0.214810708998111	0.00619775925733841
DLBC	KDM4A	cg25841161	-0.049337733731829	48	-0.335032809679037	0.739123394156993	0.00243421196979285	0.853030373038737
DLBC	KDM4B	cg01098771	-0.211353191250471	48	-1.46659789221474	0.149289064036938	0.0446701714517582	0.314744239403657
DLBC	KDM4B	cg12072803	0.0110199019631294	48	0.0747451500931381	0.940741594441966	0.000121438239276982	0.968337610622521
DLBC	KDM4B	cg18115693	-0.134658684290766	48	-0.921694385779528	0.361497015942269	0.0181329612549201	0.560372598549624
DLBC	KDM4C	cg00121158	-0.0767502981961103	48	-0.522085821392323	0.604115763441391	0.00589060827319186	0.763043004678599
DLBC	KDM4C	cg00667760	0.0280913155302622	48	0.190599789672717	0.84967786052135	0.000789122008220753	0.919822691566618
DLBC	KDM4C	cg05545111	-0.287627078632649	48	-2.03685415872004	0.0474433670475965	0.0827293363627522	0.138877532213302
DLBC	KDM4C	cg14196303	0.244584790580421	48	1.71081581364148	0.0938519777497413	0.0598217197832686	0.227598140748258
DLBC	KDM4C	cg14473811	0.00943021855726026	48	0.063961698157195	0.949277871722859	8.89290220376958e-05	0.973118436185911
DLBC	KDM4C	cg14497348	-0.255711428258828	48	-1.79396289050757	0.0793934033284703	0.0653883345421696	0.201908749130407
DLBC	KDM4E	cg15555590	0.112023136498219	48	0.764590517019371	0.448420130297701	0.0125491831108986	0.639766527508524
DLBC	KDM4E	cg19409026	0.471973307431899	48	3.63093477579711	0.000707460864246195	0.222758802928206	0.00503119210834341
DLBC	KDM5B	cg00528052	-0.520986158246398	48	-4.13969589156045	0.000146755517757834	0.271426577084341	0.00133684997054484
DLBC	KDM5B	cg00571448	-0.461177682537924	48	-3.52511180182143	0.000970351738384119	0.21268485487105	0.00654762278912778
DLBC	KDM5B	cg02624558	-0.414443430444667	48	-3.0886376085118	0.00340480514672992	0.171763357038743	0.0182331803940736
DLBC	KDM5B	cg04504182	-0.442214029248299	48	-3.34397314442217	0.00164974444325333	0.195553247664015	0.0101639517873168
DLBC	KDM5B	cg08915090	-0.431421411855546	48	-3.24340817164297	0.00220210116186081	0.186124434607433	0.0128360750626255
DLBC	KDM5B	cg09889216	-0.309374238656231	48	-2.20652971413991	0.0323782832717922	0.0957124195441225	0.104477007293782
DLBC	KDM5B	cg11171004	-0.222289838829762	48	-1.54633127417891	0.128877420445804	0.0494127724469615	0.284341748331279
DLBC	KDM5B	cg11221497	-0.410604923225375	48	-3.05419750903308	0.00374593395110913	0.168596402976916	0.0196979306335395
DLBC	KDM5B	cg13134514	-0.23708962462277	48	-1.65521388960238	0.104688983615753	0.056211490103766	0.246136810668638
DLBC	KDM5B	cg13253785	-0.4680116061706	48	-3.59186260432035	0.00079539408339173	0.219034863510385	0.0055420409604457
DLBC	KDM5B	cg13993945	-0.358363996541426	48	-2.60345960468409	0.0123823723093868	0.128424754017143	0.050383088625788
DLBC	KDM5B	cg14560895	-0.37109909929173	48	-2.71046176288668	0.00941158911148042	0.137714541495133	0.0406442302286282
DLBC	KDM5B	cg21105875	0.106490533195605	48	0.726384363809587	0.471283366962778	0.0113402336602843	0.659595377015071
DLBC	KDM5B	cg24354901	-0.353986620453362	48	-2.56707064484274	0.0135738832216381	0.125306527459992	0.0540966532450877
DLBC	KDM5B	cg27531483	-0.392889914581632	48	-2.89772839085225	0.00573936900742049	0.154362484979962	0.0276840570785757
DLBC	KDM5C	cg01859586	-0.216177226341681	48	-1.5016941330292	0.140010053071716	0.0467325931887824	0.301356889817146
DLBC	KDM5C	cg04927657	0.0455303896704017	48	0.309122701442456	0.758624031944732	0.00207301638353862	0.865515717625705
DLBC	KDM5C	cg04927982	-0.532347530277201	48	-4.26514604786774	9.83847231224497e-05	0.283393892992235	0.000950775298209671
DLBC	KDM5C	cg09554224	0.066412564901195	48	0.451428572280429	0.653801886171023	0.00441062877675544	0.797970848817656
DLBC	KDM5C	cg12234996	-0.602043027387345	48	-5.11388902779482	5.99232749885437e-06	0.362455806825719	8.34489327754619e-05

DLBC	KDM5C	cg16417926	-0.322971054180887	48	-2.31453486576116	0.0251555729119364	0.104310301838713	0.0866343701189422
DLBC	KDM5C	cg16824069	-0.598870423399136	48	-5.07180799361079	6.90524108026758e-06	0.35864578402226	9.43922552448315e-05
DLBC	KDM5C	cg19903753	-0.697096047162732	48	-6.59425678054622	3.70728967930674e-08	0.485942898969906	8.95389299323155e-07
DLBC	KDM5C	cg24985300	0.23265433159855	48	1.6224595665317	0.111539735073914	0.0541280380115679	0.257404988144174
DLBC	KDM5C	cg27526317	-0.532198607746608	48	-4.26348130750087	9.89109192565044e-05	0.283235358087428	0.000954911398937764
DLBC	KDM6A	cg00751785	-0.41745007215152	48	-3.11575280522469	0.00315700911394971	0.174264562739309	0.0171709688184719
DLBC	KDM6A	cg03267667	-0.287994964160854	48	-2.03969482719975	0.0471478963666189	0.0829410993820113	0.13823628877039
DLBC	KDM6A	cg03478540	-0.403340228154483	48	-2.98954840167655	0.00447450960927058	0.16268333964771	0.022694614717929
DLBC	KDM6A	cg06877198	-0.101828552842747	48	-0.69424355066418	0.491020992930246	0.0103690541740481	0.676708639597365
DLBC	KDM6A	cg07167981	-0.573141359701583	48	-4.74367309557037	2.0664418586285e-05	0.328491018200579	0.000246597297054986
DLBC	KDM6A	cg11895950	-0.632601922141887	48	-5.53988604412101	1.40861692881817e-06	0.40018519189761	2.31283126552303e-05
DLBC	KDM6A	cg14384228	-0.165537711532397	48	-1.13843788722114	0.260832181860702	0.0274027339393832	0.45607378471312
DLBC	KDM6A	cg15923127	0.0482395635450912	48	0.327557982988053	0.744732035978757	0.00232705549102089	0.85657211982533
DLBC	KDM6A	cg17824914	0.0740992396314682	48	0.503950920016194	0.616701084042614	0.00549069731396175	0.772268630491302
DLBC	KDM6A	cg20211377	-0.035638516258335	48	-0.241865823530896	0.809959160815985	0.00127010384109561	0.897347730731703
DLBC	KDM6A	cg22133177	-0.293671795835022	48	-2.08365506343633	0.0427751727901819	0.0862431236689671	0.128614841419217
DLBC	KDM6A	cg27306636	-0.578028661990611	48	-4.80429171331922	1.68999178996126e-05	0.334117134082656	0.00020684584850259
DLBC	KDM6B	cg01046511	-0.153347833678834	48	-1.05250434383708	0.298065787941961	0.0235155580939913	0.496270223164902
DLBC	KDM6B	cg02308232	-0.0909206299918185	48	-0.619218429667967	0.538827352505009	0.00826656095810917	0.714452350996731
DLBC	KDM6B	cg24893073	-0.0535599417884561	48	-0.363783360559203	0.717686504157237	0.0028686673643828	0.839675508398125
DLBC	KDM8	cg00636124	0.0523189939451209	48	0.355331334743098	0.723965590545659	0.0027372771274296	0.843600978424491
DLBC	KDM8	cg01755539	-0.303050096325386	48	-2.1568105772482	0.0362809991147697	0.0918393608828259	0.113923069430248
DLBC	KDM8	cg06329197	-0.0398985735983555	48	-0.27082093726255	0.787740295839983	0.00159189617518339	0.883080181036348
DLBC	KDM8	cg08572679	-0.329171501586753	48	-2.3643125188669	0.0223404515059757	0.108353877456878	0.0791129408437669
DLBC	KDM8	cg09140090	-0.119244370974664	48	-0.814566658290229	0.419517599628573	0.0142192200091433	0.614856198223501
DLBC	KDM8	cg10214171	-0.235961793839654	48	-1.6468746470974	0.106399593181838	0.0556779681520273	0.248932834317474
DLBC	KDM8	cg10221365	-0.394281559194232	48	-2.90987773534323	0.0055547112151823	0.155457947920635	0.0269722991245173
DLBC	KDM8	cg16752029	-0.201707902584526	48	-1.3967589270381	0.169188887978386	0.0406860779650486	0.342607628115683
DLBC	KDM8	cg24206694	0.111429370921645	48	0.760486804585419	0.45084426577695	0.0124165047039935	0.641554983046145
DLBC	KDM8	cg24705286	0.197242648111177	48	1.36457215563661	0.179026063649359	0.0389046622339097	0.355783716835822
DLBC	KIAA202f	cg03495688	-0.469686221872426	48	-3.60834429443898	0.000757094024966425	0.220605147016794	0.00531969724434011
DLBC	KIAA202f	cg25608569	-0.446228955479881	48	-3.38183968132437	0.00147812453089717	0.199120280708666	0.00928905563911578
DLBC	KMT2B	cg09284703	-0.189084827838092	48	-1.30599485603551	0.198047685875351	0.0357530721185607	0.380606124883705
DLBC	KMT2B	cg13830730	-0.679001924160261	48	-6.27296853804509	1.12730371264648e-07	0.461043613013337	2.4212442026952e-06
DLBC	KMT2B	cg15496871	0.262462344815535	48	1.84478009716929	0.0715137726910935	0.0688864824460689	0.187244513557342
DLBC	KMT2B	cg24471867	-0.325509840124651	48	-2.33487562024965	0.0239689671613381	0.105956656017976	0.0835076282569365
DLBC	L3MBTL1	cg01071811	-0.233777097831994	48	-1.63074089424358	0.109774025384021	0.0546517314707495	0.254599026018858
DLBC	L3MBTL1	cg01877937	-0.0247580940293876	48	-0.167969050776827	0.867343955481908	0.000612963219967999	0.929485703480495
DLBC	L3MBTL1	cg02177317	-0.384351424910824	48	-2.8236950725044	0.00699383389463231	0.147726017830981	0.032371557240687
DLBC	L3MBTL1	cg02472486	-0.166394546493549	48	-1.14449787442687	0.258337656880725	0.027687145102794	0.452943873774603
DLBC	L3MBTL1	cg02611863	-0.078193502620146	48	-0.531962900908333	0.59731171007045	0.00611422385200678	0.758215993688841
DLBC	L3MBTL1	cg03486259	-0.177207547106906	48	-1.22120749598078	0.228229790705866	0.0314025147516462	0.418116718589208
DLBC	L3MBTL1	cg04984575	-0.0138126053349081	48	-0.0936905852571451	0.925761848701471	0.000190788066137931	0.960902977463105
DLBC	L3MBTL1	cg06362543	0.0890300393371394	48	0.606238513862507	0.547336593701703	0.00792634790437258	0.72070925813186
DLBC	L3MBTL1	cg06446163	0.0109951901629058	48	0.0745775160431166	0.940874243906786	0.000120894206718461	0.96840938398096
DLBC	L3MBTL1	cg06908806	-0.0849605224964765	48	-0.578321324981063	0.565867969651493	0.00721829038287429	0.735045381139579
DLBC	L3MBTL1	cg07678583	0.00264581475153036	48	0.0179448515292018	0.985760458485461	7.00033569941563e-06	0.992553031623472
DLBC	L3MBTL1	cg08369943	-0.0792358596102327	48	-0.539098728527777	0.592418532378956	0.0062783214481725	0.754738668389835
DLBC	L3MBTL1	cg08633313	-0.068031547730622	48	-0.462483902363093	0.645914615506908	0.0046282914866239	0.792382751637907
DLBC	L3MBTL1	cg09541000	-0.320264842545485	48	-2.2929141057311	0.0264741688347081	0.102569569370684	0.0899280189646007
DLBC	L3MBTL1	cg10360552	-0.251014901585365	48	-1.75877624067593	0.0852665441753651	0.0630084808179104	0.212521643521029
DLBC	L3MBTL1	cg12699433	0.0114150432911675	48	0.077425634941208	0.938620749749729	0.000130303213339227	0.967199618704618
DLBC	L3MBTL1	cg14306330	-0.224969202261672	48	-1.5659573115129	0.124212815295116	0.0506111419662531	0.277234593403191
DLBC	L3MBTL1	cg15123011	0.0290480779855238	48	0.197096822067982	0.844620074242362	0.000843790834653075	0.916969605554459
DLBC	L3MBTL1	cg15302378	-0.222055872691066	48	-1.54461925614819	0.129290903734341	0.0493088105965909	0.285076145488048
DLBC	L3MBTL1	cg15330298	0.0247508446998919	48	0.167919838203963	0.867382450105985	0.000612604313358166	0.929511334513563
DLBC	L3MBTL1	cg15388309	0.0304065489072797	48	0.20632264904339	0.837449389219664	0.000924558216450793	0.912981554765472

DLBC	L3MBTL1	cg16862791	-0.0709187969909493	48	-0.482208840606246	0.631944222547551	0.00502947576664348	0.783006462394026
DLBC	L3MBTL1	cg17091610	-0.0789803252293673	48	-0.537349212799882	0.593616451510057	0.00623789177333663	0.755530353163336
DLBC	L3MBTL1	cg17774347	-0.0079667700577199	48	-0.0540349782428519	0.95714129502734	6.34694251525824e-05	0.977445586722635
DLBC	L3MBTL1	cg18911945	-0.274015735666504	48	-1.93242843536897	0.0594779892135604	0.0750846233928555	0.163640499562622
DLBC	L3MBTL1	cg20091959	-0.336192489789739	48	-2.42109220420776	0.0194772638290472	0.113025390191024	0.0713377712955224
DLBC	L3MBTL1	cg20252111	-0.253267917108494	48	-1.7756392156881	0.0824080713215551	0.064144637836475	0.207350200543019
DLBC	L3MBTL1	cg20529070	-0.105270636125451	48	-0.71796951045283	0.476406836092875	0.0110819068302571	0.66416889083567
DLBC	L3MBTL1	cg22330467	-0.233309775039529	48	-1.62729316697755	0.110506343823711	0.0544334511289955	0.255839534113783
DLBC	L3MBTL1	cg22457903	-0.0135682758098899	48	-0.0920329957848839	0.927071464255214	0.000184098108453242	0.961483612813065
DLBC	L3MBTL1	cg22601123	-0.019135405810086	48	-0.129806403941082	0.897285560604208	0.000366163755516675	0.945641122108747
DLBC	L3MBTL1	cg23626798	-0.00235676844551193	48	-0.0159844256829481	0.987315945703226	5.55435750576072e-06	0.993269806321138
DLBC	L3MBTL1	cg24343973	-0.00399910337969279	48	-0.0271234556489535	0.978478597697258	1.59928278414703e-05	0.98883804712013
DLBC	L3MBTL2	cg02358112	0.092107699166829	48	0.627371735242606	0.533517530483009	0.00848382824580708	0.710583347881238
DLBC	L3MBTL2	cg06235991	0.143392055272741	48	0.982687363308738	0.330901861507358	0.0205612815153408	0.530640347882727
DLBC	L3MBTL2	cg08053598	0.224849109257427	48	1.56507684692251	0.124419124839495	0.0505571219338585	0.277488070805416
DLBC	L3MBTL2	cg09993119	0.239087241851986	48	1.67000181122445	0.101711061049683	0.05716270921639	0.241168895220794
DLBC	L3MBTL2	cg12821546	0.213044106988487	48	1.47888685722521	0.145986322856097	0.045387791522522	0.309997713338002
DLBC	L3MBTL2	cg13843727	0.235260764005744	48	1.64169474857336	0.107473609619655	0.0553476270805662	0.250871725230337
DLBC	L3MBTL2	cg14679202	-0.0628052602946009	48	-0.42680860515454	0.671509753728133	0.00394450072067257	0.809729052521642
DLBC	L3MBTL2	cg15283028	0.284526230883463	48	2.01294950136052	0.049994116675468	0.08095517606075	0.144270432252072
DLBC	L3MBTL2	cg19467356	0.344465410271486	48	2.48858174690742	0.016507313453915	0.118656418873503	0.0628017382058814
DLBC	L3MBTL2	cg24240981	0.16621896894292	48	1.14325588100923	0.258847512803571	0.0276287456364472	0.453561803974166
DLBC	L3MBTL2	cg26947834	0.182098090288185	48	1.25605002971804	0.215439934861564	0.033159714486604	0.402515353586159
DLBC	L3MBTL2	cg27177954	-0.299450959810172	48	-2.1286556261213	0.0386699457285004	0.089670877331233	0.11944767750657
DLBC	L3MBTL3	cg03454037	0.0132933100706112	48	0.0901675826699887	0.92854551943042	0.000176712092633412	0.962238845591715
DLBC	L3MBTL3	cg07826275	-0.113806723137057	48	-0.776922486876135	0.441181587405757	0.0129519702311947	0.63377184345835
DLBC	L3MBTL3	cg08106148	-0.160766529765443	48	-1.10474162213941	0.275016693999248	0.025845877092823	0.471507409211626
DLBC	L3MBTL3	cg08358392	-0.0569328895385585	48	-0.386764973585362	0.700713680076876	0.0032413539112097	0.828515062587782
DLBC	L3MBTL3	cg09710740	-0.16858574329242	48	-1.16000733516268	0.252031301642879	0.0284211528414579	0.445845985992499
DLBC	L3MBTL3	cg10237990	-0.165666174323397	48	-1.13934627430396	0.26045716201299	0.02744528131495	0.455592131619341
DLBC	L3MBTL3	cg16487825	-0.159198192345091	48	-1.09368279959218	0.279788403312953	0.0253440644459444	0.476892685246333
DLBC	L3MBTL3	cg16800851	-0.24204093523883	48	-1.69190863835195	0.0974279109400003	0.0585838143312875	0.233669592541201
DLBC	L3MBTL3	cg18411550	-0.199225584264691	48	-1.37885464912448	0.174607984336037	0.0396908334256074	0.349996815468271
DLBC	L3MBTL3	cg18798995	-0.217316909772114	48	-1.51000238646435	0.137881935138795	0.0472266392729009	0.298098611246509
DLBC	L3MBTL3	cg22934935	0.159385828478525	48	1.09500542958478	0.279214667803076	0.0254038423197859	0.476269560968107
DLBC	L3MBTL3	cg24516147	-0.196647969096071	48	-1.36029226760178	0.180366570857406	0.0386704237496091	0.357516167179175
DLBC	LBR	cg01017344	-0.31887871796859	48	-2.28186420548481	0.0271716058077758	0.101683636773292	0.0916925303522367
DLBC	LBR	cg05530459	-0.0382597463311363	48	-0.259680355408067	0.796269086902069	0.0014638081893229	0.888456403236562
DLBC	LBR	cg12994003	0.0655445239487084	48	0.445502578401786	0.658046278722525	0.00429608461966281	0.800964627023299
DLBC	LBR	cg14607642	-0.390664109611586	48	-2.87834552922502	0.00604584154652665	0.152618446538613	0.0288421362133935
DLBC	LBR	cg18107727	-0.0969453585406747	48	-0.660627160574597	0.512146425449815	0.00939840254257996	0.694026454413633
DLBC	LBR	cg18289048	-0.190632843951876	48	-1.31708840088632	0.194332585544119	0.0363408811931803	0.375674895875433
DLBC	LBR	cg18764107	0.0970953921376963	48	0.661659276481857	0.51149060408402	0.00942751517437303	0.693621735175803
DLBC	LBR	cg19322477	-0.303406443689069	48	-2.15960367384963	0.0360512387625685	0.0920554700720482	0.113389264506156
DLBC	LBR	cg20483690	-0.359728191227002	48	-2.6148401741267	0.0120298506809898	0.12940437156345	0.0492285383072667
DLBC	LBR	cg26930584	-0.213247926106928	48	-1.48036907835879	0.145591899381132	0.0454746779889058	0.309534481715607
DLBC	MBD1	cg01719254	-0.551277588844922	48	-4.48141964651395	4.89117636180196e-05	0.30390697996267	0.000520027571258743
DLBC	MBD1	cg03841029	-0.584103389961773	48	-4.88072333986037	1.3102456216907e-05	0.341176770164835	0.000165603977081733
DLBC	MBD1	cg05549078	-0.637295678004459	48	-5.60892930251065	1.11202592002823e-06	0.406145781203163	1.87981191705076e-05
DLBC	MBD1	cg12090413	-0.541425648835495	48	-4.36768762991121	7.0736265466867e-05	0.293141733216937	0.000715772247103206
DLBC	MBD1	cg13478031	-0.498635294071302	48	-3.90154907334235	0.000309647347093973	0.248637156493574	0.00250976304645015
DLBC	MBD1	cg14389183	-0.621341361969989	48	-5.37833705571984	2.445059278122e-06	0.386065088094721	3.76953907019863e-05
DLBC	MBD1	cg19328682	-0.551299874145987	48	-4.48167990685867	4.88703170200061e-05	0.303931551233382	0.00051972897365063
DLBC	MBD1	cg21282183	-0.132565963799442	48	-0.907112114620821	0.369075099623763	0.0175737347580751	0.567786511234991
DLBC	MBD2	cg15090185	-0.126566985386144	48	-0.865378378494981	0.391322066509747	0.0160192017897363	0.588442794737253
DLBC	MBD2	cg16852837	-0.446638688399166	48	-3.38571830483313	0.00146153783605943	0.199486117974927	0.00920266081897266
DLBC	MBD2	cg17987217	-0.339213556236671	48	-2.44566312266401	0.0183442639257819	0.115065836734729	0.0681148235331144

DLBC	MBD2	cg22224310	-0.212254305609128	48	-1.47314514181343	0.147522188804689	0.045051890249613	0.312255901718825
DLBC	MBD2	cg22836370	0.0631463821945282	48	0.429136038482285	0.669827465411582	0.00398746558425743	0.808687035884111
DLBC	MBD2	cg23388714	-0.37150296378021	48	-2.71388353652584	0.00932844002037616	0.13801445209748	0.0403843196504415
DLBC	MBD2	cg24881765	-0.338394647793722	48	-2.43899438620425	0.0186457275845635	0.114510937655437	0.0689839602279703
DLBC	MBD2	cg25192916	0.0379885587754466	48	0.257837054640575	0.797682703058937	0.00144313059783556	0.88938477504299
DLBC	MBD3	cg08660999	0.247765726200391	48	1.73451100937417	0.0895246711107957	0.0613878550796072	0.220045016301635
DLBC	MBD3	cg09174855	-0.322661183491411	48	-2.312056015531	0.0253037133710634	0.104110239332078	0.0869929767539555
DLBC	MBD3	cg12286540	0.486690755312208	48	3.77861069379726	0.000452102156946082	0.236867891306368	0.00344508132015511
DLBC	MBD5	cg03890220	0.159973998120098	48	1.0991521735627	0.277421236053877	0.0255916800745292	0.47419818152521
DLBC	MBD5	cg04152151	-0.322270388941883	48	-2.30893098752083	0.0254915813498982	0.103858203588753	0.0874610602246616
DLBC	MBD5	cg05218490	-0.346172810259754	48	-2.50259154989984	0.0159448219732125	0.119835614563136	0.0611341291564363
DLBC	MBD5	cg06394585	-0.224807464509464	48	-1.56477154505006	0.124490727281943	0.0505383960991739	0.277602581186568
DLBC	MBD5	cg06758980	-0.114350630478635	48	-0.780684647458327	0.438987135576941	0.0130760666908613	0.63170428266352
DLBC	MBD5	cg20595490	0.0474820970315286	48	0.322402892082104	0.748608276642377	0.0022545495385115	0.859133630441641
DLBC	MBD5	cg21412502	0.110942332521477	48	0.757121335228946	0.452838015083792	0.012308201145306	0.643267472868415
DLBC	MBD5	cg23120335	0.167657874661236	48	1.15343766362295	0.254688957113474	0.0281091629359228	0.448934443505814
DLBC	MBD5	cg25686162	-0.173932392408088	48	-1.19792615448001	0.237081842364767	0.0302524771288011	0.428481201675603
DLBC	MBD5	cg26664634	0.0448700276819659	48	0.304630147487676	0.7620218512973	0.00201331938418038	0.867755741401266
DLBC	MBTD1	cg01388767	-0.47693604158888	48	-3.68027961666402	0.000609674441117089	0.22746798776647	0.00443261808151989
DLBC	MBTD1	cg14577476	0.240134939168541	48	1.6777666597727	0.100175513963781	0.0576647890094789	0.238538534842314
DLBC	MBTD1	cg17045523	-0.329149806079242	48	-2.36413775376113	0.0223498193739958	0.108339594842003	0.0791281048732822
DLBC	MBTD1	cg18711617	-0.461933483435588	48	-3.53245443936018	0.000949439092587928	0.213382543118936	0.00642713755384488
DLBC	MBTD1	cg22141797	-0.47715585596839	48	-3.68247569949694	0.000605639089724102	0.227677710884927	0.00440739825500438
DLBC	MBTD1	cg25259117	-0.564759850432724	48	-4.64145781746568	2.89602144356974e-05	0.318953688660793	0.000330584141131422
DLBC	MBTD1	cg25716740	-0.116266519791156	48	-0.79394238012663	0.431305761843101	0.0135179036243472	0.625265559181958
DLBC	MBTD1	cg25855326	0.0911148831121303	48	0.62055246119697	0.537956698390385	0.00830192192453717	0.713756121750509
DLBC	MBTD1	cg27207041	-0.308052746591802	48	-2.19611398578315	0.0331636766149491	0.0948964946827527	0.106382578195159
DLBC	MBTD1	cg27214721	0.308233232244326	48	2.19753570638463	0.0330554893707164	0.0950077254597847	0.106115868908113
DLBC	MBTD1	cg27353579	-0.395440875668736	48	-2.92001689845484	0.00540485969723436	0.156373486149657	0.0264012090472592
DLBC	MLLT10	cg00879184	-0.411869682698924	48	-3.06552350929662	0.00363035846763691	0.169636635526512	0.0191783312937217
DLBC	MLLT10	cg03524461	0.0770241824907533	48	0.52395998962149	0.602821938182128	0.00593272468836887	0.762056893139801
DLBC	MLLT10	cg04188362	-0.099683312234674	48	-0.679469408752394	0.500245482068365	0.00993676273807551	0.684202978867512
DLBC	MLLT10	cg05913198	-0.307189394647786	48	-2.18931681431482	0.0336852501232627	0.0943653241840732	0.107596401071201
DLBC	MLLT10	cg06398735	-0.24275361105201	48	-1.69720183399321	0.0964156418056326	0.0589293156787908	0.232064553653271
DLBC	MLLT10	cg11443378	-0.137456381918688	48	-0.941208661739018	0.351514693878762	0.0188942569301761	0.550492885668936
DLBC	MLLT10	cg15910013	0.0476757167125214	48	0.323720556421605	0.747616863097056	0.00227297396405259	0.858350397706137
DLBC	MLLT10	cg19119538	-0.236911700441378	48	-1.653897838495	0.104957433938993	0.0561271538060251	0.24659655751412
DLBC	MLLT10	cg20569108	-0.00698834168515408	48	-0.0473983967535195	0.962400897270694	4.88369195084621e-05	0.980256828372825
DLBC	MLLT10	cg23344688	-0.657727533084263	48	-5.92219059400912	3.78735420008198e-07	0.432605507777711	7.17742832256219e-06
DLBC	MLLT10	cg26877631	0.496936392358326	48	3.88388708014234	0.000327050066639629	0.246945778050108	0.00262640491781159
DLBC	MLLT10	cg27470303	-0.436957652585954	48	-3.29477491410984	0.00190111764829959	0.190931990153427	0.0114125739896457
DLBC	MLLT10	cg27572529	-0.346260617926999	48	-2.50331280378975	0.0159163403484669	0.119896415527187	0.0610550187903667
DLBC	MLLT6	cg05652455	0.117811820596928	48	0.80464222120623	0.425165490311652	0.0138796250723628	0.620015074294317
DLBC	MORF4L	cg03589001	-0.0905293077992809	48	-0.616531244325675	0.540583353336845	0.00819555557061694	0.715839541592676
DLBC	MORF4L	cg07757959	0.104502814612041	48	0.712674758783522	0.479646690316467	0.0109208382618386	0.666950375157212
DLBC	MORF4L	cg08692282	0.448061610681622	48	3.39920870724711	0.00140521560013515	0.20075920696661	0.00890423901579492
DLBC	MORF4L	cg13747872	-0.182499974346697	48	-1.25891748687088	0.214411586373776	0.0333062406365452	0.401162484676436
DLBC	MORF4L	cg15822222	0.0641036136350529	48	0.435667921545683	0.6651153182495	0.00410927328107213	0.805611052484182
DLBC	MORF4L	cg20775702	-0.33943366372002	48	-2.44745662629869	0.0182639429952532	0.115215212066396	0.0678846240502975
DLBC	MORF4L	cg20905746	0.289074833801966	48	2.04803885355132	0.0462892222508337	0.083564259537634	0.136350766973925
DLBC	MORF4L	cg23623458	-0.330501723032794	46	-2.32283100181458	0.0248751072684728	0.109231388927646	0.0858800024339224
DLBC	MORF4L	cg24795825	-0.0321554564688521	48	-0.218201753106992	0.828237053847355	0.00103397338072024	0.907644578900675
DLBC	MPHOSF	cg00331616	0.106480655185931	48	0.72631621200207	0.471324735428884	0.0113381299288251	0.659618912118923
DLBC	MPHOSF	cg03134886	-0.242275300929499	48	-1.69364900089431	0.0970941206936257	0.0586973214404792	0.233120583477051
DLBC	MPHOSF	cg03428000	-0.180090526025909	48	-1.24173570262581	0.220628365183102	0.0324325975642885	0.408836659493626
DLBC	MPHOSF	cg04203901	-0.10643306328904	48	-0.725987862082063	0.471524074356782	0.0113279969610887	0.659733477972959
DLBC	MPHOSF	cg06019692	-0.485171056773795	48	-3.76317214005978	0.000473938886115351	0.235390954331001	0.00358270349882982

DLBC	MPHOSF	cg09559995	-0.59888212725953	48	-5.07196254333598	6.90164906170476e-06	0.358659802350899	9.43597341135783e-05
DLBC	MPHOSF	cg11051893	-0.327193549652252	48	-2.34839660998164	0.023208188441255	0.107055618934041	0.0814994723784135
DLBC	MPHOSF	cg19693579	-0.113884448872289	48	-0.777460065715393	0.440867623043478	0.0129696676949451	0.633430816362331
DLBC	MPHOSF	cg20759595	-0.559181035040048	48	-4.57459806982078	3.60730618245175e-05	0.312683429948459	0.000400485510564082
DLBC	MPHOSF	cg20952532	-0.511170347870432	48	-4.0337510024674	0.000205006290974268	0.261295124541978	0.00177202882222802
DLBC	MPHOSF	cg21958444	-0.252678534417713	48	-1.77122494071883	0.0831484806547608	0.0638464417554831	0.20861895842554
DLBC	MPHOSF	cg22656705	-0.175112834243714	48	-1.2063125193561	0.233864715264854	0.0306645047168666	0.42480845399664
DLBC	MSH6	cg00620552	-0.0543927990397993	48	-0.369456849825882	0.713482609338589	0.00295857658738399	0.836997709546796
DLBC	MSH6	cg02905881	-0.303489030069349	48	-2.16025113893371	0.03599816149256	0.0921055913724342	0.113254376800753
DLBC	MSH6	cg05039065	-0.312239786539761	48	-2.22916405929019	0.0307280583872511	0.0974936842983956	0.100439435889824
DLBC	MSH6	cg07652213	0.0305997021242026	48	0.207634508388978	0.836430875765287	0.000936341770089928	0.912433793494752
DLBC	MSH6	cg09898070	-0.125719050998504	48	-0.859487360581862	0.3945288299885	0.0158052797839644	0.591270413658877
DLBC	MSH6	cg11869233	-0.21605797955133	48	-1.50082520084145	0.140234125431337	0.046681050527803	0.30171881438527
DLBC	MSH6	cg16595246	-0.122571232358376	48	-0.837634544487804	0.406567139677603	0.015023707001851	0.602836855389185
DLBC	MSH6	cg18222961	0.0481199131387487	48	0.326743640610491	0.745343919228191	0.00231552604048072	0.857002825017888
DLBC	MSH6	cg19076255	0.0126279896847267	48	0.0856540227950945	0.932113186062383	0.000159466123477563	0.963996931661863
DLBC	MSH6	cg19736286	0.167221223691563	48	1.15034709714808	0.255946136511457	0.0279629376529038	0.450191592289326
DLBC	MSH6	cg21405109	-0.00685057321852599	48	-0.0464639384389221	0.963141612387273	4.69303534223856e-05	0.980624195075495
DLBC	MTA1	cg01318265	-0.194415423540232	48	-1.3442385900964	0.185463430422689	0.0377973569103278	0.364185630065443
DLBC	MTA1	cg01655777	-0.15095692678741	48	-1.03570855735489	0.305752338631508	0.0227879937450996	0.504283229756035
DLBC	MTA1	cg05922925	-0.433124580492673	48	-3.25916210302911	0.00210530036825978	0.187596902226954	0.0123841010849453
DLBC	MTA1	cg13052453	0.0237786331264385	48	0.161320149953134	0.872547705502331	0.000565423393361759	0.932467562357969
DLBC	MTA1	cg13981078	-0.255105311520853	48	-1.78941426201838	0.0801329838847807	0.0650787199661514	0.203315787101941
DLBC	MTA1	cg16531924	-0.10908696241498	48	-0.744305635641981	0.460477121970406	0.0118999653689273	0.65023973474008
DLBC	MTA1	cg20222911	0.0443266223176984	48	0.300933569541827	0.764821217330385	0.00196484944609587	0.869505199348219
DLBC	MTA1	cg21517792	-0.0919735704544391	48	-0.626450346598487	0.534116211188615	0.00845913766213767	0.711003362991224
DLBC	MTA1	cg23123838	-0.100498044212966	48	-0.685079279615521	0.496731718819962	0.0100998568906313	0.681373712092115
DLBC	MTA1	cg23883989	0.0341889829074616	48	0.232016604058614	0.817554230517464	0.0011688865522467	0.901908928342772
DLBC	MTA1	cg23966123	-0.0622611315865643	48	-0.423096391500328	0.67419649118134	0.00387644850643947	0.81164639898793
DLBC	MTA2	cg00501779	-0.157482334745691	48	-1.08159349591751	0.285070906858331	0.0248006857569537	0.482261740309601
DLBC	MTA2	cg07654871	-0.0109836681592744	48	-0.0744993558540256	0.940936092942651	0.000120640966233059	0.968432291773037
DLBC	MTA2	cg09086761	-0.0619508309304165	48	-0.420979594634099	0.6757304621991	0.00383790545296905	0.812547732843602
DLBC	MTA2	cg13708959	-0.241484488410228	48	-1.68777781159141	0.0982239704179297	0.0583147581427495	0.235042619338432
DLBC	MTA2	cg19570317	-0.319904422538884	48	-2.29003933728306	0.0266540617711494	0.102338839559937	0.0903694086478447
DLBC	MTA2	cg21002970	-0.193521600547115	48	-1.33781743485374	0.187532610115944	0.037450609878317	0.366859754856031
DLBC	MTF2	cg05396182	0.26453221930937	48	1.86041878364895	0.0692261660358479	0.0699772950527404	0.182856738874021
DLBC	MTF2	cg05962718	-0.214932023471332	48	-1.49262400623217	0.142363034216544	0.0461957747134813	0.304785477167675
DLBC	MTF2	cg09936581	0.0642231157655313	48	0.436483455496005	0.664527939646048	0.00412460859863284	0.805175399685767
DLBC	MTF2	cg11404133	-0.282685647207058	48	-1.99879289267918	0.0515600149940453	0.0799111751368733	0.147590234626587
DLBC	MTF2	cg14474880	-0.246291501923744	48	-1.72352195546996	0.0915104606823538	0.0606595039198534	0.223480294406625
DLBC	MTF2	cg15463775	0.115209089921366	48	0.786623986823306	0.435535958912188	0.0132731344005093	0.628726746847556
DLBC	MTF2	cg16813892	0.0107301510091607	48	0.0727796148154836	0.94229703577835	0.000115136140679393	0.969305657429882
DLBC	MTF2	cg19708337	-0.127456181263134	48	-0.871558131421864	0.387975749741722	0.0162450781421808	0.585811604274049
DLBC	MTF2	cg22801127	-0.15186427041102	48	-1.0420803116364	0.302820481377054	0.0230627566274715	0.501171560230847
DLBC	MTF2	cg23992808	-0.261974193894006	48	-1.84109592845368	0.0720619048702844	0.0686304782664141	0.188271891035697
DLBC	MTF2	cg26054395	-0.300095016826588	48	-2.13368650333489	0.0382332042867468	0.09005701912415	0.118408929268012
DLBC	NAP1L2	cg02379437	-0.242036507716627	48	-1.69187576330129	0.0974342252664169	0.0585816710676608	0.233675536238726
DLBC	NAP1L2	cg04297329	-0.469835219257613	48	-3.60981315228234	0.000753767846928588	0.220745133254849	0.00530234342019736
DLBC	NAP1L2	cg07693661	-0.341565594445837	48	-2.46485184339839	0.017501251788396	0.116667055309138	0.0657122632186148
DLBC	NAP1L2	cg20001978	-0.591073486453065	48	-4.96995710463208	9.72212976858725e-06	0.349367866387782	0.000127671060637656
DLBC	NAP1L2	cg23483095	-0.720059797068673	48	-7.03789965445543	7.99446469548796e-09	0.518486111354579	2.23150838364116e-07
DLBC	NCOA1	cg11380327	-0.33123632439167	48	-2.38096469063766	0.0214638632989544	0.109717502596504	0.0768730620818036
DLBC	NCOA1	cg13911252	-0.30554508906549	48	-2.17638768207443	0.0346973809462772	0.0933578014520379	0.110114961585065
DLBC	NCOA1	cg15477048	0.344845796598425	48	2.4917005132874	0.0163805602881926	0.118918623431602	0.0624263609983666
DLBC	NCOA1	cg23006163	-0.20263685049999	48	-1.40346636430251	0.167192620670314	0.0410616931805554	0.339925848271865
DLBC	NCOA3	cg04175879	-0.0919676559895307	48	-0.626409718350658	0.53414261782791	0.00845804974820867	0.711026348134091
DLBC	NCOA3	cg09568061	-0.20542587036684	48	-1.4236282164646	0.16130203555931	0.0421997882159736	0.331519129066628

DLBC	NCOA3	cg12128876	0.0331626185816206	48	0.225043603261297	0.822942113061398	0.00109975927119005	0.904683936176053
DLBC	NCOA3	cg14341558	-0.261513351023125	48	-1.83761925122799	0.0725824213428398	0.0683892327633443	0.189277029155373
DLBC	NCOA3	cg14774045	-0.542605812442687	48	-4.38117453854992	6.77191426518754e-05	0.294421067696589	0.00069020426423743
DLBC	NCOA3	cg18295930	-0.511238175693872	48	-4.03447562348615	0.000204540405055476	0.261364472286798	0.00176957476322128
DLBC	NCOA3	cg21735648	-0.282426964210598	48	-1.99680519463766	0.0517832388939896	0.0797649901132142	0.148033119704517
DLBC	NCOA3	cg22511723	-0.356197173578336	48	-2.58542252319657	0.01296047844311	0.126876426465195	0.0522191557905169
DLBC	NCOA3	cg22876277	-0.431919910324561	48	-3.24801474485917	0.00217336854231847	0.186554808934777	0.0126999949208385
DLBC	NCOA3	cg24856420	-0.42124614112329	48	-3.15016463916388	0.00286693517337312	0.177448311411263	0.0158819593304414
DLBC	NCOA3	cg25373408	-0.281376175739283	48	-1.98873588606427	0.0526980409259182	0.0791725522736636	0.149877212583295
DLBC	NCOR1	cg00253204	-0.223333909964103	48	-1.55397456487536	0.127044356004462	0.0498780353398542	0.281735707839541
DLBC	NCOR1	cg08125503	-0.0981880678765642	48	-0.66917742439679	0.506727159993677	0.00964089667333277	0.68964102085707
DLBC	NCOR1	cg08206308	-0.21703329945317	48	-1.50793427274597	0.138409250155412	0.0471034530715294	0.298846669682892
DLBC	NCOR1	cg21211144	0.0877704634409777	48	0.597594526923365	0.553041186111806	0.00770365425264401	0.725149362838714
DLBC	NCOR1	cg22291359	-0.272690587147797	48	-1.92233043861024	0.0607698530500124	0.0743601563190103	0.166181452058938
DLBC	NCOR1	cg22625220	-0.261028875929919	48	-1.83396574297163	0.0731328340077607	0.0681360740692368	0.190393234294167
DLBC	NCOR2	cg08976554	-0.0738850884935162	48	-0.50248646632432	0.61772255556447	0.00545900630169473	0.7729629803375
DLBC	NCOR2	cg10641483	-0.207549481024946	48	-1.43900407148865	0.156919539988756	0.0430767870737243	0.325526482478406
DLBC	NCOR2	cg13416396	0.185406362652255	48	1.2796742056082	0.207076467830555	0.0343755193119396	0.391944398881053
DLBC	NCOR2	cg13419087	-0.0744495796124003	48	-0.506346840358972	0.615031556876295	0.00554273990446314	0.770984642360928
DLBC	NCOR2	cg13857025	-0.420202645281902	48	-3.14068531946365	0.00294422988262104	0.176570263101908	0.0162189080504617
DLBC	NCOR2	cg16181859	-0.256232953476635	48	-1.7978785098267	0.078761345447624	0.0656553264473596	0.200653658231349
DLBC	NCOR2	cg19895345	-0.277270003625869	48	-1.95727751661345	0.0563988085971563	0.0768786549106896	0.157432592343004
DLBC	NCOR2	cg23611643	-0.0621590826903671	48	-0.422400224774026	0.67470082567393	0.0038637515609079	0.811937134078084
DLBC	NCOR2	cg24626542	-0.290056599688855	48	-2.05563224610686	0.0455196458139733	0.0841328310230607	0.134726652201044
DLBC	NCOR2	cg25113767	-0.121955223372557	48	-0.833361106105591	0.4089475091942	0.0148730765078502	0.604925986010032
DLBC	NCOR2	cg25449924	-0.0748171576020455	48	-0.508860851434659	0.613281953015778	0.00559760707164931	0.76979727493728
DLBC	ORC1	cg00298020	-0.179392350472113	48	-1.23676134303962	0.222452895177963	0.0321816154079093	0.411066783711596
DLBC	ORC1	cg02275620	-0.0239464083854429	48	-0.162459029739451	0.871655952247197	0.000573430474562411	0.93191424234372
DLBC	ORC1	cg04407474	-0.127202287766902	48	-0.86979339966703	0.388929504587132	0.0161804220131337	0.586579978671437
DLBC	ORC1	cg07142859	-0.259161269005138	48	-1.81989568720239	0.0752855838417732	0.0671645633523534	0.19442840053736
DLBC	ORC1	cg08613513	0.152121338868028	48	1.04388604555202	0.301993125530607	0.0231409017390013	0.500378122032076
DLBC	ORC1	cg10586599	0.13077212381867	48	0.89462230759564	0.375646315493712	0.0171013483680456	0.574194000619284
DLBC	ORC1	cg13460942	-0.220338063264778	48	-1.53205797076217	0.132357315253167	0.0485488621232734	0.289718767101993
DLBC	ORC1	cg16136434	-0.0666425092390751	48	-0.452998541951324	0.65267934984791	0.00444122403768021	0.797138554101801
DLBC	ORC1	cg16965475	-0.272061553717944	48	-1.91754117242395	0.0613909046048038	0.0740174890114219	0.167384703239896
DLBC	ORC1	cg17146111	0.23174003782091	48	1.6157209635003	0.112993531792534	0.053703445129237	0.259996415518601
DLBC	ORC1	cg19776520	-0.0853531184557433	48	-0.581013268921185	0.564067581670818	0.00728515483012015	0.733821757391545
DLBC	ORC1	cg21197365	0.218370756680094	48	1.51769066144238	0.135935638380897	0.047685787373037	0.295093678206371
DLBC	ORC1	cg23606758	-0.220500128255626	48	-1.53324241016406	0.132065712101058	0.0486203065607475	0.289267674837113
DLBC	ORC1	cg25605769	0.0471697977007724	48	0.320277638901982	0.750208226053676	0.0022498981513179	0.86005692563356
DLBC	PADI1	cg14524955	0.163868148784273	48	1.12663746219118	0.265738963997404	0.0268527701859846	0.461520705583776
DLBC	PADI1	cg21010178	0.157403596677442	48	1.08103897835067	0.285314867413467	0.0247758922469948	0.482538040687927
DLBC	PADI1	cg22193702	0.202441543319742	48	1.40205582806462	0.167610899625097	0.0409825784616788	0.340447058105348
DLBC	PADI2	cg00569276	-0.175397394284199	48	-1.20833495710918	0.233093684010478	0.0307642459216867	0.423853257302396
DLBC	PADI2	cg01603374	-0.16753075921981	48	-1.15253788284056	0.255054510977789	0.028066555284766	0.44932255572147
DLBC	PADI2	cg07014827	-0.114525194736721	48	-0.781892244121872	0.438284125033108	0.0131160202294838	0.630984440425375
DLBC	PADI2	cg09313801	-0.106272609192871	48	-0.724880881192434	0.472196468361427	0.0112938674646607	0.660263668976865
DLBC	PADI2	cg10233913	-0.129771035822922	48	-0.887656017983361	0.379343688138957	0.0168405217385542	0.577858639783078
DLBC	PADI2	cg15185794	-0.110338604891311	48	-0.752950301490436	0.455316114057468	0.0121746077293608	0.64561209129824
DLBC	PADI2	cg17183414	-0.114823207396284	48	-0.783953998996044	0.437085406887066	0.0131843689567699	0.630039877399478
DLBC	PADI2	cg18228326	-0.0977581264676357	48	-0.666218925460602	0.50859876511297	0.00955665129046226	0.691120060318929
DLBC	PADI2	cg18879300	-0.137408807220917	48	-0.940876632075445	0.351683018086045	0.0188811803018751	0.550656724679691
DLBC	PADI2	cg19282714	-0.123127185145653	48	-0.841492198741438	0.404425718867758	0.015160303721892	0.600830615949858
DLBC	PADI3	cg01459162	0.167513659547137	48	1.15241684811135	0.255103712485523	0.028060826134874	0.449380422288365
DLBC	PADI3	cg12858514	-0.221206163415966	48	-1.53840397228661	0.13080095788249	0.0489321667332109	0.28737128180718
DLBC	PADI3	cg14664242	0.0112245705863357	48	0.0761335378561925	0.939643023518053	0.000125990984847632	0.967783050515853
DLBC	PADI3	cg17589397	0.193065254327772	48	1.33454041463499	0.188595372069147	0.0372741924286475	0.368235031868766

DLBC	PADI3	cg18768338	0.0532163573033298	48	0.361443058477022	0.719423186408049	0.00283198068463566	0.84084113845999
DLBC	PADI3	cg21966975	0.0676817180452751	48	0.460094759679297	0.647615677093536	0.00458081495756011	0.793482966371325
DLBC	PADI4	cg16091981	0.725643673815918	48	7.15268794262628	5.38019555552811e-09	0.526558741349062	1.55074817727586e-07
DLBC	PADI4	cg18333690	0.384530051347614	48	2.82523502843993	0.00696533171459782	0.147863360389398	0.0322786093647122
DLBC	PADI4	cg19159961	0.0886104896803927	48	0.603358981760882	0.549233594838942	0.00785181888139898	0.722229179798861
DLBC	PADI4	cg21295838	0.442285180394472	48	3.34464201230705	0.00164655505235725	0.19561618079657	0.0101519637480137
DLBC	PADI4	cg23228178	-0.109550522252584	48	-0.747506864578911	0.458562005468785	0.0120013169258139	0.648512446433949
DLBC	PADI4	cg26918754	0.148955258374416	48	1.02166143472927	0.312284373238173	0.0221876689973889	0.511320309220627
DLBC	PADI6	cg12643633	-0.0305667182370748	48	-0.207410486553389	0.836604783902466	0.000934324263784721	0.912521137361662
DLBC	PADI6	cg16017904	0.189118500059522	48	1.30623605341801	0.197966344904769	0.0357658070647636	0.380477649912829
DLBC	PARP1	cg00653565	-0.257200030764038	48	-1.80514379149743	0.0775997859482807	0.0661518558250222	0.198611539663121
DLBC	PARP1	cg02088626	-0.407741052926928	48	-3.02862953272263	0.00401965800288527	0.16625276624196	0.0208205478571704
DLBC	PARP1	cg03149313	0.0525398115265607	48	0.35683518897972	0.722846944831552	0.00276043179524652	0.842932066769292
DLBC	PARP1	cg04960271	0.0614643235317771	48	0.417661003953874	0.678138132025477	0.00377786306721897	0.814171829168312
DLBC	PARP1	cg07113065	-0.456143257789827	48	-3.47644902351708	0.0011204916242624	0.20806671627116	0.00738039399041397
DLBC	PARP1	cg17661881	0.217815370499322	48	1.51363818309351	0.136958780610755	0.047443535625757	0.296743388910544
DLBC	PARP1	cg25722198	-0.227119170904126	48	-1.58173262301001	0.120562870914052	0.0515831177921777	0.271525847431991
DLBC	PARP1	cg26464410	-0.0974643185078217	48	-0.664197400343922	0.509879771574377	0.00949929338219412	0.692304510862329
DLBC	PARP2	cg01813761	-0.0666172544626684	48	-0.452826108712792	0.652802600849367	0.00443785859214391	0.797188960355325
DLBC	PARP2	cg10910545	-0.140808395250249	48	-0.964619635775078	0.339779357087182	0.0198270041729503	0.539030185191266
DLBC	PARP2	cg15078479	-0.0953798802990445	48	-0.649860570897481	0.519014595093071	0.00909732156586006	0.699751153145672
DLBC	PARP2	cg15365367	-0.157032084673058	48	-1.07842286778499	0.286467794159976	0.0246590756167665	0.483793756054211
DLBC	PARP2	cg18899035	-0.0278834793734815	39	-0.169674556374669	0.866190404037394	0.000777488421971366	0.928876492772455
DLBC	PARP2	cg19540080	0.00692935070668314	48	0.0469982714072507	0.96271805972657	4.80159012162101e-05	0.980407762203268
DLBC	PARP2	cg24595957	0.162657379102435	48	1.11808600428593	0.269335570161576	0.0264574229764732	0.465310921983408
DLBC	PARP2	cg26206608	-0.10310394560679	48	-0.703031728184788	0.485579023398169	0.0106304235996879	0.672161833503809
DLBC	PARP2	cg26430074	0.151090014489283	48	1.03664298794554	0.305321163416542	0.0228281924783718	0.50387480826548
DLBC	PAXIP1	cg02824291	0.065253740305009	48	0.443517667043984	0.65947049582335	0.00425805062379355	0.801782386023219
DLBC	PAXIP1	cg12220104	-0.398945051351478	48	-2.95076471390022	0.00497315386925872	0.159157153997833	0.0246641292939636
DLBC	PAXIP1	cg22583711	-0.464109599743669	48	-3.5536502688141	0.000891461785926623	0.215397720574228	0.00610306332170131
DLBC	PAXIP1	cg24448952	-0.618733665259904	48	-5.34171524790172	2.7696120087888e-06	0.382831348525954	4.21889948329187e-05
DLBC	PAXIP1	cg24452135	-0.256038951336813	48	-1.79642174275338	0.0789960006439932	0.065559446016548	0.201172413058099
DLBC	PCGF1	cg03203239	0.0736167795113002	48	0.500651757603704	0.619003361888293	0.00541943022561539	0.773905911555821
DLBC	PCGF1	cg08092637	-0.00905361253038409	48	-0.061407104477692	0.95130103022647	8.19678998503278e-05	0.974218213172529
DLBC	PCGF1	cg27306986	-0.00699402962045254	48	-0.0474369770361159	0.962370316634793	4.89164503317675e-05	0.980256828372825
DLBC	PCGF2	cg09395368	-0.168962021732571	48	-1.16267243658947	0.250958890886323	0.0285481647879579	0.444585793674097
DLBC	PCGF2	cg17902383	-0.294118631910672	48	-2.08712542536085	0.0424455559670604	0.0865057696370056	0.127860971186892
DLBC	PCGF2	cg20228512	-0.149532658502055	48	-1.02571213309887	0.310391089529742	0.0223600159586921	0.509214729385956
DLBC	PCGF2	cg25377665	-0.157179211899847	48	-1.07945885102724	0.286010845535032	0.0247053046534569	0.483296595776628
DLBC	PCGF5	cg03905463	0.0394481732460036	48	0.267758946964174	0.790081865404994	0.00155615837244671	0.884572399938346
DLBC	PCGF5	cg06001881	-0.29438489987168	48	-2.0891941133128	0.0422501281307316	0.0866624692724591	0.127429311606988
DLBC	PCGF5	cg07421809	-0.194837367463387	48	-1.34727101054907	0.184492333317054	0.0379615997600628	0.362956694688488
DLBC	PCGF5	cg07424295	-0.175060192692839	48	-1.20593841718998	0.234007541816731	0.0306460710656539	0.424958744761444
DLBC	PCGF5	cg08633154	-0.268895580491882	48	-1.89347655983435	0.0645942576818458	0.0723048332080661	0.173738743633147
DLBC	PCGF5	cg11113644	-0.24476456667151	48	-1.71215341285163	0.0936031673006222	0.0599096930978921	0.227195309194112
DLBC	PCGF5	cg12783297	-0.259019108940584	48	-1.81882558994463	0.0754514755181672	0.0670908987963739	0.194721075055079
DLBC	PCGF5	cg15550435	0.0761407347192959	48	0.517915053582979	0.60699965026636	0.00579741148359419	0.765231911467252
DLBC	PCGF5	cg17001035	-0.126804098827196	48	-0.867026066709094	0.390428083639275	0.0160792794793774	0.587791735309229
DLBC	PCGF5	cg20515900	-0.413397502425547	48	-3.07923369656315	0.0034949337303067	0.17089749501168	0.0186235272700513
DLBC	PCGF5	cg22968329	-0.467972278924571	48	-3.59147613980068	0.00079631405371387	0.218998053841856	0.0055469605564664
DLBC	PCGF5	cg23395902	-0.350376210236737	48	-2.53720277179079	0.0146290426069331	0.122763488699858	0.0572604649340252
DLBC	PCGF5	cg25390656	-0.215815494237949	48	-1.49905846657916	0.140690593331049	0.0465763275531704	0.302336510527212
DLBC	PCGF6	cg01917164	-0.649413939463826	48	-5.79213092116295	5.92766172696198e-07	0.421738464769925	1.07516091486892e-05
DLBC	PCGF6	cg06691148	-0.400748556470829	48	-2.96664955063364	0.0047629524060296	0.160599405513453	0.0238611651825559
DLBC	PCGF6	cg11612727	0.0312242267313918	48	0.211876319002872	0.833139526418649	0.000974952334973363	0.910498781825767
DLBC	PCGF6	cg11814370	-0.62445438333971	48	-5.42243713217384	2.10389164711876e-06	0.389943276872177	3.30379787638185e-05
DLBC	PCGF6	cg14409890	-0.669675790119849	48	-6.1158558015472	1.94083511048255e-07	0.448465663872644	3.95042717385869e-06

DLBC	PCGF6	cg16113748	-0.463737294841974	48	-3.55001815102504	0.000901150207724761	0.215052278627352	0.00616245422466069
DLBC	PCGF6	cg16382383	0.0163111022285415	48	0.110641996946923	0.912381575308562	0.00026605205590993	0.953490223932755
DLBC	PCGF6	cg24418712	-0.369477173824614	48	-2.69673780280023	0.00975198675056183	0.136513381977424	0.0417710636093606
DLBC	PCGF6	cg25481680	-0.011703885259139	48	-0.0793850492172659	0.937070711804368	0.000136980930159092	0.966381906874873
DLBC	PCGF6	cg26155979	-0.161730288412329	48	-1.11154163178411	0.272111240002162	0.0261566861899351	0.468491714237207
DLBC	PCGF6	cg27217148	-0.208951441434905	48	-1.44916650271224	0.154074545392593	0.0436607048777244	0.321504717046353
DLBC	PHC1	cg02770112	-0.433228766427048	48	-3.26012719086164	0.00209950325413478	0.187687164059902	0.0123602812284063
DLBC	PHC1	cg08021945	-0.0531747225850568	48	-0.361159475219671	0.719633728646544	0.00282755112199775	0.840906842802456
DLBC	PHC1	cg08867249	-0.212527197862139	48	-1.47512867739331	0.14699017191802	0.0451678098311327	0.311485751796204
DLBC	PHC1	cg09059548	-0.135509928479322	48	-0.92762951631164	0.358441710588722	0.0183629407164709	0.557424724802876
DLBC	PHC1	cg09912793	-0.253331295122796	48	-1.7761140210546	0.082328761724971	0.0641767450885931	0.207190854348874
DLBC	PHC1	cg12581035	-0.0110796655175643	48	-0.0751505604877228	0.940420798672645	0.000122758987981104	0.968306790135694
DLBC	PHC1	cg14199415	-0.133633985943899	48	-0.914552636085015	0.365195755552007	0.0178580421992541	0.564172579927575
DLBC	PHC2	cg06899053	-0.111682446760155	48	-0.762235795210564	0.449810170257619	0.012472968914335	0.640924736781158
DLBC	PHC2	cg13640100	-0.250840856831584	48	-1.75747485507534	0.0854905450778762	0.0629211354560034	0.212888971312045
DLBC	PHC2	cg15586632	0.151352916713624	48	1.03848903718553	0.304470564175354	0.0229077053977213	0.503046425227769
DLBC	PHC2	cg16558908	-0.183439826596155	48	-1.26562591749664	0.212020048283047	0.0336501699816274	0.39818187084787
DLBC	PHC2	cg17161743	-0.251573391390041	48	-1.7629534691257	0.0845508479701217	0.0632891712554868	0.211204722312804
DLBC	PHC2	cg19746874	-0.00063284310588591	48	-0.0042921516311470	0.996593929406198	4.00490396667332e-07	0.998316892964834
DLBC	PHC2	cg21198021	0.0986733763796856	48	0.672517368257085	0.50461874685214	0.00973643520616709	0.687838358435229
DLBC	PHC2	cg21578869	0.00301218013578753	48	0.0204296923313766	0.983788958736091	9.073229170433e-06	0.991486957584084
DLBC	PHC2	cg23886755	-0.0262396386797237	48	-0.178027186234797	0.859483320262026	0.000688518638042455	0.925319273951536
DLBC	PHF1	cg01097444	0.316158107130229	48	2.26022334184552	0.0285851113392872	0.0999559487041692	0.0952192408807276
DLBC	PHF1	cg02776641	-0.00550532260009423	48	-0.037339480394941	0.970375903076165	3.03085769311083e-05	0.98432659573495
DLBC	PHF1	cg03560363	0.20919059053864	48	1.45090096046429	0.153593049825754	0.0437607031699049	0.32086301238338
DLBC	PHF1	cg03876174	0.269021202022961	48	1.89443014345304	0.0644646617095093	0.072372407137879	0.173474139300203
DLBC	PHF1	cg06618123	0.00946209694468508	48	0.0641779368418549	0.949106632744754	8.95312785906187e-05	0.973011746898666
DLBC	PHF1	cg06919790	0.072949485589931	48	0.496089245269095	0.62219362089472	0.00532162744783556	0.776185544321421
DLBC	PHF1	cg07857404	-0.0877192270895107	48	-0.597242972900291	0.553273829642414	0.00769466280118114	0.725273979327693
DLBC	PHF1	cg08665801	0.324215686667761	48	2.32449984823348	0.0245678413114628	0.105115811481447	0.0850759246376112
DLBC	PHF1	cg08798692	0.257583451397309	48	1.80802589013426	0.0771430103242538	0.0663492344337498	0.197830666644461
DLBC	PHF1	cg10033570	0.0725924277183538	48	0.493648196342229	0.623903502898342	0.00526966056204443	0.777221834237663
DLBC	PHF1	cg10797813	0.358484365061357	48	2.60446298771394	0.012350916095107	0.128511039993444	0.0502900727244298
DLBC	PHF1	cg13303256	0.243194648886219	48	1.70047897826657	0.095793288759133	0.0591436372468911	0.230923835819404
DLBC	PHF1	cg13528777	0.379343914720145	48	2.78067509395117	0.00783513191679394	0.143901805635205	0.0353615044575662
DLBC	PHF1	cg13547657	0.0901405092787205	48	0.613861674040679	0.542330764869485	0.0081253114130271	0.7169917860349
DLBC	PHF1	cg18443095	0.284120179096719	48	2.00982433272035	0.0503362130844148	0.0807242761699517	0.144977984475711
DLBC	PHF1	cg20135607	-0.157996414285793	48	-1.08521445234361	0.283481445942311	0.0249628669271681	0.480743696850787
DLBC	PHF1	cg20872639	0.25224978190447	48	1.76801505464563	0.0836903655298851	0.0636299524708527	0.209573433851538
DLBC	PHF1	cg23345642	0.00445016393475077	48	0.0301827791552237	0.976051858920332	1.98039590461565e-05	0.987386097877119
DLBC	PHF1	cg23718418	0.109753763393753	48	0.748910552885552	0.457723713891598	0.0120458885790919	0.647896970017123
DLBC	PHF1	cg24796663	0.0173254419653695	48	0.11752450455694	0.906956090031945	0.000300170939295386	0.950841639389257
DLBC	PHF1	cg26673053	0.317518783723006	48	2.27103892972638	0.0278706973283989	0.100818178016937	0.0934637911874067
DLBC	PHF10	cg04353997	-0.324759439580985	48	-2.32885756189721	0.0243147083811363	0.105468693596955	0.08442106684826
DLBC	PHF10	cg05243705	-0.29664328434048	48	-2.10676143545957	0.0406220017534563	0.0879972381443067	0.12372943318989
DLBC	PHF10	cg05736120	-0.0618891870215037	48	-0.420559089240034	0.676035354123119	0.00383027147018266	0.812763601135177
DLBC	PHF10	cg07652237	-0.360427731822659	48	-2.62068343916684	0.0118524426411348	0.129908149866826	0.0487018593766444
DLBC	PHF10	cg11442717	-0.259059456448982	48	-1.81912928934869	0.0754043632718341	0.0671118019756421	0.194657608640088
DLBC	PHF10	cg15342139	-0.158967853267967	48	-1.0920593266911	0.280493770297766	0.0252707783726259	0.477683484158537
DLBC	PHF10	cg15360169	-0.0648348592830254	48	-0.440658552524941	0.661524214582308	0.0042035589782497	0.803050694173131
DLBC	PHF10	cg16740543	0.0303991019007363	48	0.206272070877324	0.837488663208285	0.000924105396371351	0.912988739503871
DLBC	PHF10	cg27124293	-0.339735714317315	48	-2.44991856741454	0.018154204318767	0.115420355582696	0.0675770429400807
DLBC	PHF11	cg00092518	-0.169971386568622	48	-1.16982414481594	0.248097381023925	0.02889027225206	0.441451059218206
DLBC	PHF11	cg01214340	-0.197061671661108	48	-1.36326950760359	0.17943325456419	0.0388333024378702	0.3563027171110749
DLBC	PHF11	cg02289189	0.0374946938203015	48	0.254480329886835	0.80025871280714	0.00140585206467816	0.890909304059132
DLBC	PHF11	cg05080330	-0.0966679695627176	48	-0.658719057140947	0.513360053880278	0.0093446963393785	0.695024808495245
DLBC	PHF11	cg09997676	-0.199100532986924	48	-1.37795342347941	0.174884257358051	0.0396410222356771	0.350339366349919

DLBC	PHF11	cg16956501	0.0739742286307991	48	0.503096034797009	0.617297282355164	0.00547218650152174	0.772641118068084
DLBC	PHF11	cg21320768	0.233752934348722	48	1.63056259610319	0.10981179963194	0.0546404343166378	0.254635574208262
DLBC	PHF11	cg23137039	-0.148156724212341	48	-1.01606115065087	0.314914848249077	0.0219504149293316	0.51401535227311
DLBC	PHF11	cg24481868	-0.129753252635656	48	-0.887532294815027	0.379409562777405	0.0168359065695325	0.577917010524867
DLBC	PHF11	cg24984523	-0.11858428019437	48	-0.809993037567592	0.422114718504297	0.014062231509217	0.617218186950944
DLBC	PHF11	cg25162948	-0.165236576064058	48	-1.13630872921087	0.261712697829645	0.0273031260693732	0.457068911973765
DLBC	PHF12	cg01406758	-0.368742110372834	48	-2.69052745922001	0.0099097163196281	0.135970743962212	0.0423138740528651
DLBC	PHF12	cg02058367	-0.00334380197454574	48	-0.022678895176445	0.982004504537785	1.1181011644976e-05	0.990643844758107
DLBC	PHF12	cg06895197	-0.273454949058782	48	-1.92815363920938	0.0600219750195571	0.0747776091647408	0.164719713508746
DLBC	PHF12	cg08657247	0.0591082290685308	48	0.401593668605894	0.689842808673124	0.00349378274361791	0.821731356922843
DLBC	PHF12	cg08806622	-0.397058275725983	48	-2.9341900340043	0.00520169687014127	0.15765527432249	0.0255855340361513
DLBC	PHF12	cg13564075	-0.279716261387176	48	-1.97600473735216	0.0541697100441723	0.0782411868844191	0.153016645721726
DLBC	PHF14	cg06715026	-0.145188474010204	48	-0.995261919792303	0.324815678103789	0.0210796929854117	0.524203610953576
DLBC	PHF14	cg07287563	-0.309262347335973	48	-2.20564726327855	0.032444180245157	0.0956431994797561	0.104650574591249
DLBC	PHF14	cg07574654	0.097921975800731	48	0.66734635569037	0.507885089221171	0.00958871334471894	0.69053625025555
DLBC	PHF14	cg11931558	-0.449280142104887	48	-3.41078700947001	0.00135852984472439	0.201852646089787	0.00866152330256407
DLBC	PHF14	cg13029706	-0.168456712790424	48	-1.15909355937744	0.25239975477266	0.0283776640841555	0.446294811409772
DLBC	PHF14	cg16800461	0.0044246584963011	48	0.0300097877458431	0.976189074531621	1.95776028088895e-05	0.987422964433455
DLBC	PHF14	cg20819769	0.0138070953560731	48	0.0936532040694362	0.925791380267003	0.000190635882171695	0.960907988372287
DLBC	PHF14	cg20964328	-0.339673500190202	48	-2.44941140512751	0.0181767617108444	0.115378086731463	0.0676349069944721
DLBC	PHF14	cg22876561	-0.361994645691713	48	-2.63379034238184	0.0114631844592352	0.131040123509469	0.0474445079709378
DLBC	PHF14	cg23083824	-0.148262646733789	48	-1.01680388989574	0.314565118115933	0.0219818124165084	0.513606142662035
DLBC	PHF14	cg24491907	-0.0859330342078082	48	-0.584990122517881	0.561413063319751	0.00738448636816033	0.731861516319738
DLBC	PHF19	cg11054680	0.191170103461789	43	1.24708602756333	0.219443051592074	0.036546008457591	0.407414060000771
DLBC	PHF19	cg11594303	-0.192602246575558	48	-1.331216477332	0.189678030156368	0.0370956253859521	0.369653105816536
DLBC	PHF19	cg13501527	-0.0739973398094495	48	-0.503254078330334	0.617187042897216	0.00547560629887514	0.772616001788524
DLBC	PHF19	cg13793166	0.0620073397479385	35	0.356891816995136	0.723444912040077	0.00384491018261627	0.84326516211296
DLBC	PHF19	cg13851767	-0.0787108593912614	48	-0.535504430829284	0.594880839939905	0.00619539938611092	0.756384267940932
DLBC	PHF19	cg13852822	-0.0405334371523758	48	-0.2751372587196	0.78444287987081	0.0016429595273856	0.881021976229305
DLBC	PHF19	cg14218513	-0.103133456572294	48	-0.703235116739739	0.485453477932634	0.0106365098645492	0.672065343766863
DLBC	PHF19	cg27207079	-0.0555249555767001	48	-0.377170431961113	0.707781469603411	0.00308302069179452	0.833476910271075
DLBC	PHF20	cg01512265	0.0579347062601363	48	0.393593384882861	0.695699758221462	0.00335643018944828	0.825573051911044
DLBC	PHF20	cg02674305	0.31516508090843	48	2.25233987840045	0.0291160632753118	0.0993290282240172	0.0965784772284827
DLBC	PHF20	cg02957488	0.00445806813297439	48	0.0302363896312002	0.97600933560319	1.98743714782417e-05	0.987381599702393
DLBC	PHF20	cg04179482	-0.286786747106858	48	-2.03036913051446	0.0481239354189192	0.0822466383161328	0.140302874186225
DLBC	PHF20	cg09692677	-0.0793593126535064	47	-0.534042783505362	0.595940470628511	0.00629790050483698	0.757204340836808
DLBC	PHF20	cg10372813	-0.360312168257983	48	-2.61971778634545	0.0118815947122445	0.129824858594769	0.0487784079952854
DLBC	PHF20	cg21765224	-0.226591955107613	48	-1.57786195215429	0.121450307154888	0.0513439141194907	0.272916756544306
DLBC	PHF20	cg23538717	-0.231520743824116	48	-1.61410537855138	0.113344363094262	0.0536018548208721	0.260475959472211
DLBC	PHF20	cg23734815	-0.333323861733574	48	-2.39783910873281	0.0206072466036263	0.111104796800983	0.0745249151204299
DLBC	PHF20	cg25561939	-0.21363775001108	48	-1.48320453476349	0.144839724306144	0.0456410882297969	0.308415763745337
DLBC	PHF20	cg27405321	0.387220520201137	47	2.81734324757848	0.00716755513206223	0.149939731264839	0.0330190551278291
DLBC	PHF20L1	cg02898212	0.109414522468773	48	0.746567632827358	0.45912341677854	0.0119715377270697	0.649046830544607
DLBC	PHF20L1	cg05307234	0.142887419623664	48	0.979156809198417	0.332624292797839	0.0204168146867092	0.53233301462877
DLBC	PHF20L1	cg10591701	0.0323667546614118	48	0.219637087397208	0.827125564418193	0.00104760680731202	0.907167716880712
DLBC	PHF20L1	cg17646969	-0.421911860239195	48	-3.15622010318417	0.00281856423834574	0.178009617810498	0.0156664322919311
DLBC	PHF20L1	cg24511731	-0.514505157057563	48	-4.06949912330152	0.000183206645444323	0.264715556638828	0.00161098426310565
DLBC	PHF20L1	cg26292018	-0.09245121034915	48	-0.629731620605086	0.531985772508897	0.00854722629502279	0.709551506816122
DLBC	PHF20L1	cg27342122	-0.396179720288251	48	-2.92648731921932	0.00531120937856695	0.156958370767677	0.0260254612242528
DLBC	PHF21B	cg01775414	-0.517948133715462	48	-4.10667030448198	0.000162929355543007	0.268270269219331	0.00146074983117583
DLBC	PHF21B	cg01995480	-0.485369557335661	48	-3.76518615914718	0.000471033626450939	0.235583607188215	0.00356698042792994
DLBC	PHF21B	cg05064352	-0.416240426566103	48	-3.10482890050485	0.00325472501795387	0.173256092707931	0.017584421004702
DLBC	PHF21B	cg10080155	-0.480476303558829	48	-3.71575848902095	0.000547535872137376	0.230857478281556	0.00405010988276648
DLBC	PHF21B	cg11428482	-0.428704207797335	48	-3.21836270914876	0.00236471183824233	0.18378729778314	0.0136121660073471
DLBC	PHF21B	cg14786713	-0.443254222528557	48	-3.35375947748512	0.00160365989030675	0.196474305789395	0.00993754517332155
DLBC	PHF21B	cg15679813	-0.445055682884233	48	-3.3707478905703	0.00152655190844632	0.198074560867551	0.00953841657323602
DLBC	PHF21B	cg20495645	-0.463069447807657	48	-3.54350879532239	0.000918766090520274	0.214433313492889	0.00625433052554552

DLBC	PHF21B	cg20525183	-0.458542109853882	48	-3.49958310590066	0.00104654088135245	0.21026086650925	0.00697221900521813
DLBC	PHF21B	cg21715212	-0.420829094978037	48	-3.14637429043134	0.00289760946908187	0.177097127180033	0.0160040206629574
DLBC	PHF21B	cg23080354	-0.485175630788939	48	-3.76321854019619	0.000473871759271188	0.235395392711445	0.00358254418277384
DLBC	PHF21B	cg25561581	-0.480331194440325	48	-3.71429966016295	0.000549966228151463	0.230718056352469	0.0040649950358969
DLBC	PHF21B	cg25976257	-0.435132511980488	48	-3.27779024715738	0.00199603779025649	0.18934030298245	0.0118778982525215
DLBC	PHF23	cg00039960	0.197179742805214	48	1.36411935390388	0.179167523057278	0.0388798509727304	0.355908145294608
DLBC	PHF23	cg01441172	-0.117242762759262	48	-0.800701313968339	0.427420884382102	0.0137458654194245	0.62176290272288
DLBC	PHF23	cg04379155	-0.129810635505326	48	-0.887931528428466	0.379197022636393	0.0168508010902965	0.577725723722128
DLBC	PHF23	cg11180288	-0.00224226664238456	48	-0.0152078305095132	0.987932144236576	5.02775969555055e-06	0.993628706996176
DLBC	PHF23	cg13351208	-0.0479471142445153	48	-0.325567593737656	0.746227874042982	0.0022989257643766	0.857527678232414
DLBC	PHF23	cg22033559	-0.378476730591492	48	-2.77325422395848	0.00798939491197149	0.143244635599225	0.0358932194376248
DLBC	PHF23	cg26213471	-0.023075868970004	48	-0.156549844613947	0.876284702966968	0.000532495728720792	0.93454831353658
DLBC	PHF23	cg26784276	0.105742157122236	48	0.721221672795719	0.474422995428336	0.0111814037928636	0.662322563103007
DLBC	PHIP	cg01492710	0.00728500177711032	48	0.0494105971385114	0.960806005261158	5.30712508925005e-05	0.979446254581257
DLBC	PHIP	cg04480383	-0.476589737836236	48	-3.67682163909896	0.000616080962199911	0.227137778210812	0.00447543210135212
DLBC	PHIP	cg05801338	-0.109578100925526	48	-0.747697331571314	0.45844820526029	0.0120073602024447	0.648445812363982
DLBC	PHIP	cg06848288	0.0807029162959328	48	0.549145010124019	0.58556197025576	0.00651296069866833	0.750032395271499
DLBC	PHIP	cg08287994	-0.157116721464904	48	-1.07901882120563	0.286204870491042	0.0246856641638803	0.483475673043085
DLBC	PHIP	cg08587415	-0.164882361949689	48	-1.13380470035213	0.262750954613561	0.0271861932821083	0.45815949256803
DLBC	PHIP	cg15564972	-0.427253548542212	48	-3.20503535764903	0.00245580509437879	0.182545594741912	0.0140251077327815
DLBC	PHIP	cg19494004	-0.320278288900801	48	-2.29302137749882	0.0264674771569159	0.102578182341225	0.0899131405216208
DLBC	PHIP	cg19950079	-0.117000374178843	48	-0.799022938750635	0.428383605667229	0.0136890875579893	0.622579527844309
DLBC	PHIP	cg21607066	-0.106091751253326	48	-0.723633201816607	0.472954977997558	0.0112554596839976	0.661024290884127
DLBC	PHIP	cg21875336	-0.256875078435282	48	-1.80270190256838	0.0779885724872475	0.065984805921132	0.199267912783244
DLBC	PHIP	cg26363168	-0.191753314285222	48	-1.32512438060095	0.191674589736524	0.0367693335393672	0.372145678196145
DLBC	PHRF1	cg06063517	-0.199359336697355	48	-1.37981866031362	0.174312836885321	0.0397441451284093	0.349632405121997
DLBC	PHRF1	cg07530960	-0.487094925576635	48	-3.78272419555057	0.000446449460472451	0.237261466522507	0.00340667869818478
DLBC	PHRF1	cg08482978	-0.32512179003745	48	-2.33176292322957	0.0241472400153548	0.105704178357156	0.0839707831457917
DLBC	PHRF1	cg12469954	-0.528342588685629	48	-4.22056746144795	0.000113462281373754	0.279145891019032	0.00107373513826226
DLBC	PHRF1	cg12813709	-0.402758258374425	48	-2.98439893489055	0.00453791305522167	0.1622142146888	0.0229384280843349
DLBC	PHRF1	cg15219216	-0.0542067374938132	48	-0.368189317239634	0.71442104134466	0.00293837038972317	0.837530259503104
DLBC	PHRF1	cg16143007	-0.473571096118561	48	-3.64677268594177	0.000674541414047775	0.224269583078936	0.0048293092917755
DLBC	PHRF1	cg18793109	-0.496584918195126	48	-3.88024053222389	0.000330758980665321	0.24659658097886	0.00265022805045607
DLBC	PHRF1	cg20152424	-0.142171870502317	48	-0.974151988624484	0.335076195790588	0.0202128407621275	0.534662131831912
DLBC	PHRF1	cg21006161	-0.418814473087147	48	-3.1280983299251	0.00304990225131698	0.175405562867265	0.0166782015843493
DLBC	PPARGC	cg04893087	0.050680677165689	48	0.344175373065905	0.732282854312466	0.00256853103797279	0.848736775452681
DLBC	PPARGC	cg05158538	0.162656261275798	48	1.11807811167265	0.26933890553144	0.0264570593322206	0.465310921983408
DLBC	PPARGC	cg11270806	-0.20496733046561	48	-1.42031095546764	0.16225994324064	0.0420116065581985	0.332881066045948
DLBC	PPARGC	cg12691631	-0.169075815852263	48	-1.16347851951709	0.250635179808196	0.0285866315061083	0.444303961582474
DLBC	PPARGC	cg20723350	0.370764059167247	48	2.70762446291984	0.00948105264966332	0.137465987570174	0.0408557585901461
DLBC	PPARGC	cg27461259	-0.153349715619442	48	-1.0525175716191	0.298059787279802	0.0235161352805636	0.496270223164902
DLBC	PPARGC	cg27514608	-0.180673666908407	48	-1.24589194965932	0.219112426709251	0.0326429739141299	0.407020991986903
DLBC	PRDM1	cg00555933	0.0877265347169121	48	0.597293113294188	0.553240645829218	0.00769594489343759	0.725273979327693
DLBC	PRDM1	cg01761420	0.0910339499904931	48	0.619996645052174	0.538319362484755	0.0082871800508716	0.714020502380847
DLBC	PRDM1	cg05170275	-0.0494466730180975	48	-0.335774383917363	0.738567738298686	0.00244497347255865	0.852793935838869
DLBC	PRDM1	cg08742502	0.0633827696530829	48	0.430748969957125	0.668662627167894	0.00401737548889577	0.807869984281464
DLBC	PRDM1	cg14359052	0.0473469186863833	48	0.321482967508098	0.749300684575886	0.00224173070909499	0.859547856787432
DLBC	PRDM1	cg17143179	0.0726251300406941	48	0.493871759903662	0.623746816005241	0.00527440951342773	0.777142067228808
DLBC	PRDM1	cg17521665	0.0570308518316918	48	0.387432635323081	0.700222834850259	0.00325251806064838	0.828282188371254
DLBC	PRDM1	cg17965230	-0.33850093576044	48	-2.43985958255235	0.0186063648457836	0.114582883510694	0.0688612534164078
DLBC	PRDM1	cg19464016	-0.0217915489955957	48	-0.14783258104736	0.883121002963578	0.000474871607627448	0.937917450129675
DLBC	PRDM1	cg22186515	-0.119187992046097	48	-0.814175978655923	0.419739066339665	0.0142057774479804	0.615099667084126
DLBC	PRDM1	cg22196848	-0.0703491230868437	48	-0.478316027633006	0.634690831870332	0.00494899911908789	0.784791150863829
DLBC	PRDM1	cg24040346	-0.0150073391903951	48	-0.101796190484156	0.91936089415734	0.000225220229575568	0.957510897184421
DLBC	PRDM1	cg24793124	-0.057730581328709	48	-0.392201967440096	0.69672033405657	0.00333282002055069	0.826179221809596
DLBC	PRDM1	cg24874254	0.052851582513694	48	0.358958560962234	0.721268511050326	0.0027932897742018	0.842055324026617
DLBC	PRDM1	cg26351406	0.0680928637730635	48	0.462902674544247	0.645616647683811	0.00463663809681698	0.792223162422716

DLBC	PRDM10	cg04181189	-0.265022449047274	48	-1.86412669332003	0.0686929734343779	0.0702368984990148	0.181809224366022
DLBC	PRDM10	cg17627813	-0.220907609858551	48	-1.53622104779507	0.13133465796611	0.0488001720934176	0.288128831974493
DLBC	PRDM12	cg09191327	0.105181802919133	48	0.717356867262077	0.476781077324139	0.0110632116653193	0.664493660277224
DLBC	PRDM12	cg12539975	0.140870065945006	48	0.965050667691282	0.339565751216468	0.0198443754793503	0.538808779858729
DLBC	PRDM12	cg13795948	0.128365694506357	48	0.87788129651043	0.384570476676912	0.0164777515260993	0.582705692466278
DLBC	PRDM12	cg13928649	0.0692948553657896	48	0.471113026145785	0.639786674703985	0.0048017769801657	0.788360517826205
DLBC	PRDM12	cg23342516	0.0241941676640775	48	0.164140876364071	0.870339359431484	0.000585357748957495	0.931207692687465
DLBC	PRDM13	cg00126261	-0.152063832960859	48	-1.04348208621278	0.302178077621805	0.0231234092947482	0.500577955548448
DLBC	PRDM13	cg00579292	-0.0377937162949288	48	-0.256512717558397	0.798698752638812	0.00142836499138157	0.890032446020417
DLBC	PRDM13	cg01422797	-0.189061279854507	48	-1.30582618238803	0.19810458407366	0.0357441675402241	0.38063989363333
DLBC	PRDM13	cg01815538	-0.06431741557037	48	-0.437127011241694	0.664064576436085	0.00413672994565167	0.804883827340489
DLBC	PRDM13	cg02400433	-0.172984534639338	48	-1.19119602312525	0.239686887012828	0.0299236492243882	0.431598406552249
DLBC	PRDM13	cg03120185	-0.187442254609952	48	-1.29423472668307	0.202044343630823	0.0351345988132622	0.385489611722187
DLBC	PRDM13	cg04910970	-0.206079774370223	48	-1.42836051343572	0.159943157612219	0.0424688734044819	0.329666905208514
DLBC	PRDM13	cg11809464	-0.0644208723435935	48	-0.437833072898682	0.663556361238436	0.00415004879350957	0.80446434229939
DLBC	PRDM13	cg13738144	-0.125845154437074	48	-0.860363341802292	0.394050954751526	0.0158370028952911	0.590793457525413
DLBC	PRDM13	cg14344102	-0.150075614562359	48	-1.02952217136476	0.308617445998981	0.0225226900862697	0.507205779952356
DLBC	PRDM13	cg17879189	-0.134722557244483	48	-0.922139654924665	0.361267215350808	0.018150167430493	0.560127987065286
DLBC	PRDM13	cg17978124	-0.245009021295166	48	-1.71397254516421	0.0932656627996347	0.0600294205160152	0.226567948399321
DLBC	PRDM13	cg25273233	-0.0871896490643154	48	-0.593609596035157	0.55568114214723	0.00760203490395847	0.727103652843456
DLBC	PRDM13	cg25924096	0.0103319456316069	48	0.0700784051444524	0.944435028306497	0.000106749100534482	0.970290653743025
DLBC	PRDM13	cg26507427	-0.0364990132148923	48	-0.247713405841078	0.805458569260682	0.00133217796566088	0.894330790509238
DLBC	PRDM14	cg00384539	-0.372208494456877	48	-2.71986549105618	0.00918470255436772	0.138539163345855	0.0399393376475395
DLBC	PRDM14	cg01295203	-0.365438002470639	48	-2.66268383327185	0.0106461399327809	0.133544933649731	0.044763042370055
DLBC	PRDM14	cg04838988	-0.290508194735963	48	-2.05912745051603	0.0451691714700649	0.0843950112087484	0.133964564443089
DLBC	PRDM14	cg09050331	-0.227884705072277	48	-1.5873555722156	0.119283033054458	0.0519314388058788	0.2696434141041
DLBC	PRDM14	cg10457247	-0.25511015598549	48	-1.78945060855209	0.0801270513127858	0.0650811916869409	0.203307546823401
DLBC	PRDM14	cg11229513	-0.313847706863659	48	-2.24189414316793	0.0298330777985142	0.0985003831035774	0.0982530144472127
DLBC	PRDM14	cg13267264	-0.382587434674007	48	-2.80850747120502	0.00728078320859029	0.146373145170437	0.0334120604606579
DLBC	PRDM14	cg18035229	-0.308085445780477	48	-2.19637154421553	0.0331440542684221	0.094916641901755	0.106348053526815
DLBC	PRDM14	cg21255438	-0.3454226763072	48	-2.49643297756735	0.0161899090567424	0.119316825307229	0.0618877590860507
DLBC	PRDM14	cg27029821	-0.415518888178399	48	-3.09832243071988	0.00331427107699255	0.172655946433013	0.017830595032058
DLBC	PRDM4	cg00090609	-0.082842244827683	48	-0.563801410419866	0.575627820517645	0.00686283752808977	0.742417405861526
DLBC	PRDM4	cg03909902	0.0470812821587347	48	0.319675291847683	0.750661891867714	0.00221664712971039	0.860246762358684
DLBC	PRDM4	cg12900929	-0.284955651472936	48	-2.01625581005215	0.0496343850290827	0.0811997233063656	0.143506332260785
DLBC	PRDM4	cg18440127	-0.264950173588543	48	-1.86357993186175	0.0687713772693201	0.0701985944845989	0.181957893019441
DLBC	PRDM4	cg25995916	-0.193627691673802	48	-1.33857940392002	0.1872861534212	0.037491682982925	0.366571202617844
DLBC	PRDM4	cg27140793	-0.255761154027263	48	-1.79433615999167	0.0793329671881294	0.0654137679093571	0.201786132072367
DLBC	PRDM5	cg05713693	-0.346609309650552	48	-2.506177702557	0.0158036638772156	0.120138013536432	0.0607472482359481
DLBC	PRDM5	cg06329345	-0.367333127997239	48	-2.67863967813368	0.0102182044764132	0.134933626924236	0.04332340475152
DLBC	PRDM5	cg07070341	-0.246631660611826	48	-1.72605640733653	0.0910492544914651	0.0608271760161469	0.222667197597719
DLBC	PRDM5	cg10416963	-0.316616470156234	48	-2.26386498845631	0.0283427669677901	0.100245989174194	0.0946543697178299
DLBC	PRDM5	cg11171429	-0.329609547569485	48	-2.36784203555572	0.0221520132430821	0.10864245384896	0.07864008105528
DLBC	PRDM5	cg13155001	-0.283576146689846	48	-2.00563904277613	0.0507975278542215	0.0804154309714609	0.145998554767477
DLBC	PRDM5	cg18181323	-0.217406513644208	48	-1.51065586992526	0.137715646840764	0.0472655921749293	0.297810947638027
DLBC	PRDM5	cg19294653	-0.283673422370791	48	-2.00638723850932	0.0507147920711366	0.080470610559557	0.145827696770825
DLBC	PRDM5	cg22135105	-0.275227701450928	48	-1.94167436540456	0.0583158416685868	0.0757502876459609	0.161267732635386
DLBC	PRDM8	cg01304890	-0.478588552236303	48	-3.69681120003201	0.000579921012860315	0.229047002331641	0.00425085430420474
DLBC	PRDM8	cg02895669	-0.256600486887875	48	-1.80063896543482	0.0783182992405557	0.0658438098710944	0.199825968223017
DLBC	PRDM8	cg04343891	-0.537726285616325	48	-4.32564688242849	8.10078147556182e-05	0.28914955824273	0.000802756343504631
DLBC	PRDM8	cg05007549	-0.113255211226492	48	-0.773108448772923	0.443412911994305	0.0128267428699574	0.635618840921491
DLBC	PRDM8	cg07462804	-0.253017524731475	48	-1.77376360459395	0.0827219916612421	0.0640178678212424	0.207850993808167
DLBC	PRDM8	cg08074201	-0.438434910340886	48	-3.30855901226623	0.00182724686608207	0.192225170605621	0.0110429662948611
DLBC	PRDM8	cg10695325	-0.358902479899579	48	-2.60794952058577	0.0122421801942355	0.128810990078068	0.0499537459234386
DLBC	PRDM8	cg11571772	-0.243101547277658	48	-1.6997870908433	0.0959244058021512	0.0590983622887915	0.231163128801295
DLBC	PRDM8	cg12572049	-0.251770939123652	48	-1.76443147863904	0.0842988216795761	0.0633886057872059	0.210743836758285
DLBC	PRDM8	cg14489346	-0.260772503889089	48	-1.83203300017743	0.0734254314915045	0.0680022987845852	0.190949321971321

DLBC	PRDM8	cg15656813	-0.412174202987725	48	-3.06825368950611	0.00360300375254893	0.169887573608566	0.0190584125875971
DLBC	PRDM8	cg16117799	-0.329096756830529	48	-2.36371044069299	0.0223727393316226	0.108304675356373	0.0792020424830146
DLBC	PRDM8	cg18624348	-0.320492296583001	48	-2.29472888693828	0.0263611646846734	0.102715312169046	0.0896321044111638
DLBC	PRDM8	cg19595012	-0.539303733009617	48	-4.34353008937541	7.64719110378818e-05	0.290848516438108	0.000764660134611951
DLBC	PRDM8	cg20142271	-0.550246225155688	48	-4.46938984484489	5.08655141457995e-05	0.302770908298084	0.000538078842461018
DLBC	PRDM8	cg26162932	-0.455099403532291	48	-3.46641223694936	0.00115410397781622	0.207115467095447	0.00756625742540231
DLBC	PRKAA1	cg00301775	0.188238739774365	48	1.29993581097477	0.200099319868197	0.0354338231518412	0.383036427029977
DLBC	PRKAA1	cg01883943	-0.225067884452501	48	-1.56668085849838	0.124043480937863	0.0506555526119243	0.27701560373418
DLBC	PRKAA1	cg03125217	-0.333892810302411	48	-2.40244501580455	0.0203788414120224	0.111484408771642	0.0738545346646876
DLBC	PRKAA1	cg05874655	-0.228258669694353	48	-1.59010351958852	0.118661585187571	0.052102020290636	0.268695902896352
DLBC	PRKAA1	cg06971720	-0.462290520851787	48	-3.53592647299467	0.000939701113196513	0.213712525669416	0.00637397405179262
DLBC	PRKAA1	cg10786880	-0.376893396576458	48	-2.75972691259623	0.00827784401547977	0.142048632382939	0.0368855387935682
DLBC	PRKAA1	cg24728477	-0.547964351955262	48	-4.4428781443606	5.54446735373865e-05	0.30026493101375	0.00058075440058805
DLBC	PRKCD	cg02121118	0.0802732368445766	48	0.546202232160242	0.587566464943323	0.00644379255350549	0.751350024546853
DLBC	PRKCD	cg02559423	-0.246739040147068	48	-1.72685661099499	0.0909040392070501	0.0608801539326963	0.222397283667943
DLBC	PRKCD	cg02630105	0.219845369886457	48	1.52845797788701	0.133246778648421	0.0483319866605133	0.291100561604517
DLBC	PRKCD	cg10531918	0.172172304274863	48	1.18543161039921	0.241934650144431	0.0296433023593161	0.43424540107369
DLBC	PRKCD	cg13469346	0.048584530607682	48	0.329905912994736	0.742968773173037	0.00236045661436879	0.855513806101587
DLBC	PRKCD	cg13889007	-0.0918333387802973	48	-0.625487070819188	0.534742482869433	0.00843336211153685	0.711398808269113
DLBC	PRKCD	cg13908523	-0.0533936976684997	48	-0.362650984045441	0.718526626206367	0.00285088695071515	0.840178270841697
DLBC	PRKCD	cg14727059	0.189670982743516	48	1.31019422358169	0.196635102453492	0.0359750816948912	0.378780021301645
DLBC	PRKCD	cg21903826	0.111556306067548	48	0.761364026355656	0.450325432313084	0.0124448094234365	0.641186135052775
DLBC	PRMT1	cg07702240	0.0173024638233734	48	0.117368589111915	0.907078949653078	0.000299375254359146	0.950848231567401
DLBC	PRMT1	cg08377944	0.284488325578548	48	2.01265771416766	0.0500259717216343	0.0809336073904858	0.144340940735584
DLBC	PRMT1	cg11787855	0.105448236273903	48	0.719194391963636	0.475659099614356	0.0111193305332768	0.663445285357816
DLBC	PRMT1	cg14258555	-0.163201013086852	48	-1.12192495317565	0.267716723161327	0.0266345706725749	0.463426082147095
DLBC	PRMT1	cg14576628	-0.140290973886259	48	-0.961003699130134	0.341574805119102	0.0196815573539549	0.540751515386161
DLBC	PRMT1	cg18880319	-0.008052627975892	48	-0.0546173510186284	0.956679843354139	6.48448173181185e-05	0.977141098061995
DLBC	PRMT1	cg22292364	0.0837647079769451	48	0.570123554776473	0.57136817678281	0.00701652630246289	0.739252181958886
DLBC	PRMT1	cg24228123	0.108368411346653	48	0.739344471195123	0.463454219646716	0.0117437125777973	0.65271389762653
DLBC	PRMT1	cg25595446	0.0581676082420728	48	0.395181021577709	0.694535954746123	0.00338347064860325	0.824883742059041
DLBC	PRMT1	cg26846726	-0.073254671727393	48	-0.498175821746941	0.620733703149821	0.00536624692988812	0.775234511203037
DLBC	PRMT2	cg04493422	0.0374669594383523	48	0.254291829065221	0.800403438511632	0.00140377304955514	0.890948161280533
DLBC	PRMT2	cg06725035	-0.0933885812745592	48	-0.636172415729468	0.527816912503138	0.00872142711247495	0.706317415058441
DLBC	PRMT2	cg09031657	0.0654507013893957	48	0.444862126016257	0.658505677518408	0.00428379431236385	0.80125865957883
DLBC	PRMT2	cg10187059	0.352487866520257	48	2.55465609225376	0.0140037324869827	0.124247696044002	0.0553616406693938
DLBC	PRMT2	cg10657630	0.0526385349313705	48	0.357507551007595	0.722347004343069	0.00277081535972112	0.842707479505491
DLBC	PRMT2	cg12162201	0.231404101703416	48	1.61324615748363	0.11353130740581	0.053547858285165	0.260694721414436
DLBC	PRMT2	cg13271076	0.163594901529585	48	1.12470710827587	0.266547840514744	0.0267632918064747	0.462223818127193
DLBC	PRMT2	cg17243659	-0.187825543412708	48	-1.2969779015365	0.201106692295176	0.035278434758279	0.384319888484105
DLBC	PRMT2	cg23283320	-0.112715342071629	48	-0.769375628534412	0.445603157145978	0.0127047483383243	0.637557051552531
DLBC	PRMT3	cg01769160	-0.208260818580714	48	-1.44415920189043	0.155471250161962	0.0433725685559093	0.323466353804382
DLBC	PRMT3	cg04101203	0.201118239368606	48	1.39250332359975	0.170464983636935	0.0404485462067279	0.344266690993035
DLBC	PRMT3	cg06578097	0.167592896575675	48	1.15297771185246	0.254875774629917	0.0280873789826251	0.449131447472303
DLBC	PRMT3	cg13432154	-0.00296579620680976	48	-0.0201150970031445	0.984038556699712	8.79594714032715e-06	0.991642628249288
DLBC	PRMT3	cg13982511	-0.2705777717359291	48	-1.90625420238581	0.0628760513712447	0.0732123011313642	0.170337751787933
DLBC	PRMT3	cg19653624	0.286205917989599	48	2.02588972705593	0.0485989564330625	0.0819138274922693	0.14126619649343
DLBC	PRMT3	cg23019633	-0.32012114300217	48	-2.29176780197486	0.0265457702567287	0.102477546197016	0.0901122158813086
DLBC	PRMT3	cg23071995	-0.404007628891236	48	-2.99545912469667	0.00440275508907218	0.163222164202319	0.0224198422071926
DLBC	PRMT6	cg00944433	-0.204972751609147	48	-1.42035016848005	0.16224859406979	0.0420138289022251	0.332878045140773
DLBC	PRMT6	cg02990361	-0.412255545410892	48	-3.06898317550799	0.00359572759268646	0.169954634722032	0.0190315711216118
DLBC	PRMT6	cg02993280	-0.221909695623351	48	-1.5435497661649	0.129549744462612	0.0492439130116482	0.285420357426351
DLBC	PRMT6	cg09367891	0.0498882124327858	48	0.338780165380284	0.736316976300292	0.00248883373973876	0.851300882010229
DLBC	PRMT6	cg14671364	-0.0262039510381977	48	-0.177784891019636	0.859672513217603	0.00068664705001226	0.92542050304081
DLBC	PRMT6	cg14828511	0.211186738297619	48	1.46538891969272	0.149617140898585	0.0445998384327869	0.315083742849318
DLBC	PRMT6	cg22528358	-0.466279703530439	48	-3.57486920455768	0.000836823942208833	0.217416761924434	0.00578357158494971
DLBC	PRMT7	cg00894222	-0.0167113059492224	48	-0.113357421037607	0.910240486077476	0.000279267746528515	0.952416957510003

DLBC	PRMT7	cg02477175	-0.0561156950619815	48	-0.38119582171959	0.704812968164832	0.0031489712322893	0.831554666506133
DLBC	PRMT7	cg06089844	0.0745457435020212	48	0.507004523099717	0.614573629324303	0.00555706787426913	0.770790848282879
DLBC	PRMT7	cg06092312	0.215730170566171	48	1.49843687234665	0.140851473828128	0.0465395064925094	0.302601392878083
DLBC	PRMT7	cg06745885	-0.0170265467378847	48	-0.115496401056507	0.908554391318753	0.000289903293817372	0.951440853980624
DLBC	PRMT7	cg09175928	-0.0117280984182951	48	-0.079549304671103	0.936940785004179	0.000137548292509215	0.966360948228465
DLBC	PRMT7	cg09779635	-0.282088143954856	48	-1.99420244468921	0.0520767970968086	0.0795737209598953	0.148621092239228
DLBC	PRMT7	cg10233539	0.108535509535016	48	0.740498079094092	0.462760975276368	0.0117799568300256	0.652133352935837
DLBC	PRMT7	cg10446007	0.0971843614266604	48	0.662271338356047	0.511101905131496	0.00944480010590775	0.693298371539662
DLBC	PRMT7	cg11893236	0.232901620317015	48	1.6242829345452	0.111148989862376	0.054243164746291	0.256823230288514
DLBC	PRMT7	cg19328639	0.0752134124884325	48	0.511571228801711	0.611398235815176	0.0056570574181551	0.768361512665275
DLBC	PRMT7	cg21918026	-0.0784206815876206	48	-0.533517985359649	0.59624374138232	0.00614980330066698	0.757445763147444
DLBC	PRMT7	cg26492318	0.148889726655831	48	1.02120177050213	0.312499714378587	0.022168150703648	0.51154369961215
DLBC	PRMT7	cg26561196	0.13953945651785	48	0.955753240400015	0.344192998704067	0.0194712599252971	0.543446833490827
DLBC	PRMT7	cg26796563	-0.0446661184013886	48	-0.303242999400595	0.763071944182679	0.00199506213304687	0.868227061391466
DLBC	PRMT8	cg01693063	-0.141781002869593	48	-0.971418771725051	0.336420286025597	0.0201018527747075	0.535981509386858
DLBC	PRMT8	cg06029846	-0.199776342520186	48	-1.38282471607005	0.173394955311695	0.0399105870307428	0.348321209355937
DLBC	PRMT8	cg07912789	-0.139806739019017	48	-0.957620409908521	0.343260403906922	0.0195459242751316	0.542634773963851
DLBC	PRMT8	cg10350722	0.124740178015172	48	0.852689026908912	0.398249832110649	0.0155601120112569	0.59484759785757
DLBC	PRMT8	cg11596580	-0.153455761354991	48	-1.05326296472045	0.297721781208093	0.0235486706930398	0.495854569911702
DLBC	PRMT8	cg19656577	-0.271029732694425	48	-1.90969095063916	0.0624206265489738	0.0734571160044116	0.169442346471528
DLBC	PRMT8	cg21667836	-0.112415185694448	48	-0.767300554407358	0.446823462892863	0.0126371739747171	0.638525793180501
DLBC	PRMT8	cg23739862	-0.143370932050071	48	-0.98253956441747	0.33097384758186	0.0205552241569062	0.530652284552734
DLBC	PRMT8	cg24100636	-0.244784983729876	48	-1.71230533503281	0.093574942434432	0.0599196882596356	0.227159991004937
DLBC	PRMT8	cg27316886	-0.288970819318277	48	-2.04723477526208	0.0463713728159191	0.0835041344174762	0.136510275569014
DLBC	PWWP2E	cg00259755	-0.0823664316090196	48	-0.560540973787318	0.577830630492751	0.00678422905600331	0.744283662304674
DLBC	PWWP2E	cg05010219	-0.27912051926719	48	-1.9714402331885	0.0547059074941189	0.0779082642759857	0.15408027219944
DLBC	PWWP2E	cg15012692	-0.173641245439179	48	-1.19585854186564	0.237879948790454	0.030151282117669	0.429424809398167
DLBC	PWWP2E	cg15278699	0.0789263589076013	48	0.536979746108856	0.593869577178509	0.00622937013041149	0.755697645828349
DLBC	PWWP2E	cg19919881	-0.144611681856283	48	-0.991223405700279	0.326762096154581	0.0209125385293029	0.526253115854784
DLBC	PWWP2E	cg22633292	-0.168225988486282	48	-1.15745975528517	0.253059504260855	0.0282999832021866	0.447085392193785
DLBC	PWWP2E	cg22664157	-0.2175047250441	48	-1.51137217436728	0.137533556325943	0.0473083054165094	0.297595997703119
DLBC	PWWP2E	cg24520806	-0.177608463386145	48	-1.22406025720608	0.227162052475219	0.0315447662663878	0.416778960643787
DLBC	PYGO1	cg06364757	-0.369454818957035	48	-2.69654884650333	0.00975675156304111	0.136496863250576	0.0417821747524934
DLBC	PYGO1	cg09275667	-0.405038593622471	48	-3.00460093405174	0.004293893770931	0.164056262323669	0.0219805995930648
DLBC	PYGO1	cg11480800	-0.425768939877756	48	-3.19142745931977	0.00255223041444955	0.181279190164628	0.0144788312449273
DLBC	PYGO1	cg12686317	-0.340628267202991	48	-2.45719856174447	0.0178331852791101	0.116027616417712	0.0666811724086951
DLBC	PYGO1	cg13878116	-0.494779168846931	48	-3.8615457060099	0.000350420706226061	0.24480642592486	0.00278226458666567
DLBC	PYGO1	cg17841803	-0.385937504719154	48	-2.83738187547073	0.00674426053187007	0.148947757548847	0.031448960247935
DLBC	PYGO1	cg19850348	-0.330043481946763	48	-2.37134011483274	0.0219666632121224	0.108928699975543	0.0781628595308901
DLBC	PYGO1	cg22510134	-0.380464434874591	48	-2.79027655072572	0.0076396278298715	0.144753186204442	0.0346945246583201
DLBC	PYGO1	cg23030278	-0.392444141072603	48	-2.89384168238451	0.00579963963849324	0.154012403862213	0.0279245631018718
DLBC	PYGO1	cg23412777	-0.483705730000806	48	-3.74832818379157	0.000495890189686014	0.233971233235613	0.00372439480753367
DLBC	PYGO1	cg25902187	-0.351791989302928	48	-2.54889960819184	0.0142072287393959	0.123757603737712	0.0559585414689161
DLBC	PYGO2	cg01277844	-0.0599737363082856	48	-0.407495179462549	0.685534597080042	0.00359684904677577	0.819030325041761
DLBC	PYGO2	cg02341811	-0.231621716496115	48	-1.61484923312612	0.113182721896021	0.0536486195526065	0.260246997522509
DLBC	PYGO2	cg04602755	0.253523774789248	48	1.77755615957499	0.0820882644459432	0.0642743043833895	0.20678629765908
DLBC	PYGO2	cg10892866	0.00870804700828133	48	0.0590630877405993	0.953157703964107	7.58300826984373e-05	0.97524661224463
DLBC	PYGO2	cg14024356	-0.0864887375261812	48	-0.588801497922521	0.558874870748019	0.00748030171887267	0.729787858916851
DLBC	PYGO2	cg18188585	-0.0883710169421676	48	-0.601715532633545	0.550317778895695	0.00780943663539287	0.722933877495595
DLBC	PYGO2	cg24683561	-0.107558069851806	48	-0.733750955287688	0.466824026025076	0.011568738390246	0.656033427565824
DLBC	PYGO2	cg27105205	-0.0997134367329443	48	-0.679676807587233	0.50011533503552	0.00994276946509489	0.684109165897439
DLBC	RBBP4	cg05797186	-0.265073246615498	48	-1.86451099546739	0.0686379111541371	0.0702638260712808	0.181706175060401
DLBC	RBBP4	cg06526778	-0.364593047490442	48	-2.65558214642486	0.0108418491915554	0.132928090278368	0.0454165535516589
DLBC	RBBP4	cg09036220	-0.522423234606022	48	-4.15539299271037	0.000139626086582472	0.272926036056219	0.00128105575888629
DLBC	RBBP4	cg11229946	-0.226264083614335	48	-1.57545554898989	0.122004682780753	0.0511954355338348	0.273787034132078
DLBC	RBBP4	cg13641837	0.403508686511588	47	2.95834984566273	0.00491583387691434	0.162819260090307	0.0244453068665734
DLBC	RBBP4	cg16148416	-0.492158419905069	48	-3.83453088568239	0.00038083842705453	0.242219910283454	0.00298267840473977

DLBC	RBBP4	cg16396527	0.0989250598547093	48	0.67424967090338	0.503527076858459	0.00978616746725782	0.686901981848081
DLBC	RBBP4	cg18758482	-0.537558853605033	48	-4.32375250040628	8.15034121834114e-05	0.288969521089157	0.000806779036441825
DLBC	RBBP4	cg20740619	-0.0681131319226348	48	-0.463041101747132	0.645518165870275	0.00463939874031025	0.792214020177017
DLBC	RBBP4	cg22358606	0.129691498705903	48	0.887102660270548	0.379638371999841	0.0168198848365834	0.578160360035935
DLBC	RBBP4	cg22857567	-0.255319269190152	48	-1.79101965829448	0.0798712982659045	0.0651879292197934	0.202805697148815
DLBC	RBBP4	cg23016766	-0.390141112999004	48	-2.87379981304779	0.0061198873118789	0.152210088052102	0.0291365063366161
DLBC	RBBP4	cg26131911	-0.0511062969084186	48	-0.347073318538205	0.730119135139285	0.00261185358369144	0.847406852473321
DLBC	RBBP5	cg00960017	-0.236649036184349	48	-1.6519553130071	0.105354704588871	0.0560027663269813	0.247223814212917
DLBC	RBBP5	cg02189925	-0.333060889906367	48	-2.39571122409426	0.0207135440116731	0.110929556385221	0.0748161130487555
DLBC	RBBP5	cg03143531	-0.0706918712389168	48	-0.480658108240818	0.633037730044454	0.00499734065925959	0.783756201595924
DLBC	RBBP5	cg05290904	-0.0222257235017222	48	-0.1507794367257	0.880808970548634	0.000493982785175006	0.936779223127176
DLBC	RBBP5	cg07601985	0.0681418021258459	48	0.463236914194628	0.64537886920808	0.00464330519695794	0.792139659380151
DLBC	RBBP5	cg07972983	-0.22510640017644	48	-1.56696327313956	0.123977436901633	0.0506728914003955	0.276907858924077
DLBC	RBBP5	cg14717946	-0.0671764135727439	48	-0.456644111176163	0.650075884043346	0.00451267054049633	0.79530734294628
DLBC	RBBP5	cg18131828	-0.34619276378558	48	-2.50275544198799	0.015938345971635	0.119849429697499	0.0611153236650915
DLBC	RBBP5	cg21214746	-0.163945226983494	48	-1.12718202892272	0.265511090132519	0.0268780374506693	0.461227915632476
DLBC	RBBP5	cg23227967	-0.223005792947882	48	-1.55157192645841	0.127618300919561	0.0497315836883136	0.282493116939913
DLBC	RBBP5	cg24103461	-0.113083467342573	48	-0.771920884033178	0.444109029759692	0.0127878705862189	0.636088940121463
DLBC	RBBP5	cg26795850	-0.459664113591965	48	-3.51043667865827	0.00101347528098066	0.211291097324286	0.00678914113567637
DLBC	RBBP7	cg01947226	0.0743867955511551	48	0.505917456143158	0.615330609673101	0.00553339535236935	0.771130722960228
DLBC	RBBP7	cg03048084	0.0121213818582339	48	0.0822172518398907	0.934830672230696	0.000146927898153123	0.965337572256216
DLBC	RBBP7	cg03171708	0.0753730830986876	48	0.51266344215303	0.610639894560265	0.00568110165580167	0.767792987949464
DLBC	RBBP7	cg03811055	0.0299497993115585	48	0.203220585772512	0.839858914228885	0.000896990478802628	0.914239784277248
DLBC	RBBP7	cg07096248	0.044708293657357	48	0.303529904876852	0.762854715216535	0.00199883152175247	0.868094140332564
DLBC	RBBP7	cg08363715	0.0560787900208283	48	0.380944333373579	0.704998291521171	0.00314483069020015	0.831604843636347
DLBC	RBBP7	cg14719055	-0.367988686291931	48	-2.68416805426092	0.0100736609586114	0.135415673238861	0.0428750618565608
DLBC	RBBP7	cg15289846	0.00866175469350853	48	0.058749082459762	0.953406444786123	7.50259943705171e-05	0.975381963590045
DLBC	RBBP7	cg15464143	0.00851098502763115	48	0.0577263997364416	0.954216600285447	7.24368661405616e-05	0.975701242131492
DLBC	RBBP7	cg16978043	0.0537946946814394	48	0.365382438199021	0.716500732237033	0.00289386917586929	0.838855899644044
DLBC	RBBP7	cg17878446	0.073948671388956	48	0.502921265048932	0.617419199152088	0.0054684060001918	0.77271409222637
DLBC	RBBP7	cg17880859	0.0353715236386818	48	0.240051561941709	0.811356835292605	0.00125114468452182	0.898292328036671
DLBC	RBBP7	cg21122900	-0.0420607155798103	48	-0.28552232350152	0.776525768111563	0.0017691037950857	0.876331644826514
DLBC	RING1	cg01241018	0.380114939138814	48	2.78728027096058	0.00770014780059493	0.144487366956504	0.0349143380544082
DLBC	RING1	cg01878788	0.0766935539212602	48	0.521697539758937	0.604383973248669	0.00588190121307325	0.763233070060012
DLBC	RING1	cg02475416	0.27846120335825	48	1.96639151197885	0.0553043049920388	0.0775406417757244	0.1552359108018
DLBC	RING1	cg03037740	0.276271230249706	48	1.94964333401469	0.05732988361985	0.0763257926636863	0.15926582745858
DLBC	RING1	cg06316695	-0.00474157306563846	48	-0.0321592746829808	0.974484169082215	2.24825151367881e-05	0.98664698964771
DLBC	RING1	cg06671577	0.364414591056797	48	2.65408322254583	0.0108835765262303	0.132797994175093	0.0455594571826067
DLBC	RING1	cg07946923	0.17023172735958	48	1.17166936577788	0.247362920841995	0.0289788409998264	0.440639223810615
DLBC	RING1	cg08892712	0.20843339725732	48	1.44541025655867	0.155121362010364	0.0434444810922279	0.322930527259127
DLBC	RING1	cg09478665	0.383398355535657	48	2.81548484991582	0.00714762631205468	0.146994299027446	0.032942854512707
DLBC	RING1	cg09724776	0.236823132764817	48	1.65324279603878	0.105091260813971	0.056085196212542	0.246791727103633
DLBC	RING1	cg09832551	0.501416772075357	48	3.93059510170956	0.000282956803623361	0.251418779318471	0.00232787030256723
DLBC	RING1	cg09869033	0.281243791776454	48	1.98771982324008	0.0528142131668913	0.0790980704127973	0.150114318564309
DLBC	RING1	cg10265934	0.227187561568782	48	1.58223483548523	0.120448112833523	0.0516141881315692	0.2714016072345
DLBC	RING1	cg12065531	-0.129003581910181	48	-0.882317393050012	0.382192768944089	0.0166419241456567	0.580629684754749
DLBC	RING1	cg12115664	0.471360735062093	48	3.62487494544292	0.000720459585320599	0.222180942558277	0.00510730840151012
DLBC	RING1	cg12256228	0.238377106806777	48	1.66474227367839	0.102762122515803	0.0568236450495694	0.242898534242658
DLBC	RING1	cg14046664	0.255100458068539	48	1.78937784819742	0.0801389278091841	0.0650762437067786	0.203318417912305
DLBC	RING1	cg14363494	-0.0215565940167367	48	-0.146237915292373	0.884372569833834	0.000464686745602408	0.938707966237278
DLBC	RING1	cg18189601	-0.119097504381015	48	-0.813548958112988	0.420094657261148	0.0141842155497858	0.615396232066403
DLBC	RING1	cg20505183	0.182905487918897	48	1.26181150235145	0.21337742440147	0.0334544175108496	0.399804507668488
DLBC	RING1	cg24536938	0.00271087642506538	48	0.0183861260168427	0.985410339586404	7.34885099197524e-06	0.992381657581867
DLBC	RING1	cg24550302	0.282075593363367	48	1.99410604911616	0.0520876968841505	0.0795666403712958	0.148641293107575
DLBC	RNF17	cg00202166	-0.09748770604942	48	-0.664358310258229	0.509777741824049	0.00950385283077811	0.692200297405909
DLBC	RNF17	cg01405147	0.176577889502649	48	1.21672836858365	0.229913691358196	0.0311797510612096	0.42002412441057
DLBC	RNF17	cg07131398	0.105131872946721	45	0.693237515503719	0.491888208428417	0.0110527107092854	0.677441335666895

DLBC	RNF17	cg12020676	0.0209199590004029	48	0.141917123209964	0.887765214808963	0.00043764468457854	0.940344778745559
DLBC	RNF17	cg14855529	0.10748907139138	48	0.733274750544064	0.467111562131597	0.0115539004685811	0.656213465480812
DLBC	RNF17	cg15523998	0.144459028230369	48	0.990154746757727	0.327278457959801	0.0208684108372626	0.526757569382314
DLBC	RNF17	cg17806989	-0.212560053215954	48	-1.47536751309722	0.146926214594103	0.0451817762231693	0.311428307892282
DLBC	RNF17	cg20477497	0.223127436487026	48	1.55246259706659	0.127405294041078	0.0497858529132717	0.282229436182617
DLBC	RNF17	cg21831927	-0.0487421359089638	48	-0.330978652465325	0.742163623379856	0.0023757958129679	0.854966339659596
DLBC	RNF17	cg23678722	0.0436089476561227	48	0.29605191411665	0.768522888463984	0.00190174031567445	0.871701842571033
DLBC	RNF17	cg24753530	0.0206728126928052	48	0.140239807369907	0.889082803439375	0.000427365184631807	0.941174522189533
DLBC	RNF20	cg04845236	0.0469995989695787	48	0.319119445557752	0.751080614024296	0.00220896230330123	0.860574485793067
DLBC	RNF20	cg14625770	0.0845770202090269	48	0.575691996315092	0.567629227089361	0.00715327234743815	0.736300470081365
DLBC	RNF20	cg21219529	0.127268364902622	48	0.870252663768919	0.388681152065971	0.016197236704987	0.586421425542457
DLBC	RNF217	cg00991794	-0.227621447157717	48	-1.58542155858499	0.119721987219638	0.0518115232061735	0.270289984147788
DLBC	RNF217	cg02312409	-0.567634457194975	48	-4.67627160988082	2.58213416574996e-05	0.322208876995034	0.000299410560873979
DLBC	RNF217	cg03113502	-0.163801008124766	48	-1.12616312265052	0.265937564615382	0.0268307702626898	0.461736456636886
DLBC	RNF217	cg06993703	-0.272088454915391	48	-1.91774593543188	0.0613642411626103	0.0740321272982445	0.167340879921438
DLBC	RNF217	cg07439975	-0.337994141550143	48	-2.43573516564363	0.0187946846278743	0.114240039722218	0.0694030329871766
DLBC	RNF217	cg10621825	-0.468344947660418	48	-3.59513941240407	0.000787634533482524	0.219346989999039	0.00549831666347267
DLBC	RNF217	cg16203203	-0.387447679933603	48	-2.8504411460086	0.00651385931717913	0.150115704685932	0.0306038876507207
DLBC	RNF217	cg17382198	-0.274067329814041	48	-1.93282183714471	0.0594281401213464	0.0751129012713982	0.163541431695498
DLBC	RNF217	cg18192252	-0.50814822433026	48	-4.00156792075867	0.000226768239201829	0.258214617889996	0.00192993423721992
DLBC	RNF217	cg19171596	-0.53315394691097	48	-4.27417023938589	9.55794630993576e-05	0.284253131106745	0.000926797177835824
DLBC	RNF217	cg19478500	-0.268121704176353	48	-1.88760441748463	0.0653972094193262	0.0718892482504315	0.175369717895614
DLBC	RNF217	cg20034100	0.479962271363914	48	3.71059254192119	0.000556188921347952	0.230363781932807	0.00410358127345814
DLBC	RNF217	cg23521835	-0.526797149880525	48	-4.20347033013863	0.000119822931498057	0.277515237122245	0.00112538504915006
DLBC	RNF217	cg24822696	-0.489610562907667	48	-3.80839936519346	0.00041267637136433	0.239718503310763	0.00318710867009994
DLBC	RPH3A	cg00851732	0.0962083633907937	48	0.655557858795692	0.515374098632716	0.00925604918633501	0.69671241492082
DLBC	RPH3A	cg00854817	-0.0661155885567587	48	-0.449401041248711	0.655252778763645	0.0043712710502066	0.799064704138996
DLBC	RPH3A	cg01119407	0.0166606132772805	48	0.113013462970809	0.910511657242934	0.000277576034775096	0.952585382387326
DLBC	RPH3A	cg01573562	-0.0257880941888416	48	-0.174961551073054	0.861877690743692	0.000665025801892563	0.926640312253338
DLBC	RPH3A	cg05967001	-0.0449822557347613	48	-0.305393625467653	0.761444079368501	0.00202340333098746	0.867338946796199
DLBC	RPH3A	cg08254200	0.164880031472855	48	1.13378822711841	0.262757794696962	0.0271854247784896	0.45815949256803
DLBC	RPH3A	cg09384610	0.0177897952262002	48	0.120675358543886	0.904473749353097	0.000316476814190136	0.949357680480391
DLBC	RPH3A	cg11596863	0.0229032236240481	48	0.15537797799493	0.877203168067068	0.000524557652373157	0.934948383614538
DLBC	RPH3A	cg16403344	-0.0899807021239332	48	-0.612764487507733	0.543049789125733	0.00809652675471599	0.717500118269415
DLBC	RPH3A	cg17453780	0.0544285073042045	48	0.369700114543088	0.713302556721982	0.00296246240736385	0.836887447555725
DLBC	RPH3A	cg18629535	-0.0212379062140695	48	-0.144074984173529	0.886070613222364	0.000451048660357613	0.93957495890383
DLBC	RPH3A	cg19712198	0.00120245417805686	48	0.00815544692113564	0.993528234123139	1.44589605032639e-06	0.996628525961619
DLBC	RPH3A	cg20704159	-0.00441742765320657	48	-0.0299607443440509	0.976227975557512	1.95136670713141e-05	0.987422964433455
DLBC	RPH3A	cg21900624	-0.22076533184141	48	-1.53518091795699	0.131589570463607	0.0487373317430479	0.288525339477053
DLBC	RPH3A	cg23199238	0.0666861483612708	48	0.453296500923704	0.652466399247766	0.00444704238326142	0.79697836010071
DLBC	RPH3A	cg23549179	0.078641311673534	48	0.535028321482951	0.595207364931989	0.00618445590173391	0.756643600031361
DLBC	RPH3A	cg23596620	-0.125814119692385	48	-0.860147754112123	0.394168531018446	0.0158291927139697	0.590884414722979
DLBC	RTF1	cg04910470	-0.572723607702241	48	-4.7385268847879	2.10195810813976e-05	0.32801233081947	0.000249991941697943
DLBC	RTF1	cg07091958	-0.33538242204289	48	-2.41451814408874	0.019790924676434	0.112481369015355	0.0722383143751939
DLBC	RTF1	cg07129439	-0.0893798497853051	48	-0.608639647307663	0.545757319706191	0.0079887575476437	0.719591954868958
DLBC	RTF1	cg15581235	0.0973002491825512	48	0.663068609150786	0.510595825620985	0.00946733849098655	0.692852047582326
DLBC	RTF1	cg18782716	-0.199898923894228	48	-1.38370851302307	0.173125803943613	0.0399595797740705	0.348014180671562
DLBC	RTF1	cg22263512	0.14456740308533	48	0.990913422626633	0.326911819547816	0.0208997340348362	0.526417960503876
DLBC	RTF1	cg24280607	-0.0648054334244523	48	-0.440457712180915	0.6616685785627	0.00419974420133112	0.80308467077115
DLBC	RTF1	cg27576415	-0.367409315957823	48	-2.67928194008727	0.0102013147120822	0.134989605452595	0.0432763156675604
DLBC	SATB1	cg01069104	-0.166576689770858	48	-1.14578643053787	0.257809446757926	0.0277477935750168	0.452295749662442
DLBC	SATB1	cg01373248	-0.142427869770038	48	-0.975942364585268	0.334197697633755	0.0202856980872309	0.533742058914399
DLBC	SATB1	cg04004754	0.0638627229521401	48	0.434024037056295	0.666299951683118	0.0040784473828618	0.806357294561381
DLBC	SATB1	cg14415616	-0.208992697744176	48	-1.4494656996616	0.153991402116595	0.0436779477103885	0.3214276122993249
DLBC	SATB1	cg19818826	-0.118052722281425	48	-0.806310784235198	0.424212733494904	0.0139364452380553	0.619194427256741
DLBC	SATB1	cg26131754	-0.209019990517078	48	-1.44966363539625	0.153936417488709	0.0436893564357593	0.321330086457996
DLBC	SATB1	cg26768584	0.0163217821650556	48	0.110714460736284	0.912324429609998	0.000266400573043526	0.953443311665661

DLBC	SCML2	cg00457389	-0.369148915806363	48	-2.69396372025052	0.00982215486959304	0.136270922041014	0.0420068562905509
DLBC	SCML2	cg04189389	-0.0773100848202164	48	-0.525916523595542	0.601472628148383	0.00597684921490905	0.761138050169586
DLBC	SCML2	cg05049545	-0.377016783824808	48	-2.76078006325717	0.00825504636725045	0.142141655285602	0.0368145538347788
DLBC	SCML2	cg06131666	-0.412358870540794	48	-3.06990993185173	0.00358650368855356	0.170039838113679	0.0190014545910753
DLBC	SCML2	cg08300622	-0.415982991779196	48	-3.10250667047268	0.0032758612103686	0.17304184944957	0.0176685603249105
DLBC	SCML2	cg17710066	-0.361716271909743	48	-2.6314599334169	0.0115315267000742	0.130838661364283	0.0476563742087534
DLBC	SCML2	cg17727916	-0.490093570879336	48	-3.81334331825075	0.00040646224179228	0.240191708217259	0.00314504909866606
DLBC	SCML2	cg22823767	-0.384217746033998	48	-2.82254285732587	0.00701523029733557	0.147623276367446	0.032447994871926
DLBC	SCML2	cg26246138	-0.37608566562639	48	-2.7528368880348	0.0084284338858291	0.141440427889645	0.0373955792414972
DLBC	SCML4	cg00977377	0.121555818528952	48	0.830590838098461	0.410495157638325	0.0147758170182436	0.606362105635922
DLBC	SCML4	cg03500965	-0.213233437322849	48	-1.48026370579022	0.145619911484618	0.0454684987925176	0.309568440314662
DLBC	SCML4	cg05603896	-0.0735742984209262	48	-0.500361280057385	0.619206253415852	0.0054131773881315	0.774060054928135
DLBC	SCML4	cg08792995	-0.0689981109446768	48	-0.469085886580642	0.641223981891059	0.00476073931393393	0.789244010620104
DLBC	SCML4	cg17388996	-0.071098925548754	48	-0.483439830638161	0.63107677464643	0.00505505721418727	0.78228916063772
DLBC	SCML4	cg23503775	-0.120277805288302	48	-0.821729295498134	0.415469865554614	0.0144667504449708	0.611102895854506
DLBC	SCML4	cg27353361	-0.0631104299764586	48	-0.428890733756607	0.670004693280617	0.00398292637181349	0.808807224253314
DLBC	SCML4	cg27659622	-0.0733962568528805	48	-0.49914389574172	0.620056892707601	0.00538701052001401	0.774686462129397
DLBC	SETD1A	cg26692825	-0.289146807754847	48	-2.04859529059578	0.0462324466549141	0.0836058764348183	0.136250594956714
DLBC	SETD6	cg01152986	-0.59809721924775	48	-5.0616090229377	7.14640823722237e-06	0.357720283671891	9.71427018008871e-05
DLBC	SETD6	cg01472538	-0.669091175155299	48	-6.10618576700594	2.00678584099059e-07	0.447683000670699	4.06975750036553e-06
DLBC	SETD6	cg01773760	-0.640557876628538	48	-5.65753211597372	9.41309216442931e-07	0.410314393310861	1.62440570505682e-05
DLBC	SETD6	cg02549819	-0.615251745840897	47	-5.23540969793572	4.18479136274694e-06	0.378534710760272	6.08849185101057e-05
DLBC	SETD6	cg05502081	-0.675364206819998	48	-6.21103731661744	1.39662422599685e-07	0.456116811853605	2.93804718867494e-06
DLBC	SETD6	cg09132913	-0.676604485295016	48	-6.23205791126773	1.29868730780744e-07	0.457793629521333	2.75286322680032e-06
DLBC	SETD6	cg19824325	-0.667471586231145	48	-6.07950328152443	2.20058377254813e-07	0.44551831842592	4.412170463959e-06
DLBC	SETD6	cg26666090	-0.70503320899172	48	-6.74272592353485	2.21765929861856e-08	0.497071825781163	5.65270601168848e-07
DLBC	SETD7	cg05316864	0.0663918800656251	48	0.451287347888739	0.653902902051805	0.00440788173864834	0.798031123421015
DLBC	SETDB1	cg02060408	-0.466312815021126	48	-3.57519359995914	0.000836014061550633	0.217447641452927	0.00578208373971106
DLBC	SETDB1	cg08531528	-0.143684284439351	48	-0.984732227471008	0.329906975475394	0.0206451735948484	0.529563866996797
DLBC	SETDB1	cg10589385	-0.0966141728792063	48	-0.658349018441251	0.513595591908113	0.00933429840113317	0.695211116276528
DLBC	SETDB1	cg10961700	-0.246839027862279	48	-1.72760179092415	0.090768982267332	0.0609295056759951	0.222115762527282
DLBC	SETDB1	cg12082615	-0.147421546095597	48	-1.01090699231066	0.317349031595474	0.0217331122532161	0.516578750143559
DLBC	SETDB1	cg15448220	-0.215959263763711	48	-1.50010592806987	0.140419820422586	0.046638403605364	0.301946473269795
DLBC	SETDB1	cg16370685	-0.25127063402287	48	-1.76068876026295	0.0849382414046689	0.0631369315222549	0.2119420481087
DLBC	SETDB1	cg17899625	-0.08491106744484	48	-0.57798224186318	0.566094952394125	0.00720988937462217	0.735217461502672
DLBC	SETDB1	cg17918089	-0.222188689800955	48	-1.54559109431699	0.129056056863953	0.0493678138754652	0.284671285235181
DLBC	SETDB1	cg19689029	-0.326310725135818	48	-2.34130399789445	0.0236045223120418	0.106478689338663	0.0825632934105023
DLBC	SETDB1	cg26820223	-0.290860220604125	48	-2.06185306272998	0.0448974990736004	0.0845996679298803	0.133346926389939
DLBC	SETMAR	cg00300090	0.176724051665566	48	1.21776796895378	0.229522048861864	0.0312313904370938	0.419584966964161
DLBC	SETMAR	cg02520519	0.157127481342468	48	1.07909458652581	0.286171456295708	0.0246890453930277	0.483450721428658
DLBC	SETMAR	cg06021447	0.0799507910447863	48	0.543994074743672	0.589072717822334	0.00639212898868709	0.752445814195517
DLBC	SETMAR	cg06267913	0.0824366023893751	48	0.561021783911294	0.577505529038563	0.00679579341350392	0.744037380776157
DLBC	SETMAR	cg14751177	0.374137800177038	48	2.73625141934217	0.00880136306156122	0.139979093521313	0.0386482974718387
DLBC	SETMAR	cg14961031	0.0613217889048402	48	0.416688795724193	0.678844123316831	0.00376036179448979	0.814624014377072
DLBC	SETMAR	cg15232450	0.254162039071101	48	1.78233991965242	0.0812947134364192	0.0645983421047799	0.205299170169544
DLBC	SETMAR	cg15384599	0.0494568026147074	48	0.33584333897119	0.738516077969524	0.00244597532487013	0.852762837926535
DLBC	SETMAR	cg16423812	0.354714664125879	48	2.57310936135417	0.0133691769082941	0.125822492945935	0.0534615887942752
DLBC	SETMAR	cg21901604	-0.0450020566548793	48	-0.305528330659193	0.761342153701736	0.00202518510316897	0.867311741350332
DLBC	SETMAR	cg22149154	0.234523409751341	48	1.6362493760637	0.108612214794256	0.0550012297213954	0.252703033787067
DLBC	SETMAR	cg23182840	-0.328413927250882	48	-2.35821246913781	0.0226695243312461	0.107855707612348	0.0800414367460155
DLBC	SETMAR	cg23549342	-0.0311048448331946	48	-0.211065450553145	0.833768472255819	0.000967511372097112	0.910811347482481
DLBC	SETMAR	cg24390964	0.293006970530623	48	2.07849444903803	0.043269463146385	0.0858530847795334	0.129725012178583
DLBC	SETMAR	cg26797270	0.180747410564884	48	1.24641764287432	0.218921238407686	0.0326696264259106	0.406811552185351
DLBC	SETMAR	cg27265118	0.153987420027271	48	1.05700054400567	0.296030927795435	0.0237121255266551	0.493995473241838
DLBC	SFMBT2	cg09060610	-0.157351648943945	48	-1.08067314489838	0.285475896008104	0.0247595414253785	0.482673966096248
DLBC	SFMBT2	cg12328063	-0.196659717658484	48	-1.36037680653317	0.180340017996438	0.0386750445495146	0.357490861278538
DLBC	SFMBT2	cg20299663	-0.278691538364578	48	-1.96815496263488	0.0550946555347235	0.0776689735560153	0.154819882700054

DLBC	SFMBT2	cg25291138	-0.170229661900515	48	-1.17165472540183	0.247368742010563	0.0289781377907636	0.440639223810615
DLBC	SHPRH	cg00571935	0.0711039548824509	48	0.483474201548011	0.631052561849451	0.00505577239992561	0.78228916063772
DLBC	SHPRH	cg02758840	-0.298424870625028	48	-2.12064720672244	0.0393742074338399	0.0890574034075647	0.121101284065819
DLBC	SHPRH	cg06708562	-0.52758537127722	48	-4.21218315298667	0.000116539304332845	0.278346323985722	0.00109851673830963
DLBC	SHPRH	cg11387577	0.121638384811299	48	0.831163483383113	0.410174947084981	0.0147958966595016	0.606078692426229
DLBC	SHPRH	cg11675148	0.00469619558804222	48	0.0318514993758488	0.974728279579921	2.20542530011472e-05	0.986765720367498
DLBC	SHPRH	cg12989205	-0.187626505608267	48	-1.2955533234041	0.201593220823754	0.035203705606769	0.384909263223128
DLBC	SHPRH	cg14102550	-0.317733371549856	48	-2.27274604204931	0.0277593998395038	0.100954495396439	0.0931795180953123
DLBC	SHPRH	cg15443174	-0.117554903945181	48	-0.802862892067546	0.426182916015654	0.0138191554415607	0.620835416896463
DLBC	SHPRH	cg16339435	-0.418333341583114	48	-3.12374198048574	0.00308730014163995	0.175002784680094	0.0168448188538882
DLBC	SHPRH	cg18099523	0.0809306828507515	48	0.550705056914397	0.584500664755136	0.00654977542668893	0.749115835288589
DLBC	SHPRH	cg26814539	-0.251909996307599	48	-1.76547201568538	0.0841217689057489	0.0634586462396945	0.210448913392706
DLBC	SHPRH	cg27398948	-0.140404431636617	48	-0.961796516040078	0.341180605976473	0.0197134044232015	0.540445196826246
DLBC	SIN3A	cg01088093	-0.455953057403255	48	-3.47461887628221	0.00112655014828229	0.207893190555376	0.00741257229429691
DLBC	SIN3A	cg01664094	-0.295603729125583	48	-2.09867024732936	0.0413649387180194	0.0873815646729509	0.1254232747193
DLBC	SIN3A	cg02028562	-0.353371613953222	48	-2.5619736665299	0.0137488866198445	0.124871497547905	0.0545955227249342
DLBC	SIN3A	cg07544511	-0.0836499244223358	48	-0.569336800250409	0.571897420197908	0.0069973098558625	0.739641700169175
DLBC	SIN3A	cg10483776	-0.2093175597376	48	-1.45182193052786	0.153337863884556	0.0438138408145038	0.320527885399698
DLBC	SIN3A	cg11184237	-0.410592483157288	48	-3.05408621296484	0.00374708661345477	0.168586187225268	0.0197026600883474
DLBC	SIN3A	cg15851274	0.0873957338543587	48	0.595023460772069	0.554743751280496	0.00763801429594189	0.726358763885588
DLBC	SIN3A	cg22059910	-0.0736409616200391	48	-0.500817111447859	0.618887879625335	0.00542299122832407	0.773836149405682
DLBC	SIN3A	cg25697800	-0.160329726373616	48	-1.10166073000116	0.276340248859645	0.0257056211590385	0.472901148722745
DLBC	SIN3B	cg06815056	-0.0785817724323044	48	-0.534620734350043	0.595486963176888	0.00617509495860247	0.756850621052522
DLBC	SIRT1	cg02720207	-0.600699867877393	48	-5.0960275918552	6.36426363937376e-06	0.360840331267917	8.79787052272411e-05
DLBC	SIRT1	cg03211233	-0.622159116852222	48	-5.38988110995297	2.35078742731912e-06	0.387081966682337	3.64369709346212e-05
DLBC	SIRT1	cg07832903	-0.515209365511044	48	-4.07707998161716	0.00017888175440155	0.265440690310293	0.00158092157586949
DLBC	SIRT1	cg10582690	-0.37297583925408	48	-2.72637776043455	0.00903054510370789	0.139110976667286	0.0394453804490652
DLBC	SIRT1	cg10705386	-0.443286093783863	48	-3.35405959399395	0.00160226614001415	0.196502560942156	0.00993121600639475
DLBC	SIRT1	cg19192316	-0.276673565684597	48	-1.95271778387828	0.0569533435490899	0.0765482619486287	0.158536816404548
DLBC	SIRT1	cg19681528	-0.563597243242105	48	-4.62744840618873	3.03264000292474e-05	0.3176418525901	0.000344242096492683
DLBC	SIRT1	cg19980381	-0.496951630429714	48	-3.88404523265596	0.000326890121794725	0.246960922986751	0.00262571916725853
DLBC	SIRT1	cg25513531	-0.395593977471547	48	-2.92135713251122	0.00538533616446203	0.156494595011759	0.0263207163145165
DLBC	SIRT4	cg04118464	0.0998006147400459	48	0.680277014681447	0.499738797315525	0.00996016270249107	0.683824910981101
DLBC	SIRT4	cg07106325	0.0951945767960912	48	0.64858646821555	0.519830603934684	0.00906200745138691	0.700290958880891
DLBC	SIRT4	cg08264848	0.0664247236957303	48	0.451511585945145	0.653742510686088	0.00441224391805411	0.797956392554259
DLBC	SIRT4	cg12124973	0.280454953223631	48	1.98166794459853	0.0535107477917193	0.0786549807876689	0.151612161332593
DLBC	SIRT4	cg20010714	0.121299453797897	48	0.828812910758008	0.411490312255656	0.0147135574916681	0.607240656676507
DLBC	SIRT4	cg21068152	0.343453092914726	48	2.48028858146216	0.0168487044053747	0.117960027032691	0.0637996388376331
DLBC	SIRT4	cg21123573	0.240116067353234	48	1.677626739278	0.100203014281621	0.0576557258011829	0.238574808502921
DLBC	SIRT5	cg01064902	0.0971011007405693	48	0.661698548183668	0.511465659223427	0.00942862376503018	0.693621735175803
DLBC	SIRT5	cg02206980	0.11356840354335	48	0.775274273823282	0.442145024329853	0.0128977822833852	0.634511428410718
DLBC	SIRT5	cg02712746	0.324114479461916	48	2.32368904361214	0.0246151990553295	0.105050195796869	0.0852019931172548
DLBC	SIRT5	cg06139021	0.00176826356445131	48	0.0119929657407997	0.990483091206738	3.12675603336606e-06	0.99485670605455
DLBC	SIRT5	cg07534331	0.0798559365053569	48	0.543344529315097	0.589516143045969	0.0063769705951476	0.752652457704518
DLBC	SIRT5	cg07909422	-0.10169673185745	48	-0.693335427536315	0.491585260179762	0.0103422252704861	0.677165979085098
DLBC	SIRT5	cg08619119	0.0123069253765577	48	0.0834759508718653	0.93383531464437	0.000151460412224159	0.964803172336801
DLBC	SIRT5	cg10907941	0.165891171288772	48	1.14093741831324	0.259801200719258	0.0275198807115607	0.454782174315474
DLBC	SIRT5	cg11824369	0.0362599852410336	48	0.246089015559949	0.806708120681844	0.00131478652967998	0.895237607742021
DLBC	SIRT5	cg19366958	-0.139234828604019	48	-0.953625444826123	0.345257802837538	0.0193863374963905	0.544448650602771
DLBC	SIRT5	cg20150972	0.277273362595432	48	1.95730320267103	0.0563956979643678	0.0768805176049781	0.157432592343004
DLBC	SIRT7	cg11691214	0.325913824885283	48	2.33811753736674	0.0237845475102463	0.106219821251355	0.0830324487978865
DLBC	SIRT7	cg12710567	0.365463559359386	48	2.66289875229211	0.010640268056942	0.133563613219631	0.0447441962526692
DLBC	SIRT7	cg17552093	0.270484873746827	48	1.90554846536583	0.0629699232715003	0.073162066925837	0.170549114332872
DLBC	SIRT7	cg20397086	0.287733892208834	48	2.03767883012882	0.0473574240707914	0.0827907927256448	0.138678139281907
DLBC	SMARCA	cg03460558	-0.32736134794013	48	-2.34974547934512	0.0231334926833779	0.107165452125179	0.0813032270074859
DLBC	SMARCA	cg06675660	-0.317346462060945	48	-2.2696683387069	0.027960342219136	0.10070876982599	0.0937118979188947
DLBC	SMARCA	cg08617833	-0.477807939659135	48	-3.68899569151448	0.00059380909876986	0.228300427201307	0.00433753850044155

DLBC	SMARCA	cg12935118	-0.289985610712283	48	-2.05508295009005	0.0455749399901377	0.0840916544201755	0.134855198062198
DLBC	SMARCA	cg17420696	-0.302054414602578	48	-2.14901157050336	0.0369293833649776	0.0912368693809059	0.115411312555308
DLBC	SMARCA	cg18959966	-0.362173017509746	48	-2.63528401007242	0.0114195761642712	0.131169294612115	0.0473017681765251
DLBC	SMARCA	cg24447042	-0.167607278528609	48	-1.15307951414586	0.254834417355028	0.0280921998157667	0.44910486912748
DLBC	SMARCA	cg26010110	-0.426362614349217	48	-3.19686527922282	0.00251327686430419	0.181785078914699	0.0143006041823932
DLBC	SMARCA	cg27353825	-0.263366011995875	47	-1.83136754437705	0.0736707415292046	0.0693616562746115	0.191331430410728
DLBC	SMARCA	cg04518912	-0.0299407274709693	48	-0.203158974702956	0.839906786359067	0.000896447161490855	0.914247231098157
DLBC	SMARCA	cg13529335	0.290726050882253	48	2.06081412607142	0.0450008856464193	0.0845216366615901	0.133577491528447
DLBC	SMARCA	cg14290704	0.262229396631599	48	1.84302180299661	0.0717749307364905	0.0687642564577727	0.187742811664522
DLBC	SMARCA	cg21210735	-0.162804640116277	48	-1.11912580547713	0.268896412549082	0.0265053508433904	0.464773540655956
DLBC	SMARCA	cg08405378	0.0970652563117523	48	0.661451961494283	0.51162229866806	0.00942166398286616	0.693689784972516
DLBC	SMARCA	cg17218495	-0.145499659004401	48	-0.997441167735289	0.323768603277492	0.021170150770397	0.523196818745901
DLBC	SMARCA	cg17747332	0.0847045535140939	48	0.576566348296188	0.56704324111059	0.00717486138602199	0.735823508992298
DLBC	SMARCA	cg18522266	0.00908666398322149	48	0.0616312980024488	0.951123462773138	8.25674623439747e-05	0.974102246315845
DLBC	SMARCA	cg23892580	-0.180120679612017	48	-1.24195058445827	0.220549799799233	0.0324434592238948	0.408763785333339
DLBC	SMARCA	cg01278696	0.0371194528772028	48	0.251929999384235	0.802217384399864	0.00137785378190288	0.892082653430636
DLBC	SMARCA	cg01575392	0.554601660180766	48	4.52039327963926	4.30731816801672e-05	0.307583001475261	0.00046649521030585
DLBC	SMARCA	cg02782292	-0.382155803578283	48	-2.80479670508399	0.0073525325363616	0.146043058208564	0.0336559526998361
DLBC	SMARCA	cg05358385	0.24706032096899	48	1.72925123431565	0.0904706287144157	0.0610388021973005	0.221601766064523
DLBC	SMARCA	cg10878459	0.382558384196802	48	2.80825765442803	0.00728559308665858	0.146350917319268	0.0334260429285256
DLBC	SMARCA	cg12253543	0.143186866188626	48	0.981251716179381	0.331601542261803	0.0205024786489195	0.531308268875552
DLBC	SMARCA	cg13848802	0.091166744789113	48	0.620908632864056	0.53772436680127	0.00831137535544326	0.713568396444298
DLBC	SMARCA	cg13898584	-0.468421922765346	48	-3.59589637119033	0.000785852381195475	0.219419097727183	0.00548636813629371
DLBC	SMARCA	cg16091845	-0.131189632685384	48	-0.897528455658115	0.374110688909852	0.017210719724126	0.572747017220708
DLBC	SMARCA	cg16587443	0.515333461491427	46	3.98877056149449	0.000247433929706946	0.265568576532736	0.00207356190106885
DLBC	SMARCA	cg19993723	-0.0435534061872049	48	-0.295674137781117	0.768809578083543	0.00189689919050766	0.871832613761071
DLBC	SMARCA	cg20045045	-0.398851686183086	48	-2.9499434878895	0.00498425311215006	0.159082667571091	0.0247002794372915
DLBC	SMARCA	cg22077701	-0.601840768550733	48	-5.11119503399564	6.0470188383792e-06	0.362212310689737	8.40939906172455e-05
DLBC	SMARCA	cg24607315	0.00917233005270938	48	0.0622123862016536	0.950663236587525	8.41316385958358e-05	0.973924039020885
DLBC	SMARCB	cg01745726	0.146821849434372	48	1.00670393096826	0.319343443255158	0.0215566554713294	0.518663226323326
DLBC	SMARCB	cg01912455	0.232025769850621	48	1.61782640199379	0.112537653621054	0.0538359578747735	0.259192770991986
DLBC	SMARCB	cg03979008	0.041099020112945	48	0.278982835032932	0.78150844651491	0.00168912945424426	0.879321110278629
DLBC	SMARCB	cg10122452	0.198802549115187	48	1.37580618119281	0.175543857755407	0.0395224535346965	0.351256706886796
DLBC	SMARCB	cg16142952	0.138286283169603	48	0.947001714890491	0.348586360513037	0.0191230961128636	0.547756080968339
DLBC	SMARCB	cg19906397	0.301834591217579	48	2.14729077534369	0.0370738096418303	0.091104120455483	0.115765501310064
DLBC	SMARCC	cg02564102	-0.0597510874122862	48	-0.40597694759058	0.686641932856345	0.00357019244695067	0.81966306870792
DLBC	SMARCC	cg02627110	-0.371548817915691	48	-2.7142721522095	0.00931903957957271	0.138048524094547	0.0403588133971653
DLBC	SMARCC	cg05592996	-0.328088070032319	48	-2.35559021063988	0.0228123165598064	0.107641781697532	0.0804287946727207
DLBC	SMARCC	cg07143957	-0.369696171205342	48	-2.69858918243037	0.00970541463195213	0.13667525900389	0.0416219970164324
DLBC	SMARCC	cg07304068	-0.574885532970198	48	-4.76521890926624	1.9240403243168e-05	0.330493376018429	0.00023155753866012
DLBC	SMARCC	cg07474652	-0.553607847488179	48	-4.50870867540764	4.47480176256768e-05	0.306481648800494	0.000482217382348235
DLBC	SMARCC	cg12894336	-0.633196397282288	48	-5.54857356050578	1.36736068917989e-06	0.400937677531269	2.25413132981691e-05
DLBC	SMARCC	cg16250355	-0.122185564410075	48	-0.834958935991973	0.408056492718783	0.0149293121502085	0.604159389349009
DLBC	SMARCC	cg20685352	-0.170930940148519	48	-1.1766264375971	0.245397628671809	0.0292173863000566	0.438307039947072
DLBC	SMARCC	cg22984439	-0.253227455743666	48	-1.77533610642301	0.0824587349326794	0.0641241443424102	0.207444129785366
DLBC	SMARCD	cg02553054	-0.106334568721561	48	-0.72530833630799	0.471936762145414	0.0113070405052003	0.660059840968328
DLBC	SMARCD	cg04550398	-0.323723995449541	48	-2.32056158133002	0.0247986349093307	0.104797225229815	0.0856860272933234
DLBC	SMARCD	cg09878554	-0.189871541294958	48	-1.31163141106457	0.196153415746611	0.0360512021937229	0.378111821824048
DLBC	SMARCD	cg13349421	-0.64346082107654	48	-5.70121891066567	8.10221167876507e-07	0.414041828260496	1.41928271861709e-05
DLBC	SMARCD	cg17846064	-0.685030672821853	48	-6.37750630895266	7.85105987103819e-08	0.469267022706761	1.74854094362309e-06
DLBC	SMARCD	cg18591973	-0.0499806814693645	48	-0.339409673903052	0.735845888521437	0.00249806852014207	0.851015757223425
DLBC	SMARCD	cg20405918	-0.550983453239149	48	-4.47798585512154	4.94618278630203e-05	0.303582765743337	0.000524823081744084
DLBC	SMARCD	cg22402853	-0.566461664320362	48	-4.6620379167961	2.70621217684373e-05	0.320878817144594	0.000311568847247863
DLBC	SMARCD	cg25107077	-0.578390380891864	48	-4.80880879568612	1.66481011021269e-05	0.334535432708236	0.000204020538301648
DLBC	SMARCD	cg00945038	-0.0263591435482381	48	-0.178838549322154	0.858849839053425	0.000694804448596621	0.925008505874597
DLBC	SMARCD	cg02127607	0.0156477541005205	48	0.106141227056983	0.91593183446224	0.000244852208390357	0.95560857454865
DLBC	SMARCD	cg02360836	0.0816530974703364	48	0.55565368399961	0.581140225879823	0.00666722832650026	0.746748811691668

DLBC	SMARCD	cg04367190	-0.0639983517742236	48	-0.43494958491215	0.66563286758847	0.00409578902981727	0.805861513938986
DLBC	SMARCD	cg06420487	0.17609130170299	48	1.21326803789332	0.231220817304931	0.0310081465354534	0.421706437839524
DLBC	SMARCD	cg07362569	-0.0350333692981233	48	-0.237753817820309	0.813127867168944	0.00122733696437869	0.899385682880515
DLBC	SMARCD	cg11697258	0.0679687914790078	48	0.462055299390109	0.646219638985565	0.00461975661511684	0.792578611768502
DLBC	SMARCD	cg12577610	-0.0216126579823213	48	-0.146618425493622	0.884073900765826	0.000467106985060798	0.938570697984042
DLBC	SMARCD	cg15868002	0.0331003350125655	48	0.224620479042603	0.823269332197478	0.00109563217794407	0.904890210505823
DLBC	SMARCD	cg19016967	-0.10043636103442	48	-0.684654508965057	0.496997299175849	0.0100874626178363	0.681521705806103
DLBC	SMARCD	cg19143629	0.022696661263061	48	0.153975910764796	0.878302280084058	0.000515138432490133	0.935408422792357
DLBC	SMARCD	cg21254277	0.134863125697113	48	0.923119622585013	0.360761793584041	0.0181880626727954	0.5596566879528
DLBC	SMARCD	cg23682543	0.203579719941761	48	1.41027836202226	0.165183991970313	0.0414447023715657	0.337137251320667
DLBC	SMARCD	cg24795630	0.207182179758967	48	1.43634313907532	0.157671228921892	0.0429244556096769	0.32645451741276
DLBC	SMARCD	cg25945412	-0.0126659895218015	48	-0.0859118120756946	0.931909382263809	0.000160427290566385	0.96387191143941
DLBC	SMARCD	cg00864064	0.0111134997368075	48	0.0753800777181918	0.940239189211301	0.000123509876400021	0.96821760894692
DLBC	SMARCD	cg02917064	0.137825983034643	48	0.943788379702608	0.350208688351114	0.0189960015994657	0.549210472555469
DLBC	SMARCD	cg14795305	0.111389138371655	48	0.760208773865882	0.451008780172696	0.0124075401471798	0.641703435597972
DLBC	SMARCD	cg19786287	0.0174114332597828	48	0.118107989895533	0.906496330561749	0.00030315800815987	0.950509437847705
DLBC	SMARCD	cg19902439	-0.0540021676996567	48	-0.366795742765305	0.715453304871772	0.00291623411626184	0.838241721251371
DLBC	SMARCD	cg22750243	-0.00740261874994573	48	-0.0502083787988084	0.960173719281463	5.4798764357048e-05	0.979128490952472
DLBC	SMARCD	cg22787816	-0.0447941265879868	48	-0.304113805298352	0.762412677688376	0.00200651377678058	0.867881093638783
DLBC	SMNDC1	cg03999743	-0.240513536350025	48	-1.68057410344764	0.0996250442212287	0.0578467611675947	0.237622079693768
DLBC	SMNDC1	cg08770590	0.0733354258152233	48	0.498727965951553	0.620347641392164	0.00537808467950012	0.774901641261152
DLBC	SMNDC1	cg11559952	-0.400450307082749	48	-2.96401981649581	0.00479716792536216	0.160360448442668	0.023988614873409
DLBC	SMNDC1	cg12486840	-0.0421238892989918	48	-0.285951929745593	0.776198764887868	0.00177442204967372	0.876124348104874
DLBC	SMNDC1	cg17981675	0.135117039333163	48	0.924889915838097	0.35984992079514	0.0182566143181596	0.558697803942809
DLBC	SMNDC1	cg18209001	-0.0718340062987914	48	-0.48846383180364	0.627541937131972	0.0051601244609348	0.779893564503805
DLBC	SMNDC1	cg21872391	-0.32269759193428	48	-2.31234722648311	0.0252862697641208	0.104133735840183	0.0869490930867245
DLBC	SMNDC1	cg23721301	-0.396702392548034	48	-2.93106868484478	0.00524581797623056	0.157372788253334	0.0257618309224721
DLBC	SMNDC1	cg26944434	-0.198129909995695	48	-1.37096066968462	0.177039366746238	0.0392554612349021	0.353206998606336
DLBC	SMYD1	cg00578637	-0.0439788054305198	48	-0.298567645557222	0.76661456779262	0.00193413532709552	0.870615227323091
DLBC	SMYD1	cg00666842	0.175546971528432	48	1.20939816439164	0.23268909591405	0.030816739212804	0.4234144724817
DLBC	SMYD1	cg03704645	0.0164370417910998	48	0.111496504250015	0.911707731816924	0.000270176342842361	0.953118919678633
DLBC	SMYD1	cg14559139	0.0370524024565539	48	0.251474301501877	0.802567499159944	0.00137288052780244	0.892310076170483
DLBC	SMYD1	cg16090764	0.202591631711218	48	1.40313977224777	0.167289395803065	0.0410433692394138	0.340048514465327
DLBC	SMYD1	cg18148488	-0.0667378945308453	48	-0.453649816538442	0.652213923294354	0.00445394656641023	0.796820308259956
DLBC	SMYD1	cg19074493	-0.286364812607006	48	-2.02711489382264	0.0484686305775391	0.0820048058994455	0.140976917937227
DLBC	SMYD2	cg01770831	-0.0995667112449988	48	-0.6786666609864	0.500749397659392	0.00991352998814498	0.684585830751314
DLBC	SMYD2	cg04406444	-0.0507675653754237	48	-0.344766959277908	0.731840973682537	0.00257734569414792	0.848553323794368
DLBC	SMYD2	cg11523160	-0.183416265117894	48	-1.26545769774971	0.212079773862963	0.0336415263097975	0.398274808156797
DLBC	SMYD2	cg14013804	-0.115327607640954	48	-0.787444103779047	0.435060686218975	0.0133004570841857	0.628437287786135
DLBC	SMYD2	cg27570636	-0.233245398353642	48	-1.62681831414291	0.110607517012706	0.054403415853149	0.255975046214084
DLBC	SMYD5	cg01329511	-0.174549147886654	48	-1.20230718288125	0.235397210532757	0.0304674050279568	0.426615971955393
DLBC	SMYD5	cg05103132	-0.00784586331418949	48	-0.0532148719136687	0.95779114351406	6.15575711449445e-05	0.977724178807117
DLBC	SMYD5	cg06754047	0.0158478672215211	48	0.107498965318529	0.914860649029481	0.000251154895470963	0.955003345641665
DLBC	SMYD5	cg08834152	0.0781375477532955	48	0.531579891711471	0.597574883016304	0.00610547636889853	0.758383173347344
DLBC	SMYD5	cg15623359	0.0280934629755052	48	0.190614371613284	0.849666501582459	0.000789242661956083	0.919822691566618
DLBC	SMYD5	cg17895873	-0.152190525973323	48	-1.04437207569854	0.301770700611549	0.0231619561960367	0.500169377095936
DLBC	SMYD5	cg20402064	0.0755870755310204	48	0.514127301559356	0.609624189958321	0.00571340598733218	0.767111014244175
DLBC	SMYD5	cg25886337	-0.0808156037559751	48	-0.549916832141174	0.585036781418303	0.00653116181044278	0.749581688384727
DLBC	SMYD5	cg26467949	-0.0215040661279704	48	-0.145881405953459	0.884652415610016	0.000462424860036122	0.938851752588101
DLBC	SP100	cg05876232	-0.127844338049022	48	-0.874256420759992	0.386520299571029	0.0163441747711927	0.584498876153266
DLBC	SP100	cg09456094	-0.013053308263845	48	-0.0885393874006868	0.929832331548494	0.000170388856630965	0.962793330786035
DLBC	SP100	cg11702456	-0.0159783083071332	48	-0.108383995954742	0.914162491371645	0.000255306336357802	0.95471012020091
DLBC	SP100	cg11827097	-0.203810102505876	48	-1.41194344029453	0.164695880904523	0.0415385578834557	0.336405188302053
DLBC	SP100	cg23539753	-0.230415027958906	48	-1.60596329136819	0.115125963036303	0.0530910851093034	0.263082253868524
DLBC	SP100	cg27140170	-0.0261377528806	48	-0.177335451608685	0.860023473954093	0.000683182125647315	0.92553836745799
DLBC	SP140L	cg04002454	-0.259165148476334	48	-1.81992489135411	0.0752810607865789	0.0671665741847601	0.19442840053736
DLBC	SP140L	cg05217331	0.13281593366146	48	0.908853274321608	0.368164927983742	0.0176400722343654	0.567025448072048

DLBC	SP140L	cg13278004	-0.310578329550516	48	-2.2160324169041	0.0316761387997706	0.0964588987863889	0.102752628712758
DLBC	SP140L	cg24044052	-0.0929412279194986	48	-0.633098382015305	0.529804459751543	0.00863807184718418	0.707928686738432
DLBC	SP140L	cg25095994	-0.418675210444043	48	-3.12683706644038	0.00306068571277635	0.175288931840364	0.0167230639373313
DLBC	SP140L	cg26847438	-0.267910225516803	48	-1.8860004115433	0.0656180123201816	0.0717758889364644	0.175770323595639
DLBC	SSRP1	cg01511567	0.0943993494740402	48	0.643119445662738	0.523339744338076	0.00891123718112197	0.702735882977571
DLBC	SSRP1	cg01766191	-0.234113563745958	48	-1.63322395001288	0.109249066725739	0.0548091607298327	0.253676251520205
DLBC	SSRP1	cg02688348	-0.00202025072550734	48	-0.0137020350308994	0.989126956138096	4.08141299391292e-06	0.994286077624878
DLBC	SSRP1	cg04937561	-0.262614486708751	48	-1.84592865198927	0.0713436133476251	0.0689663686293008	0.186954055875136
DLBC	SSRP1	cg08821673	-0.354608379362283	48	-2.5722274551573	0.0133988958785398	0.125747102713945	0.0535529031018869
DLBC	SSRP1	cg09381635	-0.236407761270626	48	-1.6501713098621	0.105720640238548	0.0558886295889893	0.247820878257076
DLBC	SSRP1	cg11948159	0.0916747668643498	48	0.624397857937885	0.535451092937159	0.00840426287963289	0.711842410307318
DLBC	SSRP1	cg12795368	-0.257297468840849	48	-1.80587612805486	0.07748350491759	0.0662019874719077	0.198443401800697
DLBC	SSRP1	cg12911972	-0.244248240087436	48	-1.70831226046074	0.0943191426033875	0.05965720278581	0.228389310539046
DLBC	SSRP1	cg16313264	0.00342624982986157	48	0.0232380933493204	0.981560866531453	1.17391878966264e-05	0.990504927553699
DLBC	SSRP1	cg22636253	0.0866780407517578	48	0.590099899036069	0.558011454673056	0.00751308274856338	0.72916755552793
DLBC	SSRP1	cg26706201	0.0898833155028201	48	0.612095884471681	0.543488188158256	0.0080790104057795	0.717804490672361
DLBC	STK31	cg00755064	0.115062408569139	48	0.785609030766528	0.436124572533343	0.0132393578657315	0.629229120803899
DLBC	STK31	cg05000488	0.104055787787175	48	0.709592740582322	0.481538277179047	0.0108276069720096	0.668752945095717
DLBC	STK31	cg05407490	0.145909892232302	48	1.00031451890828	0.322391504374365	0.021289696651242	0.521785143163554
DLBC	STK31	cg11755819	-0.0872069575632732	48	-0.593728339718193	0.555602384492535	0.00760505344744253	0.727052295231412
DLBC	STK31	cg13313214	0.0982274706525428	48	0.669448580406137	0.506555808572093	0.00964863599079615	0.689572551001056
DLBC	STK31	cg13514718	0.00221302861188648	48	0.0150095270625034	0.988089491635374	4.89749563702822e-06	0.993709878122428
DLBC	STK31	cg13802883	0.0614426641160116	48	0.417513266536944	0.678245396153208	0.00377520097367302	0.814250344881831
DLBC	STK31	cg14898779	0.058949917594905	48	0.400514311446229	0.690631888932118	0.00347509278444609	0.822212685717006
DLBC	STK31	cg17102984	-0.0590799427516412	48	-0.401400812138899	0.689983773763966	0.0034904396355372	0.821823769730746
DLBC	STK31	cg17331904	0.0611793383440929	48	0.415717186463883	0.679549970565444	0.00374291144022099	0.815112100810537
DLBC	STK31	cg21519371	0.0731015504492545	48	0.497128904557511	0.621466008718517	0.00534383667808489	0.775714691342223
DLBC	STK31	cg25570411	0.0697454446201609	48	0.474191360873783	0.637606705622914	0.00486442704526393	0.786859254070434
DLBC	STK31	cg25612145	-0.0353054575007811	48	-0.239602638927511	0.811702773562246	0.00124647532933946	0.898554297358261
DLBC	SUV39H	cg05903800	-0.235678235040726	48	-1.64477910820891	0.106833025740029	0.0555442304719117	0.249638604001556
DLBC	SUZ12	cg00160853	-0.0181289848902651	48	-0.122976968256522	0.902661077501645	0.000328660093151461	0.948530579521868
DLBC	SUZ12	cg01109633	0.08826922927978	48	0.601017017990607	0.550778918714489	0.00779145683764638	0.72328866486219
DLBC	SUZ12	cg07482957	-0.741235545501315	48	-7.48952167273311	1.68902051613601e-09	0.549430133914632	5.34998623909956e-08
DLBC	SUZ12	cg08177746	-0.0251315634767206	48	-0.170504409903259	0.865361210927546	0.000631595482784439	0.928512062161531
DLBC	SUZ12	cg17335595	-0.220958336950571	48	-1.53659191541161	0.131243862313317	0.0488225866679619	0.287994613133312
DLBC	SUZ12	cg25098644	-0.18880328177106	48	-1.30397830118861	0.198728733473101	0.0356466792075221	0.381396400439286
DLBC	TAF3	cg00194465	-0.15363942593735	48	-1.05455402714426	0.297136961988615	0.0236050732023584	0.495190077569458
DLBC	TAF3	cg02334915	0.0308646286598132	48	0.209433876151116	0.835034326921759	0.000952625302308165	0.911702975755787
DLBC	TAF3	cg03672997	-0.0539557300025132	48	-0.366479405406122	0.715687700637512	0.0029112208001041	0.83837086257182
DLBC	TAF3	cg04179819	-0.0533892994274848	48	-0.362621025713695	0.718548857385684	0.00285041729335763	0.840179008769643
DLBC	TAF3	cg04234156	0.0149355398943584	48	0.101309060193744	0.91974543035712	0.00022307035193597	0.957737805980642
DLBC	TAF3	cg05976695	-0.0835615194589839	48	-0.568730866592415	0.572305190879288	0.00698252753429414	0.739910756153416
DLBC	TAF3	cg07855525	0.0729809755343356	48	0.496304537472106	0.622042915935217	0.00532622278994329	0.776059764289379
DLBC	TAF3	cg09871669	-0.0859199943000033	48	-0.584900692953858	0.561472688191907	0.0073822454205126	0.731902449860105
DLBC	TAF3	cg09994553	-0.0723339980403537	46	-0.48106964074947	0.632850738686427	0.00523220727250189	0.783611987925126
DLBC	TAF3	cg11104088	0.0222293278817408	48	0.150803900948428	0.880789780867401	0.000494143018073938	0.936772166165112
DLBC	TAF3	cg12176426	0.131067196028348	48	0.896676162269752	0.374560629819843	0.0171786098747334	0.573232088152425
DLBC	TAF3	cg12590721	-0.332551456606895	48	-2.39159083955725	0.0209207801582455	0.110590471291368	0.0753861305123235
DLBC	TAF3	cg12777293	-0.245283952294435	48	-1.71601888585367	0.092887210188356	0.0601642172531785	0.225927577207134
DLBC	TAF3	cg27268107	-0.123200192713592	48	-0.84199884451734	0.404144993586361	0.0151782874846662	0.600631237478196
DLBC	TCEA1	cg01677098	-0.202175134330897	48	-1.40013206568366	0.168182678146618	0.0408747849417161	0.341265607421838
DLBC	TCEA1	cg06047473	-0.0401467844884121	48	-0.272508438409861	0.786450672522545	0.00161176430475901	0.882259158685705
DLBC	TCEA1	cg11530293	0.165170117832132	48	1.13583888479976	0.261907288022351	0.0272811678246804	0.457275300500724
DLBC	TCEA1	cg11787876	-0.0642637384368105	48	-0.436760686373752	0.66432831584106	0.00412982807787479	0.805031910416431
DLBC	TCEA1	cg12850379	-0.362683162791666	48	-2.639557755735	0.0112956409211802	0.131539076572566	0.0468807666358458
DLBC	TCEA1	cg23569945	0.0119831383717573	48	0.0812794345650181	0.935572350533992	0.000143595605236683	0.965661608563638
DLBC	TCEA1	cg26181865	-0.314081080808699	48	-2.24374356469472	0.029704999076702	0.0986469253219603	0.0979676412843702

DLBC	TCEA1	cg26358945	-0.109846817229539	48	-0.749553262464519	0.45734018034508	0.0120663232554598	0.64753789294127
DLBC	TDRD1	cg00337703	0.216337195455153	48	1.50285991296485	0.139709879312473	0.0468017821374012	0.300893949537237
DLBC	TDRD1	cg02635786	0.00247916502667067	48	0.0168145669669272	0.986657269033356	6.146259229467e-06	0.993007258731262
DLBC	TDRD1	cg16550453	-0.895585046157761	48	-13.6531468637601	8.58075696805105e-18	0.802072574901398	9.22004706591938e-16
DLBC	TDRD1	cg23504215	-0.248071427549079	48	-1.73679134940294	0.0891171211944063	0.0615394331662382	0.219286997949728
DLBC	TDRD1	cg23825092	-0.455577298526332	48	-3.47100501308653	0.0011386054448444	0.207550674932551	0.00747734863888444
DLBC	TDRD1	cg24203376	-0.169317714733167	48	-1.16519221677916	0.249947984818531	0.0286684885224622	0.443562596230873
DLBC	TDRD1	cg26600802	-0.875055101864244	48	-12.2616251738107	4.23923164525961e-16	0.765721431298643	3.76468934487815e-14
DLBC	TDRD1	cg27547703	-0.658607849358285	48	-5.93618181668236	3.60897438615186e-07	0.433764299236345	6.87454832018358e-06
DLBC	TDRD3	cg01557749	-0.365296235281815	48	-2.66149177734505	0.0106787625579001	0.133441339511067	0.0448642321978823
DLBC	TDRD3	cg03447530	-0.299562002882218	48	-2.12952278071343	0.0385943552776132	0.0897373935708057	0.119247329989143
DLBC	TDRD3	cg05666423	-0.337755810103608	48	-2.43379639260372	0.0188838019552878	0.114078987258744	0.0696692824295581
DLBC	TDRD3	cg10765900	-0.313233832858922	48	-2.23703151865583	0.0301721733027788	0.098115434047491	0.0991220436847956
DLBC	TDRD3	cg18522102	-0.339963609050987	48	-2.45177664921189	0.0180717772927686	0.115575255478972	0.0673473457587373
DLBC	TDRD3	cg19937698	-0.33054692923599	48	-2.37540067356565	0.021753257834592	0.109261272427343	0.0776093987610295
DLBC	TDRD3	cg20944895	-0.330813762404287	48	-2.37755374160979	0.0216408594698286	0.10943774539608	0.0773396279674681
DLBC	TDRD3	cg22045829	-0.316602569245618	48	-2.26375452126978	0.028350091371314	0.100237186852926	0.0946633620113314
DLBC	TDRD3	cg23103367	-0.164658769603104	48	-1.13222430193643	0.26340775247109	0.027112510407208	0.458823030445572
DLBC	TDRD3	cg23767211	-0.308708046082778	48	-2.20127716025911	0.0327722691583246	0.0953006577162466	0.105415997804536
DLBC	TDRD3	cg26737458	-0.323607312985947	48	-2.31962730597398	0.0248536698929669	0.104721693017985	0.0858288451925897
DLBC	TDRD5	cg05378938	-0.335170335548263	48	-2.41279796558123	0.019873746001804	0.112339153831535	0.0724445960200213
DLBC	TDRD5	cg07171496	-0.322365966239577	48	-2.30969515923268	0.0254455267143081	0.103919816189576	0.0873492765516232
DLBC	TDRD5	cg07901138	-0.260727136720474	48	-1.83169102856112	0.0734773053230749	0.067978639822457	0.191039520413866
DLBC	TDRD5	cg09656934	-0.0454953905112461	48	-0.308884586122782	0.758804003795171	0.00206983055777078	0.865670691742817
DLBC	TDRD5	cg11853788	-0.313819923856774	48	-2.24167400084648	0.0298483560111805	0.0984829446094713	0.098290848608778
DLBC	TDRD5	cg12277666	-0.247504655251558	48	-1.73256402110931	0.0898738689049482	0.0612585543711927	0.220595648482532
DLBC	TDRD5	cg13848905	-0.19222315663831	48	-1.32849567449363	0.190567753139534	0.0369497419479964	0.370857480618809
DLBC	TDRD5	cg15545772	-0.237065302666192	48	-1.65503397707026	0.10472564921932	0.056199957728213	0.246185814382733
DLBC	TDRD7	cg24339935	-0.109581282393539	48	-0.747719303902834	0.458435078285218	0.0120080574510126	0.648445812363982
DLBC	TDRD9	cg07613153	0.169626502639637	48	1.16738009461894	0.249072619861573	0.0287731503977549	0.44254088326211
DLBC	TDRD9	cg08933517	0.046803555341317	48	0.31778541357377	0.752085856613068	0.00219057279258772	0.861182447566601
DLBC	TDRD9	cg16701547	0.060349443711924	48	0.410057248296035	0.683667511825061	0.00364205535633868	0.817755781819242
DLBC	TRIM24	cg00733782	-0.224237557576476	48	-1.56059440605774	0.125473729402915	0.0502824822278632	0.279143883126584
DLBC	TRIM24	cg02308366	-0.383665674482595	48	-2.8177866047035	0.00710419696335655	0.147199349776185	0.0327795906623582
DLBC	TRIM24	cg06386929	-0.276407866797006	48	-1.95068731887037	0.0572017835928326	0.0764013088272711	0.159001499185162
DLBC	TRIM24	cg06650216	-0.0422317181733584	48	-0.286685216623706	0.775640703865872	0.00178351801987397	0.875777484673822
DLBC	TRIM24	cg10571650	-0.145238090162858	48	-0.995609364570307	0.324648587100705	0.0210941028341545	0.524031791366578
DLBC	TRIM24	cg10703331	-0.274020586545985	48	-1.93246542221823	0.0594733009759781	0.0750872818510054	0.163640499562622
DLBC	TRIM24	cg13935558	-0.320465561022626	48	-2.29451554973295	0.0263744265631116	0.102698175801546	0.0896604128570151
DLBC	TRIM24	cg26889928	-0.158438261396021	48	-1.08832735750541	0.282119964452415	0.025102682674194	0.479239246104707
DLBC	TRIM33	cg00760200	-0.597388498625464	48	-5.05227995674606	7.37427558383159e-06	0.356873018289986	9.99258656625317e-05
DLBC	TRIM33	cg02852257	-0.500478507869508	48	-3.92077905195355	0.000291717783424588	0.250478736839289	0.00238807673826501
DLBC	TRIM33	cg05792124	-0.23069018113924	48	-1.60798880318642	0.114680641104938	0.0532179596740552	0.26241920740411
DLBC	TRIM33	cg16036305	-0.683556167095161	48	-6.35171493370219	8.58414254808979e-08	0.467249033573827	1.89230599429328e-06
DLBC	TRIM33	cg17645130	-0.478585490861742	48	-3.69678052731168	0.0005799749027538	0.229044072063374	0.00425085430420474
DLBC	TRIM33	cg18199720	0.0985414146220908	48	0.671609145781895	0.505191609022184	0.00971041039572282	0.688353873126279
DLBC	TRIM33	cg20932765	-0.543389621894822	48	-4.39015221767266	6.57808416596616e-05	0.295272281182998	0.000674045679145378
DLBC	TRIM33	cg20992663	-0.151651825912393	48	-1.04058819455251	0.3035053171383	0.0229982763025627	0.501985598840373
DLBC	TRIM33	cg21666217	0.023314557458502	48	0.158170016063698	0.875015156991818	0.000543568589485793	0.933872894088728
DLBC	TRIM33	cg21813112	0.0407430307467283	48	0.276562320350216	0.783355090278451	0.00165999455442885	0.880475637838863
DLBC	TRIM66	cg06492264	-0.0712255317335568	48	-0.484305079748962	0.63046736914148	0.0050730763707279	0.781930307134194
DLBC	TRIM66	cg11245569	0.206509854061765	47	1.4158290896888	0.163710060831875	0.0426463198246116	0.33487845023616
DLBC	TRIM66	cg12608775	-0.0320358208174221	48	-0.217389089239063	0.828866519513393	0.00102629381544598	0.907998049794771
DLBC	TRIM66	cg13143389	0.0795675171005938	48	0.541369580532862	0.590865357030676	0.00633098977755329	0.753735071245644
DLBC	TRIM66	cg27044202	0.13690688953404	48	0.937374090721333	0.353461861270466	0.0187434964018857	0.552518979156362
DLBC	UBE2A	cg00142683	0.0121039361000045	48	0.0820989029061101	0.934924265973231	0.000146505269112992	0.965376935852423
DLBC	UBE2A	cg00428314	0.036095522443872	48	0.244971381123957	0.807568149771965	0.00130288674049607	0.895846974722796

DLBC	UBE2A	cg00935924	-0.00776230436301356	48	-0.0526480957558748	0.958240271296279	6.02533690240593e-05	0.978028649504365
DLBC	UBE2A	cg05206294	0.0529152342261907	48	0.35939208523515	0.720946396054526	0.00280002201321262	0.841902278313238
DLBC	UBE2A	cg06206449	0.0262480301790868	48	0.178084159001432	0.859438835054063	0.000688959088282251	0.925319273951536
DLBC	UBE2A	cg06273903	0.0284104409607153	48	0.192766797430782	0.847990174658845	0.000807153155582287	0.918845987149665
DLBC	UBE2A	cg09080960	0.0231509357651255	48	0.15705938064873	0.875885401330312	0.000535965826800969	0.934340215710097
DLBC	UBE2A	cg14625604	0.0247827886580374	48	0.168136692164271	0.867212826955686	0.000614186613668949	0.929421999258692
DLBC	UBE2A	cg15661671	0.00461447941582358	48	0.0312972553130339	0.975167881730389	2.12934202790595e-05	0.986918142695769
DLBC	UBE2A	cg16211147	0.0158936413726512	48	0.107809538049864	0.914615645539201	0.000252607836082449	0.954910976135513
DLBC	UBE2A	cg17976175	0.0105797520669218	48	0.0717593858253275	0.943104491783182	0.000111931153797536	0.969686210931503
DLBC	UBE2A	cg18990292	0.0152445296795405	48	0.103405446912201	0.91809070080084	0.000232395685150392	0.956864848858423
DLBC	UBE2A	cg25165659	-0.00364969732474372	48	-0.0247536164581723	0.980358561344481	1.33202905622415e-05	0.989850663498501
DLBC	UHRF2	cg06523306	-0.0104119150664419	48	-0.0706208717734962	0.944005635275243	0.0001084079753508	0.970109658306629
DLBC	UHRF2	cg08487038	0.0878545164102923	48	0.598171259831627	0.552659636077969	0.00771841605368632	0.724865731512584
DLBC	UHRF2	cg13428749	-0.194268920233473	48	-1.34318588373655	0.185801458733996	0.0377404133686794	0.36457960486086
DLBC	UHRF2	cg14078101	-0.265025008938976	48	-1.86414605943579	0.0686901977873452	0.0702382553631044	0.181809224366022
DLBC	UHRF2	cg20595300	0.0514329024756512	48	0.349297228093874	0.728460179873325	0.00264534345706985	0.846487986512696
DLBC	UHRF2	cg24119045	-0.26281212066437	48	-1.84742085788506	0.0711230537905991	0.0690702107681036	0.186508017480815
DLBC	USP27X	cg00478198	0.0490642822077208	48	0.333171416360991	0.740518741151289	0.00240730378855887	0.853981958390752
DLBC	USP27X	cg01125381	-0.139140738458557	48	-0.952968290388214	0.345587097964022	0.0193601450987925	0.544873486532765
DLBC	USP27X	cg01290688	-0.320138292835507	48	-2.29190459842294	0.0265372164896615	0.102488526539633	0.0900972059795904
DLBC	USP27X	cg01855997	0.347613538202432	48	2.51443518582947	0.01548293894409	0.120835171941614	0.0598396837441956
DLBC	USP27X	cg06455206	-0.120695546229651	48	-0.824625387055964	0.413840019865886	0.0145674148796738	0.609425273131359
DLBC	USP27X	cg06624970	0.356845346082514	48	2.59081301455252	0.0127851755050952	0.127338601020749	0.0516949034949779
DLBC	USP27X	cg16810342	0.376616445881709	48	2.75736367090088	0.00832921319747202	0.14183994730857	0.0370603301009002
DLBC	USP27X	cg16867483	-0.0205933312676783	48	-0.139700393691657	0.889506598678876	0.000424085292700338	0.941467059185646
DLBC	USP27X	cg19318186	-0.180217018737822	48	-1.24263714489402	0.220298917534653	0.0324781738427485	0.40845811807618
DLBC	USP51	cg00834229	0.247485181564867	48	1.73241880835567	0.0898999585358804	0.0612489150941952	0.220627697225158
DLBC	USP51	cg01084827	0.206165037290154	48	1.42897770747419	0.159766591425156	0.0425040226008506	0.32947502852729
DLBC	USP51	cg02714202	0.238872580581484	48	1.66841164678947	0.102027901857307	0.0570601097536575	0.241684437047817
DLBC	USP51	cg03728850	0.265911833376421	48	1.87085762683168	0.0677339790857578	0.0707091031296093	0.180011518481738
DLBC	USP51	cg07386410	0.178723120137115	48	1.23199502483207	0.22421156269631	0.0319419536715455	0.413372395959404
DLBC	USP51	cg12064531	0.11524032983668	48	0.786840156966779	0.435410654366704	0.0132803336208669	0.628668331153967
DLBC	USP51	cg12517811	0.182136642245475	48	1.25632507105573	0.215341138680965	0.0331737564484562	0.402388752463178
DLBC	USP51	cg18770944	0.0655627538494864	48	0.44562702088828	0.657957031145774	0.00429847469232835	0.800928479134825
DLBC	USP51	cg21331369	0.191813921896474	48	1.32555920959298	0.191531556368198	0.0367925806333065	0.371985976135085
DLBC	USP51	cg25424556	0.212501642314583	48	1.47494290985622	0.147039933427507	0.0451569479863951	0.311540283276397
DLBC	WDR82	cg01736403	-0.512649848107728	48	-4.04958008400938	0.000195059702347266	0.262809866764877	0.00170003075110948
DLBC	WDR82	cg03869063	-0.451164301840346	48	-3.42873701462015	0.00128906115376905	0.203549227255087	0.00828770441291816
DLBC	WDR82	cg10989431	-0.0864481723001022	48	-0.58852325648277	0.559059971210337	0.00747328649402815	0.729923066068907
DLBC	WDR82	cg11442381	-0.445124042007537	48	-3.37139354350723	0.00152369207534848	0.198135412773128	0.00952310607452876
DLBC	WDR82	cg11665333	-0.674838291509365	48	-6.20215326205462	1.44020037007635e-07	0.455406719687279	3.0166652555121e-06
DLBC	WDR82	cg12661343	-0.574572049378982	48	-4.76133931657505	1.94894921998626e-05	0.330133039927563	0.000234084538551198
DLBC	WDR82	cg13539115	-0.556403976601813	48	-4.54165513006943	4.01816218172616e-05	0.309585385178311	0.000439832431075284
DLBC	WDR82	cg15991175	-0.0825674667178074	48	-0.561918488621201	0.576899456755227	0.00681738656019622	0.74353975941974
DLBC	WDR82	cg17632831	-0.287789655928365	48	-2.0381093958373	0.0473126064926994	0.082822886059367	0.138573110113968
DLBC	WDR82	cg24007312	-0.238833932727466	48	-1.66812537937902	0.102085026826797	0.0570416474220679	0.241738785369653
DLBC	WDR82	cg26236504	-0.0509177369749494	48	-0.345789434669954	0.731077460410972	0.00259261593865012	0.84806026950991
DLBC	WDR82	cg26858096	-0.476023029637325	48	-3.67116761310393	0.000626695600915405	0.226597924745097	0.00453897752328582
DLBC	ZMYND1	cg00614684	-0.430148588628461	48	-3.23166268089605	0.00227699675268308	0.185027808299057	0.0132043746088876
DLBC	ZMYND1	cg02813021	-0.535417312261496	48	-4.29958558154975	8.80913492674324e-05	0.286671698269324	0.000862660929621178
DLBC	ZMYND1	cg02867818	-0.3891469181653	48	-2.86516763509364	0.00626282453013867	0.15143532391755	0.0296705847600622
DLBC	ZMYND1	cg03254875	-0.408153267553197	48	-3.03230305009745	0.00397920846102356	0.166589089814352	0.0206703086950365
DLBC	ZMYND1	cg05236965	-0.534323506707564	48	-4.28728711995572	9.16405056370259e-05	0.285501609820268	0.000894027551850732
DLBC	ZMYND1	cg08828193	4.63301502440896e-05	48	0.00031422636746042	0.99975064242328	2.14648282163992e-09	0.99985346304832
DLBC	ZMYND1	cg12639781	-0.646013495888414	48	-5.73998104958238	7.09196110903171e-07	0.41733343686997	1.25904158492929e-05
DLBC	ZMYND1	cg13939078	0.00968273996208827	48	0.0656746163125477	0.947921482288417	9.37554531734211e-05	0.972293178012039
DLBC	ZMYND1	cg14255089	-0.518755347542668	48	-4.11542445612635	0.000158480890249911	0.269107110604114	0.00142695166390065

DLBC	ZMYND1	cg14694828	-0.585113014483801	48	-4.89354574172332	1.25535471898727e-05	0.34235723971832	0.000159991915152188
DLBC	ZMYND1	cg17632565	-0.471370596090249	48	-3.62497244151925	0.000720248648341076	0.222190238858477	0.00510672834023384
DLBC	ZMYND1	cg22593633	-0.661949743772363	48	-5.98969014170019	3.00065966006878e-07	0.438177463280297	5.82127974053344e-06
DLBC	ZMYND1	cg24757747	-0.331991260139065	48	-2.38706259088962	0.0211506805670763	0.110218196808724	0.0760198132864305
ESCA	ACTL6A	cg03667091	0.0151859581885356	186	0.205455526381239	0.837444606250389	0.000230613326103951	0.912981554765472
ESCA	ACTL6A	cg03839554	-0.465753373855392	186	-7.12000353170691	2.3812844650082e-11	0.216926205257681	1.05319419705209e-09
ESCA	ACTL6A	cg07261848	-0.464375139655613	186	-7.09313082298882	2.7735722246616e-11	0.21564427033017	1.21217571710857e-09
ESCA	ACTL6A	cg10112003	0.200393365659236	186	2.76699832752801	0.00623861273454042	0.0401575010002363	0.029582129724253
ESCA	ACTL6A	cg20132173	0.058396250808468	186	0.791320240136213	0.429781566649585	0.0034101221084855	0.623823180758599
ESCA	ACTL6A	cg22619386	0.194183656699395	186	2.67783998856609	0.00808400951121631	0.0377072925291485	0.0362199755753937
ESCA	ACTL6A	cg25198545	0.385770810644233	186	5.65645033571562	5.86493094725007e-08	0.148819118345109	1.34747914385816e-06
ESCA	ACTL6A	cg25575835	-0.00265852664475979	186	-0.0359640089400554	0.971350256403786	7.06776392089774e-06	0.984832616698721
ESCA	ACTL6B	cg05729836	0.081076235640107	186	1.10040161535489	0.272602546306618	0.00657335598557016	0.468989109307428
ESCA	ACTL6B	cg08572611	-0.149804941954376	186	-2.04965285556887	0.0418250626851682	0.022441520633954	0.126486507795443
ESCA	ACTL6B	cg09375063	-0.0767447688024935	186	-1.0412548881055	0.299130945386033	0.00588975953854818	0.497426205920248
ESCA	ACTL6B	cg14088161	0.0534757696209748	186	0.722461309619086	0.470938201882568	0.00285965793655557	0.659350775272703
ESCA	ACTL6B	cg16024950	-0.0652345281143754	186	-0.88436006195507	0.377662298760102	0.00425554365830523	0.576233885179135
ESCA	ACTL6B	cg20497359	0.0114693135060962	186	0.155164203162251	0.876862877941377	0.000131545152301121	0.934831721619453
ESCA	ACTL6B	cg24471254	-0.395562935269034	186	-5.82627364653557	2.50755302643736e-08	0.156470035758654	6.30282972984387e-07
ESCA	ACTL6B	cg26990587	-0.157147331940562	186	-2.15259533458711	0.0326599688843882	0.0246952839360371	0.105154772758551
ESCA	AEBP2	cg02664216	0.048326560443473	186	0.65451433382914	0.513602247919436	0.00233545644429665	0.695211116276528
ESCA	AEBP2	cg07849438	-0.175039921831834	186	-2.40502656812626	0.0171679175338115	0.0306389742348946	0.064761751443828
ESCA	AEBP2	cg08161947	-0.24608760208219	186	-3.43463466763892	0.000734026434593493	0.060559107898562	0.00518645344711773
ESCA	AEBP2	cg24304000	-0.0735520310420278	186	-0.997695811161614	0.319744278180876	0.00540990127040741	0.519109843621325
ESCA	AEBP2	cg26259627	-0.137963105924117	186	-1.8843496446711	0.0611032078564323	0.0190338185962291	0.166799879008467
ESCA	AFF4	cg00931577	0.0527457503650031	186	0.714525924022104	0.475812487994426	0.00278211418156722	0.663571702180603
ESCA	AFF4	cg01907658	-0.13596711991626	186	-1.85657042495407	0.0649797447329518	0.0184870576983227	0.174552288044035
ESCA	AFF4	cg05619425	0.221326122056057	186	3.07018534008308	0.00246508229462765	0.0489852523043725	0.0140737275817014
ESCA	AFF4	cg06638012	0.0122625168304557	186	0.165896726317959	0.868421361200682	0.00015036931901721	0.930114978842496
ESCA	AFF4	cg13393914	-0.228250422879698	186	-3.17143251474435	0.0017789319825218	0.0520982555447611	0.0108075153961968
ESCA	AFF4	cg13565585	-0.259641845070423	186	-3.63710433572622	0.000358374070895334	0.0674138877115738	0.00283557287136204
ESCA	AICDA	cg07999668	0.0691015345554274	186	0.937028074736639	0.349979082247334	0.00477502207791493	0.549005338045433
ESCA	AIRE	cg08089567	-0.164948088798834	186	-2.26236570619161	0.0248503063643384	0.0272078719983881	0.0858248494254093
ESCA	AIRE	cg09510531	-0.093954498579027	186	-1.27664012579572	0.203346969727381	0.00882744780323639	0.387180453810793
ESCA	AIRE	cg11923631	-0.0627261500664133	186	-0.850217899431827	0.396314958920227	0.0039345699021542	0.592985892335656
ESCA	AIRE	cg12843033	-0.0627234971910821	186	-0.85018179915967	0.396334973557803	0.00393423709987969	0.59298938230514
ESCA	AIRE	cg15955655	-0.0866608230829755	186	-1.17675297808453	0.240822469927984	0.00751009825741878	0.432958406914043
ESCA	AIRE	cg16501323	-0.0240296379178712	186	-0.32516080782608	0.74543081282809	0.000577423498463991	0.857002825017888
ESCA	AIRE	cg16717549	-0.0496630294694757	186	-0.672659050891248	0.50201270173367	0.00246641649608601	0.685751995060038
ESCA	AIRE	cg17356252	-0.00999234007597424	186	-0.135180619901823	0.892617641646057	9.98468601939209e-05	0.943103468755705
ESCA	AIRE	cg18689454	-0.0306244254001921	186	-0.414473951913286	0.679012471640984	0.000937855431091931	0.814756315747207
ESCA	AIRE	cg18876487	-0.0902400755773706	186	-1.22574610891743	0.221869315416341	0.00814327124020956	0.410299563200168
ESCA	AIRE	cg23272544	-0.0992160560572921	186	-1.34882514734473	0.179059859000349	0.00984382577956373	0.35580300335149
ESCA	AIRE	cg27251412	-0.0939480739645096	186	-1.27655205167372	0.203378011890679	0.00882624060164096	0.387195659953587
ESCA	ARID1A	cg04081153	-0.178980560203733	186	-2.46094192858228	0.0147845106089949	0.0320340409308422	0.0577382639716943
ESCA	ARID1A	cg04360147	0.101589460690077	186	1.3814236743898	0.168833053016789	0.0103204185233007	0.342089871500445
ESCA	ARID1A	cg14851949	-0.0683681510813492	186	-0.927036321264046	0.355128686779841	0.0046742040822822	0.554003729901768
ESCA	ARID1A	cg17385674	0.0895075887111346	186	1.21571593005772	0.225659115269204	0.00801160843688163	0.415044074123226
ESCA	ARID1A	cg20413923	-0.0299663194680649	186	-0.405558988852008	0.685540425832062	0.000897980302462124	0.819030325041761
ESCA	ARID1A	cg21294655	0.0646370282235267	186	0.876225838327886	0.382055989778924	0.00417794541756898	0.580501243532454
ESCA	ARID1A	cg24542126	-0.193613041483214	186	-2.66966413372906	0.00827576397566388	0.0374860098323807	0.0368855387935682
ESCA	ARID1A	cg25601319	-0.167214859423569	186	-2.29434395460608	0.0229062748839751	0.0279608092120439	0.0806650105619464
ESCA	ARID2	cg00035453	-0.159334460844386	182	-2.15933605052307	0.03215478774159	0.0253874704125711	0.103954185162667
ESCA	ARID2	cg01183821	-0.326315507030133	186	-4.66994277121456	5.81538426043979e-06	0.106481810128333	8.13672667547936e-05
ESCA	ARID2	cg01353809	-0.405926649792679	186	-6.00857854082448	9.89553436983378e-09	0.164776445011909	2.70584604838963e-07
ESCA	ARID2	cg01751433	-0.0547843274513037	186	-0.742223307818807	0.458903636871655	0.00300132253429166	0.648818667226316
ESCA	ARID2	cg06613666	0.0326063639489462	186	0.441325381170345	0.659498441377108	0.00106317496997114	0.801803831223386

ESCA	ARID2	cg07276957	-0.194091900050355	186	-2.6765250960976	0.00811457552367014	0.037671665665157	0.0363160757780328
ESCA	ARID2	cg23465749	-0.239593725058628	184	-3.32010788873877	0.0010882135028242	0.0574051530874694	0.00720358077252434
ESCA	ARID4A	cg02136725	-0.0835471162123382	186	-1.13416969162014	0.258206880139144	0.00698012062739794	0.452775809970799
ESCA	ARID4A	cg06154646	0.152483568342626	186	2.08716679466578	0.0382583288632319	0.0232512386145004	0.118457107922965
ESCA	ARID4A	cg08066755	-0.13071705815824	186	-1.78361148193917	0.0761440574301957	0.0170869492935446	0.195996005577425
ESCA	ARID4A	cg08790491	-0.217762045991288	186	-3.01826295953554	0.00290490120701355	0.047420308674312	0.0160397391226071
ESCA	ARID4A	cg10064886	0.224945413717085	186	3.12304451530344	0.00208114052623679	0.0506004391523507	0.0122837819497773
ESCA	ARID4A	cg10242170	-0.00158127519165178	186	-0.0213911210448326	0.982956962070713	2.50043123173339e-06	0.99118776776234
ESCA	ARID4A	cg10844118	-0.125165590912477	186	-1.7066298973602	0.0895871299388919	0.0156664251484696	0.220151662711759
ESCA	ARID4A	cg12203852	0.17549326032709	186	2.41145304855561	0.0168777016338567	0.0307978844202317	0.0638766198445266
ESCA	ARID4A	cg14272338	-0.178066981060294	186	-2.44796799249197	0.0153096810324461	0.0317078497439271	0.0593246327076165
ESCA	ARID4A	cg14460816	-0.0386790913865965	186	-0.523632892717902	0.601167438431651	0.00149607211049268	0.760949896766168
ESCA	ARID4A	cg17323045	0.218961779296184	186	3.0357267021321	0.00274949444262486	0.047944260792551	0.0153597853635163
ESCA	ARID4A	cg19548283	-0.234957374781423	186	-3.26998548933521	0.00128506893353239	0.055204967964178	0.00826913988638533
ESCA	ARID4A	cg20996579	-0.137347307755237	186	-1.87577676842294	0.0622783868040761	0.0188642829476117	0.16917678689281
ESCA	ARID4A	cg26429530	-0.140463631667355	186	-1.91918388757682	0.0565169371704898	0.0197300318211823	0.157649202561622
ESCA	ARID4A	cg27026909	-0.218537744961088	186	-3.0295526609526	0.00280353928081706	0.0477587459726777	0.0155996377091683
ESCA	ARID4B	cg05652840	0.103610640122989	186	1.40920318419958	0.160472099177127	0.0107351647466955	0.330363249798492
ESCA	ARID4B	cg06212607	-0.0104735923208785	181	-0.139742815123414	0.889021189372468	0.000109696136103965	0.941131349876816
ESCA	ARID4B	cg06891548	-0.0576942837654378	186	-0.781776010659262	0.435356515177247	0.00332863037920686	0.628668040351076
ESCA	ARID4B	cg07814876	-0.165635637494602	186	-2.27206131302308	0.0242462056396258	0.0274351644082433	0.0842358575173745
ESCA	ARID4B	cg10107779	-0.010209754429127	186	-0.13812219696113	0.890295707121415	0.000104239085503078	0.941911088381816
ESCA	ARID4B	cg11732257	-0.203160426690911	186	-2.80683862676406	0.005545074264706	0.0412741589732328	0.026935630093171
ESCA	ARID4B	cg22596515	0.225099668907733	186	3.12530039329536	0.00206605665068349	0.0506698609423709	0.0122123555264244
ESCA	ARID4B	cg23687319	-0.265546641889034	186	-3.72601990150317	0.000259041014039119	0.070515019018543	0.00215619908475917
ESCA	ARID4B	cg26020585	0.126477268999136	186	1.72480380890898	0.0862512132382645	0.0159964995734798	0.214330380203717
ESCA	ASH1L	cg03119126	0.0521721634460552	186	0.706734443261184	0.480630418470491	0.0027219346386419	0.667881010325539
ESCA	ASH1L	cg08095278	0.130044532856761	186	1.77427671754484	0.0776801287226559	0.0169115805259331	0.198758319097826
ESCA	ASH1L	cg09410084	0.243418219496617	186	3.39501794049225	0.000841506144520155	0.0592524295829033	0.00581076948400505
ESCA	ASH1L	cg10558228	0.0115580161054157	175	0.15159208590829	0.879686332741655	0.000133587736293048	0.936199602852394
ESCA	ASH1L	cg17038116	-0.0133464445236485	186	-0.180563437388388	0.85691006206769	0.000178127581422827	0.923827400164829
ESCA	ASH1L	cg20064047	-0.0549277128779069	186	-0.744171778258593	0.457727041573143	0.00301705364199778	0.647896970017123
ESCA	ASH1L	cg21852905	0.0242159473690476	186	0.327683356898188	0.743525662343895	0.000586412106980485	0.855914342863626
ESCA	ASH1L	cg23821590	-0.100115135277894	186	-1.36117116307372	0.175133335545686	0.010023040311711	0.350717499560869
ESCA	ASH1L	cg24312492	0.0560379374450596	186	0.75926023773563	0.448673790341259	0.00314025043309642	0.639984760369789
ESCA	ASH1L	cg26185843	-0.0742566095081626	186	-1.0073057974256	0.315117883616659	0.00551404405564774	0.514249646278044
ESCA	ASH2L	cg00590869	0.169213267019752	186	2.32256732446885	0.0213025111284588	0.0286331297354981	0.0764183136921203
ESCA	ASH2L	cg01642070	-0.280986338490282	186	-3.96068159108685	0.000106944634333689	0.0789533224181753	0.00102044043706059
ESCA	ASH2L	cg02897270	-0.0650133538758491	186	-0.881348936770469	0.379285082057808	0.00422673618218638	0.577791992355242
ESCA	ASH2L	cg03189282	-0.385873192570265	186	-5.65821412330068	5.81388617304615e-08	0.148898120744368	1.3369360359029e-06
ESCA	ASH2L	cg03705346	-0.059593636047132	186	-0.807603102761946	0.420367586316183	0.00355140145731803	0.615572763803207
ESCA	ASH2L	cg10062221	0.00316620690550088	186	0.0428318678104572	0.965882258045955	1.00248661684414e-05	0.982059587364562
ESCA	ASH2L	cg21453287	0.0519915852333388	186	0.704281653370142	0.482152650121711	0.00270312493507553	0.669233291130502
ESCA	ASH2L	cg24318412	0.013603836474366	186	0.184046319774245	0.85418089777563	0.00018506436682129	0.92216741958416
ESCA	ASH2L	cg27255459	-0.0100251750089875	186	-0.135624869395124	0.892266913198731	0.000100504133960828	0.942910529635747
ESCA	ASXL1	cg00174466	-0.0648667756840016	186	-0.879353453995941	0.380362884926514	0.00420769858763858	0.578753892658932
ESCA	ASXL1	cg04218270	-0.144624891880626	186	-1.97723684660866	0.0495165258748672	0.0209163593514829	0.143274887075408
ESCA	ASXL1	cg09065199	0.0692367553145543	186	0.93887051380413	0.349034757943699	0.00479372828648746	0.54811200990642
ESCA	ASXL1	cg10421984	-0.138492116560179	186	-1.89171608080894	0.0601082558356232	0.0191800663493183	0.164893915455126
ESCA	ASXL1	cg12592359	-0.350474751408365	186	-5.06222014595023	1.00486927262822e-06	0.122832551374755	1.71732865102899e-05
ESCA	ASXL1	cg16926526	0.138521057267121	186	1.89211912569699	0.0600542113981117	0.019188083306401	0.164774708902222
ESCA	ASXL1	cg18793288	-0.15354275637887	186	-2.10201357530039	0.0369205121965786	0.023575378036421	0.115395513291307
ESCA	ASXL1	cg24727216	-0.284747993386185	186	-4.0183494393569	8.55210483884398e-05	0.0810814197374588	0.000840558994103637
ESCA	ASXL2	cg05165989	0.0688782402001274	186	0.933985709853281	0.351541990880808	0.00474421197306644	0.550502388151326
ESCA	ASXL2	cg05496738	-0.0483990181651993	186	-0.655497972739596	0.512970389677352	0.00234246495935529	0.694711038125812
ESCA	ASXL2	cg06583696	0.0614622917232465	186	0.833021376352694	0.405918544508718	0.00377761330387346	0.602266311632424
ESCA	ASXL2	cg09476286	-0.0866018881547137	186	-1.17594666110084	0.241143731694351	0.00749988703196154	0.433335692486438

ESCA	ASXL2	cg19084174	0.0630501627819347	186	0.854627193995287	0.393874995768646	0.00397532302682846	0.5906037165981
ESCA	ASXL2	cg20667782	0.172522612693525	186	2.36937002882873	0.0188597092669402	0.0297640518906	0.0696101068801228
ESCA	ASXL2	cg24738909	-0.0548708371243649	186	-0.743398885793452	0.458193552832561	0.00301080876672858	0.648230469509683
ESCA	ASXL3	cg09963640	-0.104074372591762	186	-1.41557929536602	0.158598325576034	0.0108314750303688	0.327789536128108
ESCA	ASXL3	cg12361352	-0.0538720697459734	174	-0.705493208720838	0.481463294518828	0.00290219989871502	0.668707138487042
ESCA	ASXL3	cg17880622	-0.121320586445369	186	-1.65340757247175	0.0999623655926221	0.0147186846954481	0.238176792309723
ESCA	ASXL3	cg20034091	-0.128636818043895	186	-1.75474544658071	0.0809764341331892	0.0165474309564581	0.204674790985682
ESCA	ASXL3	cg20329085	-0.141116784605405	186	-1.92828895050719	0.0553669482351383	0.0199139468973683	0.155349360564248
ESCA	ASXL3	cg24880056	-0.145325676795082	186	-1.98702381415469	0.0484117367553249	0.0211195523359486	0.14083776407553
ESCA	ASXL3	cg27109877	-0.110208285432225	180	-1.47521210815253	0.141932121012462	0.0121458661779108	0.304181035897503
ESCA	ATAD2B	cg08192560	-0.0559637381326452	186	-0.7582517476837	0.449275682333016	0.00313193998577929	0.640492670175883
ESCA	ATAD2B	cg14009731	-0.211286260942326	186	-2.9242446485386	0.00388946002316141	0.0446418840629885	0.0203126109721951
ESCA	ATAD2B	cg15717719	0.027251100918373	186	0.368783018956834	0.712715761017818	0.000742622501263347	0.836505756872285
ESCA	ATAD2B	cg16929802	-0.0298755363989801	186	-0.404329247213604	0.686442774385896	0.000892547675126786	0.819519844282975
ESCA	ATAD2B	cg17933838	-0.0450893522022692	186	-0.610578434748766	0.542236259360027	0.00203304968202028	0.716905634953331
ESCA	ATAD2B	cg19614157	-0.091066617627494	186	-1.23706662492594	0.217647441283344	0.0082931288461122	0.405167488004295
ESCA	ATAD2B	cg20806130	-0.267404552792707	186	-3.75408933310444	0.000233526779422788	0.0715051948542677	0.00197617559865293
ESCA	ATAD2B	cg27610867	-0.258871166431955	186	-3.6255318716939	0.00037367598965646	0.0670142808098407	0.00293693169724537
ESCA	ATAT1	cg01245721	-0.332572057837383	186	-4.77049844927942	3.74328732041384e-06	0.110604173654191	5.51107671847604e-05
ESCA	ATAT1	cg05093836	0.00613727283671796	186	0.0830250516963472	0.933922365389724	3.76661178723161e-05	0.96488029553412
ESCA	ATAT1	cg06814856	-0.0870856946370442	186	-1.1825662182137	0.238515287080224	0.00758391821041651	0.430212340438649
ESCA	ATAT1	cg07142893	-0.157431195377665	186	-2.15658240889983	0.0323429511551326	0.0247845812780406	0.104387883165519
ESCA	ATAT1	cg07816366	-0.113809229496907	186	-1.5496513912899	0.122952862787065	0.0129525407186798	0.275283342187789
ESCA	ATAT1	cg08081524	-0.148543215683993	186	-2.03199853582449	0.0435994775612388	0.0220650869257413	0.130473063448185
ESCA	ATAT1	cg08188471	-0.230487175977062	176	-3.11546833485349	0.00215040878556188	0.053124338289881	0.0125932137769138
ESCA	ATAT1	cg08635134	-0.0960747638678071	186	-1.30571539777045	0.193288409446399	0.00923036025225489	0.374294248216318
ESCA	ATAT1	cg09532691	-0.400547863776793	186	-5.91362431537417	1.60968996592415e-08	0.160438591176152	4.21914491944417e-07
ESCA	ATAT1	cg12907138	-0.0316051501405327	186	-0.427760241509613	0.669328637094766	0.000998885515405612	0.808277037919501
ESCA	ATAT1	cg13542073	-0.308703964843388	186	-4.39051039926458	1.90916246210828e-05	0.0952981379100275	0.000230073675061198
ESCA	ATAT1	cg13964084	0.0166041627962731	186	0.224647920605655	0.822503819268276	0.000275698222165138	0.904585595761027
ESCA	ATAT1	cg15381130	-0.0831882290666994	186	-1.12926369897649	0.260264710705697	0.00692028145525365	0.455388608097861
ESCA	ATAT1	cg15729859	-0.124522954598084	186	-1.69772919616432	0.0912587040096086	0.0155059662218365	0.22306153956463
ESCA	ATAT1	cg18298197	-0.197982925118057	186	-2.73234893427104	0.00690481817293695	0.039197238638302	0.0320707758639595
ESCA	ATAT1	cg20629923	0.0457199310829842	186	0.619135195209988	0.536597291830573	0.00209031209823282	0.712696334778864
ESCA	ATAT1	cg22759096	-0.358381357675886	186	-5.19303933177169	5.47535239746937e-07	0.128437197529611	1.00296526641768e-05
ESCA	ATAT1	cg23328390	-0.0155846136066718	186	-0.210850352402049	0.833238648247741	0.00024288018126926	0.910560310751598
ESCA	ATAT1	cg26934609	-0.0893303623210034	186	-1.21328941136573	0.226582909699385	0.00797991363240175	0.416127835420473
ESCA	ATF7IP	cg00236831	0.0538966724410136	186	0.7301619478633	0.466224870330055	0.00290485130021391	0.655477300580454
ESCA	ATF7IP	cg11409060	-0.180520538949448	181	-2.44867311136972	0.0153074988181662	0.032587664982599	0.0593246327076165
ESCA	ATF7IP	cg12526346	-0.194859031617273	186	-2.68752050612363	0.00786215606614975	0.0379700422028213	0.0354505633229035
ESCA	ATF7IP	cg12948116	-0.170004745037595	186	-2.33375344363059	0.020694681325038	0.0289016133352976	0.074758364465833
ESCA	ATF7IP	cg17439009	0.0670219978247861	186	0.908699995110649	0.364703669270885	0.00449194819242563	0.563647434187444
ESCA	ATF7IP	cg19789919	0.0838706248909542	186	1.13859244090441	0.256361519159132	0.00703428171959914	0.450616566981461
ESCA	ATF7IP	cg21275967	0.022025782636967	186	0.298031566291466	0.766017168260308	0.000485135100770918	0.870254389678754
ESCA	ATF7IP	cg26637901	-0.0856398871941582	164	-1.09065524612665	0.277054205763622	0.00733419027862814	0.473832915216268
ESCA	ATM	cg01756564	-0.111115197448735	186	-1.51250466492763	0.132130546628758	0.0123465871040715	0.289369050574234
ESCA	ATM	cg01800843	-0.0540231632255178	186	-0.731880584176273	0.465177681804175	0.00291850216489094	0.654406636255158
ESCA	ATM	cg01991180	-0.129373203096807	186	-1.76496103184507	0.0792383369992192	0.0167374256795277	0.201598168182531
ESCA	ATM	cg02105423	0.189683654350539	186	2.61343922859324	0.00970939427022431	0.0359798887277747	0.0416321786836703
ESCA	ATM	cg03165700	0.0494117577022996	183	0.663739056523917	0.507706571431414	0.00244152179923076	0.690377993671306
ESCA	ATM	cg03569616	-0.203010315678633	186	-2.80467553107282	0.00558084942371709	0.0412131882719381	0.0270806262517869
ESCA	ATM	cg04709886	-0.302737448102032	186	-4.2969972069668	2.80831342459236e-05	0.0916499624833303	0.000321799874138662
ESCA	ATM	cg04826772	0.29943013554556	186	4.24540237588986	3.46568385487429e-05	0.0896584060728323	0.000386592213659436
ESCA	ATM	cg05033322	0.0668867816257883	180	0.891868026604593	0.373674511127316	0.00447384155625589	0.572270703361191
ESCA	ATM	cg05637308	0.0743402319574321	186	1.00844645297068	0.314571713492274	0.00552647008748481	0.513606142662035
ESCA	ATM	cg06053805	-0.237023187882002	186	-3.30043960418946	0.0011604407520917	0.0561799915937469	0.00759829373522613
ESCA	ATM	cg06081482	-0.184786490360784	186	-2.54354854667157	0.011800452270487	0.034146047019856	0.0485311386997418

ESCA	ATM	cg06750635	-0.198773770090785	186	-2.74371138090265	0.0066795684700235	0.0395110116761041	0.0312057654390703
ESCA	ATM	cg09808176	-0.0328334206842397	186	-0.444401886970971	0.657277148241611	0.00107803351382826	0.800382192013289
ESCA	ATM	cg10610482	-0.193615667996527	186	-2.66970176032412	0.00827487217202275	0.0374870268937415	0.0368839400533053
ESCA	ATM	cg10976287	-0.199354866458267	186	-2.75206382440042	0.00651825939138534	0.0397423627805933	0.0306227109785272
ESCA	ATM	cg11588932	-0.0426060746805	186	-0.576888139062084	0.564723983830955	0.00181527759968035	0.734393233114547
ESCA	ATM	cg12019961	0.0430487439284244	169	0.555158914063739	0.579533295000607	0.00185319435381506	0.745538648486526
ESCA	ATM	cg12106634	-0.086692582207783	186	-1.1771874950447	0.240649470932182	0.00751560380985322	0.432727386951857
ESCA	ATM	cg12848864	-0.0343559144454162	186	-0.465032722966159	0.642460889542166	0.00118032885738076	0.790041453653746
ESCA	ATM	cg14761454	-0.0262397384501974	171	-0.340223027786018	0.734113598875383	0.000688523873934768	0.850086085513934
ESCA	ATM	cg15370815	0.315354263661284	186	4.49541644113152	1.22945728077315e-05	0.0994483116093506	0.00015077352111129
ESCA	ATM	cg15504467	-0.0302630229357346	186	-0.409578185245532	0.682594415290705	0.000915850557208796	0.817037987831384
ESCA	ATM	cg16693212	0.0759545646499015	172	0.990269953363558	0.323457884260717	0.00576909589115607	0.522858385242451
ESCA	ATM	cg16788234	0.267810729985508	186	3.76023187479054	0.00022826977435909	0.0717225870953709	0.0019399190328262
ESCA	ATM	cg17114932	-0.129508151502596	186	-1.76683344037465	0.0789231032542423	0.0167723613056194	0.201006511525962
ESCA	ATM	cg17420659	-0.0983426408679825	186	-1.33683474119659	0.182936109981346	0.00967127501288898	0.360917342697086
ESCA	ATM	cg18042593	-0.0717636115730755	186	-0.973309658555345	0.331684195792523	0.00515001594601125	0.531396921710229
ESCA	ATM	cg18391757	-0.0616612795626684	186	-0.835728609397546	0.40439743403828	0.00380211339730554	0.60081154240812
ESCA	ATM	cg18457775	-0.24384278473185	186	-3.40131346516572	0.000823495909870979	0.0594593036657835	0.0057054868662011
ESCA	ATM	cg19288979	0.295460561106658	186	4.18369783735468	4.44597302472439e-05	0.0872969431694611	0.000479442785535638
ESCA	ATM	cg20342375	-0.289018002426442	186	-4.08405560443786	6.60980252072139e-05	0.083531405726571	0.000676582864864473
ESCA	ATM	cg22477592	-0.195177350667456	186	-2.69208452369861	0.0077594798723735	0.0380941982135672	0.035109694479813
ESCA	ATM	cg22678707	-0.117477349724697	186	-1.60028520594536	0.111260266227512	0.0138009276983388	0.256965862628122
ESCA	ATM	cg22837512	-0.0695180722569706	186	-0.942703740852955	0.347075308392241	0.00483276237032539	0.546365812128183
ESCA	ATM	cg23275463	0.0579809603750411	174	0.759477117457443	0.448612906453262	0.00336179176601209	0.639909649136842
ESCA	ATM	cg23389069	-0.0223501833197295	186	-0.302423220106034	0.762672912026113	0.000499530694425514	0.867990179793534
ESCA	ATM	cg24030675	-0.161581034515705	186	-2.21493316520888	0.0279988089888332	0.0261084307151655	0.093800411113961
ESCA	ATM	cg24568245	-0.106021465634797	185	-1.43841490366534	0.152033741179341	0.0112405511753504	0.31866653948691
ESCA	ATM	cg25400013	-0.0642301948308047	186	-0.870687845860813	0.385065338459718	0.00412551792800314	0.583176713637135
ESCA	ATM	cg25740661	0.0777521134946268	186	1.05500488853007	0.292813949994091	0.00604539115288133	0.49050750270974
ESCA	ATM	cg25918541	-0.0430363007533596	186	-0.582724174180402	0.56079633028004	0.00185212318253362	0.731376907831642
ESCA	ATM	cg27453365	-0.0970042134140596	186	-1.31846660304745	0.188995246044544	0.00940981742008042	0.36873814788928
ESCA	ATM	cg27599391	-0.161244828475835	186	-2.21020133845226	0.0283311472328197	0.0259998947102015	0.0946244748338476
ESCA	ATR	cg00911981	0.173506146999554	186	2.38329560518899	0.0181822335798466	0.0301043830466309	0.0676423260059579
ESCA	ATR	cg00969988	-0.176805219363641	186	-2.43006018162427	0.0160617513197443	0.0312600855942251	0.0614854779139939
ESCA	ATR	cg11458642	0.191646905036055	186	2.64151455204526	0.00896775981972936	0.0367285362098987	0.039230608300963
ESCA	ATR	cg11936145	-0.150449096615766	186	-2.05866993679207	0.0409427931300187	0.0226349306725002	0.12448618966453
ESCA	ATR	cg15135999	0.182909409231482	186	2.51681181499017	0.0127013633042807	0.0334558519854096	0.0514281922080473
ESCA	ATR	cg15291273	-0.110651401280245	186	-1.50611303082161	0.133762329813151	0.0122437326052819	0.291847876648323
ESCA	ATR	cg15480357	-0.0496371664878267	186	-0.672307885256383	0.502235669758711	0.00246384829694023	0.68591204124169
ESCA	ATR	cg16031872	-0.0366774924601308	186	-0.496497987910231	0.620138968439894	0.00134523845316295	0.774728058178174
ESCA	ATR	cg17945282	-0.142591150777541	186	-1.94885133090995	0.0528420622808439	0.0203322362800634	0.150177013592809
ESCA	ATR	cg20032934	-0.302966611632116	186	-4.3005785091007	2.7674215914243e-05	0.0917887677638451	0.000317628792096875
ESCA	ATR	cg20636078	0.00959977196144353	186	0.129869292263444	0.896812477495306	9.21556217117173e-05	0.945308861079764
ESCA	ATR	cg24631870	-0.0791595747600261	186	-1.07422183284276	0.284137635050301	0.00626623827618816	0.481415728653014
ESCA	ATR	cg24856922	0.32074677843933	186	4.58102028077907	8.53779861736804e-06	0.102878495879208	0.000113887089444364
ESCA	AURKB	cg02245743	0.0247216196435792	186	0.334530112882621	0.738362667131559	0.000611158477801801	0.852689781270593
ESCA	AURKB	cg04612488	-0.221161085238706	186	-3.06777820482914	0.00248403230636446	0.0489122256239621	0.014165284360161
ESCA	AURKB	cg05617798	-0.012822994455582	186	-0.173480516954359	0.862465482755958	0.000164429186807886	0.9268727401554
ESCA	AURKB	cg05811247	-0.217534279327515	186	-3.01494913261178	0.00293528759355925	0.0473211626825412	0.0161806854154752
ESCA	AURKB	cg11009596	0.0635600795848112	186	0.86156689573513	0.390053406174698	0.00403988371682754	0.587546029237185
ESCA	AURKB	cg12844497	0.0241738481308269	186	0.327113348514252	0.743956022167719	0.000584374933452282	0.856156374924415
ESCA	AURKB	cg13678641	-0.20572048132	186	-2.84376087962854	0.00496574521201316	0.0423209164345326	0.0246323926837329
ESCA	AURKB	cg21724796	-0.152996650077056	186	-2.09435780706233	0.0376052577692287	0.0234079749348011	0.117027899147907
ESCA	BAP1	cg00794529	-0.0812122068024882	186	-1.10225931664479	0.271796475796156	0.00659542253373011	0.468111648211963
ESCA	BAP1	cg02503646	-0.0178513819927172	186	-0.241527506588405	0.809416720844856	0.000318671839049908	0.897002256209645
ESCA	BAP1	cg03075736	-0.0568413452709757	186	-0.770180676164332	0.442185825623496	0.00323093853221427	0.634520594063134
ESCA	BAP1	cg05442719	0.0769674360774279	186	1.04429396246773	0.297726906452626	0.00592398621633295	0.495854569911702

ESCA	BAP1	cg05908979	-0.0672801796599109	186	-0.912216371867995	0.36285496929875	0.00452662257506988	0.561839486517793
ESCA	BAP1	cg09096430	-0.189475831810973	186	-2.61046918773951	0.0097909893629811	0.0359010908404603	0.0419035168896821
ESCA	BAP1	cg10449522	-0.0513569592603366	186	-0.695662090624663	0.487522959319856	0.00263753726446787	0.67379967097366
ESCA	BAP1	cg10956904	-0.134889017935678	186	-1.84157549911942	0.0671558998193993	0.0181950471596517	0.178866271930647
ESCA	BAP1	cg11234564	-0.0650704736808429	186	-0.882126568547023	0.378865579922314	0.00423416654504926	0.577412995150782
ESCA	BAP1	cg12859382	-0.0054402310229997	186	-0.0735951702608498	0.941412894332493	2.95961135836083e-05	0.968749930071352
ESCA	BAP1	cg16841708	-0.0187319687581208	186	-0.253445845760927	0.800208209048103	0.000350886653555214	0.890909304059132
ESCA	BAP1	cg24291822	-0.118000952377619	186	-1.60751825138202	0.109664693409455	0.0139242247620252	0.254413716610358
ESCA	BAP1	cg24747396	0.0030364743434836	186	0.0410768529167717	0.967279408621392	9.22017643863416e-06	0.982803987407168
ESCA	BAP1	cg25749966	-0.0564355671486879	186	-0.764664891402483	0.44545603293566	0.00318497323939406	0.637393441476544
ESCA	BAZ1A	cg05294307	-0.0729124234922261	185	-0.986267472157605	0.325311220214431	0.00531622149950972	0.524796488508833
ESCA	BAZ1A	cg07414384	-0.280421446678035	186	-3.95203875667755	0.000110565493295607	0.0786361877570021	0.001050865239516
ESCA	BAZ1A	cg23422263	-0.319711382260262	186	-4.56454569931114	9.16200726507357e-06	0.102215367946767	0.000121215849180125
ESCA	BAZ1A	cg26967526	-0.0096986208754556	186	-0.131206682364511	0.895755940845593	9.40632468858231e-05	0.944694399193944
ESCA	BAZ1B	cg00525989	0.227298839631692	186	3.15748880549539	0.001861559137325	0.0516647624979134	0.0112156109525953
ESCA	BAZ1B	cg04742505	0.213138642828171	186	2.95109651830636	0.00358093451233345	0.0454280810666346	0.0189840737017596
ESCA	BAZ1B	cg05166819	-0.015148277996924	186	-0.204945622258493	0.837842386209926	0.000229470326272091	0.913205237100555
ESCA	BAZ1B	cg06059318	0.279840205016113	186	3.94315042176582	0.000114410649933549	0.0783105403434599	0.00108133423653632
ESCA	BAZ1B	cg06394887	0.128906668243002	186	1.75848863052671	0.0803359742460984	0.0166169291175115	0.203621597263231
ESCA	BAZ1B	cg14093368	0.00053613383544273	186	0.00725268513720449	0.994221145479471	2.87439489506532e-07	0.997040758391084
ESCA	BAZ1B	cg15636799	-0.256226173212098	186	-3.58587107157208	0.000430920260592562	0.0656518518389161	0.00330601683950077
ESCA	BAZ1B	cg19160975	-0.253653258930029	186	-3.54737379880713	0.000494300670448157	0.0643399757658245	0.00371317365361567
ESCA	BAZ1B	cg20612831	-0.117154867193895	186	-1.59583110707859	0.112251972712175	0.0137252629072191	0.258649664272582
ESCA	BAZ1B	cg21340129	-0.154591375512158	186	-2.11671951970268	0.0356351834294626	0.023898493382741	0.112353224435098
ESCA	BAZ1B	cg25710357	0.291044527039757	186	4.11533213652394	5.84063302541712e-05	0.0847069167197961	0.000607441451309223
ESCA	BAZ2A	cg14634319	0.100930821587511	186	1.37237495344687	0.171626472385255	0.0101870307463299	0.345837344780173
ESCA	BAZ2A	cg18206859	0.0843626160201544	186	1.14531924159421	0.253572547218305	0.00711705098176402	0.447574091299703
ESCA	BAZ2A	cg18955060	-0.139716743467506	186	-1.90877527106301	0.057856053597944	0.0195207684051648	0.160276700115662
ESCA	BAZ2A	cg25683012	-0.0359951471298025	186	-0.487249079488927	0.626664972876116	0.00129565061689613	0.779264304666314
ESCA	BRD7	cg03021120	-0.0946645868165033	186	-1.28637561826036	0.199937053772062	0.00896138399713929	0.382874977965966
ESCA	BRD7	cg16433860	-0.0298987868096719	186	-0.404644194832235	0.686211632016712	0.00089393745269021	0.819364702560262
ESCA	BRD7	cg16834187	0.177845859711344	182	2.41796171826736	0.0166103535475019	0.0316291498164669	0.0630765324550601
ESCA	BRD8	cg01096096	-0.00089799197183607	186	-0.0121478151290531	0.990320917306478	8.06389581482041e-07	0.994732410190131
ESCA	BRD8	cg03204906	0.015377046695364	186	0.208041429553628	0.835427971098706	0.000236453565071405	0.911827125972916
ESCA	BRD8	cg03684156	-0.0145739028341238	186	-0.197173044012892	0.843910946567466	0.000212398643818482	0.916634971414561
ESCA	BRD8	cg07430605	0.196487238841681	186	2.71087485871623	0.0073493962749397	0.0386072350276279	0.0336468655964963
ESCA	BRD8	cg07632946	-0.208428818625194	186	-2.88288811457079	0.00441250554198206	0.043442572433494	0.0224533265393087
ESCA	BRD8	cg08976717	0.127017682285269	186	1.7322941555173	0.0849060861005757	0.0161334916131216	0.211901577174559
ESCA	BRD8	cg11110536	0.0837116406661877	186	1.13641889181213	0.257267260049921	0.00700763878302493	0.451736273247485
ESCA	BRD8	cg11346339	0.276712349921564	186	3.89539975692944	0.000137341366971083	0.0765697245991139	0.00126352108587375
ESCA	BRD8	cg12964860	-0.023172031081819	186	-0.313549616726937	0.754220231794824	0.000536943024456787	0.862650928661624
ESCA	BRD8	cg14473243	0.171038336931986	186	2.3483684135071	0.0199235356759923	0.0292541127004596	0.0725963247952293
ESCA	BRD8	cg22106577	0.100356453650661	186	1.3644854813631	0.174090361559578	0.0100714177893373	0.349267216504174
ESCA	BRD8	cg22818036	0.041082107659215	186	0.556218025221795	0.578741287215252	0.00168773956972333	0.744926284313495
ESCA	BRD8	cg23298160	0.0124702803427873	186	0.168707943878397	0.866212693547002	0.000155507891827707	0.928887590899379
ESCA	BRD8	cg26008208	-0.098011484488889	186	-1.33228938200966	0.184421808303185	0.00960625109171573	0.362854653763068
ESCA	BRD8	cg26630792	0.123392746278956	186	1.6820807370445	0.0942587533165631	0.0152257698342628	0.228271501899222
ESCA	BRD8	cg27119451	-0.0550428039059824	184	-0.74164953410501	0.459260932721875	0.00302971026183243	0.649146862170965
ESCA	BRD9	cg02364331	-0.208926511484115	186	-2.89008577063682	0.00431708879415416	0.0436502872009222	0.0220673898188073
ESCA	BRD9	cg02822723	0.33095048160548	186	4.74436924772796	4.19997087916964e-06	0.109528221274899	6.10258749671504e-05
ESCA	BRD9	cg05193570	-0.0606115158136052	186	-0.821447675586859	0.412460195664394	0.00367375584922292	0.608121606806078
ESCA	BRD9	cg07308931	-0.219824321454072	186	-3.04829110159475	0.00264246261922488	0.0483227323027431	0.0148768082935288
ESCA	BRD9	cg09497020	-0.188060672472288	186	-2.59025446378869	0.0103629013586062	0.035366816530729	0.0438255785716733
ESCA	BRD9	cg10551270	-0.404791220375099	186	-5.98847268250445	1.09737867004668e-08	0.163855932092762	2.98077780229089e-07
ESCA	BRD9	cg10600960	-0.20747956136499	186	-2.86916639982178	0.00459976656092626	0.0430477683842088	0.0231908126922033
ESCA	BRD9	cg13722821	-0.325482339912777	186	-4.65660434547218	6.16225143045851e-06	0.105938753595097	8.54520833834383e-05
ESCA	BRD9	cg17977043	-0.225504829297211	186	-3.13122676992431	0.00202691048485232	0.0508524280363644	0.0120229869812125

ESCA	BRD9	cg20079193	-0.193652869567169	186	-2.67023470460803	0.00826224994359367	0.037501433891599	0.0368424551250674
ESCA	BRD9	cg21160852	0.261751022292942	186	3.66881380570405	0.000319416692034573	0.0685135976714002	0.002575958059643
ESCA	BRD9	cg21758832	-0.0387404208203405	186	-0.524464410194914	0.600590269799318	0.00150082020533707	0.760630736334856
ESCA	BRD9	cg21910709	-0.144295800088753	186	-1.97264189161552	0.0500425325146378	0.0208212779232535	0.144372659908909
ESCA	BRD9	cg24953233	-0.311378882517182	186	-4.43261936308329	1.6014618443345e-05	0.0969568084776492	0.000197114475029285
ESCA	BRD9	cg25523559	-0.207860261134056	186	-2.8746684757113	0.0045238247148639	0.0432058881587181	0.0228791067395737
ESCA	BRD9	cg25951128	-0.284760487525654	186	-4.01854131456649	8.54571193785619e-05	0.0810885352558482	0.000840142947672924
ESCA	BRD9	cg26504197	-0.134250005894179	186	-1.83269086266625	0.068473589438945	0.0180230640825871	0.181413153179623
ESCA	BRDT	cg00308185	-0.428337189409179	186	-6.41247943662758	1.18512414075409e-09	0.183472747830955	3.86726289453958e-08
ESCA	BRDT	cg01515515	-0.236031595985918	186	-3.28581571846237	0.00121881009231001	0.0557109143036598	0.00791982227874747
ESCA	BRDT	cg02935097	-0.346977592159344	186	-5.00475412639664	1.30761794399951e-06	0.120393449460696	2.16851055927303e-05
ESCA	BRDT	cg03421440	-0.700305140536707	186	-13.2711872941803	1.35453876037347e-28	0.490427289862137	3.48923802398986e-26
ESCA	BRDT	cg06442199	-0.555194369822495	186	-9.03011170425151	2.37922252325267e-16	0.308240788282598	2.19300018921254e-14
ESCA	BRDT	cg09250199	-0.390788673803092	186	-5.74318698134859	3.80773321552205e-08	0.15271578757278	9.17370076705861e-07
ESCA	BRDT	cg13299824	-0.477343609135529	186	-7.3486534254241	6.42707632769446e-12	0.227856921182532	3.16448085972571e-10
ESCA	BRDT	cg14732540	-0.452398395845763	186	-6.86232630545496	1.01455752928427e-10	0.204664308563819	4.06209410360989e-09
ESCA	BRDT	cg19245011	-0.104331064479813	186	-1.41910909346437	0.157568215497248	0.010884971015491	0.326302697705701
ESCA	BRPF1	cg04879506	0.00518434570715303	186	0.0701334713060157	0.944164006394842	2.6877440411276e-05	0.970165960631898
ESCA	BRPF1	cg13694772	0.0414651832747816	186	0.561413446243994	0.575202576351758	0.00171936142401123	0.74217656114756
ESCA	BRPF1	cg14712964	-0.0989477310775339	186	-1.34514119841222	0.18024419372563	0.00979065348539197	0.357373392637286
ESCA	BRPF1	cg17738494	0.144244088467334	186	1.97191992721192	0.0501256070717974	0.0208063570577721	0.144533264422881
ESCA	BRPF1	cg20952324	-0.0235049374687759	186	-0.318056772886836	0.750804528213983	0.000552482085411064	0.860346852477994
ESCA	BRPF1	cg25467642	-0.069410013614689	186	-0.94123130619396	0.347827143690799	0.00481774998999131	0.54711513605414
ESCA	BRPF1	cg26227975	-0.0912543285272838	186	-1.23963791628162	0.216696672988049	0.00832735247496544	0.403997618727358
ESCA	BRPF3	cg01499736	-0.244096542003136	186	-3.40507721307812	0.000812901453151525	0.0595831218178885	0.00564330319886398
ESCA	BRPF3	cg05882415	-0.081801519031673	186	-1.11031149201648	0.268321608956486	0.00669148851588915	0.464119385034827
ESCA	BRPF3	cg10562781	0.0450086572671779	186	0.609483482425753	0.542959985393444	0.00202577922899429	0.717460110809668
ESCA	BRPF3	cg14654948	-0.250605647176487	186	-3.50187788274058	0.000580487609426586	0.062803190396746	0.00425381057721664
ESCA	BRPF3	cg18779695	-0.0959126685792683	186	-1.30349195135237	0.194044351885501	0.00919923999399656	0.375264388192736
ESCA	BRPF3	cg23517469	-0.237065387681579	186	-3.30106220411964	0.00115801449404532	0.0561999980366174	0.00758815528552577
ESCA	BRWD3	cg03164831	-0.0586886247236666	186	-0.795295821442563	0.427471750941479	0.00344435467195537	0.621816331203094
ESCA	BRWD3	cg05835545	-0.0862751255937295	186	-1.17147629142357	0.242930385468893	0.0074433972962138	0.435480480761967
ESCA	BRWD3	cg09523186	-0.101446590069531	186	-1.37946068925207	0.169436103579849	0.0102914106367354	0.342918784585326
ESCA	BRWD3	cg11957438	-0.0815197165190157	167	-1.04744793570517	0.296434281462628	0.00664546418134069	0.494389720057963
ESCA	BRWD3	cg15511898	-0.136826642683124	186	-1.86853002404447	0.0632864253402997	0.0187215301479353	0.171144164248037
ESCA	BRWD3	cg22618269	-0.162551415324411	185	-2.22249753592238	0.0274813353881862	0.026422962623969	0.092456991099276
ESCA	BRWD3	cg25063710	-0.122834173925907	186	-1.67434940286367	0.0957701216430146	0.01508823428406	0.230882297037301
ESCA	BRWD3	cg25708850	-0.16856368892795	161	-2.14957143950966	0.033111079032928	0.0284137172249987	0.106254622037649
ESCA	CARM1	cg12317676	-0.0335851088324021	186	-0.454587381525752	0.649944879587363	0.00112795953528429	0.795259629164021
ESCA	CARM1	cg17918830	-0.120422794667542	186	-1.64099136480957	0.102516780089355	0.0145016494755409	0.242517573065875
ESCA	CARM1	cg22378614	-0.146036916945327	186	-1.99695992058133	0.047311536595278	0.0213267811108963	0.138573110113968
ESCA	CARM1	cg26504915	-0.212467643879178	186	-2.94136597883359	0.00369004648717285	0.0451424996955693	0.0194355772798324
ESCA	CBX1	cg01544580	0.0180348448652842	186	0.244010545381992	0.807495999603669	0.000325255629314868	0.895805259082608
ESCA	CBX1	cg01553295	-0.228799692236095	186	-3.17948541225559	0.0017327741108039	0.0523492991673319	0.0105804422213792
ESCA	CBX1	cg02835499	-0.24916133770811	186	-3.48035558766248	0.000626002578114438	0.0620813722084948	0.0045352248614113
ESCA	CBX1	cg04864609	-0.173648703355162	186	-2.38531462812324	0.0180858131938527	0.0301538721769291	0.0673867403420937
ESCA	CBX1	cg11729481	-0.235150746054956	186	-3.27283416127618	0.00127290349168027	0.0552958733702022	0.00820282409149443
ESCA	CBX1	cg12245530	-0.208391537563089	186	-2.88234904855023	0.00441972874388829	0.0434270329279082	0.0224841994442876
ESCA	CBX1	cg13342109	-0.220627612240919	186	-3.05999915863649	0.00254619494069222	0.0486765432831293	0.0144593539102278
ESCA	CBX1	cg17778721	-0.214500216217929	186	-2.9708549351479	0.00336842665319955	0.0460103427575381	0.018073203880199
ESCA	CBX1	cg21511817	-0.228535495844058	186	-3.17561160097186	0.00175483777701359	0.0522284728606896	0.0106878454572141
ESCA	CBX4	cg04398978	-0.0197756817791739	186	-0.267572790501319	0.78932950578142	0.000391077589831151	0.88408632188378
ESCA	CBX4	cg04925705	0.15899927697757	186	2.17861719587789	0.0306384553097641	0.0252807700793901	0.100243428202372
ESCA	CBX4	cg05949524	-0.100683493440373	186	-1.368977504312	0.172684253494568	0.0101371658513576	0.347395883536499
ESCA	CBX4	cg07159673	-0.0731998317088686	186	-0.992892608213326	0.322073319450969	0.00535821536220668	0.521519718031111
ESCA	CBX4	cg10756274	0.0707710900182071	186	0.959780129683346	0.338432251771135	0.00500854718236517	0.537808952064574
ESCA	CBX4	cg21365914	0.0965994381366398	186	1.31291302717195	0.190856268825686	0.0093314514483145	0.371186814425636

ESCA	CBX4	cg22353329	-0.102020062259689	186	-1.38734049052965	0.167025164892559	0.0104080931034707	0.339701021625885
ESCA	CBX4	cg27487227	-0.0461244733006161	186	-0.624625097910012	0.5329951330065	0.00212746703725924	0.710142895408435
ESCA	CBX5	cg03689456	-0.0819632523585777	186	-1.11252156956246	0.267373268467637	0.0067179747371959	0.463087453183083
ESCA	CBX5	cg05754589	-0.0921483318943503	186	-1.25188593858365	0.212209160402616	0.00849131507091134	0.398383151725696
ESCA	CBX5	cg06399839	-0.00466602332119012	186	-0.0631214806602614	0.949738661239822	2.177177363389e-05	0.973363143856298
ESCA	CBX5	cg06621757	-0.0686228186398638	184	-0.925407087467802	0.355986368380095	0.00470909123807965	0.554793027260474
ESCA	CBX5	cg08288469	-0.0301475982539536	186	-0.408014609760249	0.683739916316315	0.000908877680481785	0.817784066758639
ESCA	CBX5	cg09060496	-0.0264247004385834	186	-0.357591590373913	0.721061049744608	0.000698264793268871	0.841952198964818
ESCA	CBX5	cg09158487	-0.0481971993116589	186	-0.652758236969499	0.514731323164531	0.00232297002148778	0.696242737368273
ESCA	CBX5	cg09653879	-0.0199195894275739	186	-0.269520687975842	0.787832683497061	0.000396790042963113	0.883139340657491
ESCA	CBX5	cg11005091	-0.151617875854184	186	-2.0750377379203	0.0393818922885954	0.0229879802785347	0.121113019002965
ESCA	CBX5	cg11338003	-0.0620005905207228	186	-0.840345171831249	0.401811474510767	0.00384407322491835	0.598407069031589
ESCA	CBX5	cg12263485	0.00398336607698716	186	0.053886405009194	0.957084449238528	1.58672053032921e-05	0.977413196335618
ESCA	CBX5	cg12600134	-0.0278214955306345	186	-0.376507959026692	0.706975474155761	0.000774035613561116	0.83295647356384
ESCA	CBX5	cg13445218	-0.0230303501437401	185	-0.310778838796209	0.756324393661338	0.000530397027743269	0.86408829055528
ESCA	CBX5	cg14017196	-0.0582481008095088	186	-0.789305834909907	0.430954722239829	0.00339284124791471	0.624966290021722
ESCA	CBX5	cg14394617	-0.0447208167939761	186	-0.605577862463692	0.545545411487971	0.00199995145472037	0.719385706268246
ESCA	CBX5	cg15708001	-0.0132232763604733	186	-0.178896808167753	0.858216634562955	0.000174855037705452	0.924664640782193
ESCA	CBX5	cg20545544	-0.0849239723600984	186	-1.15299547621088	0.250416037197363	0.00721208108141876	0.444079173833584
ESCA	CBX5	cg20927027	-0.0657713629751689	186	-0.891669220524925	0.373741158916278	0.00432587218761142	0.572361504719339
ESCA	CBX5	cg21826008	0.0615292910134276	186	0.833932891720418	0.405406007937357	0.00378585365261506	0.601781311660028
ESCA	CBX5	cg24505978	-0.0286277964045742	186	-0.387428442755552	0.698889271078566	0.000819550726981754	0.827300962496173
ESCA	CBX5	cg25817259	0.0217100742928233	186	0.293757677585531	0.769275972885342	0.000471327325799907	0.872109923123275
ESCA	CBX6	cg03028106	-0.0792282424797342	182	-1.06334426147063	0.289058260484812	0.00627711440642756	0.486605174330379
ESCA	CBX6	cg04134624	-0.127773376787563	186	-1.74277101764405	0.0830533825401914	0.0163260358156966	0.20844802043269
ESCA	CBX6	cg04215348	-0.121237637137122	186	-1.65226023470121	0.100196243305728	0.0146985646585925	0.238565988789698
ESCA	CBX6	cg04801716	-0.138351615872552	186	-1.88975945782855	0.0603711982359744	0.0191411696145462	0.165381963362539
ESCA	CBX6	cg06060673	-0.225173247940243	186	-3.1263765241444	0.00205889680594076	0.0507029915879583	0.0121774361834833
ESCA	CBX6	cg09913544	0.0109136730390613	186	0.147646225565628	0.882784519533061	0.000119108259203534	0.937764927185216
ESCA	CBX6	cg14498989	-0.127516023599815	186	-1.73920275699618	0.0836806416371641	0.0162603362747087	0.209566743569577
ESCA	CBX6	cg24649346	-0.14080483051605	186	-1.92393993779979	0.0559137616206208	0.0198260002966536	0.156359149197116
ESCA	CBX6	cg25836955	-0.0418001415287555	186	-0.565956483985372	0.572116693336328	0.00174725183182399	0.73980229785752
ESCA	CBX7	cg00545295	-0.0867298753280235	186	-1.1776977307629	0.240446437896336	0.00752207127441451	0.432502258773788
ESCA	CBX7	cg01525244	-0.0119779159843062	186	-0.162045868890262	0.871448512465815	0.000143470471327099	0.931795167131695
ESCA	CBX7	cg02523424	-0.0726912083254679	186	-0.985956793378314	0.325456097905467	0.00528401176781657	0.524881330073504
ESCA	CBX7	cg03804568	-0.0650267152965037	186	-0.881530839015043	0.37918692705976	0.00422847370225255	0.577721656946474
ESCA	CBX7	cg10339854	-0.0374265783318136	186	-0.506652337943442	0.613008676536158	0.00140074876562738	0.769577306993301
ESCA	CBX7	cg22268271	-0.108920201625849	186	-1.48226391103896	0.139990053834272	0.0118636103222157	0.301322180509749
ESCA	CBX7	cg26672614	0.0659663371063197	186	0.894324040665313	0.372323240285382	0.00435155763122461	0.570954349591189
ESCA	CBX7	cg27062573	-0.0178032025045842	186	-0.240875435723792	0.809921313952924	0.000316954019419235	0.897331358916113
ESCA	CDYL2	cg01442398	-0.291805502691747	186	-4.12709231304052	5.5741595983405e-05	0.0851504514011831	0.000583079429599705
ESCA	CDYL2	cg02461391	-0.285315856444757	186	-4.02707248889171	8.26602693545651e-05	0.0814051379388052	0.000816153445128701
ESCA	CDYL2	cg06919916	-0.289962429449375	186	-4.09862400439453	6.24021776387706e-05	0.084078210492184	0.000644009631562071
ESCA	CDYL2	cg10112854	0.0197865160147442	186	0.26771943938888	0.789216789052733	0.00039150621600173	0.883998256195821
ESCA	CECR2	cg03927893	-0.389227634499411	186	-5.71613945127214	4.35876115644978e-08	0.151498151458007	1.03379715062456e-06
ESCA	CECR2	cg12632097	-0.338446517674283	186	-4.865557438515	2.45327922162991e-06	0.114546045325849	3.78071322835732e-05
ESCA	CECR2	cg13466481	-0.346468655156258	186	-4.99641105048504	1.35834633005532e-06	0.120040529005786	2.24069538592714e-05
ESCA	CECR2	cg26796679	-0.381525483657881	186	-5.58352855406651	8.40514763430005e-08	0.14556169468038	1.85600356248294e-06
ESCA	CHAF1A	cg03006338	-0.0595320578628605	186	-0.806765635816683	0.420848771675373	0.00354406591338697	0.61596853623899
ESCA	CHAF1A	cg04346879	-0.0340370134423515	186	-0.460711131828787	0.645552889089393	0.00115851828407482	0.792214020177017
ESCA	CHAF1A	cg05297461	-0.0915466932376937	186	-1.2436430363349	0.215221736167962	0.0083807970427564	0.40225832384893
ESCA	CHAF1A	cg07783855	0.145906683403847	186	1.99514030694182	0.0475114174392378	0.0212887602619105	0.139055801665465
ESCA	CHAF1A	cg09700233	-0.138358721248296	186	-1.88985840502361	0.0603578780960973	0.0191431357454636	0.165357119615713
ESCA	CHAF1A	cg18804734	0.117761576294845	185	1.5998222472325	0.111372489241242	0.0138677888514466	0.257138421282131
ESCA	CHAF1A	cg23811775	0.0223734505683042	186	0.302738209847506	0.762433217233485	0.000500571290332353	0.867881093638783
ESCA	CHAF1A	cg24085258	-0.0423116749750772	186	-0.572894779911443	0.567419181681321	0.00179027783919658	0.736065565789142
ESCA	CHAF1B	cg00660452	-0.137749774370005	186	-1.88137948323955	0.0615082467625662	0.0189750003389874	0.167658463512511

ESCA	CHAF1B	cg02544117	0.0776421905562247	174	1.01837757494599	0.309937215245771	0.0060283097543691	0.508708477811454
ESCA	CHAF1B	cg02908490	-0.194122749158247	186	-2.67696716228505	0.00810428762677676	0.0376836417407557	0.0362857526122286
ESCA	CHAF1B	cg04634639	-0.142361855508176	186	-1.94565257807189	0.0532283510261361	0.0202668979037307	0.15098580549778
ESCA	CHAF1B	cg07872789	-0.200649479618876	186	-2.77068295581739	0.00617131468832643	0.0402602136713259	0.0293328804829026
ESCA	CHAF1B	cg13854874	-0.28123677681678	186	-3.96451472213371	0.000105375135147941	0.0790941246342912	0.00100768939934836
ESCA	CHAF1B	cg25942896	-0.0496008465521167	186	-0.671814738168296	0.502548876190993	0.00246024397868662	0.686128037487742
ESCA	CHD1	cg03255775	0.114478642033718	186	1.5588694030978	0.120750838479436	0.0131053594818841	0.271800316213918
ESCA	CHD1	cg03833628	-0.23192549631094	186	-3.22537446423444	0.00149026134646954	0.0537894358390756	0.00935172954644279
ESCA	CHD1	cg08865521	0.0659301456870262	186	0.893831240811892	0.372586186452178	0.0043467841103125	0.571211197384088
ESCA	CHD1	cg11365324	-0.179126483934733	186	-2.46301483132235	0.0147021014417336	0.0320862972468202	0.0574712466488227
ESCA	CHD1	cg12662497	-0.229959728731459	186	-3.19650337525507	0.00163885974015008	0.0528814768382464	0.010113712091483
ESCA	CHD1	cg16890600	0.228422019654154	186	3.17394797005621	0.00176439284435107	0.0521766190628825	0.010735926665893
ESCA	CHD1	cg21082921	-0.294504921066385	186	-4.1688786506619	4.71817216346395e-05	0.0867331485323179	0.00050411411246328
ESCA	CHD4	cg00079216	-0.0319989742425173	186	-0.433095887748227	0.665455137701268	0.00102393435257328	0.805834453820436
ESCA	CHD4	cg00824109	-0.322881370273903	186	-4.61504245837628	7.3758222684236e-06	0.104252379269953	9.99294178944175e-05
ESCA	CHD4	cg04344119	0.125828275144	186	1.71581055365377	0.087889108175567	0.0158327548257141	0.217186407083957
ESCA	CHD4	cg05147525	-0.0494283923690986	186	-0.66947321543485	0.504037438466749	0.00244316597219356	0.68734472649255
ESCA	CHD4	cg11565429	0.0561003801991724	186	0.760108946703524	0.448167617486667	0.0031472526584917	0.639610890111257
ESCA	CHD4	cg19509514	-0.112231228788302	186	-1.52788894434524	0.128266700846177	0.0125958487153323	0.283414761735542
ESCA	CHD4	cg20308811	-0.148549200888502	186	-2.03208225794218	0.0435909137685475	0.0220668650846126	0.130457472713333
ESCA	CHRAc1	cg00296189	-0.473593494662867	186	-7.27414244740475	9.87175682772972e-12	0.224290798186987	4.69128558739405e-10
ESCA	CHRAc1	cg07270064	-0.507621495576675	186	-7.97021150262009	1.64882412636065e-13	0.25767958277715	1.05832198090842e-11
ESCA	CHRAc1	cg08877624	-0.238146555667873	186	-3.3170201132101	0.00109741692202935	0.0567137819764712	0.00725154608276151
ESCA	CHRAc1	cg12002314	0.0744376945646624	186	1.00977592277038	0.313935927413346	0.00554097037210197	0.513009526891438
ESCA	CHRAc1	cg18770186	0.182759921121646	186	2.51468376792618	0.0127756403195245	0.0334011887683903	0.0516617196702925
ESCA	CHRAc1	cg19486048	0.2020318598792	186	2.79058105427291	0.00581914338397909	0.0408168724062489	0.0279942143598583
ESCA	CHRAc1	cg22610305	-0.0489235783779346	186	-0.662619371410651	0.508408037587799	0.00239351652130191	0.690933299724076
ESCA	CHRAc1	cg23548819	-0.284783131218368	186	-4.01888906434645	8.53413720636665e-05	0.0811014318265384	0.000839323223555103
ESCA	CLOCK	cg05960024	-0.23637565994722	186	-3.29088870057949	0.00119825905818785	0.0558734526154839	0.00780976584891638
ESCA	CLOCK	cg06085476	-0.0992676338291325	186	-1.34953331475884	0.178832863849944	0.00985406312603472	0.35552500053
ESCA	CLOCK	cg07236904	-0.116767154542606	186	-1.59047673328572	0.113453413478214	0.0136345683799769	0.260592129915975
ESCA	CLOCK	cg07500410	-0.156965790854237	186	-2.15004574110109	0.0328640939322661	0.024638259498496	0.105624016664603
ESCA	CLOCK	cg11774413	-0.221019472905492	186	-3.0657129469969	0.00250039791683756	0.0488496074034216	0.0142419062485328
ESCA	CLOCK	cg18928811	0.0227075296660673	186	0.307260994601872	0.758994099394537	0.000515631903535328	0.865784327178675
ESCA	CLOCK	cg22523077	-0.142876703679453	186	-1.95283534614869	0.0523642489889808	0.0204137524543061	0.149233409746447
ESCA	CLOCK	cg23506964	-0.188004552907465	186	-2.58945317435377	0.0103861766715445	0.0353457119139357	0.043895378279249
ESCA	CREBBP	cg00039463	0.0156544112163107	186	0.211794902605267	0.832502741481008	0.000245060590529354	0.910139664841249
ESCA	CREBBP	cg00747661	0.0814998580172608	186	1.10618954567949	0.270096547200695	0.00664222685683366	0.466146711148226
ESCA	CREBBP	cg03039399	-0.210364218150741	186	-2.91089116108064	0.00405178702634904	0.0442531042781726	0.020952188243007
ESCA	CREBBP	cg03264209	-0.044269814064752	186	-0.599458646930368	0.549608527757812	0.00195981643732772	0.722490170641465
ESCA	CREBBP	cg08506924	0.135925880100599	186	1.85599671221531	0.0650619130381267	0.0184758448811223	0.174742843531436
ESCA	CREBBP	cg24567591	0.0977431468621267	186	1.32860658314566	0.185632158774947	0.00955372275851126	0.364388185000082
ESCA	CTCF	cg01866162	-0.0543237163287185	186	-0.73596435538795	0.462694680466362	0.00295106615576307	0.652080977757249
ESCA	CTCF	cg04487155	-0.153899716436558	186	-2.10701880118135	0.0364786466025331	0.0236851227192531	0.114413201096601
ESCA	CTCF	cg06241380	-0.142975612544201	186	-1.95421543212576	0.0521995833448348	0.0204420257823895	0.148889579332994
ESCA	CTCF	cg07967402	-0.125874909184337	186	-1.71645669735221	0.0877705921506407	0.0158444927621651	0.216976244741395
ESCA	CTCF	cg08324636	0.153557345617285	186	2.10221812628652	0.0369023645995451	0.0235798583930262	0.115366603104686
ESCA	CTCF	cg10218542	-0.0703720535648144	186	-0.954341485615576	0.341169725463669	0.00495222592292911	0.540438966050104
ESCA	CTCF	cg10481400	-0.0630024938278664	186	-0.853978478823713	0.39423339776046	0.00396931422853034	0.59097026640545
ESCA	CTCF	cg23858565	-0.0177678763083191	186	-0.24039732495845	0.81029134185562	0.000315697428507727	0.897557170984797
ESCA	CXXC1	cg02159718	-0.0294441382754811	186	-0.398485692212778	0.690736746068809	0.000866957278785649	0.822242243368151
ESCA	CXXC1	cg07675399	0.0609914737468483	186	0.82661628597331	0.409531057605289	0.00371995986981249	0.605478336222317
ESCA	CXXC1	cg11871295	0.268756171698704	186	3.77453798519531	0.000216456899683576	0.0722298798261431	0.00185337417116304
ESCA	CXXC1	cg13423076	-0.3143650260169	186	-4.47976559385208	1.31351429858853e-05	0.0988253695826059	0.000165963182303713
ESCA	CXXC1	cg15632775	0.280877706152358	186	3.95901917158539	0.000107632213789206	0.0788922858134104	0.00102607976050607
ESCA	CXXC1	cg20016845	-0.282436370421622	186	-3.98288754523889	9.81517087841973e-05	0.0797703033369397	0.000948995032706668
ESCA	CXXC1	cg27419474	-0.11033152193883	186	-1.50170531357745	0.134896746561026	0.0121730447333386	0.293580696354929

ESCA	DAXX	cg00221327	-0.0140119717941139	174	-0.183248297093513	0.854820294726714	0.000196335353559045	0.92259728919616
ESCA	DAXX	cg02173004	-0.173511519877953	186	-2.38337169836084	0.0181785914640594	0.0301062475303573	0.0676384802159477
ESCA	DAXX	cg02328295	0.0297370623462899	186	0.402453505844248	0.687820006588982	0.000884292876987132	0.82047337972192
ESCA	DAXX	cg03085224	-0.143415459873457	186	-1.9603533935597	0.0514725090230827	0.0205679941307151	0.147388558853861
ESCA	DAXX	cg03369465	-0.0877363037013107	183	-1.18166283993739	0.238898304112267	0.00769765898716863	0.430687380571865
ESCA	DAXX	cg03382121	-0.0885183890026906	186	-1.20217365241505	0.230849532970014	0.00783550519163166	0.421262694439594
ESCA	DAXX	cg03902329	-0.0321961041253125	186	-0.435766737796791	0.663519557674525	0.00103658912084796	0.804454772379522
ESCA	DAXX	cg04086445	-0.186295838499451	186	-2.56506825860257	0.0111173021312372	0.0347061394422136	0.0463110790895564
ESCA	DAXX	cg04152866	0.0222946222792859	186	0.301671042148368	0.763245382625613	0.000497050182576029	0.868348171867808
ESCA	DAXX	cg04271391	-0.11479489782465	186	-1.56325091041535	0.119721223372496	0.0131778685665718	0.270289984147788
ESCA	DAXX	cg04488476	-0.186273357673992	186	-2.56474759796158	0.0111272160150863	0.0346977637791429	0.0463350092429947
ESCA	DAXX	cg04973788	-0.195642170789148	186	-2.69875064394769	0.00761168898377809	0.0382758589910901	0.0345959180184642
ESCA	DAXX	cg05431670	-0.116502040806822	184	-1.57812094764251	0.116283908607612	0.0135727255121545	0.264930902381485
ESCA	DAXX	cg05532204	-0.117646583012577	186	-1.60262284573855	0.110742586708116	0.0138407184945351	0.256165120661531
ESCA	DAXX	cg06171013	-0.168645921115802	186	-2.31455175777436	0.0217476477978357	0.0284414467089972	0.0776011432636258
ESCA	DAXX	cg07689821	-0.144792926960085	186	-1.97958330028963	0.0492497245161701	0.0209649916976686	0.142731180159108
ESCA	DAXX	cg08375286	-0.0904068440572151	186	-1.22803000315835	0.221012831671846	0.00817339745238562	0.409270940896919
ESCA	DAXX	cg08567382	-0.0889917148788651	186	-1.20865309774543	0.228355546804057	0.00791952531708122	0.418258456150373
ESCA	DAXX	cg09097215	-0.124251239005847	186	-1.69396650909201	0.0919729073059884	0.015438370394488	0.22429402089942
ESCA	DAXX	cg09432361	0.0656926715114729	186	0.890597765490139	0.374314367641678	0.00431552709031429	0.572979908233146
ESCA	DAXX	cg09615909	-0.313410378423853	186	-4.46467735555134	1.39976531181644e-05	0.0982260653037826	0.000175662756359813
ESCA	DAXX	cg11111423	-0.2832092451742	186	-3.99473554405979	9.37462434564107e-05	0.0802074765521403	0.000911384061915523
ESCA	DAXX	cg12025215	-0.0207786606542301	186	-0.281149211280752	0.778913589351568	0.000431752738583652	0.877741106792967
ESCA	DAXX	cg12832355	-0.343656974465842	186	-4.95040880444334	1.6742031499592e-06	0.118100116099016	2.69877662345475e-05
ESCA	DAXX	cg12923297	-0.0891388086250556	183	-1.20070235335349	0.231444381332918	0.00794572720309428	0.421939074836262
ESCA	DAXX	cg13443893	0.0384840714833461	186	0.520988810824942	0.603004410594229	0.00148102375793529	0.762171396597249
ESCA	DAXX	cg13826470	-0.161359995141894	184	-2.19970246210023	0.0290947113138217	0.0260370480321921	0.0965405831498164
ESCA	DAXX	cg14539675	0.00772160193435639	186	0.104459008974971	0.916919494165379	5.96231364326563e-05	0.956151780503224
ESCA	DAXX	cg14622330	-0.168003250982022	186	-2.30547485631789	0.0222615602097782	0.0282250923405282	0.0788910265560991
ESCA	DAXX	cg14746369	0.173539307860352	186	2.38376524803381	0.01815976492062	0.03011589137265	0.0675853649331502
ESCA	DAXX	cg14910283	-0.330199483037913	186	-4.73228407754235	4.42897423022849e-06	0.109031698598505	6.39353537328623e-05
ESCA	DAXX	cg16922466	-0.0622643398307959	186	-0.843933867260389	0.399808200145524	0.00387684801456483	0.596442348018503
ESCA	DAXX	cg17079757	-0.0817993073597133	186	-1.11028127024602	0.268334593191838	0.00669112668452885	0.464119385034827
ESCA	DAXX	cg17504991	0.132242019985033	186	1.8047875107185	0.0727519497463512	0.0174879518497218	0.189635288275009
ESCA	DAXX	cg18187593	-0.0797674108000262	186	-1.08252298833153	0.280444533563147	0.00636283982574014	0.477644759698999
ESCA	DAXX	cg18279148	-0.284605373026196	175	-3.89358458799146	0.000141140645178011	0.0810002183553804	0.00129312158178992
ESCA	DAXX	cg18486541	-0.085828549005479	186	-1.16536738701349	0.24538704646812	0.00736653982438591	0.438298202069635
ESCA	DAXX	cg18944910	-0.207998689637682	186	-2.87666945652286	0.00449649155713018	0.0432634548909926	0.0227719591299645
ESCA	DAXX	cg18967278	-0.0547774820405939	186	-0.742130286404883	0.458959851105336	0.00300057253870759	0.648874559870759
ESCA	DAXX	cg20223162	-0.186232638556434	180	-2.52178096001539	0.0125587454159605	0.0346825956636912	0.0509537433386187
ESCA	DAXX	cg20763184	-0.119331077980794	186	-1.62589873185893	0.105692035754131	0.0142399061720583	0.247790122079109
ESCA	DAXX	cg21286626	0.101252819568188	186	1.37679849789959	0.170256558178924	0.0102521334705081	0.343982825231611
ESCA	DAXX	cg24328964	-0.19983512170726	186	-2.75896910004541	0.00638757570054467	0.0399340758677555	0.0301270197676835
ESCA	DAXX	cg24496586	-0.0401280883805755	186	-0.543280306280752	0.587597968988478	0.00161026347707928	0.751353513362969
ESCA	DAXX	cg24513883	-0.323303449914421	186	-4.62177905623953	7.16457067137474e-06	0.104525120726566	9.7372573516584e-05
ESCA	DAXX	cg24728112	-0.339595397804578	186	-4.88422285998951	2.25640041674636e-06	0.11532503421005	3.51209311765439e-05
ESCA	DAXX	cg25642825	-0.0810338502900443	186	-1.09982253962856	0.27285414840819	0.00656648489282931	0.469146967649161
ESCA	DAXX	cg26521092	-0.103779226593578	185	-1.40765916604813	0.16093768145288	0.0107701278723611	0.331006397814757
ESCA	DAXX	cg27052777	-0.368853461227407	186	-5.36828823912303	2.38796592600846e-07	0.136052875859438	4.73901584816078e-06
ESCA	DAXX	cg27393652	0.000843706043240359	186	0.0114134478630848	0.990906016858045	7.11839887400303e-07	0.995140165956066
ESCA	DIDO1	cg00080059	0.0302476754888189	186	0.409370283431569	0.682746685153178	0.000914921872476898	0.8171196693098
ESCA	DIDO1	cg01488865	-0.221162617730097	186	-3.06780055562139	0.00248385573487935	0.048912903481229	0.014165284360161
ESCA	DIDO1	cg06646488	-0.114826380217117	186	-1.56386535795115	0.119619102431311	0.0131850975937659	0.270143944452097
ESCA	DIDO1	cg08610063	-0.15044358935476	186	-2.05859283305429	0.0409502693643738	0.0226332735779438	0.124495588529774
ESCA	DIDO1	cg13815390	0.171547021372901	186	2.35556413107912	0.0195532368756472	0.0294283805419145	0.0715587575624075
ESCA	DIDO1	cg20969846	-0.241243375344832	186	-3.36280141395295	0.000939578355186035	0.0581983661477674	0.00637374777356481
ESCA	DIDO1	cg21212389	0.073452204616521	186	0.996334366287083	0.320403303018011	0.00539522636302726	0.519843466984716

ESCA	DIDO1	cg21687703	0.27387869989782	186	3.85225631870261	0.000161756192947436	0.0750095422577204	0.00145157010891139
ESCA	DIDO1	cg22394521	-0.142861577652076	186	-1.95262429633618	0.0523894690649963	0.0204094303692402	0.14928887752536
ESCA	DMAP1	cg01604592	0.0130373966984276	186	0.176381624276315	0.860189181364541	0.000169973712672172	0.925682074630974
ESCA	DMAP1	cg11683482	-0.0403438842629386	186	-0.546206642328583	0.585589182612704	0.00162762899742138	0.750032395271499
ESCA	DMAP1	cg15990015	0.0140502962229929	186	0.190087647917537	0.849451140051621	0.000197410823953848	0.919725328107199
ESCA	DMAP1	cg18017761	-0.0398182084389737	186	-0.539078260729873	0.59048807573776	0.00158548972328955	0.753426756830298
ESCA	DMAP1	cg18167340	-0.0853720148665254	186	-1.15912300061192	0.247916295481136	0.00728838092237023	0.441265707796451
ESCA	DMAP1	cg21437596	-0.0946609652267206	186	-1.28632596031915	0.199954339290047	0.0089606983376544	0.382879559670413
ESCA	DMAP1	cg23021241	-0.0340356021575503	186	-0.460692007098344	0.645566586184495	0.00115842221422704	0.792214020177017
ESCA	DMAP1	cg23451311	0.0894659216545934	186	1.21514542955291	0.225876065081757	0.00800415113750585	0.415281417223316
ESCA	DMAP1	cg24485408	0.0679792210774227	186	0.921738079971501	0.357878784937156	0.00462117449829312	0.556872131121134
ESCA	DNMT1	cg04160663	-0.00967979328664524	186	-0.130951951593306	0.895957163551949	9.36983980721823e-05	0.944816954919417
ESCA	DNMT1	cg04762346	-0.0150211694224102	186	-0.203225542260352	0.839184540947082	0.000225635530816751	0.913899854109209
ESCA	DNMT1	cg06128182	0.0447677894630705	186	0.606215210000074	0.545123082693919	0.00200415497340981	0.719121349393612
ESCA	DNMT1	cg06716436	0.0487789723173148	186	0.660656153396694	0.509663635501819	0.00237938814033336	0.692092455117765
ESCA	DNMT1	cg10635912	0.0530142461242951	186	0.718173355601713	0.473566274132897	0.00281051029212734	0.661601442602804
ESCA	DNMT1	cg11380607	0.0707128890405673	186	0.958986854069934	0.338830649122775	0.00500031267646358	0.538169246367977
ESCA	DNMT1	cg13393778	-0.0551484824963782	186	-0.747171915981662	0.455918732993218	0.00304135512165333	0.646160355519664
ESCA	DNMT1	cg15043801	0.345603802267596	186	4.98224488846694	1.44888294275228e-06	0.119441988141819	2.3709381499468e-05
ESCA	DNMT1	cg21893394	-0.0100429994600333	186	-0.135866030519839	0.892076528926489	0.000100861838154229	0.942829013359791
ESCA	DNMT1	cg23401624	-0.0843981431778766	186	-1.14580502301065	0.253371967104389	0.00712304657187335	0.447406213208856
ESCA	DNMT1	cg24477899	-0.103638782157166	186	-1.40959009788706	0.160357916639429	0.0107409971670205	0.330215569036151
ESCA	DNMT1	cg27429799	0.0123071025452164	186	0.166500007250363	0.867947298246199	0.000151464773058472	0.929881448020732
ESCA	DNMT3A	cg02208653	-0.087244681067202	186	-1.18474169276337	0.237655933084233	0.00761163437451779	0.42916979638234
ESCA	DNMT3A	cg03463641	-0.0334192614530712	186	-0.452340057234019	0.651559765330366	0.00111684703606873	0.796369743057866
ESCA	DNMT3A	cg06112956	0.0187470495375015	186	0.253649962272727	0.800050741363726	0.000351451866361536	0.890862184140224
ESCA	DNMT3A	cg07150430	0.130186047495319	186	1.77624075714677	0.0773548419778584	0.0169484069624533	0.198199808208468
ESCA	DNMT3A	cg12066181	-0.0937281570813452	186	-1.27353733950149	0.204442660501422	0.00878496742986531	0.3885760858312
ESCA	DNMT3A	cg13076778	-0.0623560462619009	186	-0.845181709039829	0.399113053708529	0.00388827650541633	0.595713754800486
ESCA	DNMT3A	cg13344237	-0.0417499785153241	186	-0.565276111059707	0.572578335018423	0.00174306070603003	0.740153187790552
ESCA	DNMT3A	cg15990840	-0.134926924839544	186	-1.8421026190336	0.0670783879495805	0.018205275046656	0.178715676552036
ESCA	DNMT3A	cg15998962	-0.105452165615552	186	-1.43452884782834	0.153128080586035	0.0111201592330097	0.320261477070384
ESCA	DNMT3A	cg21629895	-0.274985969452176	186	-3.86910193683916	0.000151769879923026	0.0756172833955533	0.00137560130941768
ESCA	DNMT3A	cg21708767	-0.062918446951029	186	-0.852834719663279	0.394865785989322	0.00395873096672946	0.591530694304897
ESCA	DNMT3A	cg22731525	-0.00308395777995593	186	-0.0417192059628394	0.966768025525201	9.51079558855074e-06	0.982517300190831
ESCA	DNMT3A	cg25044635	-0.108927160328534	186	-1.48235974710677	0.139964585574211	0.0118651262572381	0.30128403348534
ESCA	DNMT3A	cg26470599	-0.22816533111295	186	-3.17018526117318	0.0017861821159212	0.052059418321882	0.0108414021632187
ESCA	DNMT3A	cg26995204	-0.110883485834442	186	-1.50931129284232	0.132943859885596	0.012295147430797	0.290618333547084
ESCA	DNMT3B	cg00300969	0.387030265934035	186	5.6781647418972	5.26588574607375e-08	0.149792426748969	1.2210272464321e-06
ESCA	DNMT3B	cg13636640	0.125143287108932	186	1.692276914039	0.0923234391860191	0.0156608423084287	0.224929054149171
ESCA	DNMT3B	cg14224313	0.132092073192627	186	1.80270473380301	0.0730799553156223	0.0174483158003262	0.190286241718497
ESCA	DNMT3B	cg16523653	-0.0903971398756232	186	-1.22789710154457	0.221062605564482	0.00817164289769299	0.40933388087695
ESCA	DNMT3B	cg16953106	-0.0919334279671623	186	-1.24894143483115	0.213281757401831	0.00845175517779342	0.399689256206347
ESCA	DNMT3B	cg17475857	0.3512988425043	186	5.07579676831783	9.43968270469368e-07	0.123410876744861	1.62827200959854e-05
ESCA	DNMT3B	cg17721173	-0.0690915296026575	186	-0.936891755158258	0.350049016404769	0.0047736394628349	0.549048614504467
ESCA	DNMT3B	cg22605822	0.0100339485624922	186	0.135743573737672	0.89217320145835	0.000100680123754739	0.942871609328101
ESCA	DNMT3B	cg24403338	0.318991446822853	186	4.5531012738368	9.62126144331068e-06	0.101755543146137	0.000126538700375471
ESCA	DNMT3B	cg25803642	-0.0796876492568136	186	-1.08143362391382	0.280927298390041	0.00635012144407695	0.478090178748574
ESCA	DNMT3L	cg09247319	-0.0384762633632974	186	-0.520882949494799	0.603078010597212	0.00148042284240182	0.762190121785741
ESCA	DNMT3L	cg15635600	-0.0521596573930555	186	-0.706564571580765	0.480735757777389	0.00272062985936093	0.667947089489805
ESCA	DNMT3L	cg27187798	0.0287423753308886	186	0.388980352796388	0.697742905007623	0.000826124139661675	0.826728359955793
ESCA	DPF1	cg06168449	0.0966398146514536	186	1.31346696927582	0.190670032516857	0.0093392537758673	0.370944379195289
ESCA	DPF1	cg06615189	-0.246773117901163	186	-3.4448218937074	0.000708544646349839	0.0608969717186613	0.00503730042322163
ESCA	DPF1	cg07480327	0.023878758307752	156	0.295448171694552	0.768052108841507	0.000570195098320034	0.871477601926643
ESCA	DPF1	cg08057062	-0.258430991654857	186	-3.61892556556122	0.000382685280760774	0.0667865774477128	0.00299352626762228
ESCA	DPF1	cg13322582	-0.194353399392163	186	-2.68027263034608	0.00802773412022818	0.0377732438552898	0.0360259329765809
ESCA	DPF1	cg13917712	0.061442588416006	186	0.832753317942605	0.406069345457273	0.00377519167125871	0.602409631390818

ESCA	DPF1	cg17121541	0.105964761341061	186	1.44158098755697	0.151129664283987	0.0112285306460681	0.317310296429571
ESCA	DPF1	cg22145401	-0.237464681929761	186	-3.30695422147725	0.00113528632116628	0.0563894751640027	0.00745932973554134
ESCA	DPF1	cg27400772	0.0753346745287316	132	0.858075812884639	0.392442088768305	0.00567531318634992	0.589406909244001
ESCA	DPF2	cg02186298	0.0566290922121827	186	0.767295450390452	0.443894692445211	0.00320685408477589	0.635954764347748
ESCA	DPF2	cg14699126	-0.177179699401342	186	-2.43537377092298	0.0158352521916839	0.0313926458799499	0.0608526202009798
ESCA	DPF2	cg15918224	-0.204429658357317	186	-2.82513649150956	0.00525069472621488	0.0417914852160893	0.0257825251234716
ESCA	DPF2	cg15929437	-0.0293847077948997	186	-0.397680687053122	0.691329072318822	0.000863461052191639	0.82259066924966
ESCA	DPF2	cg18224556	-0.130500407190319	186	-1.78060405720209	0.0766361897655411	0.0170303562768391	0.196935378125378
ESCA	DPF2	cg19517014	-0.210499131166532	186	-2.91284453057172	0.00402766068943835	0.0443098842218649	0.0208551541316671
ESCA	DPF3	cg00888802	0.185952738946573	186	2.56017482979772	0.0112694565652393	0.0345784211217324	0.0467970590389786
ESCA	DPF3	cg05151458	-0.0321131796995816	186	-0.436443214956818	0.664333506073636	0.00103125631041762	0.805031910416431
ESCA	DPF3	cg07171024	-0.106676368685278	186	-1.45137299807745	0.148388132210519	0.0113798476358775	0.31341513784712
ESCA	DPF3	cg10266394	0.128831513054361	186	1.75744608745561	0.0805139354406099	0.016597558755876	0.203942250974171
ESCA	DPF3	cg12913429	-0.0156520206053737	185	-0.211183172339769	0.832980618887513	0.000244985749031042	0.910444598043346
ESCA	DPF3	cg13819165	0.0951997188607123	186	1.29371372458795	0.197394798500989	0.00906298647115867	0.379716895096213
ESCA	DPF3	cg14238615	0.116848108345352	186	1.59159465728204	0.113201728264722	0.0136534804238871	0.260272635460743
ESCA	DPF3	cg14242696	-0.0457655129577973	186	-0.61975375577851	0.536190811526605	0.00209448217629031	0.712399712937231
ESCA	DPF3	cg15392845	-0.050447638410255	186	-0.683313060660436	0.49527325652979	0.00254496422117183	0.680147066601208
ESCA	DPF3	cg15740492	-0.0322522856445304	186	-0.436527932629819	0.662968329108766	0.00104020992929638	0.804062145435782
ESCA	DPF3	cg16696021	0.225592600280623	186	3.13251084224432	0.00201851960742551	0.050892021301373	0.0119860097962034
ESCA	DPF3	cg19710444	0.37113073176972	186	5.40670711636924	1.98587600752589e-07	0.137738020063928	4.03366156996004e-06
ESCA	DPF3	cg19839347	0.14602080202458	186	1.99673475832283	0.0473362314923804	0.0213220746239016	0.138631735599075
ESCA	DPF3	cg20548765	0.0346191535335106	186	0.468600118019146	0.63991319522604	0.00119848579137678	0.788453975568035
ESCA	DPF3	cg21035356	-0.0168965084864437	186	-0.228604364836153	0.819431689044745	0.000285491999032464	0.902798987663502
ESCA	DPF3	cg22784589	0.142383196874967	186	1.94595028443862	0.0531922992301086	0.0202729747523356	0.150930278160718
ESCA	DPF3	cg23515460	-0.0236910553263266	186	-0.320576633148807	0.748897016065649	0.000561266102475068	0.859325552278288
ESCA	DPF3	cg24383902	0.252716053168278	186	3.53337089480311	0.000519454442436847	0.0638654035289518	0.00387184429385188
ESCA	DPF3	cg25495195	0.101094302267874	186	1.37462076409684	0.17092993806023	0.0102200579510283	0.344919163764722
ESCA	DPF3	cg26057784	0.102217041356445	186	1.39004740617315	0.166202971025056	0.0104483235436651	0.338543433533608
ESCA	EED	cg00080012	0.0152604768853194	186	0.206463947153541	0.836658053215153	0.000232882154767367	0.912528062583344
ESCA	EED	cg01739327	0.0339497710574214	186	0.459528890101304	0.64639983601805	0.00115258695485133	0.792667426081562
ESCA	EED	cg02172616	-0.334877742891709	186	-4.80773301510293	3.17451571501268e-06	0.112143102684246	4.75376853770349e-05
ESCA	EED	cg04607174	-0.349926458215278	186	-5.05319463018236	1.04744724847598e-06	0.122448526159088	1.77915090061006e-05
ESCA	EED	cg06358433	-0.0933196445616118	186	-1.267937777864059	0.206430986922626	0.00870855606110556	0.39098108056264
ESCA	EED	cg10086030	-0.2561667872727245	186	-3.58498159310157	0.000432294100334207	0.0656214229039453	0.00331459562797154
ESCA	EED	cg10535675	-0.154470817862053	182	-2.09178565851057	0.0378687052367016	0.0238612335709717	0.117621897915195
ESCA	EED	cg12672785	0.143417091827317	186	1.96037616928094	0.0514698271130729	0.0205684622282052	0.147386304355814
ESCA	EED	cg16265078	-0.330951727055725	186	-4.74438929807938	4.19960062070718e-06	0.109529045641167	6.10258749671504e-05
ESCA	EED	cg18574463	0.0305602410040425	186	0.413604461158392	0.679648096111736	0.000933928330225159	0.815166956860307
ESCA	EED	cg19325359	-0.230410067521779	186	-3.20311380493669	0.00160367049008765	0.0530887992153908	0.00993754517332155
ESCA	ELP3	cg01209934	0.0805066342759218	186	1.09262012741232	0.275996903980923	0.00648131816243704	0.472496669477604
ESCA	ELP3	cg02516513	0.0864089095611675	186	1.17330651553008	0.242197776458498	0.00746649965155002	0.434567286062513
ESCA	ELP3	cg04720865	-0.37464958468122	186	-5.46629513670242	1.48937110506269e-07	0.140362311301811	3.1054445389238e-06
ESCA	ELP3	cg05621091	-0.312803325616287	186	-4.4550906768196	1.457369062137e-05	0.0978459205166088	0.000181777407118624
ESCA	ELP3	cg15692687	0.0504664151523567	186	0.683568040834924	0.495112561908596	0.00254685905833002	0.680027093380728
ESCA	ELP3	cg17572663	0.104133274948794	186	1.41638924278069	0.158361503317865	0.010843738951561	0.327474077328814
ESCA	ELP3	cg18022570	-0.0284566547061001	186	-0.385110448778648	0.700602817832787	0.000809781197062207	0.828515062587782
ESCA	ELP3	cg18249244	-0.09023475839413	181	-1.20881315873177	0.228337925145114	0.00814231162244701	0.418245874802547
ESCA	ELP3	cg19781013	0.121743149339923	186	1.65925292178808	0.0987776334734613	0.0148213944112029	0.236106041247295
ESCA	ELP3	cg22414525	0.0314289002702019	186	0.425372420515456	0.671064999662509	0.000987775772194296	0.80949044618285
ESCA	ELP3	cg22487209	-0.324022097228125	186	-4.63325611037728	6.81802986982592e-06	0.104990319492113	9.3347732434572e-05
ESCA	ELP3	cg25374552	0.0613502296912315	186	0.831496814348785	0.406776662997957	0.00376385068316686	0.602951746312155
ESCA	ELP4	cg04972224	-0.230339456812854	186	-3.20207718144957	0.00160914198176919	0.0530562653648404	0.00996510040835475
ESCA	ELP4	cg05195750	0.0700063192506045	186	0.949357135570426	0.34369105226537	0.00490088473501755	0.543028651622401
ESCA	ELP4	cg05635455	-0.229047483340812	186	-3.1831193527726	0.00171231070655377	0.0524627496247597	0.010480350411467
ESCA	ELP4	cg08111895	-0.225319235905459	186	-3.12851183936546	0.00204475776700287	0.05076875806902	0.012110383382278
ESCA	ELP4	cg08626560	-0.301214936331181	186	-4.27322461730037	3.09480136301099e-05	0.0907304378689976	0.000350141037280507

ESCA	ELP4	cg09616795	0.0853148011451659	186	1.15834049424614	0.248234537024453	0.0072786152944392	0.441529084602974
ESCA	ELP4	cg10583382	-0.131001493843752	186	-1.78756025009556	0.0755018341048201	0.0171613913892945	0.194828456637512
ESCA	ELP4	cg11385473	-0.191186322451096	186	-2.63492508373749	0.00913709225297288	0.0365522098923743	0.0397879067857695
ESCA	ELP4	cg13263383	-0.174513411536084	186	-2.35793289223837	0.0194687884472618	0.0304549308059626	0.0713134442257409
ESCA	ELP4	cg19328333	-0.0703656453935787	186	-0.954254149583044	0.341213801255631	0.00495132405165486	0.540464764728602
ESCA	ELP4	cg24001477	-0.110961374357397	186	-1.51038469862216	0.132670041545923	0.0123124265992823	0.290174685448254
ESCA	ELP4	cg24531794	-0.116214414700137	186	-1.58284458159581	0.115183580651373	0.0135057901840954	0.263167537172689
ESCA	ELP4	cg25130734	-0.237265291986898	186	-3.30401178597282	0.00114658414625297	0.0562948187816282	0.00752212574410553
ESCA	EP300	cg00500400	-0.339778283680849	186	-4.88719641412863	2.22648301932914e-06	0.115449282061104	3.47317064378767e-05
ESCA	EP300	cg02046995	0.217713896475788	186	3.01756237859344	0.00291130100390321	0.04739934071867	0.0160693735133849
ESCA	EP300	cg07519229	-0.129641133919564	186	-1.7686786684953	0.078613452532505	0.0168068236039504	0.200381878319584
ESCA	EP300	cg08131204	-0.135148277506694	186	-1.84518083503212	0.0666272242439444	0.0182650569130265	0.177774670147942
ESCA	EP300	cg09331127	-0.171890608585032	186	-2.36042552422399	0.0193065081820367	0.0295463813197328	0.0708223934320444
ESCA	EP300	cg24349919	0.00385788678824266	186	0.0521889135117304	0.958435090939529	1.48832904708973e-05	0.978144668843607
ESCA	EPC1	cg02900516	0.021660088125641	186	0.293081000001313	0.769792312607999	0.000469159417610536	0.872397503778688
ESCA	EPC1	cg16942190	0.0364188367566529	186	0.49299193581619	0.622609318707474	0.00132633167070773	0.77645510323067
ESCA	EPC1	cg26211455	0.0324855911642038	186	0.439688997921233	0.660681175870916	0.0010553136332878	0.802551940846664
ESCA	EPC2	cg00066942	-0.0468053483318618	186	-0.633865714561518	0.526959943030044	0.00219074063246691	0.705582130948007
ESCA	EPC2	cg03664802	-0.227396949229571	186	-3.1589259800844	0.00185288131757665	0.0517093725189163	0.0111712818119474
ESCA	EPC2	cg04098458	-0.0443366913613474	186	-0.600366016366436	0.54900509226068	0.00196574220087138	0.722014135332568
ESCA	EPC2	cg05586854	0.255276593295261	186	3.57165352745828	0.00045337997512861	0.0651661390844341	0.00345312725525309
ESCA	EPC2	cg10458926	-0.232359045528979	186	-3.23174757607817	0.00145919193246604	0.0539907260391383	0.00919458749346049
ESCA	EPC2	cg11721798	-0.131741183698367	186	-1.79783133332069	0.073852209828624	0.017355739482247	0.191687871941796
ESCA	EPC2	cg12432635	-0.0369825996614233	186	-0.500633813896344	0.61723042992169	0.00136771267771711	0.772637823058546
ESCA	EPC2	cg16434205	-0.0653863574634902	186	-0.886427183027048	0.376550767848495	0.00427537574234332	0.575101901091681
ESCA	EPC2	cg21347644	-0.114716516010528	186	-1.56216928571593	0.119975768432609	0.0131598790455938	0.270674407790917
ESCA	EPC2	cg21650422	-0.175453928984251	186	-2.41089542880237	0.0169027102689316	0.0307840811960105	0.0639339447980388
ESCA	EZH1	cg00728999	-0.0502031305941555	186	-0.679992814694007	0.497368316779884	0.00252035432145383	0.681796683683339
ESCA	EZH1	cg01716316	0.220307657666953	186	3.05533500070006	0.00258415102063725	0.0485354640266993	0.0146178680923469
ESCA	EZH1	cg03623386	-0.0615161651620838	186	-0.833754315576233	0.405506388911946	0.00378423857624878	0.60187800914826
ESCA	EZH1	cg05375741	-0.0512901028627536	186	-0.694754088746715	0.488090567628882	0.00263067465167184	0.674216371641771
ESCA	EZH1	cg05979501	-0.0777004910935861	186	-1.05430017714559	0.293135495274915	0.00603736631618445	0.4908030630699
ESCA	EZH1	cg06975499	-0.023555248865185	186	-0.318737938470813	0.750288739801104	0.000554849749100799	0.860059300982195
ESCA	EZH1	cg12812489	-0.135010029208494	186	-1.84325826764301	0.0669087120719347	0.0182277079868785	0.178354452676949
ESCA	EZH1	cg19395400	-0.0380990329884045	186	-0.515768629641714	0.606638579529613	0.00145153631465153	0.764940448125578
ESCA	EZH1	cg22227424	-0.00174779192836633	186	-0.0236437270760951	0.981162554001	3.05477662486248e-06	0.990302554958142
ESCA	EZH1	cg27088844	0.00828983885392802	186	0.112146714916465	0.91082999465763	6.87214282240946e-05	0.952746161049252
ESCA	EZH2	cg01893439	-0.205669503107929	186	-2.84302505722248	0.00497673014836882	0.0422999445086624	0.0246737152686435
ESCA	EZH2	cg02303805	-0.0535342975551438	186	-0.72523853789999	0.469232063687176	0.00286592101472267	0.658122798876432
ESCA	EZH2	cg06816161	-0.033576856981074	186	-0.454475563460501	0.650025190888211	0.00112740532472749	0.795270691081586
ESCA	EZH2	cg13751213	-0.0655033945650728	186	-0.888020657980246	0.375695316056722	0.00429069469954761	0.574235051522028
ESCA	EZH2	cg18494018	-0.0358277560128392	186	-0.484980266936773	0.628270378115314	0.00128362810091554	0.780449753215214
ESCA	EZH2	cg20101066	-0.101157503464145	186	-1.37548901866476	0.170661223276819	0.0102328405070986	0.344528849191563
ESCA	FBXL19	cg00026853	-0.00884977076905867	186	-0.119722168277435	0.904834570791498	7.83184426648853e-05	0.94958316156046
ESCA	FBXL19	cg02291855	0.0565102903187858	186	0.765680582687364	0.444852806435347	0.00319341291191346	0.636799691302445
ESCA	FBXL19	cg03181514	0.0182337163330557	186	0.246702156349844	0.805415261343683	0.000332468411314341	0.894313167682027
ESCA	FBXL19	cg03627896	-0.186198799437872	186	-2.56368414856224	0.0111601514359315	0.0346699929121048	0.0464472940726973
ESCA	FBXL19	cg04477789	-0.24066467128202	186	-3.35423800981583	0.000967387784555974	0.0579194840032828	0.00653158872693521
ESCA	FBXL19	cg05643349	-0.288691926813898	186	-4.0790287011968	6.74210816465034e-05	0.0833430286075211	0.000687772833150811
ESCA	FBXL19	cg05768582	-0.0959555571356957	186	-1.30408023961296	0.193844129096925	0.00920746894522177	0.375000874815761
ESCA	FBXL19	cg06862768	0.00687708322731031	186	0.0930336575343188	0.925978595152811	4.72942737153528e-05	0.961038193491085
ESCA	FBXL19	cg07697662	-0.112507726582421	186	-1.53170131645065	0.127323028617196	0.0126579885407448	0.282114815126152
ESCA	FBXL19	cg08535091	-0.148628738923433	186	-2.03319487197203	0.043477242316096	0.0220905020339701	0.130203873375835
ESCA	FBXL19	cg08593668	0.0106909380024849	186	0.144632594346379	0.885160123743962	0.000114296155372977	0.939147140920021
ESCA	FBXL19	cg09011601	-0.133264924135605	186	-1.81899913086367	0.0705461229098255	0.0177595400048685	0.185426397460789
ESCA	FBXL19	cg11940219	-0.281601666933072	186	-3.97010119136154	0.000103126912340934	0.0792994988194848	0.000989317941769022
ESCA	FBXL19	cg26666512	-0.0950607437276055	186	-1.29180789144815	0.198052761670788	0.00903654499804549	0.380606124883705

ESCA	FBXL19	cg27602786	-0.148040476406577	186	-2.02496694245263	0.0443238584256246	0.0219159826546863	0.132107208243479
ESCA	FBXW9	cg02753619	-0.0539539207752965	186	-0.730939779335632	0.465750763626692	0.00291102556702697	0.655009447877244
ESCA	FBXW9	cg03160342	-0.0399220994304555	186	-0.540487029810116	0.58951840958692	0.00159377402293517	0.752652457704518
ESCA	FBXW9	cg05868316	-0.0249217392179488	186	-0.337239784141036	0.736322627038361	0.000621093085647445	0.851300882010229
ESCA	FBXW9	cg06489804	0.0797494971881379	186	1.08227832660769	0.28055290882178	0.00635998230176082	0.477745665635267
ESCA	FBXW9	cg12110584	-0.0991962850689877	186	-1.34855369282084	0.17914692796753	0.00983990297148787	0.355897829414984
ESCA	FBXW9	cg14342428	0.210144892770674	186	2.90771597884875	0.00409128650126839	0.0441608759575982	0.0211227463551681
ESCA	FBXW9	cg15828427	-0.055455867386602	186	-0.751349290782245	0.453407616016428	0.00307535322760038	0.643770574339139
ESCA	FBXW9	cg19721801	-0.029903384921597	186	-0.404706480450763	0.686165923648014	0.000894212429769195	0.819333720096295
ESCA	FBXW9	cg21564527	-0.0891368762309901	186	-1.21064040347017	0.227594509392005	0.00794538270421885	0.417316502784587
ESCA	FBXW9	cg22303873	0.0702763090550759	186	0.953036609996323	0.341828638537793	0.00493875961440455	0.540987022813734
ESCA	FKBP1A	cg04613791	0.289347314681045	186	4.08913397914737	6.47865966519826e-05	0.0837218685131315	0.000665371502323632
ESCA	FKBP1A	cg07516946	0.105230057249318	186	1.43147350632947	0.154000161299532	0.0110733649486946	0.321428647460178
ESCA	FKBP1A	cg10996143	-0.118801926445588	186	-1.61858553790955	0.107258661217072	0.0141138977271828	0.250460161810624
ESCA	FKBP1A	cg21332426	0.0220527216969264	186	0.298396256818567	0.765739287038999	0.000486322534242086	0.870078379588329
ESCA	FKBP1A	cg21775445	0.0696002080100811	186	0.943822965905404	0.346504522400741	0.00484418895504655	0.545855310848738
ESCA	FKBP1A	cg24641773	-0.106467305077273	186	-1.4484959633003	0.149189631510595	0.011335287050417	0.314626660043855
ESCA	FKBP1A	cg26779912	0.0592701802732314	186	0.803204188240424	0.422898718812294	0.00351295426962135	0.617945848382033
ESCA	FKBP2	cg03764062	-0.0793179517413622	186	-1.07638465476332	0.283172234926309	0.00629133746844507	0.480502134185257
ESCA	FKBP2	cg04446112	0.0848117726365425	186	1.15146111943081	0.251044750976055	0.00719303677775258	0.444677466267489
ESCA	FKBP2	cg06615912	-0.0233223710316524	186	-0.315585027657519	0.752677110947108	0.000543932990538058	0.86157506555039
ESCA	FKBP2	cg09854726	-0.160560165412549	186	-2.20056770290781	0.0290183657974505	0.0257795667173051	0.0963571260392207
ESCA	FKBP2	cg10998122	0.0761719483731612	186	1.03343746735681	0.30276299858401	0.00580216571896353	0.501130738549882
ESCA	FKBP2	cg12423493	-0.213368054227254	186	-2.95442434682637	0.0035443027320997	0.0455259265647243	0.0188375682681536
ESCA	FKBP2	cg15010817	-0.0138966507674023	186	-0.188008561806015	0.851078249832482	0.000193116902551142	0.92059624891931
ESCA	FKBP2	cg16977872	0.0108175427928552	186	0.146345569368085	0.883809679920327	0.000117019232075253	0.938431062699232
ESCA	FKBP2	cg19924313	0.0107066299743903	186	0.144844907860024	0.884992725567699	0.000114631925408514	0.939000243101301
ESCA	FKBP2	cg21809711	-0.162189324225695	186	-2.22349636229011	0.0274059835618521	0.0263053768927876	0.0922992807139148
ESCA	FKBP2	cg22074794	0.030907792213863	186	0.418312716258974	0.676208972325307	0.000955291619535328	0.812884395850588
ESCA	FKBP2	cg24677501	0.0368043133509815	186	0.49821706881627	0.618929285743918	0.00135455748123723	0.7738754838658
ESCA	FKBP5	cg00130530	0.00992056014233546	186	0.13420945455198	0.893384436072351	9.8417513537695e-05	0.94347561529545
ESCA	FKBP5	cg00140191	-0.129223358355325	186	-1.76288205357718	0.0795895569780112	0.0166986763446286	0.202286656937644
ESCA	FKBP5	cg00610228	-0.0553721467246336	186	-0.750211501950598	0.454090786466188	0.00306607463289435	0.644391438204133
ESCA	FKBP5	cg01294490	-0.149195615450469	186	-2.04112576742847	0.042674264556592	0.0222593316696443	0.128380901694401
ESCA	FKBP5	cg07485685	0.0012851370147228	186	0.0173850256543084	0.986148394760954	1.65157714661062e-06	0.99277163664877
ESCA	FKBP5	cg07843056	-0.135804006890289	186	-1.85430131558037	0.0653052363100416	0.0184427282874577	0.175196756793688
ESCA	FKBP5	cg08636224	0.0720545894259673	186	0.9772766638136	0.329722331484314	0.00519186385734472	0.529343326897478
ESCA	FKBP5	cg08915438	0.198061547196438	186	2.73347828609273	0.00688212584271263	0.0392283764778467	0.0319889989032322
ESCA	FKBP5	cg10913456	-0.134022767734274	186	-1.82953197158679	0.0689472213758979	0.0179621022711553	0.182283097356554
ESCA	FKBP5	cg16012111	-0.132392603298295	186	-1.8068792558898	0.0724237554344025	0.0175278014080998	0.188963430046415
ESCA	FKBP5	cg17030679	-0.0153756181194346	186	-0.208022097280923	0.835443043481502	0.000236409632554684	0.911829287492459
ESCA	FKBP5	cg20813374	-0.0568835326870021	186	-0.770754156081555	0.441846616601815	0.00323573629095324	0.634328923228788
ESCA	FKBP5	cg25114611	-0.0775134832148508	186	-1.05174735331091	0.294302296057939	0.00600834008009896	0.492068277586213
ESCA	FMR1	cg02921434	-0.148025497335781	186	-2.0247574614239	0.044345594893679	0.0219115478615053	0.132156803905871
ESCA	FMR1	cg03513471	-0.119055662349053	186	-1.62209214644134	0.10650517979545	0.0141742507373717	0.249089497550048
ESCA	FMR1	cg04552106	-0.150786363152957	186	-2.06339216994445	0.0404871270756798	0.0227365273128956	0.123443290759374
ESCA	FMR1	cg04744025	-0.171004664231159	186	-2.34789215659362	0.0199482606910879	0.0292425951888115	0.0726625926957201
ESCA	FMR1	cg05288927	-0.196356602702172	186	-2.70900020861404	0.00738941028448444	0.0385559154247386	0.0337869862272941
ESCA	FMR1	cg07147350	-0.0772360227217637	186	-1.04795997655209	0.296039141354532	0.0059654032058768	0.493995473241838
ESCA	FMR1	cg08434396	-0.171420385494034	186	-2.35377259171678	0.0196448601011125	0.0293849485629233	0.0718139214888687
ESCA	FMR1	cg14470409	-0.193647974258284	186	-2.67016457444207	0.00826390991028958	0.0374995379343371	0.0368456331706251
ESCA	FMR1	cg16783314	-0.134413657489911	186	-1.83496600430753	0.0681341364491981	0.018067031319815	0.180787838801009
ESCA	FMR1	cg22625568	-0.286290197980443	179	-3.96398956015928	0.000107026585089109	0.0819620774596811	0.00102097193873969
ESCA	FXR2	cg01807919	0.0651060217035781	186	0.882610525436279	0.378604649375611	0.00423879406206678	0.57717362519158
ESCA	FXR2	cg01933235	-0.0454638550216944	186	-0.6156602333738	0.538883726244121	0.00206696211343365	0.714452350996731
ESCA	FXR2	cg05529097	-0.267204485605113	186	-3.75106454699033	0.000236157392093988	0.0713982371274933	0.00199539786690124
ESCA	FXR2	cg05913233	-0.347277226022643	186	-5.00966841643631	1.27860248675132e-06	0.120601471713982	2.12673940248733e-05

ESCA	FXR2	cg09625173	-0.389408254222819	186	-5.71926600226218	4.29128316647995e-08	0.151638788456863	1.01965816326555e-06
ESCA	FXR2	cg17777561	-0.305891569772618	186	-4.34636139286274	2.29244058515465e-05	0.0935696524579563	0.000269922995128684
ESCA	FXR2	cg19178740	-0.0847268278598045	186	-1.15029950960561	0.251521467103394	0.00717863535918494	0.445255454817441
ESCA	FXR2	cg22521096	-0.258368415092944	186	-3.61798658956444	0.00038398229161551	0.0667542379176399	0.00300246440787386
ESCA	FXR2	cg26904212	0.0106117194805873	186	0.143560763649772	0.886005285315152	0.000112608590334675	0.93955691338341
ESCA	G2E3	cg02259031	0.188567741901079	186	2.59749572374863	0.0101546752031433	0.0355577932856719	0.0431655539453214
ESCA	G2E3	cg05076167	-0.322148260100093	186	-4.60334896375291	7.75685470231879e-06	0.103779501485517	0.000104708789642927
ESCA	G2E3	cg07906495	0.0781689748203243	186	1.06069588876995	0.290226014068126	0.00611038862446049	0.487779344922241
ESCA	G2E3	cg08810065	-0.0628979264140577	186	-0.852555466936756	0.395020279629482	0.00395614914718821	0.591631672212254
ESCA	G2E3	cg09837748	-0.207230003428927	186	-2.86556039495257	0.00465016761352748	0.0429442743211529	0.0233964001634172
ESCA	G2E3	cg18580322	0.0251501345894793	186	0.34033236660886	0.733996591859186	0.000632529269868921	0.850013857137869
ESCA	G2E3	cg18755078	-0.0545797086193727	186	-0.739442813850413	0.460585609949334	0.00297894459297562	0.650313636292704
ESCA	G2E3	cg18956956	-0.16522397009812	186	-2.26625569389234	0.0246063733877756	0.0272989602949845	0.0851828146728646
ESCA	G2E3	cg19554565	-0.00983053107005354	186	-0.132991385648473	0.894346317920454	9.66393411192879e-05	0.9440136169863
ESCA	G2E3	cg21061067	-0.270037959188269	186	-3.79395235750136	0.000201348987060219	0.0729204994025652	0.0017456528585047
ESCA	G2E3	cg22926526	-0.0815557432287745	186	-1.10695314738489	0.269767123891828	0.0066513392535978	0.465823129628892
ESCA	GADD45	cg01810953	0.0656757182709274	186	0.890366934062018	0.374437929939987	0.00431329997040223	0.573112665205827
ESCA	GADD45	cg02639608	0.0289350305982498	186	0.391589799582796	0.695816924903477	0.00083723599572165	0.825648468501682
ESCA	GADD45	cg04718306	-0.0382751700460218	186	-0.518156589076574	0.604974912506118	0.00146498864205189	0.763780949763887
ESCA	GADD45	cg07000785	0.0582280515823992	186	0.789033228280332	0.431113627479795	0.00339050599108254	0.625112863763339
ESCA	GADD45	cg22224769	-0.0946147349028353	186	-1.28569207121277	0.200175087511479	0.0089519480607338	0.383123081185552
ESCA	GADD45	cg23369529	-0.133378460869484	186	-1.82057690651723	0.0703046792013378	0.0177898138239126	0.184966762954069
ESCA	GADD45	cg23723105	0.0683668190699746	186	0.927018175070907	0.355138082711665	0.00467402194974664	0.554003729901768
ESCA	GATAD2A	cg02887458	0.0260306031749646	186	0.352254835603288	0.725052487888859	0.000677592301652476	0.844180035363175
ESCA	GATAD2A	cg08505228	0.0224073421005158	186	0.303197030985164	0.762084113513293	0.00050208898009546	0.867801155300336
ESCA	GATAD2A	cg08870822	0.102215874716102	186	1.39003137354433	0.166207831697752	0.010448085043978	0.338543433533608
ESCA	GATAD2A	cg09334331	-0.0859176411159687	186	-1.16658605792807	0.24489556729692	0.0073818410549324	0.437811409485823
ESCA	GATAD2A	cg11795262	-0.021467700838425	186	-0.290476616655035	0.771780549196642	0.000460862179288112	0.873510868626932
ESCA	GATAD2A	cg14948912	0.0908732734856214	186	1.23441830760036	0.218629848390561	0.00825795183399255	0.406411608802403
ESCA	GATAD2A	cg15264323	0.0975781381656079	186	1.32634206716128	0.186379325590889	0.00952149304786647	0.365344184095027
ESCA	GATAD2A	cg22191731	-0.107970950634307	186	-1.46919277585709	0.143497482916476	0.0116577261808759	0.306413130928974
ESCA	GATAD2A	cg26631329	0.0488289590957384	186	0.661334785132515	0.509229424032198	0.0023842672463733	0.691711229298612
ESCA	GATAD2E	cg02134200	0.292465717187326	186	4.13730225791823	5.35226567758337e-05	0.0855361957298971	0.000562839684295755
ESCA	GATAD2E	cg02940454	0.105126676646825	186	1.43005146791354	0.154407346850365	0.0110516181428061	0.321924400098553
ESCA	GATAD2E	cg09805553	0.189172081030603	186	2.60612886829901	0.00991133789523245	0.0357860762414491	0.0423165489409386
ESCA	GATAD2E	cg10226922	-0.0218855193708949	186	-0.296132747168286	0.767464490656315	0.000478975958133815	0.871163449049525
ESCA	GATAD2E	cg10489353	0.024902580707639	186	0.336980371161203	0.736517851399948	0.000620138525900476	0.851419506246334
ESCA	GATAD2E	cg15064304	-0.0207209435480118	186	-0.280367924214152	0.779511933227044	0.000429357501519892	0.878122032689401
ESCA	GATAD2E	cg20773694	0.0339102309329236	186	0.458993076198111	0.646783840367411	0.00114990376192421	0.792900849026795
ESCA	GATAD2E	cg23046518	-0.0402814988013888	186	-0.545360646025517	0.586169587232006	0.00162259914568629	0.750364049527354
ESCA	GATAD2E	cg23323627	0.231935348607314	186	3.22551926901406	0.0014895486410055	0.0537940059335961	0.0093489461745036
ESCA	GATAD2E	cg26398333	0.269750362747857	186	3.78959443968313	0.000204650687216997	0.0727652582026004	0.0017703319872522
ESCA	GLYR1	cg00636946	-0.147458035950359	185	-2.01130461728319	0.0457687108983964	0.0217438723663372	0.135273397501229
ESCA	GLYR1	cg00885266	0.0291477506239217	186	0.394471067101796	0.693692615444656	0.000849591366434329	0.824297722947113
ESCA	GLYR1	cg01261535	-0.0797183890885872	186	-1.08185345883708	0.280741176210777	0.00635502155887938	0.477961637460961
ESCA	GLYR1	cg01565912	0.0400830184058112	186	0.542669136998187	0.588017912190176	0.0016066483645206	0.751717507122451
ESCA	GLYR1	cg02454264	0.044225897544852	186	0.598862806247146	0.550004963907168	0.00195593001364775	0.722734571341638
ESCA	GLYR1	cg06399529	-0.0904363437471335	186	-1.22843401223171	0.220861573208354	0.00817873227034968	0.409088219670731
ESCA	GLYR1	cg06976003	-0.129777270446333	186	-1.77056776274287	0.0782974738111816	0.0168421399245008	0.199792491149246
ESCA	GLYR1	cg11289281	0.12178144545292	186	1.65978272046086	0.0986708150989072	0.0148307204566025	0.235886954605095
ESCA	GLYR1	cg15663121	0.272273626523961	186	3.82786666117388	0.000177325093513881	0.0741329277005094	0.00156919899042417
ESCA	GLYR1	cg18354686	0.106739863036674	186	1.45224681592663	0.14814535711438	0.011393398361088	0.313097181157218
ESCA	GTF2B	cg02705666	-0.309785305146232	186	-4.40751907249828	1.77859365928001e-05	0.095966935284544	0.000216321535834054
ESCA	GTF2B	cg04270788	0.0853308548460727	186	1.15856005794838	0.248145212461697	0.00728135478876152	0.441471142732071
ESCA	GTF2B	cg05306856	-0.180574162182343	182	-2.45629576836904	0.0149918082254323	0.0326070280478551	0.0583546366105269
ESCA	GTF2B	cg06356032	-0.161324384347479	185	-2.2052708142029	0.0286879664570068	0.0260255569850932	0.095471922593959
ESCA	GTF2B	cg07167781	-0.00143731667185628	186	-0.0194436796260457	0.984508348837749	2.06587921519602e-06	0.99189844047809

ESCA	GTF2B	cg10430205	-0.0587194697583546	186	-0.795715251607159	0.427228487538689	0.00344797612870232	0.621613573972447
ESCA	GTF2B	cg12074130	-0.30058918020425	186	-4.26346446141763	3.22035481037514e-05	0.090353855255863	0.000362448324823963
ESCA	GTF2B	cg13868361	0.126535808821093	186	1.7256151190033	0.0861046840358385	0.0160113109140083	0.214041469560122
ESCA	GTF2B	cg14010405	0.122488787302273	186	1.66956963244788	0.096714243954383	0.0150035030147816	0.23251998402682
ESCA	GTF2B	cg17811845	-0.0300327252582307	186	-0.406458523791422	0.684880659481669	0.000901964586436368	0.818665482018785
ESCA	GTF2B	cg22607980	-0.11159645611074	184	-1.51081390322504	0.1325797158134	0.0124537690164763	0.290066833872027
ESCA	GTF2H1	cg05849260	-0.279441905894621	186	-3.93706235748867	0.000117117404473116	0.078087778770018	0.001103297573696
ESCA	GTF2H1	cg07583091	-0.30719106939125	186	-4.36674524443387	2.1071028069328e-05	0.0943663531137397	0.000250527213453355
ESCA	GTF2H1	cg08690812	-0.289706356528453	186	-4.09467262416488	6.33846251862609e-05	0.083929773012991	0.000653105103541719
ESCA	GTF2H1	cg10797557	0.0383623612839182	186	0.519338692899406	0.604152116675058	0.00147167076327787	0.763076532092146
ESCA	GTF2H1	cg11063328	-0.0989350030550751	186	-1.34496645729125	0.180300515802115	0.00978813482950772	0.357448988947751
ESCA	GTF2H1	cg11176342	-0.157137309452866	186	-2.15245457125517	0.0326712100321769	0.0246921340220859	0.105177906610518
ESCA	GTF2H1	cg11347316	0.0407456800746409	186	0.551655465722418	0.581857422499525	0.00166021044474499	0.747194062824827
ESCA	GTF2H1	cg11662851	-0.0206524052544723	186	-0.279440159888612	0.780222626883031	0.000426521842794956	0.878617281429873
ESCA	GTF2H1	cg13777411	0.0107565362693875	186	0.145520144349333	0.884460371112589	0.00011570307251465	0.938737586093822
ESCA	GTF2H1	cg14132868	-0.0284117447754916	186	-0.384502180966954	0.701052726840943	0.000807227241187674	0.828714417746001
ESCA	GTF2H1	cg17174493	0.070721121594929	186	0.959099062662946	0.338774277520625	0.00500147703964473	0.538122432418928
ESCA	GTF2H1	cg18321761	0.0574387292584654	186	0.778301677250152	0.437396331216691	0.00329920761882729	0.630277848198107
ESCA	H2AFZ	cg02758870	0.149309940106472	186	2.04272547756288	0.0425138404722939	0.0222934582145981	0.128027008311138
ESCA	H2AFZ	cg09308803	-0.0603780529594149	186	-0.818272032103452	0.414266079534441	0.00364550927916991	0.609859499494783
ESCA	H2AFZ	cg16267491	-0.0214271240089909	186	-0.289927324519653	0.772200082953045	0.000459121643296675	0.873687620947252
ESCA	H2AFZ	cg17709884	-0.0981539606325429	186	-1.33424491456556	0.183781521974202	0.00963419998785478	0.362061885141336
ESCA	H2AFZ	cg20934652	-0.00327336497107634	186	-0.0442814977971249	0.964728300917051	1.07149182338696e-05	0.981470090909034
ESCA	H2AFZ	cg23752380	0.0402232388386634	186	0.544570600524979	0.586711849009962	0.00161790894267216	0.75080046028887
ESCA	H2AFZ	cg24061702	-0.0495745561164283	186	-0.67145777191814	0.502775656713581	0.0024576366141409	0.686300107707819
ESCA	H3F3A	cg06319713	-0.206169364658565	186	-2.85024113161767	0.00486995334140252	0.0425058069237165	0.0242652373176883
ESCA	H3F3A	cg10632229	0.0500823779333357	186	0.678353122856393	0.498404707579075	0.00250824457945747	0.682684401275468
ESCA	H3F3A	cg10983539	0.112506345736464	186	1.53168227634955	0.127327728023939	0.0126576778309728	0.282114815126152
ESCA	H3F3A	cg11978873	0.00156387370431136	186	0.0211557172141314	0.983144488067263	2.44570096303652e-06	0.991261224577221
ESCA	H3F3A	cg15538837	0.107313168115083	186	1.46013753302108	0.145966893278267	0.011516116050896	0.309989185564302
ESCA	H3F3A	cg15624314	0.191466239752167	186	2.63892959218851	0.00903384695436663	0.0366593209648343	0.0394553722191779
ESCA	H3F3A	cg16724613	-0.216126069534781	186	-2.99447223445493	0.00312963042596778	0.0467104779325532	0.0170435050302932
ESCA	H3F3A	cg16727519	0.110510850342792	186	1.5041762773278	0.134259873392105	0.0122126480434869	0.292541595682867
ESCA	H3F3A	cg18947521	0.143912358937071	186	1.96728892495531	0.0506612605569635	0.0207107670548323	0.1457302922787
ESCA	H3F3A	cg19410789	-0.0360551134228797	186	-0.48806187022445	0.626090277497136	0.00129997120393672	0.778801938088651
ESCA	H3F3A	cg21266749	-0.0824603503153501	186	-1.11931494215919	0.264472801357769	0.00679970937413025	0.460061204106041
ESCA	H3F3A	cg21789564	-0.0690010690887728	186	-0.935659224587008	0.350681730337173	0.0047611475353936	0.549664247006567
ESCA	H3F3A	cg22519151	-0.103928519724079	186	-1.41357378416448	0.159185884484362	0.0108011372120383	0.328614794814461
ESCA	H3F3A	cg27530209	0.205800784561052	186	2.84492003020208	0.00494848533589484	0.0423539629259446	0.024576255632061
ESCA	H3F3A	cg27560444	-0.301289314713113	186	-4.27438512852136	3.08018847672355e-05	0.0907752511602971	0.000348639869574032
ESCA	HAT1	cg00414306	-0.0918674761615004	186	-1.24803783221928	0.213611703301826	0.00843963317628384	0.400129584725129
ESCA	HAT1	cg01583365	-0.0439321181693488	186	-0.594877021795731	0.552660509528723	0.00193003100684563	0.724865731512584
ESCA	HAT1	cg04507121	0.0974219794524466	186	1.32419910666097	0.187088446937643	0.00949104208043292	0.366285608180873
ESCA	HAT1	cg04950839	-0.206245166050222	186	-2.85133561490627	0.00485394193338772	0.0425370685190835	0.0242016248684306
ESCA	HAT1	cg05421799	0.0583816849675894	186	0.791122185121816	0.42989682757892	0.00340842113965485	0.623943914266315
ESCA	HAT1	cg09545452	-0.193799852782918	186	-2.67234048182779	0.00821254653270058	0.0375583829386807	0.0366610582407756
ESCA	HAT1	cg10190161	-0.0808459892781333	186	-1.09725602339119	0.27397119939445	0.00653607398236004	0.470409541045552
ESCA	HAT1	cg12941622	-0.154750303789403	186	-2.11894898465246	0.0354437224895386	0.0239476565229125	0.11187652955251
ESCA	HAT1	cg13293756	-0.157418441605099	186	-2.15640326087137	0.0323571382182186	0.0247805657573779	0.104426102905957
ESCA	HAT1	cg14446129	-0.00184543126570782	186	-0.0249645739461532	0.980110421981043	3.40561655645196e-06	0.989790955439119
ESCA	HAT1	cg16017358	0.101120708303291	186	1.37498352671747	0.170817628378271	0.0102253976477593	0.344737244975204
ESCA	HDAC1	cg03762702	-0.103010055293675	186	-1.40094679514612	0.162923442572129	0.0106110714916059	0.3336790830733
ESCA	HDAC1	cg04967775	-0.0204532683576804	186	-0.276744578049815	0.782288567363864	0.000418336186511292	0.879784841043535
ESCA	HDAC1	cg06473843	-0.00470023968227322	186	-0.0635843662413311	0.949370579628679	2.20922530708159e-05	0.97315657784027
ESCA	HDAC1	cg10842753	-0.0241173742969373	186	-0.326348716063727	0.744533450977806	0.00058164774297857	0.856483814331392
ESCA	HDAC1	cg14172124	-0.138550962910123	186	-1.89253561403029	0.0599984070087502	0.0191963693233224	0.164679676634044
ESCA	HDAC1	cg20002354	-0.171021053252544	186	-2.3481239570996	0.0199362233297658	0.0292482006556096	0.0726255470716836

ESCA	HDAC1	cg20793809	-0.12091547491053	186	-1.64780448599167	0.101108694019627	0.0146205520728389	0.240128518212323
ESCA	HDAC1	cg21930229	-0.0604834422096315	186	-0.81970555686381	0.413450298013151	0.00365824678152583	0.609038883634756
ESCA	HDAC1	cg23018091	-0.289307004718117	186	-4.08851226797851	6.49458020115496e-05	0.0836985429789685	0.000666894630634436
ESCA	HDAC1	cg26115470	-0.0964194870755354	186	-1.3104442836681	0.191687906387126	0.00929671748790934	0.372162244864611
ESCA	HDAC10	cg00711351	-0.0445767562891191	186	-0.603623206031937	0.546841655054768	0.00198708720125952	0.720374567570878
ESCA	HDAC10	cg01120165	-0.0949557930509504	186	-1.29036870263793	0.198550693019479	0.00901660263393491	0.381184915980826
ESCA	HDAC10	cg04321608	-0.0868238810409494	186	-1.17898391700441	0.239935178615667	0.00753838631901293	0.431872218538344
ESCA	HDAC10	cg04586023	-0.0394998993143505	186	-0.534762075648944	0.593463535753226	0.00156024204584383	0.755477006227704
ESCA	HDAC10	cg07482373	-0.224094413989181	186	-3.11060365924587	0.00216617135527352	0.0502183063811542	0.0126684058346225
ESCA	HDAC10	cg07744063	-0.059331635574738	186	-0.804039944801555	0.422417133826472	0.00352024297997351	0.6174663206876
ESCA	HDAC10	cg09151829	-0.0318890595715734	186	-0.431606710839858	0.666535330372357	0.00101691212035936	0.806498213957701
ESCA	HDAC10	cg10508940	-0.0366152846051648	186	-0.495654757582249	0.620732711995883	0.00134067906671721	0.775234511203037
ESCA	HDAC10	cg11645658	-0.259841319708407	186	-3.64010084760853	0.000354509263631475	0.0675175114278065	0.00281042429990288
ESCA	HDAC10	cg12464820	-0.073319273890452	186	-0.994521487690937	0.321282238833659	0.00537571592382311	0.520737347913945
ESCA	HDAC10	cg26943378	-0.0372583106020163	186	-0.504371284692066	0.614607231345907	0.00138818170891632	0.770790848282879
ESCA	HDAC11	cg01409735	-0.0902392290717303	186	-1.2257345162885	0.221873668876951	0.00814311846346021	0.410299563200168
ESCA	HDAC11	cg01712016	0.104097981488756	186	1.41590393192571	0.15850337195949	0.0108363897500333	0.327645515178204
ESCA	HDAC11	cg02762546	-0.407288829276915	186	-6.03274359648302	8.73634562406249e-09	0.16588419045376	2.42121578724017e-07
ESCA	HDAC11	cg02941903	-0.161366926586669	186	-2.21191967866971	0.0282100660433063	0.0260392849960273	0.0943253622355784
ESCA	HDAC11	cg05987698	-0.0920899879992982	186	-1.251086522929	0.212499974946169	0.00848056588971088	0.398746274566122
ESCA	HDAC11	cg07450135	-0.160898542601612	186	-2.20532847211908	0.0286769674272952	0.0258883410113229	0.095440934991066
ESCA	HDAC11	cg08051076	-0.113157871897671	186	-1.54066698986523	0.12512523048755	0.0128047039724096	0.278591647983642
ESCA	HDAC11	cg08448040	-0.045942036654295	186	-0.622149275235866	0.534618097944058	0.00211067073194459	0.711285469084022
ESCA	HDAC11	cg10455785	-0.231428341723571	186	-3.21806886255334	0.00152663219211458	0.053559077352922	0.00953841657323602
ESCA	HDAC11	cg11432034	0.0361553783416642	186	0.489420885436153	0.625129877677743	0.00130721138302888	0.778118721739949
ESCA	HDAC11	cg13397067	-0.185778395734173	186	-2.55768864608155	0.0113474729989394	0.034513612321563	0.0470532122210699
ESCA	HDAC11	cg13706066	-0.0272802441771195	186	-0.369177701692689	0.712422076835561	0.000744211722363264	0.836396828476611
ESCA	HDAC11	cg16254764	-0.0553926735610385	186	-0.750490466325949	0.4539232318224	0.00306834828423977	0.644224174415146
ESCA	HDAC11	cg18521047	-0.105069892874275	186	-1.42927040607479	0.154631346204222	0.0110396823886116	0.322218705879818
ESCA	HDAC11	cg19779799	-0.124820267772395	186	-1.70184680022791	0.0904822914052615	0.0155800992467725	0.221615949676888
ESCA	HDAC11	cg20894727	-0.123314892517867	186	-1.68100304723463	0.0944682631502	0.0152065627166931	0.228636532480063
ESCA	HDAC11	cg20922324	-0.0126198710799808	186	-0.170732047676325	0.864623082438837	0.000159261146075337	0.928131895359529
ESCA	HDAC11	cg21655280	-0.0979494639525777	186	-1.33143815532629	0.184701038977938	0.00959409748859732	0.363185258207593
ESCA	HDAC11	cg25127083	0.0649051277322898	186	0.879875564691135	0.380080698680346	0.00421267560594485	0.5784942454441
ESCA	HDAC11	cg25150878	-0.064730846296123	186	-0.877502992744892	0.381364052247164	0.00419008246221231	0.579800955275965
ESCA	HDAC11	cg27025856	-0.120963944255549	186	-1.64847482010473	0.100970997668626	0.0146322758098595	0.239889377981709
ESCA	HDAC2	cg00161229	-0.147766420318558	186	-2.02113451668762	0.0447229612031679	0.0218349149737606	0.132960524471252
ESCA	HDAC2	cg01129566	0.0363590609734914	186	0.492181695215412	0.62318082226733	0.00132198131487406	0.776728478832505
ESCA	HDAC2	cg08198132	-0.184614994626926	186	-2.54110460798248	0.0118803625569134	0.0340826962410999	0.0487781194784402
ESCA	HDAC2	cg10999867	0.0283624741137545	186	0.383834853344588	0.701546441417653	0.000804429937853396	0.829040408886651
ESCA	HDAC2	cg13393754	-0.188775639766011	186	-2.60046525399135	0.010070376304877	0.0356362421690668	0.042865772283957
ESCA	HDAC2	cg15005908	-0.137836166320972	186	-1.88258226440443	0.0613439550861892	0.0189988087460627	0.167310298424955
ESCA	HDAC2	cg15242771	-0.190793501337309	186	-2.62930649366059	0.00928374256004595	0.0364021601525496	0.0402524156624906
ESCA	HDAC2	cg18387216	-0.212801300043251	186	-2.94620397193897	0.0036354210305499	0.0452843933000977	0.0192037715522916
ESCA	HDAC2	cg18674783	0.00187909782675123	186	0.0254200091115997	0.979747649147496	3.53100864250121e-06	0.989606312958884
ESCA	HDAC2	cg22867643	-0.216402467181266	186	-2.99848980487464	0.00309059210909165	0.0468300278021387	0.0168615977652483
ESCA	HDAC2	cg24023618	0.0484299865169937	186	0.655918382107816	0.512700456716857	0.00234546359403619	0.694558455896059
ESCA	HDAC3	cg01947930	0.147163196508885	186	2.0127006543661	0.0456120238807119	0.0216570064067128	0.134919904457445
ESCA	HDAC3	cg01961137	-0.159619736472197	186	-2.18734059420207	0.0299854656995534	0.0254784602714537	0.0986546550488922
ESCA	HDAC3	cg04284814	-0.18147684521038	186	-2.49642586567113	0.0134290065092707	0.0329338453475124	0.053642933626814
ESCA	HDAC3	cg08520975	-0.00119928265869446	186	-0.0162236067638882	0.987073676460783	1.43827889544526e-06	0.993189026535474
ESCA	HDAC3	cg10414058	0.120929556652441	186	1.64799923614174	0.101068673979463	0.0146239576721559	0.24007011766231
ESCA	HDAC3	cg11064797	0.100275525127216	186	1.36337396458501	0.174439619279666	0.0100551809395389	0.349805530294435
ESCA	HDAC3	cg11153694	0.0321636980743394	186	0.435327675036755	0.663837593900332	0.00103450347381727	0.804678298395065
ESCA	HDAC3	cg12082871	-0.0440717905515941	186	-0.596771975535502	0.551397198123494	0.00194232272242357	0.723850719386079
ESCA	HDAC3	cg14098966	-0.037498100395539	186	-0.507621910859319	0.612329764053908	0.00140610753327392	0.769041595249679
ESCA	HDAC3	cg17940889	0.000876206952611625	186	0.011853112503504	0.990555717973842	7.67738623804951e-07	0.994878273136453

ESCA	HDAC3	cg18671773	-0.0525127434261388	186	-0.71136072302718	0.477766491314557	0.00275758822213948	0.66541856518531
ESCA	HDAC3	cg19549288	-0.00970206553776326	186	-0.131253287470412	0.895719126214958	9.41300756990534e-05	0.944680113125637
ESCA	HDAC3	cg20642138	-0.0136443228281166	186	-0.18459416154113	0.853751771679907	0.000186167545437863	0.9219812780386
ESCA	HDAC3	cg23421926	0.0136546091808878	186	0.18473335163872	0.85364275060462	0.000186448351882786	0.921966206568838
ESCA	HDAC3	cg24385322	0.0139246899236866	186	0.188387978605926	0.850781267241399	0.000193896989470819	0.920447221424879
ESCA	HDAC6	cg07153944	-0.132823712206442	186	-1.81286847256306	0.0714908022213049	0.0176421385242997	0.187207333647643
ESCA	HDAC6	cg07674520	-0.163370553175451	155	-2.06828542781681	0.0402639171564882	0.0266899376448529	0.12304726474198
ESCA	HDAC6	cg10783042	-0.0175461558283041	186	-0.237396542658439	0.812614733112202	0.00030786758435113	0.899047027260703
ESCA	HDAC6	cg12510923	-0.138342361297251	181	-1.86363717635634	0.0640197372827176	0.0191386089292992	0.172617199576173
ESCA	HDAC6	cg13178935	-0.0506052540861057	186	-0.685453437096303	0.493925212018446	0.00256089174111932	0.6792126483731
ESCA	HDAC6	cg17152375	-0.119712622953767	186	-1.63117278563441	0.104573632197413	0.0143311120944708	0.245932499264353
ESCA	HDAC6	cg24616736	0.00719400531345017	186	0.0973212184442072	0.922577811880205	5.17537124499493e-05	0.959313216566313
ESCA	HDAC6	cg26680189	-0.0272565808362689	186	-0.368857232582419	0.712660535236367	0.000742921198884064	0.836505756872285
ESCA	HDAC9	cg00332048	-0.109225324989841	186	-1.48646631309326	0.138876646415388	0.0119301716191364	0.299530617184805
ESCA	HDAC9	cg02301805	0.0812608367162987	186	1.10292373619037	0.271508579069209	0.00660332358383295	0.46782295067687
ESCA	HDAC9	cg03260621	-0.0369820207355758	186	-0.500625966238385	0.617235943114707	0.00136766985768656	0.772637823058546
ESCA	HDAC9	cg07513622	0.0611505283531805	186	0.828780030590026	0.408308540477367	0.00373938711787313	0.604268484529748
ESCA	HDAC9	cg08146609	-0.00940282297206399	186	-0.127204654889804	0.898918086158832	8.84130798439742e-05	0.946592040644325
ESCA	HDAC9	cg08285151	-0.0575456903828268	186	-0.779755824268492	0.436541912819065	0.00331150648163616	0.629618109048284
ESCA	HDAC9	cg08725366	-0.0571068201807941	186	-0.773789511613054	0.440053729809711	0.00326118891116155	0.632665678373991
ESCA	HDAC9	cg10068437	0.0241785770317788	186	0.327177376027485	0.743907676980012	0.000584603587281662	0.856138733401134
ESCA	HDAC9	cg11321459	-0.03118754638706	186	-0.422102639272999	0.673445574951763	0.000972663049645016	0.811129217944193
ESCA	HDAC9	cg11765288	-0.0763606782052902	186	-1.03601299554228	0.301563129828271	0.00583095317597188	0.499953160895501
ESCA	HDAC9	cg12081743	0.00799315949058277	186	0.108132911764962	0.914008727832453	6.38905986418933e-05	0.954617411651983
ESCA	HDAC9	cg16475478	-0.0903482063809747	186	-1.2272269483515	0.22131371264419	0.00816279839625919	0.409672083030555
ESCA	HDAC9	cg18856632	0.0466790518464419	186	0.63215159283532	0.528076800301089	0.00217893388128281	0.70652242682607
ESCA	HDAC9	cg19585556	-0.0153253171607644	175	-0.203337187093428	0.839106390460882	0.000234865346078019	0.913883763076869
ESCA	HDAC9	cg20648975	0.0265718355364059	186	0.359584095301887	0.719572780671867	0.000706062443773805	0.840895972654156
ESCA	HDAC9	cg21433125	-0.0857649090770685	186	-1.16449688801107	0.24573853781146	0.00735561962899783	0.43869484876921
ESCA	HDAC9	cg23074799	0.0664599095903014	186	0.901045116786152	0.368748618835172	0.00441691958275103	0.567505981969911
ESCA	HDAC9	cg23385718	0.0215515275317928	186	0.291611390581702	0.770914054213757	0.000464468338953621	0.873101776609137
ESCA	HDAC9	cg24350771	-0.0469642693453531	186	-0.636022666350535	0.525556283488209	0.00220564259514287	0.704442280495559
ESCA	HDAC9	cg25620356	-0.0403302927198877	186	-0.546022329687868	0.585715609306632	0.00162653251087183	0.750130222583674
ESCA	HDGF	cg00692559	-0.168854771291432	186	-2.31750215538413	0.0215828599842683	0.0285119337878817	0.077171347594621
ESCA	HDGF	cg00746981	0.0628011030501747	186	0.851237865550976	0.395749725709431	0.00394397854431866	0.592478381961
ESCA	HDGF	cg01910231	0.0439039796662644	186	0.594495267224739	0.552915187516452	0.00192755943053576	0.72504819380792
ESCA	HDGF	cg02914429	-0.171125377713949	186	-2.34959953236085	0.0198597467219083	0.0292838948977418	0.0724079831505898
ESCA	HDGF	cg04402095	0.0344139895149214	186	0.46581974330292	0.641898464225029	0.00118432267433312	0.789649405830701
ESCA	HDGF	cg05762852	-0.0787081663219133	186	-1.06805777407441	0.286901344661722	0.00619497544575796	0.484273633193325
ESCA	HDGF	cg05967123	-0.0454334445103103	186	-0.615247569676733	0.539155574933978	0.00206419788007144	0.714600142759637
ESCA	HDGF	cg06106793	0.0114457371278206	186	0.154845205015887	0.877114002669231	0.000131004898399172	0.934920074586898
ESCA	HDGF	cg06119628	-0.208571668693994	186	-2.88495377870243	0.0043849264775131	0.043502140981797	0.0223436805129793
ESCA	HDGF	cg07313589	-0.0834289654494612	186	-1.13255451995101	0.258883108269568	0.00696039227596739	0.45358330949129
ESCA	HDGF	cg07892339	-0.0769278426977063	186	-1.04375356073722	0.297976244574837	0.00591789298212305	0.496152992668283
ESCA	HDGF	cg08597205	0.142639758871662	186	1.94952947271967	0.0527604724879794	0.020346100810966	0.150010659064599
ESCA	HDGF	cg08708935	0.0118562416777795	186	0.16039953868003	0.872743271557998	0.000140570466721916	0.932574070678172
ESCA	HDGF	cg09063372	-0.00520980594803018	186	-0.0704779050151193	0.943890244355903	2.71420780161306e-05	0.970017745263478
ESCA	HDGF	cg09477492	-0.0361222006063655	186	-0.488971184667738	0.625447604920395	0.00130481337664651	0.778322791329578
ESCA	HDGF	cg11588596	0.0323749044224032	186	0.438189290140602	0.661765875909944	0.00104813443635974	0.803142192676103
ESCA	HDGF	cg12220178	-0.0269257350257889	186	-0.364376701658958	0.715997417524744	0.000724995206678997	0.838544269460594
ESCA	HDGF	cg12421458	0.112939762623663	186	1.53765898326186	0.12585924946204	0.0127553899814893	0.279710024037865
ESCA	HDGF	cg13170934	-0.108473585230327	186	-1.47611351839267	0.141632039759021	0.011766518692721	0.303748319737079
ESCA	HDGF	cg13235992	0.0240785839878205	186	0.325823513066666	0.744930153345096	0.000579778206858527	0.856732449503687
ESCA	HDGF	cg14155849	0.0404685612399886	186	0.547897380132384	0.584430041024267	0.00163770444883471	0.749078036349631
ESCA	HDGF	cg15503799	-0.0282284594355823	186	-0.382019756973324	0.702889961638887	0.000796845922106317	0.830078964018211
ESCA	HDGF	cg17170583	-0.0502638512942406	186	-0.680817348076033	0.49684759618435	0.00252645474692953	0.681436538452519
ESCA	HDGF	cg17218029	-0.117545970917732	186	-1.60123306169937	0.111050128206859	0.0138170552789922	0.256650625759839

ESCA	HDGF	cg17971171	-0.0538175944454589	186	-0.729087529285191	0.466880197969712	0.00289633347189588	0.656066149832116
ESCA	HDGF	cg18593717	-0.0325984081179628	186	-0.441217584861775	0.659576327337301	0.00106265621182527	0.801873459639594
ESCA	HDGF	cg19599803	0.0212324245032223	186	0.287291679950554	0.774214045624601	0.000450815850285034	0.874923752864211
ESCA	HDGF	cg20284773	0.0103995999515781	186	0.140690788711566	0.88826896347602	0.000108151679152862	0.940662334363179
ESCA	HDGF	cg23747104	-0.0753281848595067	186	-1.02192429219731	0.308165767566024	0.00567433543422802	0.506731086916747
ESCA	HDGF	cg26431298	-0.126908465366029	186	-1.7307802386817	0.0851765693609388	0.0161057585815605	0.212351815051432
ESCA	HDGFL1	cg02685945	-0.0649327993775868	186	-0.880252278735479	0.379877175852182	0.00421626843500994	0.578331572403464
ESCA	HDGFL1	cg03930485	0.0244714648981266	186	0.331143008903194	0.740915341201372	0.000598852594260241	0.854325345034158
ESCA	HDGFL1	cg05276066	0.0735732864582154	186	0.9979856989926	0.319604069780087	0.00541302848026263	0.518927483290918
ESCA	HDGFL1	cg06566039	0.0205218193733228	186	0.277672503170248	0.781577213926995	0.000421145070391286	0.879321110278629
ESCA	HDGFL1	cg08671671	0.0269198881453379	186	0.364297520451578	0.716056437282679	0.000724680377757503	0.83856289394645
ESCA	HDGFL1	cg09081892	0.0239461711688496	186	0.324030715297216	0.746284823287692	0.000573419113647845	0.857555118801222
ESCA	HDGFL1	cg11894257	0.0504926463781256	186	0.683924250945006	0.494888116782762	0.00254950733826644	0.679925682128819
ESCA	HDGFL1	cg15317945	0.0416285736058511	186	0.563629485004685	0.573696329139873	0.00173293814045776	0.741019662434536
ESCA	HDGFL1	cg20209681	0.013616199909581	186	0.184213615706647	0.854049849751814	0.000185400899977674	0.922149565040356
ESCA	HDGFL1	cg21898884	0.163099485354528	186	2.23631401889304	0.0265390322521315	0.026601442122912	0.0900972059795904
ESCA	HIST1H1	cg00667898	-0.180454557006575	186	-2.48188835982651	0.0139703549513203	0.0325638471444391	0.0552661984786683
ESCA	HIST1H1	cg00700007	-0.182487995880228	186	-2.51081322215699	0.0129117312953403	0.0333018686403822	0.0520604967549344
ESCA	HIST1H1	cg03821311	-0.384851205131713	186	-5.64061879689498	6.34314065119554e-08	0.148110450091331	1.44624350474533e-06
ESCA	HIST1H1	cg04676561	-0.204950235309802	186	-2.83264567752511	0.00513406004529947	0.0420045989535433	0.0253152733196443
ESCA	HIST1H1	cg07138603	-0.186802499800211	186	-2.57229625164284	0.0108959225732718	0.034895173931608	0.0455939648574635
ESCA	HIST1H1	cg11206041	-0.192625150813196	186	-2.65551614701508	0.00861730162079384	0.0371044487258063	0.0380419000276947
ESCA	HIST1H1	cg14334286	-0.18456692411329	186	-2.54041961140204	0.011902846751392	0.034064949476641	0.048840659326852
ESCA	HIST1H1	cg18798248	-0.213472047716799	186	-2.95593303900599	0.00352780898874545	0.0455703151564035	0.0187575950017404
ESCA	HIST1H1	cg23460835	-0.195027675372769	186	-2.68993838852866	0.00780760939553616	0.0380357941613061	0.035278744571829
ESCA	HIST1H1	cg00903962	-0.102842808634209	186	-1.39864788979866	0.16361103586846	0.0105766432877726	0.334761235221351
ESCA	HIST1H1	cg04290376	-0.0507191852491702	186	-0.687000622129767	0.492952003261761	0.00257243575233965	0.678380728671907
ESCA	HIST1H1	cg07750111	-0.0306748140889274	186	-0.415156559095201	0.678513625990179	0.000940944219390259	0.814447784658634
ESCA	HIST1H1	cg08283682	0.0842948536218007	186	1.14439270306193	0.253955425812148	0.00710562234712081	0.448026492490891
ESCA	HIST1H1	cg10717387	-0.079473277243114	186	-1.0785058848505	0.282227578443145	0.00631600179576086	0.479359247137811
ESCA	HIST1H1	cg12633985	-0.00578135889668538	186	-0.0782100805896944	0.937746393393494	3.34241106922832e-05	0.96664874103142
ESCA	HIST1H1	cg15022984	-0.0205714498058961	186	-0.278344316596353	0.781062312297157	0.000423184547116502	0.879089717158936
ESCA	HIST1H1	cg16481032	-0.039983096691055	186	-0.541314165089364	0.588949431388811	0.00159864802100625	0.752364353998738
ESCA	HIST1H1	cg16482183	0.049535858238878	186	0.670932342462129	0.503109561038375	0.00245380125146222	0.686587232548362
ESCA	HIST1H1	cg17691542	0.0475385459788395	186	0.643817427393511	0.52049988126306	0.00225991335378223	0.700792103893708
ESCA	HIST1H1	cg20855557	-0.0155042975168927	186	-0.209763462563068	0.83408563526722	0.000240383241492325	0.911012396068489
ESCA	HIST1H1	cg23407813	-0.0774077980859781	186	-1.05030470673572	0.294963062560404	0.00599196720451955	0.492855287787793
ESCA	HIST1H3	cg00958605	-0.102769610924892	186	-1.39764178124206	0.163912651691832	0.0105615929296538	0.335175118247209
ESCA	HIST1H3	cg01043409	-0.0333791343526874	186	-0.451796318318846	0.651950734163717	0.00111416661013476	0.796567814372712
ESCA	HIST1H3	cg08041469	-0.0573056094073625	186	-0.776491937318738	0.438461040824888	0.00328393286954919	0.631145699983926
ESCA	HIST1H3	cg08401836	-0.0397795227292567	186	-0.538553684288461	0.590849334603344	0.00158241042856745	0.753729495569437
ESCA	HIST1H3	cg10075390	-0.0458814389565067	186	-0.621326926015169	0.535157724492759	0.00210510644071965	0.711671310948728
ESCA	HIST1H3	cg15479139	-0.0401982972145539	186	-0.54423237650498	0.586944066701296	0.00161590309894962	0.750888923733613
ESCA	HIST1H3	cg15797414	-0.055579322681179	186	-0.753027114164142	0.452401256661128	0.00308906110969862	0.642826414376441
ESCA	HIST1H3	cg21209604	-0.0505711683974359	186	-0.684990558709203	0.494216572633392	0.00255744307308182	0.679363041297198
ESCA	HIST1H3	cg23099349	-0.0263092700831965	186	-0.356028447662944	0.722229360031868	0.00069217769231058	0.842608140886609
ESCA	HIST1H3	cg25701114	-0.0396549460872742	186	-0.536864447233114	0.5920133535674	0.00157251474918462	0.754482890072237
ESCA	HLTF	cg00906762	-0.19533389891447	186	-2.69432941665042	0.00770942255866228	0.0381553320651282	0.0349380646934972
ESCA	HLTF	cg02059813	-0.263132456848055	186	-3.68961290355021	0.000296072464958321	0.0692386898468935	0.00241838107297014
ESCA	HLTF	cg02398045	-0.231229549590679	186	-3.21514839209848	0.00154140100227008	0.0534671046039082	0.00961139384182421
ESCA	HLTF	cg02611507	-0.181867455293052	186	-2.50198276471463	0.0132270674070055	0.0330757712947702	0.053035072768817
ESCA	HLTF	cg02710346	-0.152456458923723	186	-2.08678689519132	0.038293099169655	0.0232429718675609	0.118518932039154
ESCA	HLTF	cg03678609	-0.242411065378495	186	-3.38009197862048	0.000885688719170724	0.0587631246179371	0.00606845765537848
ESCA	HLTF	cg04120413	-0.279768780050597	186	-3.94205851758914	0.000114891692018689	0.0782705702909991	0.00108508975220371
ESCA	HLTF	cg04731810	-0.247860955204353	186	-3.46099919865773	0.000669776112546995	0.0614350531148144	0.00480049409429528
ESCA	HLTF	cg04836786	-0.249170197402674	186	-3.48048753422668	0.000625713612836281	0.0620857872736873	0.00453355358079404
ESCA	HLTF	cg05555455	-0.259194412040086	186	-3.6303848029569	0.000367185610349168	0.0671817432328056	0.00289498706511636

ESCA	HLTF	cg07275648	-0.19016846812675	186	-2.62036923374201	0.0095213797238041	0.0361640462696746	0.0409886677125569
ESCA	HLTF	cg09352720	-0.241860609270264	186	-3.37193916397516	0.00091072833134086	0.0584965543165835	0.00620721918769326
ESCA	HLTF	cg09392355	-0.174090690488695	186	-2.39157546686666	0.0177896854022066	0.0303075685148307	0.0665511318191518
ESCA	HLTF	cg15438497	-0.235302004573836	186	-3.27506273088075	0.00126346105969707	0.0553670333564653	0.00815460942621897
ESCA	HLTF	cg16724124	0.188966952486723	186	2.60319820896965	0.00999334908203904	0.0357085091321196	0.04260222812819
ESCA	HLTF	cg20117402	-0.280846700252079	186	-3.95854471322622	0.000107829220611075	0.0788748690424814	0.00102749465803748
ESCA	HLTF	cg21089667	-0.182944488783798	186	-2.51731121824493	0.0126839881404816	0.0334686859763651	0.0513631863724235
ESCA	HLTF	cg21111416	-0.269099381568731	186	-3.77973422926474	0.000212311342169484	0.0724144771606735	0.0018234211252741
ESCA	HLTF	cg21835021	-0.367078464261237	186	-5.33842067020005	2.75433487894295e-07	0.134746598924388	5.3945298986024e-06
ESCA	HLTF	cg21926402	-0.241433571798209	186	-3.3656166871605	0.00093060013998755	0.058290169591241	0.00632437383508268
ESCA	HLTF	cg24041269	-0.217874643007027	186	-3.01990134927309	0.00288998504743259	0.0474693600654393	0.0159766555414988
ESCA	HLTF	cg24710191	0.237678450967898	186	3.25539302434206	0.00135683938746725	0.0564910460544993	0.00865267344115316
ESCA	HLTF	cg25951608	-0.226502183584101	186	-3.14582260735668	0.00193340646911173	0.0513032391683658	0.01156624291434
ESCA	HLTF	cg26151310	-0.238660057947192	186	-3.32460391914678	0.00106966705109494	0.0569586232593571	0.00710127541488196
ESCA	HLTF	cg27554556	-0.194311321720272	186	-2.67966957722688	0.00804165175354056	0.0377568897486789	0.0360759043028046
ESCA	IDH1	cg00707300	0.0770670020777527	186	1.04565293987985	0.297100503769519	0.00593932280925233	0.495139925667773
ESCA	IDH1	cg01046174	0.0287865832739823	186	0.389579129750028	0.697300785682334	0.000828667376589915	0.826439216937924
ESCA	IDH1	cg02241586	-0.0202327657574706	186	-0.273759821526826	0.784577943514341	0.000409364810196675	0.881045676376207
ESCA	IDH1	cg03448938	-0.0607444973542692	186	-0.823256597516579	0.411433627921754	0.00368989395882281	0.607240656676507
ESCA	IDH1	cg05268564	0.0494081226239069	186	0.669198003852327	0.504212551001301	0.00244116258121902	0.687496987112654
ESCA	IDH1	cg07129696	0.156462283051887	186	2.14297556144164	0.0334359159660423	0.0244804460178088	0.10699328068209
ESCA	IDH1	cg07915542	-0.0860426257625612	186	-1.16829574228664	0.244207241286203	0.00740333344811616	0.436953358678386
ESCA	IDH1	cg09406631	-0.0649896410517462	186	-0.881026111796943	0.379459318178844	0.00422365344403482	0.577955560310224
ESCA	IDH1	cg09615745	-0.0735640914235273	186	-0.997860294144978	0.319664718652888	0.00541167554696909	0.519003392436105
ESCA	IDH1	cg10356455	0.108617943980283	186	1.47810139598933	0.141099707218557	0.0117978577545038	0.303048248898716
ESCA	IDH1	cg14772913	-0.0952041983445838	186	-1.29377515518365	0.197373617282295	0.00906383938243485	0.379694927739531
ESCA	IDH1	cg15399923	-0.133271303916279	186	-1.81908778625034	0.0705325380019739	0.0177612404475452	0.185403218831747
ESCA	IDH1	cg16085695	-0.0941721462001854	186	-1.27962392105648	0.202297370186397	0.0088683931199491	0.38583705051193
ESCA	IDH1	cg16863783	0.0740644894319617	186	1.00468525631937	0.31637503257283	0.00548554859481717	0.515641392050674
ESCA	IDH1	cg24324379	-0.0460948199892557	186	-0.624222672637334	0.533258761942022	0.00212473242984189	0.710343733025627
ESCA	IDH1	cg24830471	0.160908749509824	186	2.20547208974403	0.0286667229134854	0.0258916256688154	0.0954175527268392
ESCA	IDH1	cg24987806	-0.0790240406681461	186	-1.07237102215682	0.284965546909417	0.00624479900352081	0.48215567865798
ESCA	IDH1	cg25795625	0.0988269033950179	186	1.34348240005503	0.180779384499966	0.00976675683464819	0.357924041478936
ESCA	IDH1	cg26105702	-0.0859226424496337	186	-1.1666544708804	0.244867997620702	0.0073827004855276	0.437811409485823
ESCA	ING2	cg02075087	-0.108311933938151	186	-1.47388762773424	0.142229954454287	0.0117314750334224	0.304587721929887
ESCA	ING2	cg02552216	0.0284934698113814	186	0.385609080626825	0.700234080694879	0.000811877821892104	0.828282188371254
ESCA	ING2	cg10348863	-0.199845020926833	186	-2.75911145620436	0.00638490676674592	0.0399380323892462	0.0301162576251884
ESCA	ING2	cg17985608	0.197274819948066	186	2.72217996303133	0.0071122183319837	0.038917354585542	0.0328068729865603
ESCA	ING3	cg01382559	-0.198488021599097	186	-2.73960525366111	0.00676018845036735	0.0393974947183237	0.0315062365389335
ESCA	ING3	cg01416111	-0.275426803979886	186	-3.87581327169653	0.000147956675657293	0.0758599243505745	0.00134637286537413
ESCA	ING3	cg10268125	-0.0402831384453187	186	-0.545382880814942	0.58615432938027	0.00162273124300472	0.750364049527354
ESCA	ING3	cg14303833	-0.213547182741512	186	-2.95702313067317	0.0035159354342238	0.0456023992568368	0.0187072485582386
ESCA	ING3	cg16130600	0.0339453845826147	186	0.459469448245016	0.646442431820888	0.00115228913446162	0.792699933621946
ESCA	ING3	cg18485114	-0.228784510692789	186	-3.17926279098983	0.00173403507390256	0.0523423523329389	0.0105851792639027
ESCA	ING3	cg19478983	-0.0454260817197607	186	-0.615147658547599	0.539221403374829	0.00206352890041037	0.714619929372086
ESCA	ING3	cg19960827	-0.214833365186168	186	-2.97569217190373	0.00331819584986156	0.0461533747972135	0.0178492413182223
ESCA	ING3	cg20553930	-0.158836437027099	186	-2.17632817419129	0.0308118258020948	0.0252290137274636	0.100641356025031
ESCA	ING3	cg24859794	-0.1559546812461	186	-2.13584962803079	0.0340209103708422	0.0243218626025727	0.108423707553843
ESCA	ING4	cg00369908	-0.0287935518738753	186	-0.389673516549039	0.697231102689667	0.000829068629513548	0.826399219851686
ESCA	ING4	cg00443163	-0.182106924168189	186	-2.50539010345375	0.0131045867426414	0.0331629318299986	0.0526551611209148
ESCA	ING4	cg00591160	-0.224241746788662	186	-3.11275699596013	0.0021512276164166	0.0502843610028305	0.0125952134561235
ESCA	ING4	cg03930474	-0.123935108245316	186	-1.68958925280938	0.0928094530777441	0.0153599110557781	0.225816113368468
ESCA	ING4	cg04375284	-0.226584412218533	186	-3.14702645156363	0.00192587542475745	0.051340495860418	0.0115309438000139
ESCA	ING4	cg08733494	-0.165924660422037	186	-2.27613804426803	0.0239960558352515	0.0275309929361684	0.0835832886024697
ESCA	ING4	cg12392916	-0.210802240087121	186	-2.9172337989544	0.00397392716455172	0.0444375844257481	0.0206511482858475
ESCA	ING4	cg18123790	0.191942839788077	186	2.64574939049577	0.00886043211609847	0.0368420537459114	0.038868188566582
ESCA	ING4	cg23354319	-0.245528943170919	186	-3.42633667897562	0.0007554141647703	0.0602844619346286	0.00531104288604977

ESCA	ING4	cg27116036	-0.242669603270616	186	-3.38392238403648	0.000874147955850304	0.0588885363515182	0.00599995289195505
ESCA	INO80	cg00734724	-0.0128385375256914	186	-0.173690831643079	0.862300424185247	0.000164828045798586	0.926813014811853
ESCA	INO80	cg06380007	-0.0237702293278016	186	-0.321648584555416	0.748086026882268	0.000565023802296281	0.858681902631849
ESCA	INO80	cg12580230	-0.0225946205125185	186	-0.305732411624283	0.760155897538324	0.000510516876104721	0.866544083541116
ESCA	INO80	cg18952654	-0.00430559593248691	186	-0.0582455620681354	0.953616580628644	1.85381563338478e-05	0.975472357673466
ESCA	INO80	cg21007089	-0.120681509221306	186	-1.64456889380466	0.101775453759783	0.0145640266679323	0.241262749483152
ESCA	INO80	cg21598047	-0.153334805554362	186	-2.09909811712109	0.0371800033673754	0.023511562594394	0.11602475759002
ESCA	INO80	cg22835709	-0.257690300813515	186	-3.6078144520154	0.000398301128338696	0.0664042911333599	0.00309421190113646
ESCA	INO80	cg26409855	-0.00478411900127225	186	-0.0647191029148923	0.94846829553167	2.28877946183342e-05	0.972619130288839
ESCA	INO80	cg27441689	-0.245143143145844	186	-3.42060835518268	0.000770517575452051	0.0600951606314239	0.00539625893632669
ESCA	INTS12	cg00093890	0.130809668770645	186	1.78489712874155	0.0759344697985643	0.0171111694438858	0.195636567097516
ESCA	INTS12	cg01852585	-0.0397064036617744	186	-0.537562199725273	0.591532417833939	0.00157659849175177	0.754149080484138
ESCA	INTS12	cg03607115	0.0596044608228125	186	0.807750321306865	0.420283032291961	0.00355269174997819	0.615525776838752
ESCA	INTS12	cg19703969	-0.0236989310611892	186	-0.320683263904838	0.748816331575355	0.000561639333442997	0.859284170624241
ESCA	INTS12	cg26533745	0.059803822362748	186	0.810461718825947	0.41872756041818	0.00357649716919512	0.614184283333747
ESCA	IWS1	cg02372421	-0.0079080929103765	186	-0.106982043274502	0.914920416806464	6.25379334791471e-05	0.955027290848176
ESCA	IWS1	cg02592214	0.113440855669106	186	1.54457003531394	0.124177822655631	0.0128688277349388	0.277196256403792
ESCA	IWS1	cg10180764	0.0337730155833936	186	0.457133668019523	0.648117166656424	0.00114061658159615	0.793909851717419
ESCA	IWS1	cg10488833	-0.311828937081713	186	-4.43971561603468	1.55454052361529e-05	0.0972372860015112	0.000192447367113507
ESCA	IWS1	cg15239145	-0.359416651619691	186	-5.2102627317381	5.0507110655113e-07	0.12918032946151	9.31519716999492e-06
ESCA	IWS1	cg17144508	-0.152196472462053	186	-2.0831438040052	0.0386279106259609	0.0231637662298924	0.119336788818395
ESCA	IWS1	cg18451256	0.217163760745724	186	3.00955948113995	0.00298533361850725	0.0471600989812259	0.0163965718383333
ESCA	IWS1	cg18530950	-0.22590446410238	186	-3.13707399933269	0.0019889606142519	0.0510328269013836	0.0118430311538548
ESCA	IWS1	cg19311602	-0.108237221255477	186	-1.47285889609556	0.142506949925572	0.011715296065107	0.30495930631612
ESCA	IWS1	cg19409088	-0.0299224835078226	186	-0.40496518849032	0.685976082862203	0.000895355019275918	0.819232781550233
ESCA	IWS1	cg21581038	0.083821584446298	186	1.13792197628655	0.256640670399396	0.00702605801908787	0.450995150399843
ESCA	IWS1	cg21679674	-0.361415693786493	186	-5.2435818918708	4.31822539746396e-07	0.130621303715172	8.08695297473066e-06
ESCA	IWS1	cg22409775	-0.16841167998871	186	-2.31124304742313	0.0219337606641605	0.0283624939566197	0.0780779251902488
ESCA	IWS1	cg23570261	0.197736530262321	186	2.72880999787302	0.00697636643006471	0.0390997354001819	0.0323124226042185
ESCA	IWS1	cg23623107	0.166163714925424	186	2.27951041572951	0.0237908340781436	0.0276103801578175	0.0830469418592434
ESCA	JADE1	cg09863040	-0.107806616536679	185	-1.46693031808025	0.144111418141334	0.0116222665690866	0.307307593603905
ESCA	JADE1	cg12832492	-0.105177683935094	185	-1.43075308616321	0.154206342985528	0.0110623451979506	0.321642498509955
ESCA	JADE1	cg14617908	0.176014100877942	185	2.41883838537659	0.0165495528436966	0.0309809637078704	0.0629101350560729
ESCA	JADE1	cg15389440	0.0503184022316528	185	0.681558107993865	0.496380031275682	0.0025319416031464	0.681112775505821
ESCA	JADE1	cg15836763	-0.0254936071817874	185	-0.344983250318428	0.730503141431907	0.000649924007139283	0.847624206258361
ESCA	JADE1	cg20039387	0.0564380318136788	185	0.764698392703077	0.445436128774762	0.00318525143500182	0.637388408231318
ESCA	JADE1	cg22922695	-0.133023919322744	185	-1.81565022265675	0.0710608721003156	0.017695363111984	0.186395221666058
ESCA	JADE1	cg26766900	-0.0242116470185842	185	-0.327625131635997	0.743569619072092	0.000586203851352517	0.85593961240725
ESCA	JADE2	cg04590931	-0.105660317475311	185	-1.43739239950486	0.152314184859035	0.0111641026889834	0.319048162226332
ESCA	JADE2	cg04842522	-0.0184183690221608	185	-0.249201350541377	0.803484512708506	0.000339236317436492	0.89295953058823
ESCA	JADE2	cg17378563	-0.28426763938434	185	-4.01097422733073	8.80131442265371e-05	0.0808080908011451	0.000862112130692424
ESCA	JADE2	cg18145011	-0.15601598789098	185	-2.13671018498457	0.0339497989063092	0.0243409884775983	0.108272482110336
ESCA	JADE2	cg21194015	-0.0740996244368879	185	-1.00516449362856	0.316144881040817	0.00549075434168783	0.515406657355491
ESCA	JADE2	cg25669900	-0.156193718491762	185	-2.13920511969649	0.0337443556129589	0.0243964776962837	0.107749800950397
ESCA	JADE2	cg26133206	-0.0672890679284796	185	-0.91233743129951	0.36279142900991	0.00452781866268354	0.5617746457612
ESCA	JADE3	cg10860619	-0.0791350255905931	185	-1.07388659270782	0.284287474112662	0.00626235227522383	0.481554234227245
ESCA	JADE3	cg17843048	-0.0807160796009309	185	-1.09548129452801	0.274745472882749	0.00651508550614381	0.471208565388139
ESCA	JADE3	cg19194595	-0.094121904726126	185	-1.27893512949201	0.20253930996454	0.00885893294927395	0.386175414312919
ESCA	JARID2	cg01769037	-0.298443249301213	186	-4.2300394161168	3.68834275778172e-05	0.0890683730534663	0.000407688173485182
ESCA	JARID2	cg03223185	0.0875084439912202	186	1.18835106703917	0.236235029331828	0.00765772776976453	0.42751687421407
ESCA	JARID2	cg05197191	-0.283809779817284	186	-4.00394744714431	9.0451733695274e-05	0.0805479911199355	0.00088373194058044
ESCA	JARID2	cg06047828	0.00424598518564204	186	0.0574391407164925	0.954258053495458	1.80283901966917e-05	0.975725807911641
ESCA	JARID2	cg14862454	0.122083443663116	186	1.66396090832163	0.0978316606520172	0.0149043672166453	0.234385026909027
ESCA	JARID2	cg15109221	0.0277429474583419	186	0.375444148981255	0.707764987575208	0.000769671133676321	0.833470117670422
ESCA	JARID2	cg21397480	-0.181704790296847	186	-2.49966851049875	0.0133108367610514	0.0330166308168211	0.0532830727070719
ESCA	JARID2	cg21901688	-0.315429226993841	186	-4.4966031073122	1.22329952989225e-05	0.0994955972419318	0.000156393366686011
ESCA	JARID2	cg25338254	-0.311694404867553	186	-4.43759402755752	1.5684284692687e-05	0.0971534020257382	0.000193919778032882

ESCA	JMJD6	cg02318866	-0.00785971118784836	186	-0.10632748643734	0.915438990640467	6.17750599563887e-05	0.955273787228497
ESCA	JMJD6	cg04510639	-0.0127068422400731	186	-0.171908854782781	0.863699141336803	0.000161463839714107	0.927598688495275
ESCA	JMJD6	cg07312083	-0.343737645251239	186	-4.95172655552864	1.66423765541246e-06	0.118155568762866	2.68493787152959e-05
ESCA	JMJD6	cg08857478	0.139830304861054	186	1.9103576453041	0.0576507775154194	0.0195525141575352	0.159906035798286
ESCA	JMJD6	cg10712116	0.00536910422255155	186	0.0726329425778997	0.942177535143653	2.88272801526208e-05	0.96920435343448
ESCA	JMJD6	cg12504415	-0.0849079882510029	186	-1.15277688718042	0.250505537860797	0.00720936646883244	0.444187263518401
ESCA	JMJD6	cg15457598	0.0260223894014176	186	0.352143608739388	0.725135756738793	0.000677164750159014	0.844251714504141
ESCA	JMJD6	cg21102709	-0.0317524391619368	186	-0.429755733563572	0.667878931543442	0.0010082173927325	0.807349801258976
ESCA	JMJD6	cg21807925	-0.138949025359887	186	-1.89807983240035	0.0592596698056912	0.0193068316484626	0.163187610260905
ESCA	JMJD6	cg23630158	-0.218319594299468	186	-3.02637703758986	0.00283171663284757	0.0476634452550844	0.0157176025662076
ESCA	JMJD6	cg25004679	0.0417851269905254	186	0.565752837769863	0.572254851183845	0.00174599683761434	0.739882562332697
ESCA	JMJD6	cg25908504	-0.122880976864778	186	-1.67499715146501	0.0956427496428064	0.015099734475242	0.230648870044434
ESCA	JMJD6	cg26612088	0.0139858168466122	186	0.189215129911281	0.850133901463252	0.000195603072866981	0.920107198370381
ESCA	JMJD8	cg00873473	-0.0997398653289508	186	-1.35601760693241	0.176764422182143	0.00994804073583724	0.3528197114851
ESCA	JMJD8	cg02851105	-0.0922002200154589	186	-1.25259690952045	0.211950764275772	0.00850088057089902	0.398070972600117
ESCA	JMJD8	cg03899598	-0.0702437104648252	186	-0.952592338807985	0.342053165968138	0.0049341788598662	0.541259727301256
ESCA	JMJD8	cg05787952	-0.0372356898332146	186	-0.504064638692098	0.614822268905733	0.00138649659735536	0.770883771250747
ESCA	JMJD8	cg06191810	-0.105688393202321	186	-1.43777865277939	0.152204656222199	0.0111700364576885	0.318920389491288
ESCA	JMJD8	cg06646636	-0.0594299642951502	186	-0.805377177623031	0.42164725924275	0.00353192065612283	0.61676902178385
ESCA	JMJD8	cg08398290	-0.0767940799887508	186	-1.04192789831778	0.29881963424077	0.00589733072131866	0.497051738497634
ESCA	JMJD8	cg26750188	-0.0913850699667172	186	-1.24142891034521	0.216036212480992	0.00835123101282179	0.403242024899139
ESCA	JMJD8	cg27579097	-0.239130527913587	186	-3.33155478568394	0.00104480927636685	0.0571834093802307	0.00696242199331088
ESCA	KAT2B	cg00770008	-0.159397687900492	186	-2.18421838008092	0.0302177797192681	0.0254076229080228	0.0992259489038344
ESCA	KAT2B	cg04371528	-0.180099868562492	186	-2.47684643871097	0.0141625931750467	0.0324359626562271	0.0558279591314711
ESCA	KAT2B	cg05072819	-0.132369163751105	186	-1.8065536499639	0.0724747624705917	0.0175215955121668	0.189071149283609
ESCA	KAT2B	cg12062464	-0.0657004191242788	186	-0.890703255463888	0.374257908130823	0.0043165450731059	0.572904756102503
ESCA	KAT2B	cg14937543	-0.224730797304172	186	-3.11990630659518	0.002102293506275	0.050503931256969	0.0123693276105071
ESCA	KAT2B	cg18053505	-0.196473946476369	186	-2.71068410422617	0.00735345891395417	0.0386020116439989	0.0336582126825224
ESCA	KAT5	cg00582417	-0.218854367360496	186	-3.03416258801791	0.00276309450663721	0.047897234112763	0.0154187055483348
ESCA	KAT5	cg02561205	-0.153125414065367	186	-2.09616274947386	0.037442846530194	0.0234473924326902	0.116656716158602
ESCA	KAT5	cg05785768	-0.301532169086918	186	-4.2781749350877	3.03292712723456e-05	0.0909216489942615	0.000344242096492683
ESCA	KAT5	cg07564927	-0.241940548930809	186	-3.3731229367658	0.000907052032252771	0.0585352292169413	0.00619261977146511
ESCA	KAT5	cg14726348	-0.295889741929775	186	-4.19035765225472	4.32859670042844e-05	0.0875507393792686	0.000468408473658548
ESCA	KAT5	cg18896539	0.172742866449483	186	2.37248790132321	0.0187061210964783	0.029840097909184	0.0691350650662468
ESCA	KAT5	cg20108992	-0.103464740766403	186	-1.4071973265264	0.161065043442208	0.010704952581859	0.331198297460962
ESCA	KAT5	cg20423942	-0.0942643839008202	186	-1.28088849065049	0.201853739839651	0.00888577407220121	0.385245941882825
ESCA	KAT5	cg22048492	0.0323540816996327	186	0.437907162407721	0.661970011736762	0.00104678660262651	0.803314745781201
ESCA	KAT6A	cg10163397	-0.330216530385577	186	-4.7325582937367	4.42364683719016e-06	0.109042956939889	6.38753189511276e-05
ESCA	KAT6A	cg12468056	0.0983956216897407	186	1.33756198260417	0.182699235792689	0.00968169836771057	0.360559738939507
ESCA	KAT6A	cg15251374	-0.475023963255256	186	-7.30250370073331	8.3862350256317e-12	0.225647765666731	4.04212371489462e-10
ESCA	KAT6A	cg20966972	0.275263618040141	186	3.87332859492261	0.000149357677842059	0.0757700594165485	0.00135753372941291
ESCA	KAT6B	cg04396765	-0.0710032548717127	186	-0.962944619944108	0.336846006350942	0.00504146220237739	0.536439194745771
ESCA	KAT6B	cg06972998	-0.0428240942106596	182	-0.573473420463249	0.567043979793921	0.00183390304496345	0.735823508992298
ESCA	KAT6B	cg09631472	-0.0848735685566	186	-1.15230618725357	0.25069834106623	0.00720352263953187	0.444303961582474
ESCA	KAT6B	cg10359932	-0.162854165363189	186	-2.2328586400106	0.0267703607765306	0.0265214791761409	0.0906688774543698
ESCA	KAT6B	cg10739686	-0.0724247261027883	186	-0.982323232266355	0.327237547901231	0.0052453409510639	0.526737147960119
ESCA	KAT6B	cg11128436	-0.0327069090900991	186	-0.442687709344012	0.658514440704585	0.00106974190222801	0.80125865957883
ESCA	KAT6B	cg11348552	0.149827500512936	186	2.04996859223727	0.041793897737481	0.0224482799099538	0.126421746659522
ESCA	KAT6B	cg15874302	-0.0816944631115571	186	-1.10884862698958	0.268950601654516	0.00667398530308556	0.464847533427316
ESCA	KAT6B	cg15912797	0.089672158840825	186	1.21796926811013	0.224803682556508	0.00804109607117415	0.414125873835564
ESCA	KAT6B	cg17147776	-0.102005981627209	186	-1.38714699873177	0.167084053560775	0.0104052202877306	0.339776156390195
ESCA	KAT6B	cg18462764	-0.148998589494467	186	-2.03836903958582	0.0429519290879602	0.0222005796713406	0.128966071784262
ESCA	KAT6B	cg18491775	0.245127908580214	186	3.42038218924157	0.00077111964993113	0.0600876915649096	0.00539950333454026
ESCA	KAT6B	cg24671245	-0.0682294306350276	186	-0.925146538300662	0.356108048469819	0.00465525520478004	0.554893731049796
ESCA	KAT6B	cg26605858	0.299431539861456	186	4.24542424766731	3.46537623391066e-05	0.0896592470638028	0.000386592213659436
ESCA	KDM1A	cg00062312	-0.0116215410141777	186	-0.157223910542949	0.875241717598988	0.000135060215544215	0.93396461227319
ESCA	KDM1A	cg00541565	-0.037574622018501	186	-0.508659267836295	0.611603759367968	0.00141185221983322	0.7685453068468

ESCA	KDM1A	cg04886391	-0.0366329020664422	186	-0.495893562492048	0.620564537045119	0.00134196951380954	0.775085455485076
ESCA	KDM1A	cg06958034	0.14028359678182	186	1.91667462062154	0.0568373637179204	0.0196794875260444	0.158287601957181
ESCA	KDM1A	cg07118078	-0.132562773055414	186	-1.80924322862957	0.0720543206855376	0.0175728888001412	0.188264721683708
ESCA	KDM1A	cg07785945	-0.0223928143729426	186	-0.303000355520969	0.76223375220781	0.000501438135541064	0.867824513134385
ESCA	KDM1A	cg10499166	-0.020463955399109	186	-0.276889240480806	0.782177656106676	0.000418773470576723	0.879755018847422
ESCA	KDM1A	cg12578844	0.100194579834433	186	1.36226224483102	0.174789468131079	0.0100389538281985	0.350245263987564
ESCA	KDM1A	cg22683154	-0.116360308252182	186	-1.58485891350935	0.114724922942717	0.0135397213365428	0.262474212728458
ESCA	KDM1A	cg26662347	0.0110372850403575	186	0.149318719924461	0.881466572211348	0.000121821661062099	0.937119885732768
ESCA	KDM1B	cg11007366	-0.0372787154269314	186	-0.504647892134609	0.614413287170062	0.00138970262388213	0.77066553685713
ESCA	KDM1B	cg15124342	-0.189629938230411	186	-2.61267152397115	0.00973042643183886	0.0359595134732696	0.0416947834667294
ESCA	KDM1B	cg20677365	-0.11196376609978	173	-1.46906596744048	0.143662968412839	0.0125358849192462	0.306665485805851
ESCA	KDM1B	cg22406543	0.092241739264948	186	1.25316581360997	0.211744166251029	0.00850853846262265	0.397865521866761
ESCA	KDM1B	cg23073439	-0.224194881309066	186	-3.11207201102817	0.00215597091205668	0.0502633448051862	0.0126144405183918
ESCA	KDM1B	cg23860886	-0.0627197192014643	186	-0.850130388387005	0.396363477673061	0.00393376317671053	0.592995447359652
ESCA	KDM1B	cg24342628	-0.0067180643947536	186	-0.0908823415262187	0.92768548165199	4.5132389212056e-05	0.961872933927346
ESCA	KDM2A	cg05038268	-0.261985867267935	186	-3.67234795623134	0.000315331273481468	0.0686365946481319	0.00254866297030829
ESCA	KDM2A	cg05295919	-0.24289324456762	186	-3.38723639187957	0.000864276635670679	0.0589971282565859	0.0059437355547529
ESCA	KDM2A	cg06320126	-0.251704027831953	186	-3.51826203147453	0.000547941336590987	0.0633549176268284	0.00405195326414061
ESCA	KDM2A	cg07283932	-0.331082667059046	186	-4.74649744057787	4.1608462096695e-06	0.109615732426931	6.05831439642166e-05
ESCA	KDM2A	cg08836144	-0.332939549684605	173	-4.67085718842639	5.95596236655042e-06	0.110848743744188	8.3020630056159e-05
ESCA	KDM2A	cg09993857	-0.125615463269455	186	-1.71286205911678	0.0884315753315613	0.0157792446123998	0.218201153620384
ESCA	KDM2A	cg11637544	0.273057787430392	186	3.83977793402069	0.000169552116507409	0.0745605552763809	0.00151107083876474
ESCA	KDM2A	cg16004548	-0.177591824387202	186	-2.44122277600282	0.0155892088137211	0.0315388560891747	0.0601522003261992
ESCA	KDM2A	cg18132081	0.111612742717359	186	1.51936251227576	0.130397074637407	0.0124574043368913	0.286799831052938
ESCA	KDM2A	cg21293464	-0.263681012034183	186	-3.6978787911822	0.000287250303414786	0.0695276761073711	0.00235621574270876
ESCA	KDM2A	cg21711868	-0.283791027799417	186	-4.00365972308199	9.05529448327947e-05	0.0805373474594495	0.000884650984594052
ESCA	KDM2A	cg25597833	-0.157525699150914	186	-2.15790990665578	0.0322379914851023	0.0248143458929843	0.104162574639367
ESCA	KDM2B	cg03486832	0.0299149920783839	186	0.404863710087103	0.686050545657834	0.000894906751049772	0.819266852299599
ESCA	KDM2B	cg05067991	-0.119502243599549	186	-1.62826464466467	0.105189148211035	0.0142807862253258	0.246974438548293
ESCA	KDM2B	cg07020001	0.0576588270849607	186	0.781293958194912	0.435639201953103	0.0033245403408134	0.628805561335018
ESCA	KDM2B	cg07529210	0.0185994703284819	186	0.251652503080002	0.801592052148981	0.000345940296500079	0.891739183898286
ESCA	KDM2B	cg07793808	0.0800862693643339	186	1.08687809294484	0.278520194857112	0.00641381054069664	0.475452110070687
ESCA	KDM2B	cg09151742	0.0382639631716508	186	0.518004651630152	0.605080704323309	0.00146413087760145	0.763827740111763
ESCA	KDM2B	cg12251659	-0.101851843175907	186	-1.38502892976302	0.167729710624977	0.0103737979583295	0.340656916745377
ESCA	KDM2B	cg12888660	-0.163995364275643	186	-2.24893626943371	0.0257087380792768	0.0268944795039007	0.0879965491965531
ESCA	KDM2B	cg15234492	0.0212005436831142	186	0.286860112844812	0.774543963385115	0.000449463052459634	0.875034462497555
ESCA	KDM2B	cg15316703	-0.0969145683121913	186	-1.31723660233287	0.189406256252916	0.0093924335511384	0.369308494133525
ESCA	KDM2B	cg16837338	-0.039478440355757	173	-0.515137476226127	0.607126138279154	0.00155854725292306	0.76529513120007
ESCA	KDM2B	cg17452615	-0.0182732205207343	186	-0.247236826292567	0.805002101873912	0.000333910588199384	0.894071348197977
ESCA	KDM2B	cg20055546	-0.0957928214408268	186	-1.30184808629992	0.194604649547462	0.00917626463959412	0.376004622280885
ESCA	KDM2B	cg21249371	0.000217014395503828	186	0.00293571639698308	0.997660838338794	4.70952478558917e-08	0.99885493439889
ESCA	KDM2B	cg21781916	-0.0965388044462836	186	-1.31208118078878	0.191136190566712	0.00931974076391779	0.371582587188795
ESCA	KDM2B	cg26218726	-0.0836673392104025	186	-1.13581324107702	0.257520039472734	0.00700022365054856	0.452050318179071
ESCA	KDM2B	cg26509318	0.0211522778025143	186	0.2862067446684	0.775043518305781	0.000447418856234739	0.875356461177014
ESCA	KDM3A	cg01744130	-0.10809914728126	186	-1.47095779849776	0.143019936531991	0.0116854256429356	0.305776473611353
ESCA	KDM3A	cg02152982	-0.172080344978487	174	-2.2843178591487	0.0235821324190933	0.0296116451279151	0.082499816045822
ESCA	KDM3A	cg02972551	-0.0321566874613656	186	-0.435232689898849	0.663906404662008	0.00103405254848795	0.804748201814866
ESCA	KDM3A	cg03037033	-0.146968048650573	186	-2.00997272254482	0.0459027860516115	0.0215996073241571	0.135546074704842
ESCA	KDM3A	cg04793821	-0.159468081463999	186	-2.18520814368967	0.0301439663238031	0.0254300690058086	0.0990672010558886
ESCA	KDM3A	cg07052513	0.0489655486918706	186	0.663189181597804	0.508043915596016	0.00239762495869595	0.690664772043072
ESCA	KDM3A	cg07211384	-0.157277804132864	186	-2.15442784612326	0.0325139317255991	0.0247363076728555	0.104788665368351
ESCA	KDM3A	cg12888358	-0.0909191804710868	185	-1.23166803427015	0.219662142432674	0.00826629737753405	0.40768301283562
ESCA	KDM3A	cg18611949	-0.0308104220536867	186	-0.416993633380675	0.67717180779324	0.000949282107126301	0.813494541534955
ESCA	KDM3A	cg19139691	-0.0902285185180904	186	-1.22558783885089	0.221928757004256	0.00814118555396937	0.410371175450764
ESCA	KDM3A	cg20191795	-0.124654736605434	186	-1.69955423828888	0.0909139115613955	0.01553880335817	0.22241444183802
ESCA	KDM3A	cg20918903	-0.076432463598907	186	-1.03699265439621	0.301107572414289	0.00584192149179824	0.499474657520516
ESCA	KDM3A	cg22404242	0.096381099413691	186	1.30991766121846	0.191865655227709	0.00928931632419179	0.372349690493635

ESCA	KDM3A	cg24749656	-0.0792516666395163	186	-1.07547944461659	0.283576012786947	0.00628082666514102	0.480826938264395
ESCA	KDM3B	cg00435490	0.0188443145813975	186	0.254966436959762	0.79903533118208	0.000355108192042672	0.890253276914179
ESCA	KDM3B	cg03315484	0.000993183106818094	186	0.0134355386632766	0.989294949712692	9.86412683668841e-07	0.99432442325613
ESCA	KDM3B	cg05191700	-0.126289425236116	186	-1.72220058431164	0.0867227484507088	0.0159490189264685	0.215144763472621
ESCA	KDM3B	cg05708550	-0.0768880231087739	186	-1.0432100765346	0.298227146746124	0.00591176809757534	0.496411388522081
ESCA	KDM3B	cg05722427	0.0530675217492728	186	0.718897106982141	0.473121263205613	0.00281616186460954	0.661169712398819
ESCA	KDM3B	cg15001364	0.103795372282233	186	1.4117430560541	0.159723685217793	0.0107734793072074	0.329406547223906
ESCA	KDM3B	cg18682923	-0.131331788274868	186	-1.79214623043284	0.0747615767264054	0.0172480386114746	0.193441166096387
ESCA	KDM3B	cg19076659	0.103737176699142	186	1.41094291240015	0.159959172674822	0.0107614018295091	0.329682444802361
ESCA	KDM3B	cg24137987	-0.147702113535225	186	-2.02023531364345	0.0448170441929441	0.0218159143427724	0.133168982695309
ESCA	KDM4A	cg00154982	-0.145450999917705	186	-1.9887743636542	0.0482163451434711	0.0211559933770603	0.140474209950236
ESCA	KDM4A	cg00979347	0.147028922691162	186	2.01082364249226	0.045811920555397	0.0216175041077238	0.135339404841323
ESCA	KDM4A	cg03587511	0.115934903351541	186	1.57898569738941	0.116066297545125	0.0134409018151311	0.264589178902239
ESCA	KDM4A	cg08552254	-0.163641658649211	186	-2.24395214580012	0.0260338491090384	0.0267785924454649	0.0888396393204603
ESCA	KDM4A	cg10958452	-0.0890788731448244	186	-1.20984631319396	0.227898386832996	0.00793504564075173	0.4177716162978255
ESCA	KDM4A	cg10968649	0.229832248859745	186	3.19463251862244	0.0016489481489299	0.0528228626159275	0.0101633215384153
ESCA	KDM4A	cg12293275	0.168103957522908	186	2.30689700841729	0.0221803445359799	0.0282589405348637	0.0787071898386181
ESCA	KDM4A	cg17737314	0.00413041831505893	186	0.0558757399307291	0.955501755080317	1.70603554573742e-05	0.976322368617826
ESCA	KDM4A	cg19743044	-0.0273612939361731	186	-0.370275351250824	0.711605539850033	0.000748640405861664	0.83580398839106
ESCA	KDM4A	cg20873046	-0.0250699530042337	186	-0.339246663614593	0.734812906528422	0.000628502543634487	0.850474940077555
ESCA	KDM4A	cg21451504	-0.201423322208162	186	-2.78181957755175	0.00597189658009491	0.0405713547293729	0.0285577650941667
ESCA	KDM4A	cg22094309	-0.109753396787579	186	-1.49374034419279	0.136965691683043	0.0120458081064118	0.296750098000074
ESCA	KDM4A	cg24324755	0.130277745444955	186	1.77751346468276	0.0771446525866565	0.0169722909582205	0.19783066644461
ESCA	KDM4A	cg24505556	-0.152522836131502	186	-2.08771708474373	0.038208011545951	0.0232632155415971	0.118349753143767
ESCA	KDM4A	cg25841161	0.130465158429782	186	1.78011477863947	0.0767165016255482	0.0170211575641082	0.197070516690592
ESCA	KDM4B	cg01098771	-0.0623026119451975	186	-0.844454630126519	0.399518004885238	0.00388161545519387	0.59615804795416
ESCA	KDM4B	cg12072803	-0.0694302547446677	186	-0.941507114465288	0.347686234666341	0.00482056027390946	0.546974781387933
ESCA	KDM4B	cg18115693	-0.0664283924474432	186	-0.900615921687461	0.36897624188842	0.00441273132315153	0.567743208215543
ESCA	KDM4C	cg00121158	0.105910958590221	186	1.44084073079955	0.151338490367863	0.0112171311494994	0.317645869838051
ESCA	KDM4C	cg00667760	0.111362017661056	186	1.51590653338592	0.131268412688503	0.0124014989775413	0.288015988737855
ESCA	KDM4C	cg05545111	0.201532309803968	186	2.78338848926215	0.0059442782235318	0.0406152718949227	0.0284641868842443
ESCA	KDM4C	cg14196303	-0.120456066459365	186	-1.64145143122493	0.102421204319179	0.0145096639468629	0.242335690526056
ESCA	KDM4C	cg14473811	0.207450829260089	186	2.86875120345838	0.00460554423575523	0.0430358465606986	0.0232139243408282
ESCA	KDM4C	cg14497348	0.150352877784637	186	2.05732286495986	0.0410735775895457	0.0226059878581221	0.12478142285317
ESCA	KDM4E	cg15555590	-0.095541014442578	186	-1.29839439995571	0.195785706354871	0.00912808544071689	0.377641932306772
ESCA	KDM4E	cg19409026	-0.0449062601430712	186	-0.608094069567582	0.5438790375921	0.00201657220003719	0.718150007645459
ESCA	KDM5B	cg00528052	-0.173191586788996	186	-2.3788410411921	0.0183965722128875	0.0299953257344902	0.0682699488970744
ESCA	KDM5B	cg00571448	-0.0996209722374778	186	-1.35438497839356	0.177283517915705	0.00992433810954032	0.353539963925516
ESCA	KDM5B	cg02624558	-0.217043522914006	186	-3.00781076656548	0.00300173932297121	0.0471078908389225	0.0164715601954731
ESCA	KDM5B	cg04504182	-0.0592130496956181	186	-0.802427253643542	0.423346699641581	0.00350618525425573	0.618429285160122
ESCA	KDM5B	cg08915090	-0.0739959125137457	186	-1.00374988610578	0.316824559127967	0.00547539506874191	0.516095769116244
ESCA	KDM5B	cg09889216	-0.151557703250557	186	-2.07419485276321	0.0394610110869714	0.0229697374145839	0.121289209660208
ESCA	KDM5B	cg11171004	-0.00970102456847845	186	-0.131239203510615	0.895730251490942	9.41098776782225e-05	0.944680113125637
ESCA	KDM5B	cg11221497	-0.13332946961818	186	-1.81989608528227	0.0704087798812975	0.0177767474686651	0.185159239472844
ESCA	KDM5B	cg13134514	0.011188007137093	186	0.151358028405009	0.879860018602215	0.000125171503699643	0.936262581634937
ESCA	KDM5B	cg13253785	-0.259505335796477	186	-3.63505397850247	0.00036104140980017	0.0673430193068421	0.00285261582713736
ESCA	KDM5B	cg13993945	0.0433223761847917	186	0.586604979246564	0.558191950010466	0.00187682827829661	0.72931231519649
ESCA	KDM5B	cg14560895	-0.171780840440664	186	-2.35887232548631	0.019385037311283	0.0295086571425007	0.0710635499078246
ESCA	KDM5B	cg21105875	0.12873114242537	186	1.75605380707296	0.0807520997921565	0.0165717070301409	0.204360079740762
ESCA	KDM5B	cg24354901	-0.129924888685684	186	-1.77261629770973	0.0779560050071456	0.0168804766999874	0.199221755314408
ESCA	KDM5B	cg27531483	-0.173990565703184	186	-2.39015704823567	0.0178563964865181	0.030272716953714	0.0667301007960892
ESCA	KDM5C	cg01859586	0.0507112538227644	186	0.68689291250024	0.493019721098596	0.00257163126427683	0.6784111821552
ESCA	KDM5C	cg04927657	0.0874678598715969	186	1.18779569104304	0.236453269212448	0.00765062651051731	0.427812303768012
ESCA	KDM5C	cg04927982	-0.197459017233575	186	-2.72482475980699	0.00705774093031865	0.0389900634868491	0.0326019771945377
ESCA	KDM5C	cg09554224	0.092746835580931	186	1.26008726139483	0.209242380893978	0.00860197551027624	0.394642277740972
ESCA	KDM5C	cg12234996	-0.195400823650259	186	-2.69528917887514	0.00768811066377552	0.0381814818831994	0.0348780546406434
ESCA	KDM5C	cg16417926	-0.0211143728921526	186	-0.285693632836615	0.775435901287943	0.000445816742628871	0.875638895005954

ESCA	KDM5C	cg16824069	-0.155273012370311	186	-2.12628279312998	0.0348201438199445	0.0241097083705509	0.11043247863055
ESCA	KDM5C	cg19903753	-0.107739283146153	186	-1.46600334565405	0.144363544737145	0.011607753132847	0.30765122564941
ESCA	KDM5C	cg24985300	-0.123229136731906	186	-1.67981601021263	0.094699466144827	0.0151854201396908	0.229067823428086
ESCA	KDM5C	cg27526317	-0.0979593316651027	186	-1.33157358780886	0.184656591528218	0.00959603066027359	0.363144434343621
ESCA	KDM6A	cg00751785	-0.404758500757971	186	-5.98789378487654	1.10064788854404e-08	0.163829443935841	2.9886143749178e-07
ESCA	KDM6A	cg03267667	0.0800559634083249	186	1.08646414700922	0.278702709722084	0.00640895727723506	0.475629735122904
ESCA	KDM6A	cg03478540	0.00124640692679329	186	0.0168610934767924	0.986565799924625	1.5535302271583e-06	0.992960550623424
ESCA	KDM6A	cg06877198	-0.0314675532754713	186	-0.425896085336487	0.670684051938575	0.000990206909144627	0.809206308241846
ESCA	KDM6A	cg07167981	-0.30192460777068	186	-4.28430098069604	2.95799734092146e-05	0.0911584687774788	0.000336719995814521
ESCA	KDM6A	cg11895950	-0.286553994992336	186	-4.04610778975069	7.67308502595759e-05	0.0821131920460677	0.000766756552998516
ESCA	KDM6A	cg14384228	-0.0893647234935025	186	-1.21375986284326	0.226403592966006	0.00798605380507017	0.41591709238429
ESCA	KDM6A	cg15923127	-0.0228308281993341	186	-0.308930244176141	0.757726014047821	0.000521246716267509	0.864940170163844
ESCA	KDM6A	cg17824914	-0.240693272401126	186	-3.3546611471042	0.000965995800811645	0.0579332513791627	0.00652332268475183
ESCA	KDM6A	cg20211377	-0.19600666615401	186	-2.70397930049052	0.00749755284608571	0.0384186131768097	0.0341609831385962
ESCA	KDM6A	cg22133177	0.110310436800676	186	1.50141479149225	0.134971780942313	0.0121683924671559	0.293673975117025
ESCA	KDM6A	cg27306636	-0.346728432437402	186	-5.00066898875799	1.33222291491135e-06	0.120220605860498	2.20555329735291e-05
ESCA	KDM6B	cg01046511	0.0594125647734598	186	0.805140549100563	0.421783431081907	0.00352985285296055	0.616875974794863
ESCA	KDM6B	cg02308232	0.0332947995543743	186	0.450653553819108	0.652772739370208	0.00110854367736596	0.797165007716528
ESCA	KDM6B	cg24893073	0.0466792797520329	186	0.632154685989216	0.528074783823603	0.00217895515816855	0.70652242682607
ESCA	KDM8	cg00636124	0.0732976971130932	186	0.994227233605433	0.321425051323836	0.00537255240208275	0.520903702741215
ESCA	KDM8	cg01755539	-0.0523891602879463	186	-0.709681998570456	0.478804627023035	0.00274462411567613	0.666263498633956
ESCA	KDM8	cg06329197	0.251294293288894	186	3.51214847602739	0.000559879835363845	0.0631488218395648	0.00412494477813192
ESCA	KDM8	cg08572679	-0.0144196313747124	186	-0.195085440336136	0.845542484020045	0.000207925768982591	0.917488665881937
ESCA	KDM8	cg09140090	0.00476803968628839	186	0.0645015785306766	0.948641254581049	2.27342024500211e-05	0.972723648427244
ESCA	KDM8	cg10214171	0.0409023179392333	186	0.553779731721407	0.580405608623705	0.00167299961280213	0.746228930822426
ESCA	KDM8	cg10221365	-0.0719837838857698	186	-0.97631132347864	0.33019903713624	0.00518166514251321	0.529934270521253
ESCA	KDM8	cg16752029	0.0970124987520079	186	1.31858028598092	0.188957291881848	0.00941142491410833	0.368706671045965
ESCA	KDM8	cg24206694	0.0665212774672452	186	0.901880821885733	0.368305656529876	0.00442508035587422	0.567157747466857
ESCA	KDM8	cg24705286	0.17509954765864	186	2.40587172755766	0.0171295002862448	0.0306598515902602	0.064640909302359
ESCA	KIAA202	cg03495688	0.130465436736396	186	1.78011864171181	0.0767158672567845	0.0170212301828186	0.197070516690592
ESCA	KIAA202	cg25608569	-0.267461221194326	186	-3.75494618926466	0.000232786638001421	0.0715355048427604	0.00197055535546056
ESCA	KMT2B	cg09284703	-0.0739790534664349	186	-1.00351993555249	0.316935134982344	0.00547290035178963	0.516156405857356
ESCA	KMT2B	cg13830730	0.0824635378766532	186	1.11935850628526	0.264454272259238	0.00680023507913421	0.46004798187458
ESCA	KMT2B	cg15496871	0.121317519405023	186	1.65336514917476	0.0999710054981781	0.0147179405145882	0.238190083051829
ESCA	KMT2B	cg24471867	-0.101142551311991	186	-1.37528360529957	0.170724767515669	0.0102298156858988	0.344603475885783
ESCA	L3MBTL1	cg01071811	-0.406904808135575	186	-6.02592619210151	9.04916949938465e-09	0.165571522883849	2.49677115440554e-07
ESCA	L3MBTL1	cg01877937	-0.299485411411478	186	-4.24626330296314	3.45359485495474e-05	0.0896915116483022	0.000385542479555893
ESCA	L3MBTL1	cg02177317	-0.322083621147121	186	-4.60231838208275	7.79133143292511e-06	0.103737859011242	0.000105119465399406
ESCA	L3MBTL1	cg02472486	-0.284104474973615	186	-4.00846979772961	8.88750157589522e-05	0.0807153527000333	0.000869350305036078
ESCA	L3MBTL1	cg02611863	-0.41641641086048	186	-6.19592812540576	3.73630150433993e-09	0.173402627233924	1.10812748466878e-07
ESCA	L3MBTL1	cg03486259	-0.149705064767078	186	-2.04825498243147	0.0419632788363215	0.0224116064169149	0.126791133483233
ESCA	L3MBTL1	cg04984575	-0.289104701844543	186	-4.08539245591597	6.57503643349539e-05	0.0835815286286222	0.00067391091476593
ESCA	L3MBTL1	cg06362543	-0.274117109038131	186	-3.85588199117635	0.00015955577583841	0.0751401894674229	0.00143463552965295
ESCA	L3MBTL1	cg06446163	-0.293129843976724	186	-4.14757923204573	5.13745072398936e-05	0.0859251054298187	0.000542872645506694
ESCA	L3MBTL1	cg06908806	-0.178776816728332	186	-2.45804795477253	0.0149002482420005	0.0319611501995158	0.0580765525195745
ESCA	L3MBTL1	cg07678583	-0.366792909050058	186	-5.33362199039098	2.81808792350222e-07	0.134537038129404	5.50138850491673e-06
ESCA	L3MBTL1	cg08369943	-0.122467489315464	186	-1.66927491194851	0.0967727033121801	0.0149982859392332	0.232602269194175
ESCA	L3MBTL1	cg08633313	-0.33415575970784	186	-4.79606328148407	3.34312271148477e-06	0.111660071745924	4.97623391262074e-05
ESCA	L3MBTL1	cg09541000	-0.260233711238631	186	-3.64599681964691	0.000347019277904215	0.0677215844650313	0.00276089360863985
ESCA	L3MBTL1	cg10360552	-0.324661700220222	186	-4.64347833475705	6.52303392119016e-06	0.105405219589885	8.98723481302282e-05
ESCA	L3MBTL1	cg12699433	-0.140548447251427	186	-1.92036608654058	0.056366499733187	0.019753866024787	0.157392805684908
ESCA	L3MBTL1	cg14306330	-0.087803855595621	186	-1.19239382599671	0.234650719039149	0.00770951705745666	0.425679594173253
ESCA	L3MBTL1	cg15123011	-0.0916179636341629	186	-1.24461942249412	0.214863277689942	0.00839385126047079	0.40177568503741
ESCA	L3MBTL1	cg15302378	-0.424602554754798	186	-6.34420669208901	1.70642564106667e-09	0.180287329504301	5.39632830537341e-08
ESCA	L3MBTL1	cg15330298	-0.425114019755725	186	-6.35353325648871	1.6237475970787e-09	0.180721929792871	5.16004168983417e-08
ESCA	L3MBTL1	cg15388309	-0.354425023914136	186	-5.12742236949008	7.43454787094938e-07	0.125617097576536	1.31237398927306e-05
ESCA	L3MBTL1	cg16862791	-0.333375658095087	186	-4.78346483525593	3.53486261601186e-06	0.111139329410333	5.23493436798071e-05

ESCA	L3MBTL1	cg17091610	-0.324390091716689	186	-4.63913658110433	6.64679379434349e-06	0.105228931603962	9.13086131797912e-05
ESCA	L3MBTL1	cg17774347	-0.169331048416762	186	-2.32423165923286	0.02121110934607559	0.0286730039579197	0.0761535815343385
ESCA	L3MBTL1	cg18911945	-0.313153900099037	186	-4.46062626782389	1.42383496684626e-05	0.0980653651472377	0.000178137371197874
ESCA	L3MBTL1	cg20091959	-0.242574542657085	186	-3.38251391080691	0.000878375155837182	0.0588424087452937	0.00602471494209114
ESCA	L3MBTL1	cg20252111	-0.38279575912096	186	-5.60530427256348	7.55118361516838e-08	0.146532593200992	1.68706714002989e-06
ESCA	L3MBTL1	cg20529070	-0.314887930829224	186	-4.48803651085845	1.26842732158311e-05	0.0991544089819102	0.000161314427097003
ESCA	L3MBTL1	cg22330467	-0.157804770101407	185	-2.15591564921949	0.0324029882209963	0.0249023454667578	0.104531068344798
ESCA	L3MBTL1	cg22457903	-0.334920852822853	186	-4.80843012140325	3.16470840895725e-06	0.112171977655587	4.73999472403581e-05
ESCA	L3MBTL1	cg22601123	-0.0830198557600567	186	-1.12696218596059	0.261234018755279	0.00689229645042061	0.456591683817839
ESCA	L3MBTL1	cg23626798	-0.25583172039655	186	-3.57996379794993	0.000440121859600594	0.0654498691610586	0.0033649965548667
ESCA	L3MBTL1	cg24343973	-0.294651843285446	186	-4.17115609280672	4.67532816919683e-05	0.0868197087515112	0.000500017156440058
ESCA	L3MBTL1	cg02358112	-0.117366587305985	186	-1.59875530786822	0.111600109455852	0.0137749158158535	0.257498484844244
ESCA	L3MBTL1	cg06235991	0.0994535695403638	186	1.35208631991023	0.178016317820984	0.00989101249431998	0.354588863875175
ESCA	L3MBTL1	cg08053598	0.0923648023892586	186	1.25485208501495	0.2111132657477712	0.0085312567204068	0.397032897962753
ESCA	L3MBTL1	cg09993119	-0.0734229078240201	186	-0.995934818801657	0.320596878888909	0.00539092339333455	0.519994862629189
ESCA	L3MBTL1	cg12821546	0.0280951325779534	186	0.380213996909272	0.704227500263757	0.000789336474572777	0.831166449039169
ESCA	L3MBTL1	cg13843727	-0.00996204525374206	186	-0.134770737942148	0.892941256214419	9.92423456376047e-05	0.943222019714917
ESCA	L3MBTL1	cg14679202	-0.0695510424152349	186	-0.943153007286935	0.346846117612979	0.00483734750104581	0.546139069618752
ESCA	L3MBTL1	cg15283028	-0.135866744414126	186	-1.85517405603362	0.065179886300808	0.0184597722376935	0.174957010381791
ESCA	L3MBTL1	cg19467356	0.00871623125345992	186	0.117915470138279	0.906263958376522	7.59726872637916e-05	0.950392079494029
ESCA	L3MBTL1	cg24240981	0.0639304132099325	186	0.86660736762149	0.387291993606496	0.00408709773319271	0.585210651711078
ESCA	L3MBTL1	cg26947834	0.158294471486445	186	2.16871114065341	0.0313948682631129	0.0250571397031729	0.102121517305234
ESCA	L3MBTL1	cg27177954	-0.0722926491791819	186	-0.980522404177027	0.328122813088376	0.00522622712534427	0.527697190789769
ESCA	L3MBTL1	cg03454037	0.202082141660913	186	2.79130514136729	0.00580667944616318	0.0408371919782612	0.0279480802347843
ESCA	L3MBTL1	cg07826275	-0.117437899203096	186	-1.59974029146477	0.11138121601799	0.0137916601692364	0.257138421282131
ESCA	L3MBTL1	cg08106148	-0.141149061588321	186	-1.92873896364338	0.0553106242328981	0.0199230575872637	0.155239081890591
ESCA	L3MBTL1	cg08358392	-0.0223378366472023	186	-0.302256072257488	0.762800114279332	0.000498978946077096	0.868070100793539
ESCA	L3MBTL1	cg09710740	-0.141762759592706	186	-1.93729647852325	0.0542486886029443	0.0200966800073392	0.153159998841864
ESCA	L3MBTL1	cg10237990	-0.150748238653878	186	-2.0628583332735	0.040538420709258	0.0227250314572466	0.123565782487893
ESCA	L3MBTL1	cg16487825	-0.159943385982041	186	-2.19189202447016	0.0296495815789961	0.0255818867194003	0.0978153294274499
ESCA	L3MBTL1	cg16800851	-0.232800402275454	186	-3.23823754916033	0.00142817217145089	0.054196027299613	0.00902922095194989
ESCA	L3MBTL1	cg18411550	-0.116065233546044	186	-1.58078496561408	0.115654051594887	0.0134711384380977	0.263924647210354
ESCA	L3MBTL1	cg18798995	-0.136687997801747	186	-1.86660059687043	0.0635570930080476	0.0186836087430504	0.171691106794502
ESCA	L3MBTL1	cg22934935	0.164856477810287	186	2.26107409165033	0.0249317664268403	0.0271776582760137	0.0860197158772301
ESCA	L3MBTL1	cg24516147	-0.115865683615254	186	-1.57803012074112	0.116285710886677	0.0134248566396301	0.264930902381485
ESCA	LBR	cg01017344	-0.176434334967846	186	-2.42479868552595	0.0162888544616982	0.0311290745555461	0.0621590868239651
ESCA	LBR	cg05530459	0.0992313223472353	186	1.34903475372494	0.17899264952067	0.00984685533478092	0.35574457556617
ESCA	LBR	cg12994003	0.0258329106878566	186	0.349577801366624	0.727057529991273	0.000667339274606777	0.845527453704983
ESCA	LBR	cg14607642	-0.36278846458201	186	-5.26651075485613	3.87531961951617e-07	0.131615470033772	7.31917005294103e-06
ESCA	LBR	cg18107727	-0.118828624870563	186	-1.61895449271039	0.107179182310955	0.0141202420886289	0.250304623358604
ESCA	LBR	cg18289048	-0.106633430465	186	-1.45078208666444	0.14855248023264	0.011370688492734	0.313643045302556
ESCA	LBR	cg18764107	0.0206714362065237	186	0.279697770785438	0.780025271068881	0.000427308274840379	0.878471335015527
ESCA	LBR	cg19322477	-0.281295508863602	186	-3.96541378384171	0.000105010194548537	0.079127163306833	0.00100494071530433
ESCA	LBR	cg20483690	-0.0672571221483895	186	-0.911902326429797	0.36301983461712	0.00452352047968339	0.561966185434471
ESCA	LBR	cg26930584	-0.180298230019851	186	-2.47966603753462	0.0140547995357672	0.0325074517482912	0.0555155661378761
ESCA	MBD1	cg01719254	-0.412652855692744	186	-6.12837374247792	5.31966922425773e-09	0.170282379311377	1.53557828434844e-07
ESCA	MBD1	cg03841029	-0.346480860163995	186	-4.99661107016569	1.3571081233887e-06	0.120048986459982	2.23912766385791e-05
ESCA	MBD1	cg05549078	-0.273112125138809	186	-3.84060362074052	0.000169025447013186	0.0745902328978364	0.00150724044302428
ESCA	MBD1	cg12090413	-0.324799043990849	186	-4.6456743100417	6.46128790718539e-06	0.10549441897737	8.91350931520114e-05
ESCA	MBD1	cg13478031	-0.0265887718569901	186	-0.359813448618676	0.719401537588307	0.00070696278886307	0.84084113845999
ESCA	MBD1	cg14389183	-0.389418391536149	186	-5.719441503523	4.28752587371816e-08	0.151646683666601	1.0190766508403e-06
ESCA	MBD1	cg19328682	-0.42380204020224	186	-6.32962417645711	1.84405313048906e-09	0.179608169279581	5.80090049467312e-08
ESCA	MBD1	cg21282183	0.0264398911480862	186	0.357797302031162	0.720907347348813	0.000699067843922645	0.841899092978256
ESCA	MBD2	cg15090185	-0.0192900306205133	186	-0.260999261542472	0.794386559182686	0.000372105281340342	0.887437827377082
ESCA	MBD2	cg16852837	-0.242820451534731	186	-3.38615765209195	0.000867478342871107	0.0589617716835307	0.00596311833571749
ESCA	MBD2	cg17987217	-0.140848655548048	186	-1.92455087577492	0.0558366739838768	0.0198383437696928	0.1562053443578
ESCA	MBD2	cg22224310	-0.274962714025201	186	-3.86874796588151	0.000151973564418063	0.0756044941041047	0.00137728698396305

ESCA	MBD2	cg22836370	-0.0683895711600889	186	-0.927328130932142	0.354977612143706	0.00467713344346087	0.553908903000852
ESCA	MBD2	cg23388714	-0.209143973569984	186	-2.89323145364848	0.0042759829559513	0.043741201680642	0.0219134267506769
ESCA	MBD2	cg24881765	-0.291179216178057	186	-4.11741301038188	5.79261340897702e-05	0.0847853359340676	0.000603173025750178
ESCA	MBD2	cg25192916	0.364447787395098	186	5.29427851711882	3.39786459662807e-07	0.132822189737183	6.50907358852706e-06
ESCA	MBD3	cg08660999	-0.031604675964791	186	-0.427753817356134	0.669333306190344	0.00099885554283944	0.808277037919501
ESCA	MBD3	cg09174855	-0.128824490715912	186	-1.75254059953358	0.0813648388098748	0.016595749408214	0.205422914691052
ESCA	MBD3	cg12286540	-0.170242496079032	186	-2.33711453448198	0.0205150501859392	0.0289825074712192	0.0742491596606829
ESCA	MBD5	cg03890220	0.241073479626295	186	3.36028697857903	0.000947665498640946	0.0581164225791297	0.00641718076357067
ESCA	MBD5	cg04152151	0.0960700879180082	186	1.30565125672203	0.19331018596326	0.00922946179257382	0.374294248216318
ESCA	MBD5	cg05218490	-0.188441236058115	186	-2.59568894194296	0.0102062754772341	0.0355100994471101	0.0432902783095769
ESCA	MBD5	cg06394585	0.0652976475196141	186	0.885219410392631	0.377199963158156	0.00426378277159576	0.575731712720248
ESCA	MBD5	cg06758980	0.333100164520072	186	4.77901832602955	3.60504026253132e-06	0.110955719603299	5.33074514699414e-05
ESCA	MBD5	cg20595490	0.0879036452327828	186	1.1937595360418	0.234117231383863	0.00772705084521094	0.425070946608974
ESCA	MBD5	cg21412502	-0.138287127327564	186	-1.88886142453249	0.0604922026495725	0.0191233295845098	0.16561430275984
ESCA	MBD5	cg23120335	0.0287850681702044	186	0.389558608304469	0.697315936401645	0.000828580149563313	0.82644288469599
ESCA	MBD5	cg25686162	0.228093881819668	186	3.16913803471406	0.00179229065373684	0.0520268189235646	0.0108668011589175
ESCA	MBD5	cg26664634	-0.124978635817806	186	-1.70404028998875	0.0900708809310127	0.0156196594108799	0.220914752227354
ESCA	MBTD1	cg01388767	-0.00654928210381845	186	-0.0885989462853661	0.929497528727311	4.28930960753967e-05	0.962671899544514
ESCA	MBTD1	cg14577476	0.0476328360156847	186	0.645097304134545	0.519672057146122	0.00226888706689711	0.70017437111182
ESCA	MBTD1	cg17045523	-0.0399792342260189	186	-0.541261789097003	0.588985452737612	0.00159833916929888	0.752373305587353
ESCA	MBTD1	cg18711617	-0.22228004121599	186	-3.0841041177573	0.00235809795797904	0.0494084167229823	0.0135815408708833
ESCA	MBTD1	cg22141797	-0.148780173296201	186	-2.03531331608124	0.0432615069873025	0.0221355399660477	0.1297082056725
ESCA	MBTD1	cg25259117	-0.168054536692839	186	-2.30619909076798	0.0222201684074805	0.0282423273030449	0.0787838193834165
ESCA	MBTD1	cg25716740	-0.0243925614300932	186	-0.330074666135963	0.741721090833883	0.000594997053120869	0.854671700862517
ESCA	MBTD1	cg25855326	-0.0683098143481739	186	-0.926241595759635	0.355540336562745	0.00466623073628198	0.554349253493544
ESCA	MBTD1	cg27207041	0.141851736548217	186	1.93853737808226	0.0540961337087895	0.0201219151617448	0.152847660107564
ESCA	MBTD1	cg27214721	0.143644277876887	186	1.96354696133916	0.0510976059758984	0.0206336785667724	0.146590226031237
ESCA	MBTD1	cg27353579	-0.218979545766751	186	-3.03598542558844	0.00274725077845418	0.0479520414642125	0.015351215849667
ESCA	MLLT10	cg00879184	-0.282873089423726	186	-3.98958131300497	9.56391060849377e-05	0.0800171847201233	0.000927119779878536
ESCA	MLLT10	cg03524461	-0.182519378475316	186	-2.51125988717344	0.0128959605258166	0.0333133235190155	0.05201308342728
ESCA	MLLT10	cg04188362	-0.226381093699731	186	-3.14404995548655	0.00194454551605134	0.0512483995846862	0.0116176924871897
ESCA	MLLT10	cg05913198	-0.159238839447735	186	-2.18198502848109	0.0303849114375262	0.0253570079886614	0.099644372328257
ESCA	MLLT10	cg06398735	-0.144339120840908	186	-1.97324672080341	0.0499730260104409	0.0208337818051262	0.144225619939018
ESCA	MLLT10	cg11443787	-0.209499466116431	186	-2.89837477382162	0.00420954345894953	0.0438900263030694	0.0216267532271476
ESCA	MLLT10	cg15910013	-0.0305905750929126	186	-0.414015389209533	0.679347666427999	0.000935783284515125	0.814944832106396
ESCA	MLLT10	cg19119538	-0.258116043928373	186	-3.6142001961224	0.000389254595121778	0.0666238921332336	0.00303587135253513
ESCA	MLLT10	cg20569108	-0.142361168109722	186	-1.9456429890931	0.0532295125791465	0.0202667021855647	0.15098580549778
ESCA	MLLT10	cg23344688	-0.176710939978259	186	-2.42872260001408	0.0161192180466689	0.0312267563079999	0.0616599522408696
ESCA	MLLT10	cg26877631	-0.158779673290106	186	-2.17553029597493	0.0308724563647387	0.0252109846501128	0.100791769155573
ESCA	MLLT10	cg27470303	-0.212332707524795	186	-2.93940971639257	0.0037123473496237	0.0450851786848102	0.0195371634228539
ESCA	MLLT10	cg27572529	-0.193633761545161	186	-2.66996096437254	0.00826873102389173	0.0374940336101283	0.0368607908585544
ESCA	MLLT6	cg05652455	-0.119086326618819	186	-1.62251594585174	0.106414403252984	0.014181553187564	0.248947771290606
ESCA	MORF4L	cg03589001	-0.170455687764802	186	-2.34012878669493	0.0203551230967767	0.0290551414913716	0.0738059401626963
ESCA	MORF4L	cg07757959	0.203552142694054	186	2.81248421660257	0.0054526833714452	0.0414334747953404	0.0265797387178525
ESCA	MORF4L	cg08692282	0.151380645677799	186	2.0717148044412	0.0396945943598345	0.0229160998858273	0.121819451403565
ESCA	MORF4L	cg13747872	-0.00386447488358735	186	-0.0522780376067263	0.958364174615605	1.49341661258775e-05	0.978129127640167
ESCA	MORF4L	cg15822222	-0.091299850913179	186	-1.24026150864526	0.21646654632002	0.00833566277676871	0.403731516777083
ESCA	MORF4L	cg20775702	-0.122569710539243	186	-1.67068946559735	0.0964923788042304	0.0150233339416738	0.232163056836554
ESCA	MORF4L	cg20905746	0.32031723253122	186	4.57418339626037	8.79170186617784e-06	0.10260312945646	0.000116713592999563
ESCA	MORF4L	cg23623458	-0.193280895448641	186	-2.53811010545985	0.0120656277362836	0.0373575045454285	0.0493601937377182
ESCA	MORF4L	cg24795825	-0.0744007296130507	186	-1.00927168712737	0.314176965255208	0.00553546856695429	0.513241696626774
ESCA	MPHOSF	cg00331616	-0.303935143343302	186	-4.31572352894809	2.60071796268334e-05	0.0923765713591138	0.000301191577621492
ESCA	MPHOSF	cg03134886	0.0899712731508048	186	1.2220650785652	0.223254780262341	0.00809482999237672	0.412000530796551
ESCA	MPHOSF	cg03428000	0.15745352368591	186	2.1568960499313	0.032318126280735	0.0247916121211095	0.10433915653567
ESCA	MPHOSF	cg04203901	-0.0136751998289491	186	-0.185011974799928	0.853424526618576	0.000187011090361691	0.921883827759633
ESCA	MPHOSF	cg06019692	-0.258192104088746	186	-3.61534126396353	0.000387658596397093	0.0666631626137741	0.0030263434870161
ESCA	MPHOSF	cg09559995	-0.266476212312081	186	-3.74005829866817	0.000245967879567666	0.0710095717281932	0.00206374742398269

ESCA	MPHOSF	cg11051893	0.293232884669295	186	4.14917431462356	5.10485699896741e-05	0.0859855246514759	0.000539795086825704
ESCA	MPHOSF	cg19693579	0.319290518963495	186	4.55785439519065	9.4278931038121e-06	0.101946435499978	0.000124331838636711
ESCA	MPHOSF	cg20759595	-0.325418836593293	186	-4.65558819971608	6.18947942165648e-06	0.105897419209732	8.57685005572397e-05
ESCA	MPHOSF	cg20952532	-0.351410326792305	186	-5.0776344665707	9.36005284798889e-07	0.123489217776274	1.61668728076476e-05
ESCA	MPHOSF	cg21958444	-0.275078048149192	186	-3.8705035392352	0.000150965901101811	0.0756679325735693	0.00136898513800159
ESCA	MPHOSF	cg22656705	-0.314544317265587	186	-4.48260097831256	1.29788694023616e-05	0.0989381275240741	0.000164389151137629
ESCA	MSH6	cg00620552	-0.163981248125394	186	-2.24873733939696	0.0257216460010559	0.026889849736762	0.0880252388265944
ESCA	MSH6	cg02905881	-0.0805305958203137	186	-1.09294745119336	0.275853539282662	0.00648517686317473	0.472307206509276
ESCA	MSH6	cg05039065	0.230059507382716	186	3.19796781822332	0.00163100286494889	0.0529273769371779	0.0100740164252349
ESCA	MSH6	cg07652213	-0.0794328267913574	186	-1.0779534585209	0.282473385095632	0.00630957397206578	0.479661548471604
ESCA	MSH6	cg09898070	-0.10830326959275	186	-1.47376832559329	0.142262056271783	0.0117295982044799	0.304636362289276
ESCA	MSH6	cg11869233	0.0832829708598119	185	1.1274655877729	0.261029889302717	0.00693605323523627	0.456312232154445
ESCA	MSH6	cg16595246	-0.109522358948699	186	-1.49055770990011	0.137799267333935	0.0119951471096876	0.297958647033636
ESCA	MSH6	cg18222961	-0.0547776176926745	186	-0.742132129762704	0.458958737098812	0.00300058740008481	0.648874559870759
ESCA	MSH6	cg19076255	-0.0507151853389961	186	-0.686946302900144	0.492986153533151	0.00257203002396873	0.67838890995666
ESCA	MSH6	cg19736286	-0.0727425183879393	186	-0.986656445062335	0.325113806600428	0.00529147398141968	0.524565041391138
ESCA	MSH6	cg21405109	-0.196374210751605	186	-2.70925287826988	0.00738400564047763	0.0385628306483157	0.033766494598432
ESCA	MTA1	cg01318265	0.00713621204971929	186	0.0965393454534626	0.923197868955517	5.09255224185588e-05	0.959627512660584
ESCA	MTA1	cg01655777	-0.300400773868624	186	-4.26052700267086	3.25908737043662e-05	0.090240624940868	0.000366277727384783
ESCA	MTA1	cg05922925	-0.281911165482372	186	-3.97484108163372	0.000101255250270806	0.0794739052236294	0.000974034843028091
ESCA	MTA1	cg13052453	0.219319090622431	186	3.04093064274374	0.0027046884327694	0.0481008635114501	0.0151613007593935
ESCA	MTA1	cg13981078	0.21547161728822	186	2.98496247062744	0.00322384859581669	0.046428017856801	0.0174636917807231
ESCA	MTA1	cg16531924	-0.0582811351556133	186	-0.789755000536847	0.430692973651143	0.00339669071502686	0.624691510995003
ESCA	MTA1	cg20222911	-0.0793560837535212	185	-1.07395900885857	0.284262860732099	0.00629738802869587	0.481542348657852
ESCA	MTA1	cg21517792	0.297580008807284	186	4.21661347729771	3.89408218082298e-05	0.088553861641743	0.000427694803296545
ESCA	MTA1	cg23123838	-0.236364352458917	186	-3.290721958761	0.00119892938052025	0.0558681071133231	0.0078134801229951
ESCA	MTA1	cg23883989	-0.17201058792511	186	-2.36212331310673	0.0192209893966247	0.0295876423583421	0.0705585904643745
ESCA	MTA1	cg23966123	-0.298604719138364	186	-4.23255201262035	3.65101354176131e-05	0.0891647782917015	0.000404308822018191
ESCA	MTA2	cg00501779	-0.00320086146070999	186	-0.0433006730709767	0.96550906435275	1.02455140906585e-05	0.98184068172886
ESCA	MTA2	cg07654871	0.132877874554701	186	1.81362100151654	0.0713742844764037	0.0176565295461749	0.187009231300978
ESCA	MTA2	cg09086761	0.0771217776143689	186	1.0464005851862	0.296756265650195	0.00594776858240016	0.494753290724472
ESCA	MTA2	cg13708959	-0.0146121597933636	186	-0.197690739926283	0.843506452745539	0.000213515213826792	0.916394556290143
ESCA	MTA2	cg19570317	-0.0756829159921131	186	-1.02676433732876	0.305886701676976	0.00572790377306925	0.504401510699253
ESCA	MTA2	cg21002970	0.0163165175678303	186	0.220755146067901	0.82552919098922	0.000266228745541316	0.906189036587671
ESCA	MTF2	cg05396182	-0.108154687534108	186	-1.47172250459998	0.142813418982528	0.0116974364356005	0.305435736379032
ESCA	MTF2	cg05962718	-0.172794578663966	186	-2.37321998327251	0.0186702186461575	0.0298579664156576	0.0690384537198964
ESCA	MTF2	cg09936581	0.171291931481381	186	2.35195545370659	0.0197381784767579	0.029340925790622	0.0721032990430554
ESCA	MTF2	cg11404133	-0.0367513360572048	186	-0.497498948759392	0.619434486090049	0.0013506607019896	0.774245833173562
ESCA	MTF2	cg14474880	-0.356185139318548	186	-5.15657515448683	6.49197265039776e-07	0.126867853471374	1.16582760933759e-05
ESCA	MTF2	cg15463775	-0.146717534855412	186	-2.00647119324673	0.0462783093490187	0.0215260350340491	0.13633410828559
ESCA	MTF2	cg16813892	0.132742230465169	186	1.81173640047362	0.0716663824930547	0.017620499748868	0.187566507854529
ESCA	MTF2	cg19708337	0.0133900581262067	186	0.181153589460368	0.856447500359983	0.000179293656623194	0.923635916587017
ESCA	MTF2	cg22801127	-0.149281667376884	186	-2.04232985806242	0.0425534665332781	0.0222850162148225	0.128131459029642
ESCA	MTF2	cg23992808	0.000803575590685392	186	0.0108705726107661	0.991338550308667	6.45733729945377e-07	0.9953689539451
ESCA	MTF2	cg26054395	-0.162201999325257	186	-2.22367482362699	0.0273937458125003	0.0263094885851108	0.0922660545411806
ESCA	NAP1L2	cg02379437	-0.307235605185837	181	-4.30736655769247	2.72628932720908e-05	0.0943937170939073	0.000313648257794887
ESCA	NAP1L2	cg04297329	-0.436795453066733	186	-6.56860437209024	5.10488710883534e-10	0.190790267819772	1.77250827821644e-08
ESCA	NAP1L2	cg07693661	-0.363124787644998	178	-5.15560859918996	6.78391941339696e-07	0.131859611402225	1.21237819169723e-05
ESCA	NAP1L2	cg20001978	-0.499467606673423	181	-7.69188335172427	9.51693894285078e-13	0.249467890116077	5.3693337536747e-11
ESCA	NAP1L2	cg23483095	-0.51229961086845	186	-8.06963886734903	9.0594576239465e-14	0.262450891295965	6.02368757604525e-12
ESCA	NCOA1	cg11380327	-0.287065252491531	186	-4.05397436310922	7.4400798213052e-05	0.0824064591880264	0.000747505578740304
ESCA	NCOA1	cg13911252	-0.0352419163856405	186	-0.477040140471069	0.633902721679294	0.00124199267053248	0.784440122966977
ESCA	NCOA1	cg15477048	0.00864174652844626	186	0.116907745596106	0.907061363200492	7.4679783061913e-05	0.950848231567401
ESCA	NCOA1	cg23006163	-0.161207758644987	181	-2.17928371806728	0.0306242102274363	0.0259879414473405	0.100213679823042
ESCA	NCOA3	cg04175879	-0.143648337644782	186	-1.96360362562108	0.0510909748453485	0.0206348449081094	0.146582013539334
ESCA	NCOA3	cg09568061	-0.159649319110399	186	-2.18775657993857	0.029954630672247	0.025487905092414	0.0985679449371574
ESCA	NCOA3	cg12128876	0.0306135091021764	186	0.4143260710575	0.679120560866815	0.000937186939549035	0.814823173325412

ESCA	NCOA3	cg14341558	-0.0754740785071575	186	-1.02391485625812	0.307227089171612	0.00569633652650457	0.505743454547726
ESCA	NCOA3	cg14774045	0.0958850802746477	186	1.30311353549995	0.194173225866032	0.00919394861927563	0.37546222139877
ESCA	NCOA3	cg18295930	-0.152776097844697	186	-2.09126648149986	0.0378848235634097	0.0233405360726524	0.117653172227221
ESCA	NCOA3	cg21735648	-0.0513111906956075	186	-0.695040489523385	0.487911494559515	0.002632838290601	0.674095520466124
ESCA	NCOA3	cg22511723	-0.140367660255104	186	-1.91784624548099	0.0566875612481568	0.0197030800454923	0.157985188001517
ESCA	NCOA3	cg22876277	0.0741404571852202	186	1.00572145221242	0.315877543474542	0.00549680739163347	0.515078762829263
ESCA	NCOA3	cg24856420	0.119084481617338	186	1.62249044664278	0.106419863356847	0.0141811137620702	0.248949837617879
ESCA	NCOA3	cg25373408	0.0769309318049147	186	1.04379572313451	0.29795678604006	0.00591836826837244	0.496141831229273
ESCA	NCOR1	cg00253204	0.126255681623711	186	1.72173296988651	0.0868076717316774	0.015940497142268	0.215293653033255
ESCA	NCOR1	cg08125503	-0.16479531925465	186	-2.26021185652602	0.0249862758887228	0.0271574972482421	0.0861605650038698
ESCA	NCOR1	cg08206308	-0.140530664825644	186	-1.92011822326682	0.0563980130073837	0.0197488677563376	0.157432592343004
ESCA	NCOR1	cg21211144	0.251776564315546	186	3.5193445420724	0.000545852495013728	0.0633914383385401	0.00403919423543213
ESCA	NCOR1	cg22291359	-0.163250023976543	186	-2.23843459503368	0.0263979289653382	0.0266505703283418	0.0897160544311717
ESCA	NCOR1	cg22625220	-0.0788949503647577	186	-1.07060826145154	0.285755599973147	0.00622441319305758	0.483010410748979
ESCA	NCOR2	cg08976554	-0.175761976795171	186	-2.41526309273683	0.0167076998133637	0.0308922724869462	0.0633874079142069
ESCA	NCOR2	cg10641483	-0.205361416887119	186	-2.83857863731441	0.00504358256094211	0.0421733115458852	0.0249529675493469
ESCA	NCOR2	cg13416396	0.0529617769187198	186	0.717460565470152	0.474004772083907	0.00280494981438824	0.661952522878962
ESCA	NCOR2	cg13419087	-0.129595020349994	186	-1.76803879806332	0.0787207171466954	0.0167948692995154	0.200582996616882
ESCA	NCOR2	cg13857025	-0.15423738917415	186	-2.11175436163447	0.0360647775813669	0.0237891722192582	0.113418090599703
ESCA	NCOR2	cg16181859	-0.125111141603246	186	-1.70587567403129	0.0897278042637469	0.0156527977532675	0.220358140129871
ESCA	NCOR2	cg19895345	-0.191019899010674	186	-2.63254453950021	0.00919897018430843	0.0364886018180482	0.0399857342860865
ESCA	NCOR2	cg23611643	-0.00075941161174472	186	-0.0102731328299413	0.991814560766913	5.76705996052727e-07	0.995704031029326
ESCA	NCOR2	cg24626542	-0.117809897073198	186	-1.60487885677741	0.110244804328636	0.0138791718483975	0.25542779818327
ESCA	NCOR2	cg25113767	-0.163295914074774	186	-2.23908106206054	0.0263550431894308	0.0266655555535158	0.0896251193337375
ESCA	NCOR2	cg25449924	-0.0406802472415199	186	-0.550768101406736	0.582464391327828	0.00165488251563119	0.747677296200862
ESCA	ORC1	cg00298020	-0.130201676056979	186	-1.77645766807698	0.0773189856222051	0.0169524764480466	0.198147093408019
ESCA	ORC1	cg02275620	-0.0768466801035236	186	-1.04264580504739	0.298487795959757	0.00590541224293329	0.496653967551297
ESCA	ORC1	cg04407474	-0.097908943014592	186	-1.33088201729568	0.184883641049666	0.00958616112223463	0.363441602360582
ESCA	ORC1	cg07142859	0.0906068579907244	186	1.23076933125845	0.219988710681461	0.00820960271495131	0.408134908122267
ESCA	ORC1	cg08613513	-0.0787709721426988	186	-1.06891535852805	0.286515747175224	0.00620486605230583	0.483832726312176
ESCA	ORC1	cg10586599	-0.0179008635874307	186	-0.242197202176788	0.808898572308513	0.000320440917175804	0.89669628986945
ESCA	ORC1	cg13460942	-0.140193233362022	186	-1.91541523814419	0.0569987569564953	0.0196541426804983	0.158606477757756
ESCA	ORC1	cg16136434	-0.189492068424974	186	-2.61070121590301	0.00978459280428578	0.035907243995975	0.0418784447962482
ESCA	ORC1	cg16965475	-0.0571565226327608	186	-0.774465179317437	0.439655208007538	0.0032668680794693	0.632281522510839
ESCA	ORC1	cg17146111	-0.11895535355562	186	-1.62070584622193	0.106802553466972	0.0141503760919467	0.249582392442463
ESCA	ORC1	cg19776520	-0.177342308163962	186	-2.43768140652284	0.0157377712328282	0.0314502942649218	0.0605482130432693
ESCA	ORC1	cg21197365	-0.109909300093934	186	-1.49588811011011	0.136405382277606	0.0120800542471384	0.295865731023924
ESCA	ORC1	cg23606758	-0.0691656022634604	186	-0.937901017422427	0.349531460366507	0.00478388053646719	0.548574867038161
ESCA	ORC1	cg25605769	-0.109889965510687	186	-1.49562174561926	0.136474774434018	0.01207580451994	0.295958481373736
ESCA	PADI1	cg14524955	-0.172963480907724	186	-2.37561124760346	0.0185533704311702	0.0299163657277165	0.068695585354995
ESCA	PADI1	cg21010178	0.0389745771468115	186	0.527639206034944	0.598388923131375	0.00151901766377276	0.758909861701001
ESCA	PADI1	cg22193702	-0.0732281533849323	186	-0.993278838035506	0.321885627490072	0.00536236244816717	0.521313455155987
ESCA	PADI2	cg00569276	-0.11569887889363	186	-1.57572748163885	0.116815777893281	0.0133862305772428	0.265819364829611
ESCA	PADI2	cg01603374	-0.114445059689217	186	-1.55842357039367	0.120860572922296	0.0130976716872686	0.271985509982781
ESCA	PADI2	cg07014827	-0.118832750097106	186	-1.61901150096539	0.107166905995888	0.0141212224956412	0.250283466978209
ESCA	PADI2	cg09313801	-0.0623618841788017	186	-0.845261145816718	0.399068825992539	0.00388900459833028	0.595691460562656
ESCA	PADI2	cg10233913	-0.178052574542835	186	-2.44776345486536	0.0153180914132017	0.0317027193013317	0.059345398575628
ESCA	PADI2	cg15185794	-0.0641787851635859	186	-0.869988066270722	0.385446636071586	0.00411891646507371	0.583485818146525
ESCA	PADI2	cg17183414	-0.0423248584570317	186	-0.573073602898436	0.567298357751156	0.00179139364304777	0.735994003683829
ESCA	PADI2	cg18228326	-0.0593951008212875	186	-0.804903045082494	0.421920132879614	0.00352777800157091	0.617017347492982
ESCA	PADI2	cg18879300	0.0535844912008493	186	0.725920477173743	0.468814894494047	0.0028712976972539	0.657774878300867
ESCA	PADI2	cg19282714	-0.0615071084294414	186	-0.833631099715506	0.405575659569776	0.00378312438735106	0.60194125573434
ESCA	PADI3	cg01459162	-0.139126745296529	186	-1.9005542046647	0.0589322772524344	0.0193562512568053	0.162487243543359
ESCA	PADI3	cg12858514	-0.591575739106556	186	-9.92582190927971	7.54670961049185e-19	0.349961855099468	8.96318667845196e-17
ESCA	PADI3	cg14664242	-0.202455655583252	186	-2.79668468139649	0.00571483695517883	0.0409882924776445	0.0275948126181604
ESCA	PADI3	cg17589397	-0.0429476092691009	186	-0.58152104392733	0.561604945178277	0.00184449714193136	0.731976730363377
ESCA	PADI3	cg18768338	-0.418799896240217	186	-6.23890962585888	2.9804547303443e-09	0.175393353090816	8.98339772539344e-08

ESCA	PADI3	cg21966975	-0.307304924147997	186	-4.36853244405153	2.09155704607756e-05	0.0944363164056063	0.000248983303508122
ESCA	PADI4	cg16091981	-0.0235124308419439	186	-0.318158225451425	0.750727699744596	0.000552834404097195	0.860284158586049
ESCA	PADI4	cg18333690	-0.0248133230633067	186	-0.335771796101119	0.737427604989126	0.000615701001444027	0.852122500520239
ESCA	PADI4	cg19159961	-0.0370324165103147	183	-0.49718303947146	0.619666725126613	0.00137139987259343	0.774411688774112
ESCA	PADI4	cg21295838	-0.0791681147219738	186	-1.07433845386826	0.28408552270895	0.0062675903886316	0.481341866053792
ESCA	PADI4	cg23228178	0.0814584075566785	186	1.10562318362479	0.270341059480205	0.00663547216166993	0.466451801654646
ESCA	PADI4	cg26918754	-0.0631897230403496	186	-0.856526469300958	0.392826828618561	0.00399294109791609	0.589691262673955
ESCA	PADI6	cg12643633	-0.0526409776630508	186	-0.713102661569863	0.476690576927355	0.00277107252932181	0.664427046413679
ESCA	PADI6	cg16017904	-0.0241972219456161	186	-0.327429821255745	0.743717073342569	0.000585505549885408	0.856043754722465
ESCA	PARP1	cg00653565	-0.139866418218434	186	-1.91086086804665	0.0575856236390713	0.0195626149452538	0.159787987065841
ESCA	PARP1	cg02088626	0.0107691527964766	186	0.145690847224481	0.884325797787734	0.000115974651953859	0.938706708967511
ESCA	PARP1	cg03149313	0.0369666857126295	186	0.500418091760144	0.617381988502953	0.00136653585257633	0.772697058642815
ESCA	PARP1	cg04960271	0.173180968436043	186	2.37869068520492	0.0184038455770381	0.0299916478284456	0.0682825250800054
ESCA	PARP1	cg07113065	-0.141619709348848	186	-1.93530155695004	0.0544947007256388	0.0200561420760521	0.153666838779554
ESCA	PARP1	cg17661881	-0.0777008961361717	186	-1.05430570645846	0.293132971433774	0.00603742926036414	0.4908030630699
ESCA	PARP1	cg25722198	-0.105723598808586	186	-1.4382630006526	0.152067396644025	0.0111774793450388	0.318711435274672
ESCA	PARP1	cg26464410	0.112366454910399	186	1.52975340718754	0.127804509771442	0.0126262201891308	0.28272027847583
ESCA	PARP2	cg01813761	-0.215694919596736	174	-2.88857172765977	0.00437077145285134	0.0465242983398425	0.0222919946504371
ESCA	PARP2	cg10910545	-0.379301868739216	186	-5.54549918774267	1.01279626737083e-07	0.143869907629061	2.19714090417864e-06
ESCA	PARP2	cg15078479	-0.160425145532544	186	-2.19866827454206	0.0291555564000465	0.0257362273191378	0.096682171322451
ESCA	PARP2	cg15365367	-0.138832516998146	186	-1.89645700562339	0.0594751107541399	0.0192744677760404	0.163640499562622
ESCA	PARP2	cg18899035	-0.193963805017128	155	-2.43764038498657	0.0159370674597254	0.0376219576567223	0.0611134335269816
ESCA	PARP2	cg19540080	-0.0722758971346844	186	-0.980293998928227	0.328235206158108	0.00522380530662348	0.527838796673223
ESCA	PARP2	cg24595957	0.158337058450574	186	2.16930960459254	0.03134871615976	0.0250706240787806	0.102026608581867
ESCA	PARP2	cg26206608	-0.0802846371156532	186	-1.08958765262	0.277327535225986	0.00644562295679212	0.474100520269203
ESCA	PARP2	cg26430074	0.0604918055015143	186	0.819819317139021	0.413385601106327	0.00365925853283304	0.608978174755067
ESCA	PAXIP1	cg02824291	0.168269104145225	186	2.30922932783415	0.0220477137541877	0.0283144914098365	0.078393886548438
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ESCA	PAXIP1	cg22583711	-0.0683733875843893	186	-0.927107658988074	0.355091750296054	0.00467492012976513	0.553998107264529
ESCA	PAXIP1	cg24448952	-0.253544615989339	186	-3.54575000544537	0.000497157718288483	0.0642848722971816	0.00373099708359512
ESCA	PAXIP1	cg24452135	0.188352690812585	186	2.59442440070437	0.0102425296505117	0.0354767361363411	0.0434085504266674
ESCA	PCGF1	cg03203239	0.10833138458387	186	1.47415545112948	0.142157908967816	0.0117356888858583	0.30448877671372
ESCA	PCGF1	cg08092637	-0.0402078433640582	186	-0.544361828141477	0.586855182786429	0.00161667066798864	0.750888923733613
ESCA	PCGF1	cg27306986	0.0793860109343633	186	1.07731410740576	0.282758052278851	0.00630213873207085	0.480018334592528
ESCA	PCGF2	cg09395368	-0.134457060437398	186	-1.83556943288845	0.068044338855169	0.0180787011014662	0.180620373866278
ESCA	PCGF2	cg17902383	0.0719884094591778	186	0.976374386629987	0.33016788148007	0.00518233109646224	0.529898781305311
ESCA	PCGF2	cg20228512	-0.127822357489189	186	-1.74345018675703	0.0829344286278953	0.0163385550740941	0.208243526585711
ESCA	PCGF2	cg25377665	-0.0904913424704859	186	-1.22918724862655	0.220579766063887	0.00818868306211077	0.408790106991305
ESCA	PCGF5	cg03905463	0.082115911325533	186	1.11460772762597	0.266480235548449	0.0067430228928228	0.462158093549493
ESCA	PCGF5	cg06001881	-0.115054293368146	186	-1.56683063328792	0.118881826829614	0.0132374904224435	0.269056900368981
ESCA	PCGF5	cg07421809	-0.0872260948051245	186	-1.18448736484247	0.237756283503206	0.00760839161495257	0.429261333059052
ESCA	PCGF5	cg07424295	-0.167371163644111	186	-2.29655037421783	0.0227771922113003	0.0280131064195838	0.0803158775671242
ESCA	PCGF5	cg08633154	-0.116092206713223	186	-1.58115735291594	0.115568875837484	0.0134774004595456	0.263807662174332
ESCA	PCGF5	cg11113644	-0.00302523262513342	186	-0.0409247756742096	0.967400480690034	9.15203243617167e-06	0.982864738080195
ESCA	PCGF5	cg12783297	-0.0464949351554098	186	-0.62965277786258	0.52970710996762	0.00216177899510576	0.707822922684067
ESCA	PCGF5	cg15550435	0.0790922915688199	178	1.04958069432129	0.295358235438353	0.00625559058560721	0.493346042162821
ESCA	PCGF5	cg17001035	-0.104067231137213	186	-1.41548109653933	0.158627056504115	0.0108299885965661	0.327820943826685
ESCA	PCGF5	cg20515900	-0.0655656989223766	186	-0.888868954699806	0.375240404678358	0.00429886087517974	0.573934411575404
ESCA	PCGF5	cg22968329	-0.0213082665172598	186	-0.288318348361323	0.77342935932326	0.000454042221970573	0.874321222651288
ESCA	PCGF5	cg23395902	-0.0706585359180271	186	-0.958246033365109	0.339202976573833	0.00499262869807912	0.538474775218544
ESCA	PCGF5	cg25390656	0.0923893060099209	186	1.25518785258807	0.211011048729068	0.00853578386499481	0.39685975298958
ESCA	PCGF6	cg01917164	-0.0887742183613174	186	-1.20567564553152	0.229499177164351	0.00788086184566285	0.419572734262162
ESCA	PCGF6	cg06691148	-0.124490510593107	186	-1.69727989484038	0.091343749750772	0.0154978872277325	0.223199285991505
ESCA	PCGF6	cg11612727	-0.0104323005459643	186	-0.14113322615253	0.88791993280647	0.000108832894681327	0.940395126853178
ESCA	PCGF6	cg11814370	-0.131887658280557	186	-1.79986559176606	0.07352904074218	0.0173943544067289	0.191103775073405
ESCA	PCGF6	cg14409890	-0.195204073562463	186	-2.69246771334521	0.00775091466347007	0.0381046303353796	0.0350783058521652
ESCA	PCGF6	cg16113748	-0.109052533682951	186	-1.48408644141376	0.139506335237159	0.0118924551026712	0.300580397813093

ESCA	PCGF6	cg16382383	-0.0698541130960519	186	-0.947282932475061	0.344743811168468	0.00487959711643601	0.543984909962065
ESCA	PCGF6	cg24418712	-0.158509618815874	186	-2.17173467931942	0.0311623004236435	0.0251252992571538	0.101537892031171
ESCA	PCGF6	cg25481680	-0.0472372694825807	186	-0.639728067499325	0.523149462967497	0.00223135962816995	0.702644797605246
ESCA	PCGF6	cg26155979	-0.0984145482155392	186	-1.33782178040074	0.182614671082872	0.00968542330046868	0.360456858881075
ESCA	PCGF6	cg27217148	0.175229830392715	186	2.40771850024395	0.0170458185921183	0.0307054934594597	0.064371961725983
ESCA	PHC1	cg02770112	-0.0452179528354518	186	-0.61232344588149	0.541083869996296	0.00204466325862914	0.716160993985502
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ESCA	PHC1	cg08867249	-0.128698389977843	186	-1.75559949689789	0.08082993907088	0.0165632755828889	0.2044705973427
ESCA	PHC1	cg09059548	-0.11947914461095	186	-1.62794535353587	0.105256903300855	0.0142752659969644	0.247091207803095
ESCA	PHC1	cg09912793	-0.133021260090379	186	-1.81561327283845	0.0710665687999178	0.0176946556360321	0.186403879200944
ESCA	PHC1	cg12581035	-0.108593175603784	186	-1.47776031883916	0.141190933702403	0.0117924777877143	0.303160484017685
ESCA	PHC1	cg14199415	-0.0558503000265157	186	-0.756709962583192	0.450196750107528	0.00311925601305182	0.641139696561132
ESCA	PHC2	cg06899053	-0.0665801636928246	186	-0.902682741629115	0.367880916113939	0.00443291819736332	0.566801235605002
ESCA	PHC2	cg13640100	0.015909978434027	186	0.215253443961173	0.829809431316582	0.000253127413771206	0.908616013877552
ESCA	PHC2	cg15586632	-0.0536470607557944	186	-0.726770565349902	0.468295151830473	0.0028780071277359	0.657259021460269
ESCA	PHC2	cg16558908	-0.0084899793139359	186	-0.114854450783082	0.908686411327662	7.20797487510595e-05	0.951507553643333
ESCA	PHC2	cg17161743	-0.011699582670624	186	-0.158279853859418	0.874410806920366	0.000136880234666766	0.933522455859403
ESCA	PHC2	cg19746874	0.0205916827737788	186	0.27861819711825	0.780852428306159	0.000424017399455939	0.878951790519138
ESCA	PHC2	cg21198021	0.0121055956597159	186	0.163773463276349	0.870090216428952	0.000146545446276533	0.931107602851242
ESCA	PHC2	cg21578869	0.0674526906278264	186	0.914566033816933	0.361622960612183	0.00454986547293326	0.560534322903167
ESCA	PHC2	cg23886755	-0.0579964617899421	186	-0.785884402550582	0.43295159254935	0.00336358958015221	0.626647246237704
ESCA	PHF1	cg01097444	-0.00325713835395561	186	-0.0440619846787747	0.964903036456931	1.06089502568087e-05	0.981545169246557
ESCA	PHF1	cg02776641	-0.0193882833179451	186	-0.262329145399956	0.793362761054541	0.00037590553001691	0.88681623417261
ESCA	PHF1	cg03560363	0.00895030503977908	186	0.121082332291406	0.903758668040223	8.01079603050947e-05	0.94899173692089
ESCA	PHF1	cg03876174	0.0321699029897614	186	0.435411744022652	0.663776693588634	0.00103490265837066	0.804641123506572
ESCA	PHF1	cg06618123	-0.134502914387508	186	-1.83620694929985	0.0679495751889292	0.0180910339787334	0.180442712143627
ESCA	PHF1	cg06919790	-0.00215506337679595	186	-0.0291532246956169	0.97677415546263	4.64429815800716e-06	0.987769975172366
ESCA	PHF1	cg07857404	-0.0843618294954276	172	-1.10062731409051	0.272624095255349	0.0071169182758156	0.468997122272718
ESCA	PHF1	cg08665801	-0.0133075903219123	186	-0.180037687428586	0.857322187085831	0.000177091960175854	0.924104764747354
ESCA	PHF1	cg08798692	-0.00654043684690733	186	-0.0884792821790756	0.929592501506487	4.27773141483831e-05	0.962682628623478
ESCA	PHF1	cg10033570	-0.0846144639157718	186	-1.1487629846992	0.252153023145179	0.00715960750375345	0.445996953660435
ESCA	PHF1	cg10797813	-0.105118423357674	186	-1.42993794289075	0.154439889045382	0.0110498829292033	0.321983618170028
ESCA	PHF1	cg13303256	0.028938248584739	186	0.391633386430483	0.695784771077987	0.000837422231152148	0.825636151882135
ESCA	PHF1	cg13528777	-0.0674117971210708	186	-0.914009041980432	0.361914771289348	0.00454435039109242	0.560824747184797
ESCA	PHF1	cg13547657	-0.097274089102741	186	-1.32216970365837	0.187761841436179	0.00946224841076799	0.367151246163724
ESCA	PHF1	cg18443095	-0.0193780198828528	186	-0.262190225941419	0.793469690086805	0.000375507654580237	0.886840575378164
ESCA	PHF1	cg20135607	-0.0507900361863912	186	-0.687962791314228	0.492347303404936	0.00257962777581492	0.677856544116987
ESCA	PHF1	cg20872639	0.0176109415096032	186	0.238273353488543	0.81193567895546	0.000310145260854666	0.898707279782236
ESCA	PHF1	cg23345642	0.100905609202163	186	1.37202860910541	0.171734080854653	0.0101819419684597	0.345988158093973
ESCA	PHF1	cg23718418	-0.175845577004283	183	-2.39655974310533	0.0175739646302936	0.0309216669519693	0.0659121109077747
ESCA	PHF1	cg24796663	-0.180365047380243	183	-2.46019894108364	0.0148298010856663	0.0325315503164774	0.0578454445275937
ESCA	PHF1	cg26673053	0.0195538496079593	186	0.264570158971579	0.79163835148792	0.00038235303449069	0.885669970353984
ESCA	PHF10	cg04353997	-0.033990925770918	186	-0.460086585826246	0.646000250359588	0.00115538303476405	0.792427245407114
ESCA	PHF10	cg05243705	-0.096007639077151	186	-1.30479464037688	0.19360118982002	0.00921746676116849	0.374689296468768
ESCA	PHF10	cg05736120	-0.056791237263834	186	-0.769499532078216	0.442588912309889	0.00322524462995708	0.634925902563906
ESCA	PHF10	cg07652237	-0.0942594908850208	186	-1.28082140706062	0.201877255812916	0.00888485162190332	0.385281370853
ESCA	PHF10	cg11442717	-0.041520914383403	186	-0.562169313902707	0.574688599417082	0.00172398633123388	0.741808669659728
ESCA	PHF10	cg15342139	0.0143297841223471	186	0.193869632415175	0.846492989983348	0.000205342712993071	0.917965285177309
ESCA	PHF10	cg15360169	-0.215729935668716	186	-2.98871555798267	0.00318635780473489	0.0465394051436285	0.0173009388769831
ESCA	PHF10	cg16740543	0.023016653685518	186	0.311446027567737	0.755816081316224	0.000529766346879069	0.863787038069753
ESCA	PHF10	cg27124293	-0.238051782108688	186	-3.31562074527879	0.00110261013209245	0.0566686509651221	0.00727659082253136
ESCA	PHF11	cg00092518	-0.197524086706938	186	-2.7257591316232	0.00703858526966279	0.0390157648294098	0.0325344617064126
ESCA	PHF11	cg01214340	-0.174978053274992	186	-2.40414964823349	0.0172078590074226	0.0306173191279058	0.064870404397456
ESCA	PHF11	cg02289189	-0.0214467574774933	186	-0.290193104343248	0.771997079468171	0.000459963406298414	0.873578006635057
ESCA	PHF11	cg05080330	-0.0795954202294774	186	-1.08017400758704	0.281486221157198	0.0063354309215071	0.478633015424867
ESCA	PHF11	cg09997676	-0.203374264494644	186	-2.80992038035698	0.00549446587062259	0.0413610914587376	0.0267415213925935
ESCA	PHF11	cg16956501	-0.176371243695075	186	-2.42390375676641	0.0163277642851576	0.0311068156025474	0.0622617565217171

ESCA	PHF11	cg21320768	-0.279780943824754	186	-3.94224446542012	0.000114809636430927	0.0782773765274702	0.00108462931523842
ESCA	PHF11	cg23137039	-0.0885078655151487	186	-1.20202960379497	0.230905199234369	0.00783364225804764	0.421321427682386
ESCA	PHF11	cg24481868	-0.144050897367959	186	-1.96922286322351	0.0504369828952147	0.0207506610325143	0.1452090835776
ESCA	PHF11	cg24984523	-0.20414264326003	186	-2.8209974443109	0.00531601034940611	0.041674218797192	0.0260407851597317
ESCA	PHF11	cg25162948	-0.260408899800066	186	-3.64862978238133	0.000343722904303584	0.067812795095081	0.00273886916085148
ESCA	PHF12	cg01406758	0.0989111335689285	186	1.34463875847525	0.180406174318481	0.00978341234389041	0.357531807247332
ESCA	PHF12	cg02058367	-0.0461703768895985	186	-0.625248059065116	0.53258716205643	0.00213170370212757	0.709911922667197
ESCA	PHF12	cg06895197	0.350287220288556	186	5.05913250827118	1.01924269352435e-06	0.122701136697483	1.73655203898452e-05
ESCA	PHF12	cg08657247	-0.0718794677520808	186	-0.974889137341474	0.330902162107827	0.00516665788432242	0.530640347882727
ESCA	PHF12	cg08806622	0.0960212450036332	186	1.30498127276413	0.193537760722312	0.00922007949204775	0.374630344154503
ESCA	PHF12	cg13564075	0.0102394459565345	186	0.138523919492983	0.889978680499788	0.00010484625349679	0.941690942449886
ESCA	PHF14	cg06715026	-0.147159803434677	186	-2.01265322122759	0.0456170662404028	0.0216560077469329	0.13492104396124
ESCA	PHF14	cg07287563	-0.0327705756842017	186	-0.443550361612641	0.657891660671797	0.00107391063067399	0.800889206470671
ESCA	PHF14	cg07574654	-0.00660326192138116	186	-0.0893292190956758	0.928917961395061	4.36030680023625e-05	0.962382823104569
ESCA	PHF14	cg11931558	-0.348945115426366	186	-5.03705540088055	1.12798796013326e-06	0.12176269357992	1.90431196550796e-05
ESCA	PHF14	cg13029706	-0.208561642450971	186	-2.88480878927182	0.00438685710583649	0.0434979587018469	0.0223505901952612
ESCA	PHF14	cg16800461	-0.206414052434464	186	-2.85377432926533	0.00481843806571024	0.0426067610424177	0.024070222361692
ESCA	PHF14	cg20819769	0.237624368014618	186	3.30931105897433	0.00112631189380046	0.0564653402743466	0.00741163148928381
ESCA	PHF14	cg20964328	-0.160231389991332	186	-2.19594278781817	0.0293533938933254	0.0256740983385542	0.097130004301409
ESCA	PHF14	cg22876561	-0.350624523710332	186	-5.064686595751	9.93529081656306e-07	0.122937556627097	1.70131193877109e-05
ESCA	PHF14	cg23083824	0.0153249697962691	186	0.20733669722604	0.835977454130964	0.00023485469925656	0.91219499630634
ESCA	PHF14	cg24491907	-0.0231833895011206	186	-0.313703394474131	0.754103612511815	0.000537469548760668	0.862602544247734
ESCA	PHF19	cg11054680	-0.137529062827605	159	-1.73421643367484	0.084855099483294	0.0189142431222394	0.21182489788234
ESCA	PHF19	cg11594303	-0.0977818633742566	186	-1.32913792970683	0.185457167267073	0.00956129280494178	0.364182523989668
ESCA	PHF19	cg13501527	0.143835877704913	186	1.96622132970943	0.0507854293841952	0.0206887597151428	0.145979962071907
ESCA	PHF19	cg13793166	-0.1808237011579	133	-2.09626320041648	0.0379973982333674	0.0326972109004416	0.117880427427285
ESCA	PHF19	cg13851767	0.146639440895035	186	2.00537972412448	0.0463958963565459	0.0215031256260085	0.13655640577962
ESCA	PHF19	cg13852822	0.224497027528574	186	3.11648857369807	0.00212555664315207	0.0503989153691651	0.0124741600316814
ESCA	PHF19	cg14218513	-0.105816682661735	186	-1.43954364594993	0.151704931687967	0.0111971703295344	0.318148900275879
ESCA	PHF19	cg27207079	0.156411637281864	186	2.14226449617745	0.0334938976555545	0.0244646002771935	0.107149527237449
ESCA	PHF20	cg01512265	0.0228101660891704	186	0.308650513844249	0.757938472145505	0.000520303677015539	0.865022789114418
ESCA	PHF20	cg02674305	0.104915703998629	186	1.42714960652933	0.15524082189504	0.0110073049455278	0.323107913917723
ESCA	PHF20	cg02957488	-0.247144327730722	186	-3.45034061845114	0.000695088840848548	0.0610803187294705	0.00495770984550948
ESCA	PHF20	cg04179482	0.0695163571938843	186	0.942680370705022	0.347087233201784	0.00483252391750771	0.546365812128183
ESCA	PHF20	cg09692677	0.00555931087106625	172	0.0722721581518868	0.942470782294768	3.09059373611554e-05	0.969395215225279
ESCA	PHF20	cg10372813	-0.206832359044381	186	-2.85981581193238	0.0047315016315527	0.0427796247478636	0.0237365343344948
ESCA	PHF20	cg21765224	-0.258577503946374	186	-3.62112420785403	0.000379664419879644	0.0668623255471369	0.00297651851316589
ESCA	PHF20	cg23538717	-0.0416709505111401	186	-0.564204244059249	0.573305971941936	0.00173646811650188	0.740712229808858
ESCA	PHF20	cg23734815	-0.155102974958479	186	-2.12389690038355	0.035021966720315	0.0240569328409704	0.110903851578926
ESCA	PHF20	cg25561939	-0.0199135736059603	186	-0.269439259003603	0.787895240160911	0.00039655041376	0.883166512680872
ESCA	PHF20	cg27405321	0.104602937721626	171	1.36328794040151	0.174615990975583	0.0109417745799943	0.349996815468271
ESCA	PHF20L1	cg02898212	0.246304664691579	186	3.43785976943875	0.000725867943097632	0.0606659878488312	0.00513907633466847
ESCA	PHF20L1	cg05307234	0.0420704260552157	186	0.569622491454037	0.569632334406761	0.00176992074846737	0.73784075363958
ESCA	PHF20L1	cg10591701	-0.0598406649516185	186	-0.810962803570922	0.418440473001912	0.00358090518185186	0.61390208687809
ESCA	PHF20L1	cg17646969	-0.228927803077063	186	-3.1813641196676	0.00172216661459948	0.0524079390216904	0.0105251182037986
ESCA	PHF20L1	cg24511731	-0.189361744993472	186	-2.60883890091036	0.00983603919391484	0.0358578704669728	0.0420592993487282
ESCA	PHF20L1	cg26292018	0.164510950335448	186	2.256203073908	0.0252410747549985	0.0270638527802721	0.0868429644254215
ESCA	PHF20L1	cg27342122	0.0110046005333532	186	0.148876491541086	0.88181502190607	0.000121101232898678	0.937246974630919
ESCA	PHF21B	cg01775414	-0.319273192760425	186	-4.55757899034912	9.43899432231731e-06	0.101935371615435	0.000124457139713619
ESCA	PHF21B	cg01995480	-0.321097648074878	186	-4.58660724886072	8.33557382599857e-06	0.103103699599218	0.000111418836807514
ESCA	PHF21B	cg05064352	-0.321463799119704	186	-4.59243979134807	8.12938729766205e-06	0.103338974144473	0.000108981140002468
ESCA	PHF21B	cg10080155	-0.295937371467575	186	-4.19109691511622	4.315751786219e-05	0.0875789278311374	0.000467343533487084
ESCA	PHF21B	cg11428482	-0.277084649690014	186	-3.90107631210609	0.000134402653470396	0.0767759030938376	0.00123985791002434
ESCA	PHF21B	cg14786713	-0.249759146571284	186	-3.48926078823886	0.00060677833324106	0.0623796312960161	0.00441403718497803
ESCA	PHF21B	cg15679813	-0.318803564904253	186	-4.55011606129039	9.74465376054439e-06	0.10163571299566	0.000127923657551095
ESCA	PHF21B	cg20495645	-0.320686710614416	186	-4.58006401952015	8.57288173374385e-06	0.102839966364694	0.00011425711180313
ESCA	PHF21B	cg20525183	-0.303386647994368	186	-4.30714485056443	2.69392414410833e-05	0.0920434581812584	0.000310241118927073

ESCA	PHF21B	cg21715212	-0.223214030522139	186	-3.0977411228592	0.00225745131073926	0.0498245034219382	0.0131086188898746
ESCA	PHF21B	cg23080354	-0.310809109255274	186	-4.42364017761353	1.66278641713124e-05	0.0966023023960567	0.000203836757854251
ESCA	PHF21B	cg25561581	-0.287735107435082	186	-4.06428694569325	7.14482868642768e-05	0.082791492050678	0.000722037935609191
ESCA	PHF21B	cg25976257	-0.314862810573361	186	-4.48763907381123	1.2705593788055e-05	0.099138589482156	0.000161506366527443
ESCA	PHF23	cg00039960	0.0678481488231788	186	0.919952629163569	0.358808574640768	0.00460337129873222	0.557786528958021
ESCA	PHF23	cg01441172	0.116686247945512	186	1.58935949328345	0.113705388498548	0.0136156804596016	0.26092178483841
ESCA	PHF23	cg04379155	-0.0637809897176433	186	-0.864573577444255	0.388404752102188	0.00406801464936212	0.586140820272311
ESCA	PHF23	cg11180288	0.169510058956944	186	2.32676140161217	0.0210728009849573	0.0287336600875866	0.0758145252658635
ESCA	PHF23	cg13351208	0.0760871185681296	186	1.03227986190829	0.303303336833813	0.00578924961200061	0.501780845848479
ESCA	PHF23	cg22033559	-0.285504162348657	186	-4.02996610941019	8.17315981541463e-05	0.0815126267184085	0.000808523390997413
ESCA	PHF23	cg26213471	-0.0619499488817176	186	-0.83965613845325	0.402196799049976	0.00383779616644742	0.598742709786131
ESCA	PHF23	cg26784276	-0.0220495446842757	186	-0.29835324762186	0.765772056938506	0.000486182420783872	0.870078379588329
ESCA	PHIP	cg01492710	0.289204830367731	186	4.08693651240462	6.53509891932231e-05	0.0836394339080278	0.000670435823987551
ESCA	PHIP	cg04480383	-0.206905315678429	186	-2.86086967140403	0.00471648413162796	0.0428098096559903	0.0236764642534597
ESCA	PHIP	cg05801338	-0.156286928708377	186	-2.14051366494911	0.033637033711731	0.0244256040850974	0.107486522923409
ESCA	PHIP	cg06848288	0.104672818019678	186	1.42380902871581	0.156204564676835	0.0109563988321807	0.324575386748303
ESCA	PHIP	cg08287994	-0.3344744197028	186	-4.80121275032916	3.26768102867091e-06	0.111873137435525	4.8829423346989e-05
ESCA	PHIP	cg08587415	-0.123426816357878	186	-1.68255236164759	0.0941671846739956	0.0152341789962412	0.228122471018957
ESCA	PHIP	cg15564972	-0.258260061976067	186	-3.61636084101357	0.000386237742990069	0.0666982596118821	0.00301767389556789
ESCA	PHIP	cg19494004	-0.0349019984764945	186	-0.47243331889771	0.637180436430799	0.00121814949765322	0.786569365932459
ESCA	PHIP	cg19950079	0.163527088399393	186	2.24233790849952	0.0261399101761624	0.0267411086403828	0.0890999505868806
ESCA	PHIP	cg21607066	0.0301081291870033	186	0.407479954333578	0.68413178224667	0.000906499443141281	0.818135458834431
ESCA	PHIP	cg21875336	-0.138978383602523	186	-1.89848877145183	0.0592054835742585	0.01931499110877	0.163084462473474
ESCA	PHIP	cg26363168	0.0812987363775786	186	1.10344155621305	0.271284350799504	0.00660948453659101	0.467572856308115
ESCA	PHRF1	cg06063517	-0.0997325476552041	186	-1.35591711964424	0.176796339192294	0.00994658106179756	0.352866932065713
ESCA	PHRF1	cg07530960	-0.118007906262137	186	-1.60761432145632	0.109643624197355	0.0139258659403733	0.254380009567536
ESCA	PHRF1	cg08482978	-0.266860007473028	186	-3.74585765693863	0.000240751528185874	0.0712142635885043	0.00202848742377254
ESCA	PHRF1	cg12469954	-0.394840355589318	186	-5.81366292364081	2.67234240900223e-08	0.155898906401899	6.67819483989462e-07
ESCA	PHRF1	cg12813709	0.00582249028788118	186	0.0787665238330876	0.937304393026821	3.39013931524707e-05	0.966500423507881
ESCA	PHRF1	cg15219216	0.126151963054702	186	1.72029568997585	0.0870691194451153	0.0159143177825549	0.215694522119329
ESCA	PHRF1	cg16143007	-0.0851732156384096	186	-1.1564040929877	0.249023300553404	0.00725447666218702	0.442486892561877
ESCA	PHRF1	cg18793109	-0.190218724996568	186	-2.62108772709847	0.00950207513135569	0.0361831633393201	0.0409282144081623
ESCA	PHRF1	cg20152424	-0.152842586171484	186	-2.09219836791552	0.0378003608231325	0.0233608561475874	0.117460494205297
ESCA	PHRF1	cg21006161	-0.152418275727404	186	-2.08625182084952	0.0383421177963383	0.0232313307757151	0.118637606866929
ESCA	PPARGC	cg04893087	-0.0867572816272723	185	-1.17484951333348	0.241589732531675	0.00752682591535384	0.43386897470459
ESCA	PPARGC	cg05158538	-0.187911266273582	183	-2.56681949040551	0.0110768299202862	0.0353106439925409	0.0461820519223296
ESCA	PPARGC	cg11270806	-0.145630269605368	186	-1.99127862435758	0.0479379878283135	0.0212081754253322	0.139909503849778
ESCA	PPARGC	cg12691631	-0.192723075849054	186	-2.65691819629193	0.00858289737836606	0.0371421839647203	0.0379201453119383
ESCA	PPARGC	cg20723350	-0.191536645716531	186	-2.63993692797742	0.00900804142727207	0.0366862866523399	0.0393773765309465
ESCA	PPARGC	cg27461259	-0.206775426305446	185	-2.8511712942768	0.00485916602254458	0.0427560769237989	0.0242192440772574
ESCA	PPARGC	cg27514608	-0.0989483968525521	186	-1.34515033875644	0.1802412479978	0.00979078523969014	0.357373392637286
ESCA	PRDM1	cg00555933	-0.146292030545594	186	-2.00052465693137	0.0469220236532021	0.0214013582011531	0.137746492370676
ESCA	PRDM1	cg01761420	0.0728954806240916	186	0.988742248122734	0.324094769005539	0.00531375109541731	0.523474554854599
ESCA	PRDM1	cg05170275	-0.0772710973614559	186	-1.04843873702671	0.295819206451539	0.0059708224874436	0.493776752922178
ESCA	PRDM1	cg08742502	-0.00415821125624054	186	-0.0562517255567083	0.95520264451264	1.72907208515255e-05	0.97616765297903
ESCA	PRDM1	cg14359052	-0.00653844532460084	186	-0.0884523396364211	0.929613884901434	4.27512672627945e-05	0.962691957801708
ESCA	PRDM1	cg17143179	-0.0278403402072514	186	-0.376763181557147	0.706786106340947	0.000775084542855499	0.83280142308334
ESCA	PRDM1	cg17521665	0.0225602256912529	186	0.305266771118307	0.760509915756679	0.000508963783240267	0.866752256127108
ESCA	PRDM1	cg17965230	-0.0923084917772956	186	-1.254080482145	0.211412311253253	0.00852085765419904	0.397424288757113
ESCA	PRDM1	cg19464016	-0.031191706187315	186	-0.422158994220342	0.673404517511371	0.000972922534875785	0.811104882333591
ESCA	PRDM1	cg22186515	-0.0796049658551048	186	-1.08030437550625	0.28142833843266	0.0063369505887924	0.478597358400488
ESCA	PRDM1	cg22196848	-0.0584878593390461	186	-0.792565873559432	0.429057067537955	0.00342082969006404	0.623120365755286
ESCA	PRDM1	cg24040346	-0.0846578913921165	186	-1.14935683009321	0.251908803541812	0.0071669585749594	0.445707121904563
ESCA	PRDM1	cg24793124	-0.050288924812558	186	-0.681157826477398	0.496632658097468	0.00252897595880311	0.681273867113991
ESCA	PRDM1	cg24874254	-0.0323855098579662	186	-0.43832983743762	0.661661914970355	0.00104882124876042	0.80308467077115
ESCA	PRDM1	cg26351406	-0.0785937105537413	186	-1.06649496636529	0.287604941169431	0.00617697133860526	0.485103395198272
ESCA	PRDM10	cg04181189	-0.186765401511948	186	-2.57176693809749	0.0109119993700554	0.0348813152019191	0.0456514159179397

ESCA	PRDM10	cg17627813	-0.0208343992296228	186	-0.281903718652542	0.778335879900929	0.000434072191259306	0.877356209479422
ESCA	PRDM12	cg09191327	0.094672004115949	186	1.28647732177304	0.199901655055952	0.00896278836333027	0.382845403053671
ESCA	PRDM12	cg12539975	0.044955847498778	186	0.608766911352599	0.543433876846236	0.00202102822433339	0.7177781503877485
ESCA	PRDM12	cg13795948	0.0573475809958092	186	0.777062528866657	0.438125187302845	0.0032887450460709	0.630913290929613
ESCA	PRDM12	cg13928649	0.156058511456504	186	2.13730710007308	0.0339005485731048	0.0243542589980197	0.108164189799693
ESCA	PRDM12	cg23342516	0.0520105058733061	186	0.704538648753616	0.481993031767272	0.00270509272119721	0.66913228604856
ESCA	PRDM13	cg00126261	0.317451680844372	186	4.52865385688747	1.06777359092149e-05	0.100775569670917	0.000138814135581795
ESCA	PRDM13	cg00579292	0.0240118557001893	186	0.324920046096138	0.745612729971206	0.000576569214166712	0.857099323463317
ESCA	PRDM13	cg01422797	0.254318144754021	186	3.55731440911713	0.000477143998820312	0.064677718751127	0.00360098372567204
ESCA	PRDM13	cg01815538	0.0092625075557845	186	0.125306255099942	0.900418649017431	8.57940462209649e-05	0.947446095938529
ESCA	PRDM13	cg02400433	-0.0170671582990498	186	-0.230913871681091	0.817639672933562	0.000291287892404826	0.90194319062364
ESCA	PRDM13	cg03120185	0.139114675631656	186	1.90038728755065	0.0589544645411449	0.0193528929761008	0.162531136668574
ESCA	PRDM13	cg04910970	0.159794420364883	186	2.18979705528646	0.0298037777027625	0.025534256779749	0.0981939303154626
ESCA	PRDM13	cg11809464	0.0406334496054275	186	0.550133461800842	0.582898675843723	0.00165107722683682	0.747985433186862
ESCA	PRDM13	cg13738144	-0.0735731042224105	186	-0.997983213599453	0.319605271703701	0.00541300166492167	0.518927483290918
ESCA	PRDM13	cg14344102	-0.0349302435487939	186	-0.472816110953286	0.636907809162855	0.00122012191437805	0.786316921438351
ESCA	PRDM13	cg17879189	0.0967792532095656	186	1.31538003487037	0.19002789382316	0.00936622385180121	0.370093880735002
ESCA	PRDM13	cg17978124	0.18656189974436	186	2.56886360409011	0.0110005606965625	0.0348053424362246	0.0459087504879651
ESCA	PRDM13	cg25273233	-0.0463832216800598	186	-0.628136644108269	0.530697541679503	0.00215140325342157	0.708502050740909
ESCA	PRDM13	cg25924096	0.116332065578921	186	1.58446896274773	0.114813600365645	0.0135331494818585	0.262623029310349
ESCA	PRDM13	cg26507427	0.100795769945349	186	1.37051977052668	0.172203467942293	0.0101597872388756	0.346629124995099
ESCA	PRDM14	cg00384539	-0.00913797246920293	186	-0.123621361750823	0.90175074958229	8.35025408479106e-05	0.948110452198022
ESCA	PRDM14	cg01295203	-0.0186436354854835	186	-0.252250269147116	0.801130712587714	0.000347585144115581	0.891451577054706
ESCA	PRDM14	cg04838988	-0.0231785928243985	186	-0.313638453896651	0.754152860323665	0.000537247165319257	0.862622369215596
ESCA	PRDM14	cg09050331	0.0892370794171534	186	1.21201226276187	0.227070221132461	0.00796325634290334	0.41664148189339
ESCA	PRDM14	cg10457247	-0.0882730482141305	186	-1.19881546032993	0.232149777465221	0.0077921310410142	0.422760689404686
ESCA	PRDM14	cg11229513	0.00643054830729797	186	0.0869926437719865	0.930772472859018	4.13519515324928e-05	0.963372900695398
ESCA	PRDM14	cg13267264	-0.010565772666502	186	-0.142939102119893	0.886495538782763	0.000111635552040202	0.939769349504882
ESCA	PRDM14	cg18035229	0.0575676899267088	186	0.780054913572657	0.436366296130009	0.00331403892349769	0.629439636104238
ESCA	PRDM14	cg21255438	-0.00588310474615417	186	-0.0795865431609952	0.936653061428211	3.46109214542217e-05	0.966191160375348
ESCA	PRDM14	cg27029821	0.0236246127986612	186	0.319677060172437	0.749577807844801	0.000558122329886664	0.859691469077757
ESCA	PRDM4	cg00090609	-0.0177006525743929	186	-0.239487509964046	0.81099559991161	0.000313313101559361	0.898105612160633
ESCA	PRDM4	cg03909902	-0.0326564139350138	186	-0.442003527687377	0.65900854622246	0.00106644137109497	0.801584046231531
ESCA	PRDM4	cg12900929	-0.0910302079716712	186	-1.23656789554119	0.217832202558406	0.00828649876336571	0.405388219841842
ESCA	PRDM4	cg18440127	-0.122208614594069	186	-1.6656928032708	0.0974855135859213	0.0149349454810018	0.233750093820218
ESCA	PRDM4	cg25995916	-0.00296033693877049	186	-0.0400468713059307	0.968099414568832	8.76359479104901e-06	0.983292326313032
ESCA	PRDM4	cg27140793	0.0144799617797122	186	0.195901830603954	0.844904365699069	0.000209669293141927	0.917151086499577
ESCA	PRDM5	cg05713693	-0.396487313177531	186	-5.84242493030847	2.31095697644114e-08	0.157202189510737	5.86361992906921e-07
ESCA	PRDM5	cg06329345	-0.311417559391131	186	-4.43322907237596	1.59737751371039e-05	0.0969808962971288	0.000196686271449171
ESCA	PRDM5	cg07070341	-0.461230823664114	186	-7.03206837690606	3.91769898450055e-11	0.212733872697877	1.665428824045e-09
ESCA	PRDM5	cg10416963	-0.365840348981922	186	-5.31762705387896	3.04113581342248e-07	0.133839160943215	5.89539295961596e-06
ESCA	PRDM5	cg11171429	-0.29969502030813	186	-4.24952840911255	3.40811266957653e-05	0.0898171051974907	0.000381150626673639
ESCA	PRDM5	cg13155001	-0.477601647884585	186	-7.35379940135898	6.23886310344465e-12	0.228103334062071	3.07570415886802e-10
ESCA	PRDM5	cg18181323	-0.46441320513515	186	-7.09387213651084	2.7619403087646e-11	0.215679625103903	1.2084498559057e-09
ESCA	PRDM5	cg19294653	-0.45965376560568	186	-7.00156905543691	4.65250989928482e-11	0.211281584235482	1.95641813570251e-09
ESCA	PRDM5	cg22135105	-0.483283781781205	186	-7.46774698952561	3.22190143541628e-12	0.233563213732743	1.6810503036001e-10
ESCA	PRDM8	cg01304890	-0.0246906164613493	186	-0.334110325313176	0.738678880780468	0.000609626541241452	0.852846317177735
ESCA	PRDM8	cg02895669	-0.039301306321976	186	-0.532069291416781	0.595323366596636	0.00154459267861379	0.756716871687505
ESCA	PRDM8	cg04343891	-0.0484224016035716	186	-0.655815413305699	0.512766563169063	0.00234472897705757	0.694627345119913
ESCA	PRDM8	cg05007549	0.21325031969746	186	2.95271643261323	0.00356305980699275	0.045475698851069	0.01891916419529
ESCA	PRDM8	cg07462804	-0.056096064672198	186	-0.760050290667906	0.448202589618608	0.00314676847170742	0.639615503970889
ESCA	PRDM8	cg08074201	-0.0336971559307771	186	-0.456105703336636	0.648854778561748	0.00113549831782311	0.794575670871167
ESCA	PRDM8	cg10695325	0.0489814779797779	186	0.663405446580314	0.507905753353233	0.00239918518508347	0.690552276842277
ESCA	PRDM8	cg11571772	-0.0686605656382288	186	-0.931020049899488	0.35306977860596	0.00471427327376152	0.552083583382687
ESCA	PRDM8	cg12572049	0.0250804876487733	186	0.339389308158506	0.73470563817889	0.000629030860700268	0.850460940112165
ESCA	PRDM8	cg14489346	-0.0672369438040012	186	-0.911627496718322	0.363164151524533	0.00452080661210242	0.562128016946208
ESCA	PRDM8	cg15656813	-0.0355949832626852	186	-0.481825342219256	0.630505742367719	0.00126700283347084	0.781961985019325

ESCA	PRDM8	cg16117799	0.0639127100977741	186	0.866366409045861	0.387423728117467	0.00408483451204211	0.585364385976737
ESCA	PRDM8	cg18624348	-0.0823513861393806	186	-1.11782575893213	0.265106737255319	0.00678175079907737	0.460762142941025
ESCA	PRDM8	cg19595012	-0.00096782063938836	186	-0.0130924410685109	0.989568304085189	9.36676790026095e-07	0.994436321090902
ESCA	PRDM8	cg20142271	0.0142411953801189	186	0.192670859180871	0.847430398947312	0.000202811645854719	0.918597690522206
ESCA	PRDM8	cg26162932	0.0243990224536352	186	0.330162147328031	0.741655101321448	0.000595312296692994	0.854644370049115
ESCA	PRKAA1	cg00301775	-0.00230038631188897	186	-0.0311191315627116	0.975208445382945	5.29177718392613e-06	0.986921110159736
ESCA	PRKAA1	cg01883943	-0.173429869380398	182	-2.35603636478954	0.019553007956594	0.030077919593302	0.0715587575624075
ESCA	PRKAA1	cg03125217	0.249916594860096	186	3.49160690849064	0.000601806586336589	0.0624583043864652	0.00438566197447013
ESCA	PRKAA1	cg05874655	0.356288350671468	186	5.1582865897675	6.44040423242868e-07	0.126941388824195	1.15817107456671e-05
ESCA	PRKAA1	cg06971720	-0.0676942873301555	186	-0.917856807079791	0.359901944704127	0.00458251653713765	0.558746171073317
ESCA	PRKAA1	cg10786880	-0.0817737808968177	186	-1.10993246071486	0.268484484372549	0.00668695124216075	0.464278168743817
ESCA	PRKAA1	cg24728477	0.0131498536188845	186	0.177903304606475	0.858995689280183	0.000172918650198089	0.925075939641217
ESCA	PRKCD	cg02121118	-0.0267493314977604	186	-0.361987778474624	0.717778814494807	0.000715526735577078	0.839730929233125
ESCA	PRKCD	cg02559423	-0.0809296470181235	186	-1.09839892266412	0.273473375173989	0.00654960776647807	0.469847836935397
ESCA	PRKCD	cg02630105	0.106382153041831	186	1.44732419685909	0.149517021397262	0.0113171624858156	0.314987059944719
ESCA	PRKCD	cg10531918	-0.306407841231332	186	-4.35445636922245	2.21703861306538e-05	0.0938857651680454	0.000262076131081611
ESCA	PRKCD	cg13469346	0.133051911238138	186	1.81603917047534	0.0710009293722377	0.0177028110841214	0.18626939262752
ESCA	PRKCD	cg13889007	-0.533172155158883	186	-8.52548642875997	5.58395825537387e-15	0.284272547036768	4.32237262207517e-13
ESCA	PRKCD	cg13908523	0.0290462865664975	186	0.393096741810994	0.694705580604379	0.000843686763303096	0.824996465122758
ESCA	PRKCD	cg14727059	-0.0938533836325129	186	-1.2752539741042	0.203835929308456	0.00880845761927164	0.387763786487553
ESCA	PRKCD	cg21903826	-0.0879482762605857	186	-1.19437036311999	0.233878904497263	0.00773489929720831	0.424824016693885
ESCA	PRMT1	cg07702240	0.00193411314846187	186	0.0261642466474695	0.979154842475267	3.7407936710531e-06	0.989251582019753
ESCA	PRMT1	cg08377944	-0.0152173119589836	186	-0.205879819392345	0.837113644074345	0.000231566583257026	0.912845792362203
ESCA	PRMT1	cg11787855	-0.130334964215627	186	-1.77830764728494	0.077013730164709	0.0169872028970889	0.197612481158686
ESCA	PRMT1	cg14258555	0.0551877495783867	186	0.747705545535868	0.455597517085097	0.00304568770352672	0.645869838255668
ESCA	PRMT1	cg14576628	-0.2512460483154	186	-3.51142875651593	0.000561301257349742	0.0631245767941042	0.00413345986503841
ESCA	PRMT1	cg18880319	-0.0247204337051998	186	-0.334514055087758	0.738374762176469	0.000611099842573179	0.852689781270593
ESCA	PRMT1	cg22292364	0.028181322258622	186	0.381381335402269	0.703362739087729	0.000794186924244306	0.830523821389293
ESCA	PRMT1	cg24228123	-0.188477234104089	186	-2.59620305960944	0.0101915687766009	0.0355236677755277	0.0432562006332527
ESCA	PRMT1	cg25595446	-0.151799491510009	186	-2.07758191500282	0.0391439018992989	0.0230430856226973	0.120557452961481
ESCA	PRMT1	cg26846726	0.0136534670104534	186	0.184717896321609	0.8536548558906	0.00018641716140554	0.921966206568838
ESCA	PRMT2	cg04493422	0.106448983525183	186	1.44824384000741	0.149260027784395	0.0113313860935447	0.314706758867826
ESCA	PRMT2	cg06725035	-0.283803052015159	183	-3.97089020690355	0.000103401766235795	0.0805441723331192	0.000991255329950394
ESCA	PRMT2	cg09031657	-0.175112794633813	186	-2.40605949899247	0.0171209753495917	0.0306644908444639	0.064618142652151
ESCA	PRMT2	cg10187059	-0.110622593265987	186	-1.50571605681092	0.133864193367223	0.012237358140892	0.291973843014825
ESCA	PRMT2	cg10657630	-0.111212488169319	186	-1.51384556756277	0.131790195694379	0.012368217524811	0.288802436164747
ESCA	PRMT2	cg12162201	-0.1744538936923	186	-2.39672143054903	0.017549505151072	0.0304341610244042	0.065852122502532
ESCA	PRMT2	cg13271076	0.220667724026602	186	3.06058396392812	0.00254147233938188	0.0486942444270806	0.0144367505783041
ESCA	PRMT2	cg17243659	-0.063997835626434	185	-0.865151533386202	0.388094548449083	0.00409572296486807	0.585918618916326
ESCA	PRMT2	cg23283320	-0.188550298746435	185	-2.59014056601506	0.0103705189345651	0.0355512151573699	0.0438482607748007
ESCA	PRMT3	cg01769160	-0.0464115392752598	186	-0.628520957745369	0.53044639476686	0.00215403097789898	0.708299808350379
ESCA	PRMT3	cg04101203	-0.15370444981713	185	-2.09852342857877	0.037238907998729	0.0236250578935865	0.11619459364885
ESCA	PRMT3	cg06578097	-0.251290898210032	186	-3.51209782725688	0.000559979754329525	0.0631471155232046	0.00412529024699916
ESCA	PRMT3	cg13432154	-0.276111535718721	186	-3.88624298512011	0.000142210747719189	0.0762375801569504	0.00130154622447842
ESCA	PRMT3	cg13982511	-0.197566005461238	186	-2.72636108815549	0.00702626943444424	0.0390323265139097	0.0324932590882865
ESCA	PRMT3	cg19653624	-0.190203500711965	186	-2.62087007206317	0.00950791940213888	0.0361773716830866	0.0409443167434261
ESCA	PRMT3	cg23019633	-0.31736718981614	186	-4.52731351816245	1.0738776462123e-05	0.100721933171794	0.000139514424865464
ESCA	PRMT3	cg23071995	-0.0158936661206369	186	-0.215032691349201	0.829981280699121	0.000252608622754282	0.908685596581673
ESCA	PRMT6	cg00944433	-0.389944711854721	186	-5.72855674188425	4.09673717385716e-08	0.152056878303462	9.78212313391787e-07
ESCA	PRMT6	cg02990361	-0.420753243728514	186	-6.27425093827437	2.4732316729969e-09	0.177033292108066	7.61990434729193e-08
ESCA	PRMT6	cg02993280	-0.430848988040165	186	-6.45862345708333	9.25104519594902e-10	0.185630850495234	3.08080398105162e-08
ESCA	PRMT6	cg09367891	-0.457850723814621	186	-6.9688022016693	5.65685918894029e-11	0.209627285297572	2.34954460087785e-09
ESCA	PRMT6	cg14671364	-0.431671054444875	186	-6.47376548682374	8.52692500994674e-10	0.18633989924555	2.85957814027422e-08
ESCA	PRMT6	cg14828511	-0.446364422956384	186	-6.74783192424192	1.91365604455285e-10	0.199241198081185	7.23376862633356e-09
ESCA	PRMT6	cg22528358	-0.00453597908482746	186	-0.0613622189715391	0.951137705094887	2.05751062579922e-05	0.974102246315845
ESCA	PRMT7	cg00894222	-0.227946563561928	186	-3.16697897349459	0.0018049457393836	0.051959635839692	0.0109322601097484
ESCA	PRMT7	cg02477175	-0.182868796574051	186	-2.51623365317813	0.0127215051499003	0.0334409967604415	0.0514963456983735

ESCA	PRMT7	cg06089844	-0.134004542033671	186	-1.829278624576	0.0689853245136137	0.017957217285654	0.182365241783745
ESCA	PRMT7	cg06092312	0.0447537929989885	186	0.606052598890971	0.545248907326968	0.00200290198779631	0.719190564005349
ESCA	PRMT7	cg06745885	-0.180200494721391	186	-2.47827674506222	0.0141078207991188	0.032472218297834	0.0556599965131682
ESCA	PRMT7	cg09175928	-0.306100884965309	186	-4.3496428797269	2.2615827438211e-05	0.0936977517765456	0.000266668981373409
ESCA	PRMT7	cg09779635	-0.0577565879726234	186	-0.782623076746566	0.434860034511186	0.00333582345423938	0.628228964786035
ESCA	PRMT7	cg10233539	0.1044736377752	186	1.42106975817827	0.156998241876079	0.0109147409899838	0.325650479362956
ESCA	PRMT7	cg10446007	-0.0868139637224172	186	-1.17884822674744	0.239989079037789	0.00753666429719717	0.431940364352925
ESCA	PRMT7	cg11893236	-0.0438295465086305	186	-0.593485440730796	0.553589147550978	0.0019210291471522	0.725490896996604
ESCA	PRMT7	cg19328639	-0.0563650020022802	186	-0.763705730812983	0.446026116702738	0.00317701345071705	0.637939286329958
ESCA	PRMT7	cg21918026	-0.012686574618333	186	-0.171634613166215	0.863914438639498	0.00016094917554653	0.927727452473271
ESCA	PRMT7	cg26492318	-0.168721896375789	186	-2.31562501263274	0.021687576248108	0.0284670783166425	0.0774674368265446
ESCA	PRMT7	cg26561196	0.0753408137028416	186	1.02209659675693	0.308084439390551	0.00567623820940628	0.506661611659659
ESCA	PRMT7	cg26796563	0.0313994950813558	186	0.424974044932816	0.671354860972994	0.000985928291364084	0.809645568405173
ESCA	PRMT8	cg01693063	-0.141366748640989	186	-1.9317741706819	0.0549319914687062	0.0199845576213247	0.15451348101083
ESCA	PRMT8	cg06029846	-0.145206830147443	186	-1.98536382018985	0.0485976397523093	0.0210850235214684	0.14126619649343
ESCA	PRMT8	cg07912789	-0.188703751564548	186	-2.59943839058765	0.0100994555250373	0.0356091058545346	0.0429597922496375
ESCA	PRMT8	cg10350722	0.0653673749023162	186	0.886168736518202	0.376689628114924	0.00427289370161995	0.575201054637703
ESCA	PRMT8	cg11596580	-0.127086752262753	186	-1.73325160617904	0.0847353854549898	0.0161510426006943	0.211590953844947
ESCA	PRMT8	cg19656577	-0.187230412763923	186	-2.5784024830518	0.0107119873393566	0.0350552274637491	0.0449718479804593
ESCA	PRMT8	cg21667836	0.164786163780072	186	2.26008278168728	0.024994444790363	0.0271544797733527	0.086172036863436
ESCA	PRMT8	cg23739862	-0.152337977983753	186	-2.08512661198582	0.0384453746423859	0.0232068595361785	0.118867273754213
ESCA	PRMT8	cg24100636	-0.197906941277466	186	-2.7312575310685	0.00692681236181368	0.0391671574058025	0.0321479800068568
ESCA	PRMT8	cg27316886	-0.239266274353159	186	-3.33356080727101	0.00103773615658219	0.057248350042841	0.00692482814935278
ESCA	PWWP2E	cg00259755	-0.225175074463933	186	-3.12640323870085	0.00205871935767856	0.0507038141598376	0.0121773124780448
ESCA	PWWP2E	cg05010219	0.0087422795577272	186	0.118267885347283	0.905985117322013	7.64274518654549e-05	0.95023017650485
ESCA	PWWP2E	cg15012692	-0.0995890291707026	186	-1.35394634925039	0.177423175350701	0.00991797473116306	0.353700599729197
ESCA	PWWP2E	cg15278699	-0.393821956526335	186	-5.79591114328448	2.9223909489465e-08	0.15509573344223	7.244790241236e-07
ESCA	PWWP2E	cg19919881	-0.195365565441974	186	-2.69478353888252	0.00769933195297941	0.0381677041604622	0.0349126736972534
ESCA	PWWP2E	cg22633292	-0.149553710799716	186	-2.04613676662038	0.0421734622403015	0.0223663124139652	0.127268021316654
ESCA	PWWP2E	cg22664157	0.061908790888963	186	0.839096144968141	0.402510125812157	0.00383269838933334	0.599060124879107
ESCA	PWWP2E	cg24520806	0.0821144958857962	186	1.11458838459997	0.266488506306276	0.00674279043457844	0.462162134328877
ESCA	PYGO1	cg06364757	-0.446345188488445	186	-6.74746880759773	1.91749293778528e-10	0.199224027286785	7.2447520933496e-09
ESCA	PYGO1	cg09275667	-0.429359531439598	186	-6.4312386902738	1.07173186000574e-09	0.184349607238031	3.52534073223199e-08
ESCA	PYGO1	cg11480800	-0.446401456257404	186	-6.74853108788564	1.90628957570006e-10	0.199274260148731	7.20942592377299e-09
ESCA	PYGO1	cg12686317	-0.373383260036877	186	-5.44481987364925	1.65248995540098e-07	0.139415058875766	3.41625839995918e-06
ESCA	PYGO1	cg13878116	0.0452514674996586	186	0.612778218961851	0.54078374478098	0.00204769531087266	0.715929232896563
ESCA	PYGO1	cg17841803	-0.413369649148361	186	-6.14121053583371	4.97515086442831e-09	0.170874466837039	1.44094149794243e-07
ESCA	PYGO1	cg19850348	-0.394445953705356	186	-5.80678507349871	2.76663510397709e-08	0.155587610394528	6.88948819714449e-07
ESCA	PYGO1	cg22510134	0.224313549014554	186	3.11380649999788	0.00214397885454768	0.0503165682715047	0.0125612811425427
ESCA	PYGO1	cg23030278	-0.396438180571653	186	-5.84156592630275	2.32102208401923e-08	0.157163231014962	5.88723808295377e-07
ESCA	PYGO1	cg23412777	0.0558498394599938	186	0.756703702889478	0.450200491867604	0.00311920456770708	0.641139696561132
ESCA	PYGO1	cg25902187	-0.416375474812347	186	-6.19519127895666	3.7507758133664e-09	0.173368536025207	1.11130884172508e-07
ESCA	PYGO2	cg01277844	0.130342172240544	186	1.77840769419712	0.0769972502082681	0.0169890818643837	0.197602483512091
ESCA	PYGO2	cg02341811	-0.0672708354627917	186	-0.912089102862612	0.362921776370995	0.00452536530386199	0.561909377470499
ESCA	PYGO2	cg04602755	-0.197189643887243	186	-2.72095706398673	0.00713753599589905	0.0388837556563778	0.0329060966732826
ESCA	PYGO2	cg10892866	0.068796905659554	186	0.932877569348882	0.352112365152315	0.00473301422832957	0.550985202346559
ESCA	PYGO2	cg14024356	-0.0118348154375865	186	-0.160109628858553	0.87297130730839	0.000140062856441735	0.932702437520586
ESCA	PYGO2	cg18188585	-0.16392153534443	186	-2.24789586039233	0.0257763093631869	0.0268702697496751	0.0881502642254159
ESCA	PYGO2	cg24683561	-0.0923339979024585	186	-1.25442998136018	0.211285608028501	0.00852556716865122	0.39724370038836
ESCA	PYGO2	cg27105205	0.0643850528834731	186	0.872795789252735	0.383918162651559	0.00414543503480763	0.582091437083463
ESCA	RBBP4	cg05797186	-0.163692943778279	186	-2.24467475774438	0.0259864926226555	0.026795379842799	0.0887130805939454
ESCA	RBBP4	cg06526778	-0.0891224915622191	186	-1.21044346924675	0.227669843771467	0.00794281850225782	0.417392285480627
ESCA	RBBP4	cg09036220	-0.0451569952161331	186	-0.61149629433447	0.541629959490605	0.00203915421694986	0.716506415029081
ESCA	RBBP4	cg11229946	-0.133643117167106	186	-1.82425501517772	0.069744479245094	0.0178604827661409	0.183866007604217
ESCA	RBBP4	cg13641837	0.0495874172194922	175	0.651133913191029	0.515829013221595	0.00245891194649999	0.697044193096077
ESCA	RBBP4	cg16148416	0.0588788727098679	186	0.797882846227154	0.42597261082116	0.00346672165158483	0.620619014903655
ESCA	RBBP4	cg16396527	-0.145696713886598	186	-1.99220685113752	0.0478351586141279	0.0212275324373531	0.13969324408677

ESCA	RBBP4	cg18758482	-0.034747022803705	186	-0.470333027325316	0.638677159618259	0.0012073555937212	0.787542217428439
ESCA	RBBP4	cg20740619	0.234220045802902	186	3.25912720673175	0.00133243908797984	0.0548590298559133	0.0085180184411458
ESCA	RBBP4	cg22358606	0.134844132024207	186	1.84095134225868	0.0672477768642631	0.0181829399413617	0.179000669040528
ESCA	RBBP4	cg22857567	-0.0296316148896649	186	-0.401025151592177	0.688869453125453	0.000878032600969411	0.821151757574765
ESCA	RBBP4	cg23016766	-0.0359154466295517	186	-0.486168816963933	0.627429141784931	0.00128991930660018	0.779790757197446
ESCA	RBBP4	cg26131911	0.099342597800733	186	1.35056259637282	0.178503323998857	0.0098689517377982	0.355102214451253
ESCA	RBBP5	cg00960017	-0.252247890372512	186	-3.52638000062779	0.000532457882893108	0.0636289981973829	0.00395323807423043
ESCA	RBBP5	cg02189925	0.0770349779625869	186	1.04521583895539	0.297301882670333	0.00593438782969626	0.495358806178108
ESCA	RBBP5	cg03143531	-0.277260339587136	186	-3.90375576419147	0.000133036362572019	0.0768732959079738	0.00122997594291325
ESCA	RBBP5	cg05290904	-0.109036571893772	186	-1.48386660499297	0.13956461323409	0.0118889740103456	0.300664327266838
ESCA	RBBP5	cg07601985	0.10828640322316	186	1.47353608813456	0.142324562809347	0.0117259451230088	0.304736659213121
ESCA	RBBP5	cg07972983	0.0167156217916112	186	0.226156337902339	0.821332225441083	0.000279412011880187	0.904115112931239
ESCA	RBBP5	cg14717946	-0.0669809912324314	186	-0.908141511719339	0.364997831427518	0.00448645318647905	0.563956410218125
ESCA	RBBP5	cg18131828	-0.351369160607805	186	-5.07695585772607	9.38938162977464e-07	0.123460287026234	1.62103318798644e-05
ESCA	RBBP5	cg21214746	-0.138555107272311	186	-1.89259333193164	0.0599906769308668	0.0191975177512415	0.164670890966258
ESCA	RBBP5	cg23227967	-0.18119246136924	186	-2.49238093167673	0.0135777232676092	0.0328307080570434	0.0541064134760984
ESCA	RBBP5	cg24103461	-0.00474923504954583	186	-0.0642471854790097	0.948843531919866	2.25552335558346e-05	0.972828479653303
ESCA	RBBP5	cg26795850	-0.251392584543679	186	-3.51361487345842	0.000556994201874294	0.0631982315635506	0.00410748497133146
ESCA	RBBP7	cg01947226	-0.089593614590649	175	-1.17975373081022	0.23972733034073	0.00802701577541776	0.431656648092489
ESCA	RBBP7	cg03048084	-0.125733334754986	186	-1.71449513109314	0.0881307857944054	0.0158088714686093	0.21766608515112
ESCA	RBBP7	cg03171708	0.0189485176050136	186	0.25637682469002	0.797947865002571	0.000359046319427512	0.889585472175973
ESCA	RBBP7	cg03811055	-0.10944793476963	186	-1.48953254056301	0.138068611221637	0.0119788504253372	0.298383463660194
ESCA	RBBP7	cg07096248	-0.126680815983688	186	-1.72762486879584	0.0857425799729289	0.0160480291382931	0.213371967243962
ESCA	RBBP7	cg08363715	-0.106616816266076	186	-1.45055344595461	0.148616108825421	0.0113671455107143	0.313717786068021
ESCA	RBBP7	cg14719055	-0.311266108631846	186	-4.43084711423268	1.61342735312689e-05	0.096886590382812	0.000198442636378108
ESCA	RBBP7	cg15289846	-0.0274904532314343	186	-0.372024559018833	0.710305000660191	0.000755725018869675	0.834995386106653
ESCA	RBBP7	cg15464143	0.00991279948665443	186	0.134104454859636	0.893467345781919	9.82635936626163e-05	0.943508697097228
ESCA	RBBP7	cg16978043	-0.0839722583596494	186	-1.13998196635303	0.255783660487776	0.00705134017401971	0.450058446248526
ESCA	RBBP7	cg17878446	0.000304166856973296	186	0.00411469316421177	0.996721441110512	9.25174768810133e-08	0.998316892964834
ESCA	RBBP7	cg17880859	-0.121390767402457	186	-1.65437832848984	0.099764825942336	0.0147357184105573	0.237873689562574
ESCA	RBBP7	cg21122900	-0.0184242273252623	186	-0.249280640553302	0.803423277046383	0.000339452152532943	0.89291770495517
ESCA	RING1	cg01241018	0.0581403458918013	186	0.787840717123688	0.431809157241321	0.00338029982041829	0.625637525179592
ESCA	RING1	cg01878788	-0.145155081949256	186	-1.98464105318471	0.0486787712103666	0.0210699978156953	0.141455916011328
ESCA	RING1	cg02475416	-0.0479333332811624	186	-0.649176317811994	0.51703832835872	0.00229760443944299	0.698064555993375
ESCA	RING1	cg03037740	0.0323122404502299	186	0.437340255714694	0.662380278289319	0.00104408088291347	0.803649342024416
ESCA	RING1	cg06316695	-0.0852243109236509	186	-1.15710289206546	0.248738451915303	0.00726318317241112	0.44215243415362
ESCA	RING1	cg06671577	-0.0823954137136967	186	-1.11842746673901	0.264850467075682	0.00678900420105124	0.460481343547417
ESCA	RING1	cg07946923	-0.139594547922973	186	-1.90707267361668	0.0580776132077389	0.0194866378098192	0.16075302130573
ESCA	RING1	cg08892712	-0.122560427918036	186	-1.67056100897226	0.0965178082042424	0.0150210584914521	0.2321739756166
ESCA	RING1	cg09478665	-0.0510153390919715	186	-0.691022516848156	0.490427009054299	0.00260256482266883	0.67624742352192
ESCA	RING1	cg09724776	0.163288780536333	186	2.23898056887056	0.0263617057892124	0.0266632258490429	0.0896321044111638
ESCA	RING1	cg09832551	-0.132413138532617	186	-1.8071645196521	0.0723790924613494	0.0175332392560581	0.188859566610928
ESCA	RING1	cg09869033	-0.0552293097571788	186	-0.748270341476757	0.455257680630126	0.0030502766562544	0.645552768891765
ESCA	RING1	cg10265934	-0.0140181625550924	186	-0.189652823257361	0.849791384160965	0.000196508881420995	0.919887999045697
ESCA	RING1	cg12065531	-0.060592657355363	186	-0.821191151218593	0.412605897721832	0.00367147012538443	0.608248089954716
ESCA	RING1	cg12115664	-0.121064348615717	186	-1.64986345684111	0.100686230765452	0.014656576505748	0.239395599992897
ESCA	RING1	cg12256228	-0.0405981309813355	186	-0.549654495614405	0.583226533686662	0.00164820823917768	0.748245601681073
ESCA	RING1	cg14046664	-0.204774726382963	186	-2.83011372728171	0.00517312052332655	0.0419326885652173	0.0254691309405522
ESCA	RING1	cg14363494	-0.172339576012764	186	-2.36677927326248	0.0189881760996165	0.0297009294602592	0.0698990892972899
ESCA	RING1	cg18189601	-0.277145781367456	185	-3.89133275503336	0.000139728838685709	0.0768097841297776	0.00128184732036746
ESCA	RING1	cg20505183	-0.0339692268801239	186	-0.459792539540547	0.64621091994319	0.00115390837483333	0.792578611768502
ESCA	RING1	cg24536938	0.16571106779208	186	2.27312521567361	0.0241807053545222	0.0274601579887913	0.0840458311299123
ESCA	RING1	cg24550302	-0.10521234932549	186	-1.43122992395958	0.154069850055557	0.011069638450589	0.321504717046353
ESCA	RNF17	cg00202166	-0.77352530627444	186	-16.5109299904621	4.29543024396575e-38	0.598341399446966	1.65425099207461e-35
ESCA	RNF17	cg01405147	-0.172802376054685	186	-2.37333037150098	0.0186648103104259	0.0298606611701448	0.069025016794508
ESCA	RNF17	cg07131398	-0.359611847498148	181	-5.14179642407832	7.12371013539767e-07	0.129320680861031	1.26294873808826e-05
ESCA	RNF17	cg12020676	-0.243920717124421	186	-3.4024692854993	0.000820228764851943	0.059497316242492	0.00568706564464279

ESCA	RNF17	cg14855529	-0.196203138286009	186	-2.70679816063609	0.00743666410965088	0.0384956714732787	0.0339531573300183
ESCA	RNF17	cg15523998	-0.341730074371385	186	-4.91896986295918	1.92985606406494e-06	0.116779443729872	3.06202779212458e-05
ESCA	RNF17	cg17806989	-0.849245835737064	186	-21.7584015532742	1.20736330044222e-52	0.721218489516744	7.95979835547474e-50
ESCA	RNF17	cg20477497	-0.191373466432322	186	-2.63760229925099	0.00906795062451228	0.0366238036543231	0.0395643382435955
ESCA	RNF17	cg21831927	-0.310730764149052	186	-4.42240593256871	1.6713902415771e-05	0.096553607788654	0.00020473017234018
ESCA	RNF17	cg23678722	-0.261418463198344	186	-3.66381036510425	0.000325286075448057	0.0683396129009841	0.00261472462837427
ESCA	RNF17	cg24753530	-0.246337479263521	186	-3.43834737407005	0.000724641873191611	0.0606821536899056	0.00513273148348067
ESCA	RNF20	cg04845236	-0.0378323834961177	186	-0.512153649032482	0.609161014304778	0.00143128924099732	0.766776239775187
ESCA	RNF20	cg14625770	0.191257155767922	186	2.63593836498171	0.00911086769298349	0.036579299632435	0.0397026014624668
ESCA	RNF20	cg21219529	0.0389472726181002	186	0.527268994591123	0.598645430913725	0.00151689004438862	0.75910516080956
ESCA	RNF217	cg00991794	-0.454976559700757	186	-6.91160608956086	7.70674900084048e-11	0.207003669877136	3.14388480215723e-09
ESCA	RNF217	cg02312409	-0.459617573330068	186	-7.00087010766683	4.67085232389972e-11	0.211248313713821	1.96307015497274e-09
ESCA	RNF217	cg03113502	-0.3759424572166	186	-5.48825733248934	1.33881958982431e-07	0.141332731138055	2.83099024655591e-06
ESCA	RNF217	cg06993703	-0.45591285676239	186	-6.925568480021	6.97043447489102e-11	0.207856532961243	2.85699673097825e-09
ESCA	RNF217	cg07439975	-0.4498168997085	186	-6.81319957710773	1.33303239906737e-10	0.202335243263366	5.19972561700231e-09
ESCA	RNF217	cg10621825	-0.451445720331559	186	-6.84417147285008	1.12239865528107e-10	0.20380323840568	4.44808359597228e-09
ESCA	RNF217	cg16203203	-0.473889583160185	186	-7.28000675134997	9.54467206432981e-12	0.224571337027734	4.54417514426238e-10
ESCA	RNF217	cg17382198	-0.46152511133747	186	-7.03776906954052	3.79365232223757e-11	0.213005428395064	1.61977710623573e-09
ESCA	RNF217	cg18192252	-0.451767169247894	186	-6.85029392898152	1.08482489502284e-10	0.204093575210255	4.31456379772018e-09
ESCA	RNF217	cg19171596	-0.452852819611361	186	-6.87099651024118	9.66724676394672e-11	0.20507567622996	3.87856521276159e-09
ESCA	RNF217	cg19478500	-0.449031816971968	186	-6.79830177353993	1.44777785986789e-10	0.201629572653147	5.6006181417485e-09
ESCA	RNF217	cg20034100	0.225818679043232	185	3.12723915312472	0.00205482720820252	0.0509940758048301	0.0121570634903724
ESCA	RNF217	cg23521835	-0.457194803685138	186	-6.95418156468677	6.07202562437494e-11	0.209027088516692	2.5070267507041e-09
ESCA	RNF217	cg24822696	-0.445094454053411	186	-6.72388191857974	2.18364816753413e-10	0.198109073029104	8.1642048791949e-09
ESCA	RPH3A	cg00851732	-0.083008308551781	186	-1.12680434947977	0.261300585449493	0.00689037928862768	0.456647749243637
ESCA	RPH3A	cg00854817	-0.111309171683762	186	-1.51517814508067	0.131452636869542	0.0123897317009251	0.288314483989658
ESCA	RPH3A	cg01119407	-0.232225337559497	186	-3.22978187100706	0.00146871011224569	0.0539286074046222	0.00923586084164912
ESCA	RPH3A	cg01573562	-0.0840750018391032	186	-1.14138670420727	0.255200403655604	0.00706860593424521	0.449489680356459
ESCA	RPH3A	cg05967001	-0.087888396782734	186	-1.19355084508108	0.234198696251987	0.00772437028903928	0.425137168970414
ESCA	RPH3A	cg08254200	-0.0539587027303416	186	-0.731004751948393	0.465711173504444	0.00291154160034138	0.655003164441798
ESCA	RPH3A	cg09384610	-0.100338537410438	186	-1.36423940752515	0.174167636779248	0.0100678220896659	0.349368189768574
ESCA	RPH3A	cg11596863	-0.0706508892183146	186	-0.958141811274713	0.339255378550544	0.00499154814733856	0.538531580105748
ESCA	RPH3A	cg16403344	-0.113370984581044	186	-1.54360630499594	0.124411228004005	0.0128529801448753	0.27748636920048
ESCA	RPH3A	cg17453780	-0.142264645145603	186	-1.94429655451055	0.0533928239013815	0.0202392292584042	0.151349706405191
ESCA	RPH3A	cg18629535	-0.115584896447526	186	-1.57415410008331	0.117179068910313	0.0133598682867853	0.266381607212581
ESCA	RPH3A	cg19712198	-0.113888209308135	186	-1.5507409246132	0.122691452540233	0.0129705242194135	0.274840441687253
ESCA	RPH3A	cg20704159	-0.18120354297945	186	-2.49253853886412	0.0135719013005106	0.0328347239883055	0.0540942970474394
ESCA	RPH3A	cg21900624	0.00552074954639617	186	0.0746844537327417	0.940547353505015	3.04786755540336e-05	0.968318554824381
ESCA	RPH3A	cg23199238	-0.083615476067641	169	-1.08109594467	0.281222520506205	0.00699154783801824	0.47844606482657
ESCA	RPH3A	cg23549179	0.194296827838948	186	2.67946185588286	0.00804645071620528	0.0377512573082778	0.0360932703117381
ESCA	RPH3A	cg23596620	-0.131126957087413	186	-1.78930217585377	0.075219949495565	0.0171942788750043	0.194297597737424
ESCA	RTF1	cg04910470	-0.122206884534931	186	-1.66566886520894	0.0974902912574404	0.0149345226277339	0.233754344832218
ESCA	RTF1	cg07091958	-0.120166892939074	186	-1.63745306559434	0.103254231375931	0.0144400821586309	0.24363977298854
ESCA	RTF1	cg07129439	0.171432614030289	186	2.35394558565867	0.0196359963538142	0.0293891411153258	0.0717873349475363
ESCA	RTF1	cg15581235	0.244614877289484	186	3.41276751543703	0.000791649479640178	0.0598364381913491	0.00552089463192542
ESCA	RTF1	cg18782716	0.232957003783622	186	3.24054081942715	0.00141731150756931	0.0542689656118426	0.0089706558798997
ESCA	RTF1	cg22263512	0.14963073871611	186	2.04721476258592	0.0420663843888019	0.0223893579687288	0.127043453051068
ESCA	RTF1	cg24280607	-0.27064073882909	186	-3.80308976796611	0.000194589262670545	0.0732464095139559	0.00169631074632366
ESCA	RTF1	cg27576415	0.259218909074825	186	3.63075263362953	0.00036669802550812	0.0671944428219426	0.00289202212047635
ESCA	SATB1	cg01069104	-0.134284218794766	186	-1.83316648972772	0.0684025098545275	0.0180322514173207	0.181286575533101
ESCA	SATB1	cg01373248	0.0157031099158562	186	0.212453929393633	0.831989375935885	0.00024658766102946	0.909923683226108
ESCA	SATB1	cg04004754	-0.116623127232544	186	-1.58848788100884	0.113902274626594	0.0136009538054983	0.261209687787421
ESCA	SATB1	cg14415616	-0.0314211601391605	186	-0.425267558670131	0.671141293210732	0.000987289304490766	0.809550489947224
ESCA	SATB1	cg19818826	-0.22790398282467	186	-3.16635496312046	0.00180861869677137	0.0519402253873474	0.0109516774787939
ESCA	SATB1	cg26131754	-0.148104322747185	186	-2.02585984406705	0.0442313095413097	0.0219348904164024	0.131922343842988
ESCA	SATB1	cg26768584	0.00895605371895402	186	0.121160108333388	0.903697151812128	8.02108982167901e-05	0.948952759409221
ESCA	SCML2	cg00457389	-0.239778287254972	186	-3.34112905293667	0.00101145118324995	0.0574936270389278	0.00677791656040546

ESCA	SCML2	cg04189389	0.155955559561703	186	2.13586195670493	0.0340198906945968	0.0243221365582039	0.108423707553843
ESCA	SCML2	cg05049545	-0.27347182909201	186	-3.84607049179074	0.000165577315406051	0.0747868413069297	0.00148175792875858
ESCA	SCML2	cg06131666	0.0934588292500425	186	1.26984553763577	0.205751984226185	0.00873455276478861	0.390063844544702
ESCA	SCML2	cg08300622	-0.279779292721958	186	-3.94221922486162	0.000114820771386812	0.0782764526359991	0.00108462931523842
ESCA	SCML2	cg17710066	0.109936759863774	186	1.4962664148627	0.13630687510748	0.012086091169345	0.29572250359877
ESCA	SCML2	cg17727916	-0.286916321869845	186	-4.05168242080949	7.50726058688983e-05	0.0823209757553203	0.000752505901425728
ESCA	SCML2	cg22823767	-0.275038384850225	186	-3.86989977878709	0.000151311729732328	0.0756461131410205	0.0013717684072715
ESCA	SCML2	cg26246138	-0.269609988900513	186	-3.78746776722261	0.000206280477341186	0.0726895461149345	0.00178047081485413
ESCA	SCML4	cg00977377	0.00349437880980184	186	0.0472713689618436	0.962348494855248	1.22106832663921e-05	0.980256828372825
ESCA	SCML4	cg03500965	-0.276332896854502	181	-3.83611125504486	0.000173377659415561	0.0763598698840006	0.00154075184333724
ESCA	SCML4	cg05603896	-0.225969418470167	186	-3.13802453232346	0.00198285392727397	0.0510621780837456	0.0118111897716961
ESCA	SCML4	cg08792995	-0.197705433498978	186	-2.72836339748559	0.0069854430958472	0.039087438435019	0.0323409843598368
ESCA	SCML4	cg17388996	-0.0923038323182069	186	-1.25401663589539	0.211435463283068	0.00851999746062766	0.397458206810434
ESCA	SCML4	cg23503775	-0.196800298856492	186	-2.71536793277968	0.0072542891541832	0.0387303576300047	0.0333278314805721
ESCA	SCML4	cg27353361	-0.107246305638362	186	-1.45921719177191	0.146219699763395	0.011501770073077	0.310317964955083
ESCA	SCML4	cg27659622	-0.145443803134366	186	-1.98867383426414	0.0482275478576448	0.0211538998701882	0.140501586265124
ESCA	SETD1A	cg26692825	-0.00395471127759377	186	-0.0534987609079526	0.957392874907028	1.56397412891274e-05	0.977579872661817
ESCA	SETD6	cg01152986	-0.294527066081693	185	-4.15781497870686	4.94265800667854e-05	0.0867461926546902	0.000524640656258085
ESCA	SETD6	cg01472538	-0.354725878471901	186	-5.13240099120422	7.26466762502795e-07	0.125830448857662	1.28647291878312e-05
ESCA	SETD6	cg01773760	-0.338586286416731	186	-4.86782689279808	2.42848186903328e-06	0.114640673349472	3.74992692575575e-05
ESCA	SETD6	cg02549819	-0.354090176085939	182	-5.06559721806294	1.00752111468679e-06	0.125379852800571	1.71972302168909e-05
ESCA	SETD6	cg05502081	-0.350883019671611	186	-5.0689445488916	9.74243573653112e-07	0.123118893493868	1.67418388709455e-05
ESCA	SETD6	cg09132913	-0.348612519616217	186	-5.03158979329535	1.15660116498084e-06	0.121530688833168	1.94628230647889e-05
ESCA	SETD6	cg19824325	-0.290281564559186	186	-4.10354982273072	6.11977944389729e-05	0.0842633867229291	0.000633677787912347
ESCA	SETD6	cg26666090	-0.363105778752171	186	-5.27181634000556	3.77931260263514e-07	0.13184580656322	7.16393383551164e-06
ESCA	SETD7	cg05316864	-0.156391694259544	186	-2.14198450142822	0.033516752774765	0.0244583620333707	0.107203448127624
ESCA	SETDB1	cg02060408	-0.267497244134378	186	-3.75549089695829	0.000232317280919676	0.0715547756194872	0.00196772259924074
ESCA	SETDB1	cg08531528	-0.103873180483762	186	-1.41281288074057	0.159409241994636	0.0107896376238122	0.328958633660425
ESCA	SETDB1	cg10589385	-0.107988028403942	186	-1.46942789979884	0.143433796433974	0.0116614142785705	0.306310770829707
ESCA	SETDB1	cg10961700	-0.175457816152404	186	-2.41095053856285	0.0169002371971556	0.0307854452489709	0.0639298445487511
ESCA	SETDB1	cg12082615	-0.0590827663685706	186	-0.800655524067901	0.424369326519268	0.0034907732817631	0.619318414198025
ESCA	SETDB1	cg15448220	-0.119336436257121	186	-1.62597279365242	0.105676264417913	0.01424118501855	0.247766079606567
ESCA	SETDB1	cg16370685	-0.122476239658693	180	-1.64180077556811	0.102406861043037	0.0150004292809337	0.242313496269972
ESCA	SETDB1	cg17899625	-0.0413774329313986	186	-0.560223320020803	0.576012285331538	0.00171209195599239	0.742691633796
ESCA	SETDB1	cg17918089	0.10158263777629	186	1.3813299283227	0.168861815868825	0.0103190322975888	0.342130328776418
ESCA	SETDB1	cg19689029	-0.269870424068004	186	-3.79141358282618	0.000203266258653546	0.0728300457866443	0.00175972572064255
ESCA	SETDB1	cg26820223	-0.246449741661463	186	-3.44001562041285	0.000720461763094481	0.0607374751650017	0.00510730840151012
ESCA	SETMAR	cg00300090	-0.0751607606243716	186	-1.01964004743259	0.309245289872733	0.00564913993763409	0.507872829917444
ESCA	SETMAR	cg02520519	-0.134014663787195	186	-1.82941932214375	0.0689641615868165	0.0179599301099949	0.182315492115567
ESCA	SETMAR	cg06021447	0.0410549864048772	186	0.55585020552484	0.578992207384882	0.00168551190870465	0.745088992610658
ESCA	SETMAR	cg06267913	-0.00015669863693285	186	-0.0021197798955965	0.998310970605117	2.45544628166155e-08	0.999055825450943
ESCA	SETMAR	cg14751177	0.0398981921640687	186	0.540162844059277	0.589741483450178	0.00159186573796096	0.752819877318157
ESCA	SETMAR	cg14961031	-0.161692547275343	186	-2.21650279146407	0.0278893176925583	0.0261444798443891	0.0935141407945725
ESCA	SETMAR	cg15232450	0.0376959487552646	186	0.510304038791568	0.61045343833798	0.00142098455255954	0.767686371774891
ESCA	SETMAR	cg15384599	-0.079408382355215	186	-1.07761962677199	0.282621997198078	0.00630569118827202	0.479840585989247
ESCA	SETMAR	cg16423812	-0.08187714144341	186	-1.11134485735807	0.267877904074334	0.00670386629094417	0.463583992308712
ESCA	SETMAR	cg21901604	-0.182773653611014	186	-2.5148792500833	0.0127688011122996	0.0334062084543189	0.0516367476077473
ESCA	SETMAR	cg22149154	-0.0773413843874122	186	-1.04939814997244	0.295378799505813	0.00598168973896145	0.49335827450933
ESCA	SETMAR	cg23182840	-0.334171114763512	186	-4.79631137300913	3.33944978064833e-06	0.111670333942288	4.97204126766998e-05
ESCA	SETMAR	cg23549342	-0.299825005839528	186	-4.25155355093002	3.38019169941858e-05	0.0898950341266731	0.000378146602263962
ESCA	SETMAR	cg24390964	0.048148978490947	186	0.652103640489625	0.515152525749798	0.00231832412972168	0.696558132377025
ESCA	SETMAR	cg26797270	-0.0458542850194325	186	-0.620958432084987	0.535399620445738	0.00210261545464335	0.711810473954194
ESCA	SETMAR	cg27265118	-0.128704593041547	186	-1.7556855393308	0.0808151922690031	0.0165648722699903	0.204453232320292
ESCA	SFMBT2	cg09060610	-0.0475342411716752	186	-0.643758995093552	0.520537691614285	0.00225950408376698	0.700830881802698
ESCA	SFMBT2	cg12328063	-0.206258668535333	186	-2.85153058059716	0.00485109478627763	0.0425426383459685	0.0241977017995779
ESCA	SFMBT2	cg20299663	-0.210681017012043	186	-2.91547828278222	0.00399533899443088	0.0443864909292286	0.020723603055707
ESCA	SFMBT2	cg25291138	-0.224584036376938	186	-3.11776058381183	0.00211687091617164	0.0504379893953576	0.0124352713928634

ESCA	SHPRH	cg00571935	0.00624790655190192	186	0.0845217629505537	0.932733993101739	3.9036336281299e-05	0.964318478847469
ESCA	SHPRH	cg02758840	0.0016848486088746	186	0.0227922418696959	0.981840829550161	2.83871483482668e-06	0.990601580863035
ESCA	SHPRH	cg06708562	-0.100054137345257	186	-1.36033344282595	0.175397698279497	0.0100108303999035	0.351087229925351
ESCA	SHPRH	cg11387577	-0.0831922249644843	186	-1.12931832051953	0.260241736753963	0.00692094629454137	0.455358652025141
ESCA	SHPRH	cg11675148	0.0190951186809546	186	0.258361084139888	0.796418589940932	0.000364623557439739	0.888534007168679
ESCA	SHPRH	cg12989205	-0.0157439707602353	186	-0.213006889700657	0.831558689285384	0.000247872615299143	0.909713206794132
ESCA	SHPRH	cg14102550	-0.0351185768439413	186	-0.475368531735303	0.635091224787555	0.00123331443954381	0.785049206170322
ESCA	SHPRH	cg15443174	0.0030699139650662	186	0.0415292220583617	0.966919272012238	9.42437175290848e-06	0.982596099486947
ESCA	SHPRH	cg16339435	-0.140515288137269	186	-1.91990389428887	0.0564252746598156	0.0197445462002997	0.157472567421908
ESCA	SHPRH	cg18099523	-0.0364391392379191	186	-0.493267130314339	0.622415262273274	0.00132781086840046	0.776345949233976
ESCA	SHPRH	cg26814539	-0.0416292799937483	186	-0.563639065736891	0.573689821185141	0.00173299695279789	0.741019662434536
ESCA	SHPRH	cg27398948	-0.0940584543129061	186	-1.27806526246549	0.20284515658873	0.00884699282773305	0.386644846290733
ESCA	SIN3A	cg01088093	0.177492111442167	186	2.43980749760502	0.0156484306338094	0.0315034496241987	0.0603068469596042
ESCA	SIN3A	cg01664094	0.113359479470308	186	1.54344761749197	0.124449693510257	0.0128503715857792	0.2775334674246
ESCA	SIN3A	cg02028562	-0.124741195145054	186	-1.70075164770704	0.0906882677419536	0.0155603657662164	0.221974108822878
ESCA	SIN3A	cg07544511	-0.133484654692881	186	-1.82205270666124	0.0700794596904819	0.0178181530384777	0.18453648875068
ESCA	SIN3A	cg10483776	0.224568192923476	186	3.11752895746408	0.00211845009361989	0.0504308732729153	0.0124426354536101
ESCA	SIN3A	cg11184237	-0.236829767444391	186	-3.29758620519765	0.0011716211022175	0.0560883387477643	0.00765796437791194
ESCA	SIN3A	cg15851274	-0.228721625169518	186	-3.17834066741084	0.00173926719711031	0.0523135818201857	0.0106121217515294
ESCA	SIN3A	cg22059910	0.159607651590933	186	2.18717066051552	0.0299980699801555	0.0254746024463727	0.0986836035197994
ESCA	SIN3A	cg25697800	-0.196082879687718	186	-2.70507272471893	0.00747388104861792	0.0384484957066281	0.0340810728192369
ESCA	SIN3B	cg06815056	-0.263061147901086	186	-3.68853866940308	0.000297237601972987	0.0692011675350369	0.00242579512661954
ESCA	SIRT1	cg02720207	-0.0437510782226384	186	-0.592420880814251	0.554300075787572	0.00191415684564342	0.726032025589184
ESCA	SIRT1	cg03211233	-0.0998415071081117	186	-1.35741338861562	0.176321538262383	0.00996832654161912	0.352233925511437
ESCA	SIRT1	cg07832903	-0.00354300128398424	186	-0.0479291338169232	0.961824987571054	1.2552858098314e-05	0.980001978725799
ESCA	SIRT1	cg10582690	-0.139892050789977	186	-1.91121805066032	0.0575394155118987	0.0195697858742256	0.159693945427494
ESCA	SIRT1	cg10705386	-0.13405704902693	186	-1.83000850505825	0.0688755984510811	0.0179712923938086	0.182168031343399
ESCA	SIRT1	cg19192316	0.0568696880281229	186	0.770565956522713	0.441957918654444	0.00323416141641603	0.634392778384763
ESCA	SIRT1	cg19681528	-0.0804236721664992	186	-1.09148684826872	0.276493665195827	0.00646796704474454	0.473101246898586
ESCA	SIRT1	cg19980381	-0.151596183484772	186	-2.07473387305748	0.0394103993969098	0.0229814028471486	0.121167158466711
ESCA	SIRT1	cg25513531	-0.0583187124590015	186	-0.790265939591924	0.430395340060986	0.0034010722228757	0.624376225355791
ESCA	SIRT4	cg04118464	-0.0717336356284088	184	-0.96756999546918	0.334550249191603	0.00514571448046932	0.534150231509273
ESCA	SIRT4	cg07106325	0.240054779615122	186	3.34521721478519	0.00099751251532664	0.0576262972160647	0.00670298770124563
ESCA	SIRT4	cg08264848	-0.209315346012382	186	-2.8957107462781	0.00424383760019127	0.0438129140762833	0.0217702012706416
ESCA	SIRT4	cg12124973	-0.209302029119165	186	-2.89551807709663	0.00424632771800325	0.0438073393933998	0.0217811071147076
ESCA	SIRT4	cg20010714	0.0580460995703857	186	0.786559295135994	0.432557274259095	0.00336934967533513	0.626239635867645
ESCA	SIRT4	cg21068152	0.256764977446194	186	3.59394323202796	0.000418638962508213	0.0659282536429448	0.00322515344121251
ESCA	SIRT4	cg21123573	-0.172458171250722	183	-2.34896406469601	0.0199105908560504	0.0297418208311432	0.072559352839068
ESCA	SIRT5	cg01064902	-0.100243296134615	186	-1.36293132151581	0.174578852117578	0.0100487184199321	0.349958442115926
ESCA	SIRT5	cg02206980	-0.111454107828976	186	-1.51717586455117	0.130947855449157	0.012422018151953	0.287609701270726
ESCA	SIRT5	cg02712746	-0.227277411919424	185	-3.14853695392096	0.00191804501616765	0.0516550219687917	0.0114964476452536
ESCA	SIRT5	cg06139021	-0.0835962300288524	186	-1.13484111275306	0.257926138142799	0.0069883296750368	0.452426290657968
ESCA	SIRT5	cg07534331	-0.22584239150121	186	-3.13616567890662	0.00199481236401459	0.051004785798986	0.0118733307609909
ESCA	SIRT5	cg07909422	-0.166198950902339	186	-2.28000752895004	0.0237607130073284	0.0276220912810381	0.0829827567987477
ESCA	SIRT5	cg08619119	-0.246634672864807	186	-3.4427640642543	0.000713624232816212	0.0608286618591305	0.00506593120269151
ESCA	SIRT5	cg10907941	-0.211387812972429	186	-2.92571587487979	0.00387194465786118	0.0446848074732668	0.0202360808003798
ESCA	SIRT5	cg11824369	-0.210566486917939	186	-2.91381982165692	0.00401566401150411	0.0443382454129625	0.0208041133531534
ESCA	SIRT5	cg19366958	0.181789094810602	186	2.50086789432213	0.0132673636727392	0.0330472749920582	0.0531555487231331
ESCA	SIRT5	cg20150972	-0.103628956048006	186	-1.40945500221323	0.160397777840125	0.0107389605315996	0.330262684063699
ESCA	SIRT7	cg11691214	-0.173932374872885	186	-2.38933272246682	0.0178952676335779	0.0302524710289217	0.0668304186206404
ESCA	SIRT7	cg12710567	-0.149220876704617	178	-1.99635809872127	0.0474455157414436	0.0222668700444946	0.138878596214391
ESCA	SIRT7	cg17552093	-0.031609997865476	186	-0.427825918713641	0.669280903429362	0.000999191965055395	0.808277037919501
ESCA	SIRT7	cg20397086	-0.111964561168255	181	-1.503245669853	0.134547820771261	0.0125360629575998	0.29298027120527
ESCA	SMARCA	cg03460558	-0.217323654934994	186	-3.01188517244671	0.00296364273490843	0.0472295709943041	0.0163039122353063
ESCA	SMARCA	cg06675660	-0.137673331843558	186	-1.88031525819755	0.0616539187226631	0.0189539463009065	0.167953714474363
ESCA	SMARCA	cg08617833	-0.338546551807026	186	-4.86718167662067	2.43550708038767e-06	0.114613767740427	3.75779130923599e-05
ESCA	SMARCA	cg12935118	-0.0869031034689898	186	-1.18006786296837	0.239504910169289	0.00755214939254195	0.431417453093898

ESCA	SMARCA	cg17420696	-0.110066208010944	186	-1.49804982865748	0.135843235628939	0.0121145701459085	0.29495070117831
ESCA	SMARCA	cg18959966	-0.226715312093678	186	-3.14894299914577	0.00191394184345378	0.051399832737734	0.0114771596214942
ESCA	SMARCA	cg24447042	-0.434184686669099	186	-6.52018859770697	6.63689902869632e-10	0.188516342137944	2.26352881647699e-08
ESCA	SMARCA	cg26010110	-0.290579642884756	186	-4.10815198211248	6.0092621802195e-05	0.0844365288590323	0.000623229625447268
ESCA	SMARCA	cg27353825	-0.033061209795177	176	-0.437597917993111	0.662217366502473	0.00109304359312071	0.803514642818938
ESCA	SMARCA	cg04518912	-0.0595360423489444	183	-0.800179219472194	0.424661765274576	0.0035445403385753	0.619577278847489
ESCA	SMARCA	cg13529335	-0.0758469425689714	186	-1.02900249165533	0.304836625552929	0.00575275869706084	0.503352799615066
ESCA	SMARCA	cg14290704	0.0675139111906226	186	0.915399899884308	0.361186372240704	0.00455812820425527	0.560036128559621
ESCA	SMARCA	cg21210735	-0.241196674566832	186	-3.36211021557712	0.000941794999046911	0.0581758358220981	0.00638594963443349
ESCA	SMARCA	cg08405378	-0.128779331149189	186	-1.75672224491993	0.0806376845108317	0.0165841161312326	0.204143009021565
ESCA	SMARCA	cg17218495	-0.0489451291556586	186	-0.662911955217706	0.508221052482501	0.0023956256680641	0.690790982590599
ESCA	SMARCA	cg17747332	0.116979937206634	186	1.59341520450508	0.112792806574878	0.013684305708868	0.259622166353136
ESCA	SMARCA	cg18522266	-0.187252767753572	186	-2.57872152600538	0.0107024539192995	0.0350635990313733	0.0449488042000747
ESCA	SMARCA	cg23892580	-0.0874237073798516	186	-1.18719149019802	0.236690858445304	0.00764290461203792	0.428066598569245
ESCA	SMARCA	cg01278696	0.0267833568105745	186	0.36244855946713	0.717435093748731	0.000717348202042547	0.839507621357491
ESCA	SMARCA	cg01575392	-0.148602716476824	186	-2.03283085377162	0.0435144048226465	0.0220827673442915	0.130283631942923
ESCA	SMARCA	cg02782292	0.0478985124761454	186	0.648703643783649	0.517343166084297	0.00229426749742746	0.698266720334527
ESCA	SMARCA	cg05358385	-0.0247834598506774	186	-0.335367441112575	0.73773206567279	0.000614219882170138	0.852388984339447
ESCA	SMARCA	cg10878459	-0.282023535397633	186	-3.97656233127907	0.000100583608461601	0.0795372745181799	0.000968775688580141
ESCA	SMARCA	cg12253543	-0.112738310483465	186	-1.53488089992424	0.126540162347042	0.0127099266506661	0.280849772891667
ESCA	SMARCA	cg13848802	-0.212031973199421	176	-2.85373124609273	0.0048486695577065	0.0449575576588401	0.0241901750511268
ESCA	SMARCA	cg13898584	-0.183437655456614	186	-2.52433314412669	0.0124419184517453	0.0336493734394194	0.0505724752617731
ESCA	SMARCA	cg16091845	-0.222195857075484	186	-3.0828754002161	0.00236736690095471	0.0493709989015089	0.0136248384029645
ESCA	SMARCA	cg16587443	0.00687245957772742	166	0.0877437623605638	0.93018804001344	4.72307006474974e-05	0.963030148451651
ESCA	SMARCA	cg19993723	0.131558247739822	186	1.79529086272251	0.0742574405551534	0.0173075725483725	0.192443949100723
ESCA	SMARCA	cg20045045	-0.24399811425706	186	-3.4036172367239	0.000816995867413733	0.0595350797610014	0.00566818661460661
ESCA	SMARCA	cg22077701	-0.251780409678566	186	-3.5194019307713	0.000545741965261406	0.0633933746979063	0.00403876050661585
ESCA	SMARCA	cg24607315	-0.32013918576619	186	-4.57135042991228	8.89902859428376e-06	0.102489098263039	0.00011801756400677
ESCA	SMARCB	cg01745726	0.109129796894205	186	1.48515057838605	0.139224502539664	0.0119093125701704	0.300089519854001
ESCA	SMARCB	cg01912455	-0.140845974048654	186	-1.92451349429994	0.0558413881818992	0.0198375884057141	0.156212914963597
ESCA	SMARCB	cg03979008	0.0134976616260439	186	0.182609617347745	0.855306477380699	0.000182186869371177	0.923006770909917
ESCA	SMARCB	cg10122452	0.0909402734662182	186	1.23533601901103	0.218289055562	0.00827013333811055	0.405937388865016
ESCA	SMARCB	cg16142952	-0.0287196884842537	186	-0.388673070422572	0.697969833472717	0.000824820506632572	0.826728359955793
ESCA	SMARCB	cg19906397	0.0331512258797418	186	0.448708105044665	0.65417310350236	0.00109900377732966	0.798223549742963
ESCA	SMARCC	cg02564102	0.0451360737386406	186	0.611212406340387	0.541817447644916	0.00203726515254001	0.716632037031617
ESCA	SMARCC	cg02627110	-0.18343949386204	186	-2.52435932384483	0.0124410237193005	0.0336500479083612	0.0505714807826973
ESCA	SMARCC	cg05592996	-0.19978741184123	186	-2.75828301857506	0.00640045274994875	0.0399150099302172	0.0301694632349439
ESCA	SMARCC	cg07143957	0.149078725277826	186	2.0394902453576	0.042838813220546	0.0222244663304615	0.12874435128229
ESCA	SMARCC	cg07304068	-0.0725866815685327	186	-0.984531515975583	0.326154118620481	0.00526882634113156	0.525665731001113
ESCA	SMARCC	cg07474652	-0.0712526421223936	186	-0.966344032899445	0.335147381789011	0.0050769390094219	0.534742814752637
ESCA	SMARCC	cg12894336	-0.185323639915774	186	-2.55120487573238	0.0115532128173304	0.0343448515116315	0.0477307826824961
ESCA	SMARCC	cg16250355	0.103258638840436	186	1.40436394661533	0.161905449769731	0.0106623464951796	0.332399254707761
ESCA	SMARCC	cg20685352	-0.112479650278712	186	-1.53131418186884	0.127418606474433	0.0126516717268214	0.282229436182617
ESCA	SMARCC	cg22984439	-0.134195757282464	186	-1.83193671322872	0.0685864179725206	0.018008501272614	0.181619300148215
ESCA	SMARCD	cg02553054	-0.160592212991894	186	-2.20101855943968	0.0289858840302217	0.0257898588736339	0.0962698143810385
ESCA	SMARCD	cg04550398	-0.28104489050925	186	-3.96157769133321	0.00010657574109266	0.0789862304813566	0.00101729487148005
ESCA	SMARCD	cg09878554	-0.2438333560869	186	-3.4011736330764	0.000823891996088235	0.0594547055406011	0.00570737791128122
ESCA	SMARCD	cg13349421	-0.122788671618841	186	-1.67371966576771	0.0958940831145191	0.0150770578779197	0.231116683245892
ESCA	SMARCD	cg17846064	-0.239749784707973	186	-3.34070766892963	0.0010128981872694	0.0574799592675193	0.00678644402553059
ESCA	SMARCD	cg18591973	-0.217015356699335	186	-3.00740114364011	0.00300559420046132	0.0470956650433394	0.0164892239231797
ESCA	SMARCD	cg20405918	0.0280176569459771	186	0.379164687265419	0.705005155187556	0.00078498910074246	0.831604843636347
ESCA	SMARCD	cg22402853	-0.207417461378263	186	-2.86826902703998	0.00461226228839435	0.0430220032846033	0.0232372470994981
ESCA	SMARCD	cg25107077	-0.115797423459878	186	-1.57708781390419	0.116502398935751	0.0134090432799462	0.265261440068131
ESCA	SMARCD	cg00945038	0.149879529591678	186	2.05069682004742	0.0417220932020463	0.0224638733906227	0.126243816357837
ESCA	SMARCD	cg02127607	0.14168836010705	186	1.93625891755933	0.0543765229357334	0.0200755913898251	0.153400320034176
ESCA	SMARCD	cg02360836	0.0204288778755751	186	0.276414422818354	0.782541710830899	0.000417339051255164	0.879866017031305
ESCA	SMARCD	cg04367190	0.0726168559705879	186	0.984942956494998	0.325952517540387	0.00527320777105311	0.525406119711923

ESCA	SMARCD	cg06420487	-0.162548656896866	186	-2.22855608964823	0.0270608575742929	0.0264220658589751	0.0914100023506097
ESCA	SMARCD	cg07362569	0.156988565072635	186	2.15036557378293	0.0328384272911985	0.0246454095635651	0.10555896916208
ESCA	SMARCD	cg11697258	-0.0577877921475248	186	-0.783047321181122	0.434611501132228	0.00333942892128553	0.628071170384158
ESCA	SMARCD	cg12577610	-0.00654675863155808	186	-0.0885648071897395	0.929524623505747	4.28600485798802e-05	0.962671899544514
ESCA	SMARCD	cg15868002	0.131918451054462	186	1.80029326115703	0.0734612483032038	0.0174024777286084	0.191023309506282
ESCA	SMARCD	cg19016967	-0.257040142491567	186	-3.59806703351502	0.000412492769557597	0.0660696348520849	0.00318600700108854
ESCA	SMARCD	cg19143629	0.0966519510231656	186	1.31363347445746	0.19061407955671	0.00934159963658441	0.370901243247492
ESCA	SMARCD	cg21254277	-0.14077475110627	186	-1.92352062581728	0.0559667217542834	0.0198175305490324	0.156460505152091
ESCA	SMARCD	cg23682543	-0.139377016365554	186	-1.90404194272698	0.0584737589171118	0.0194259526909639	0.161618261962545
ESCA	SMARCD	cg24795630	-0.113424586721661	186	-1.54434563602142	0.12423213901735	0.0128651368729796	0.27725385916334
ESCA	SMARCD	cg25945412	0.0736897464865315	186	0.999574040562965	0.318836565540365	0.00543017873724928	0.518187686032824
ESCA	SMARCD	cg00864064	0.00756819018690071	186	0.102383511366708	0.91856437221297	5.72775027051002e-05	0.957020367117584
ESCA	SMARCD	cg02917064	-0.158170079543916	186	-2.16696316291739	0.0315300047593691	0.0250177740629288	0.102459101450172
ESCA	SMARCD	cg14795305	-0.172351760467625	174	-2.28803103648815	0.0233600199570272	0.0297051293362896	0.0818700451654264
ESCA	SMARCD	cg19786287	-0.0677692473267492	186	-0.918877865352853	0.359369005242412	0.00459267088323411	0.558319900821365
ESCA	SMARCD	cg19902439	-0.0603202170721561	186	-0.817485348966234	0.414714168036864	0.00363852858763203	0.610288173204067
ESCA	SMARCD	cg22750243	-0.0457366227289105	186	-0.619361705715041	0.536448424798147	0.00209183865864669	0.712547274258077
ESCA	SMARCD	cg22787816	-0.163102598254344	186	-2.23635786741721	0.0265361079302948	0.0266024575573179	0.0900972059795904
ESCA	SMNDC1	cg03999743	-0.177177271685242	186	-2.4353393199485	0.0158367115439357	0.031391785601826	0.0608526202009798
ESCA	SMNDC1	cg08770590	-0.164869177160263	186	-2.26125313497541	0.0249204605505943	0.027181845577502	0.0859907876723412
ESCA	SMNDC1	cg11559952	0.0303929716908824	186	0.411338527577895	0.681305641341468	0.000923732728202779	0.816186070752381
ESCA	SMNDC1	cg12486840	0.0697204396777027	186	0.945461340752088	0.345670066146985	0.00486093970885218	0.544949076436561
ESCA	SMNDC1	cg17981675	-0.127661543477044	186	-1.74122037936489	0.0833254934013144	0.0162974696829413	0.208915284055107
ESCA	SMNDC1	cg18209001	-0.110686643690316	186	-1.50659867593842	0.133637795482499	0.012251533091427	0.291668125400222
ESCA	SMNDC1	cg21872391	-0.0111139900782356	186	-0.150356557405537	0.880648908891083	0.000123520775459119	0.936710248463701
ESCA	SMNDC1	cg23721301	-0.27091595059257	186	-3.80726324953926	0.000191573826480372	0.0733954522854757	0.00167377518612018
ESCA	SMNDC1	cg26944434	-0.0491826452412035	186	-0.666136650324037	0.506162618868489	0.00241893259292208	0.689194083597424
ESCA	SMYD1	cg00578637	0.0163579791602657	186	0.221316252723187	0.825092949953549	0.000267583482207686	0.906029113780554
ESCA	SMYD1	cg00666842	0.077031841881897	186	1.04517303439519	0.297321608312811	0.00593390466371759	0.495360698386313
ESCA	SMYD1	cg03704645	0.0871474445547481	186	1.18341115607069	0.238181258230022	0.00759467709242289	0.429799188205941
ESCA	SMYD1	cg14559139	-0.0260819062547998	186	-0.352949558183962	0.724532465175154	0.000680265833884167	0.843967893439777
ESCA	SMYD1	cg16090764	0.0359361714351186	186	0.486449720589767	0.627230394038549	0.00129140841741423	0.779636601217668
ESCA	SMYD1	cg18148488	0.0796092131703235	186	1.08036238265912	0.281402586155851	0.006337626821598	0.478579863897691
ESCA	SMYD1	cg19074493	-0.00694347388931792	186	-0.0939318380975981	0.925266066349563	4.82118296516397e-05	0.960631901315867
ESCA	SMYD2	cg01770831	-0.0949671259188272	186	-1.29052410818273	0.198496881319753	0.00901875500528237	0.381124115922848
ESCA	SMYD2	cg04406444	-0.0326205631794228	186	-0.441517771669035	0.659359442909018	0.00106410114214271	0.801746041304412
ESCA	SMYD2	cg11523160	-0.159131358972084	186	-2.18047399063791	0.0304984427545368	0.0253227894083023	0.0999235895801379
ESCA	SMYD2	cg14013804	0.173726351379709	186	2.38641442063949	0.0180334817161559	0.030180845163706	0.0672303961578873
ESCA	SMYD2	cg27570636	0.205760601771161	186	2.84433999749602	0.0049571152356452	0.0423374252412304	0.0246082956256963
ESCA	SMYD5	cg01329511	-0.0110297960560255	186	-0.149217392319494	0.881546410304101	0.000121656401037515	0.937135940290712
ESCA	SMYD5	cg05103132	-0.0574757661681977	186	-0.778805194638975	0.43710036791188	0.00330346369662134	0.630045881016224
ESCA	SMYD5	cg06754047	-0.0778021828346378	186	-1.05568840681343	0.292502302848305	0.0060531796538344	0.490205788521859
ESCA	SMYD5	cg08834152	0.00175721029265846	186	0.0237711369336282	0.981061063105829	3.08778801262484e-06	0.990225813416391
ESCA	SMYD5	cg15623359	-0.140979058910964	183	-1.91051366060029	0.0576566674426802	0.0198750950514212	0.159910969625864
ESCA	SMYD5	cg17895873	-0.066717778136708	186	-0.904556828729367	0.366889497145682	0.00445126191949899	0.565766760643657
ESCA	SMYD5	cg20402064	-0.0561946958185318	186	-0.761390882014695	0.447403687373553	0.00315784383813731	0.639016697367914
ESCA	SMYD5	cg25886337	0.0568761220121377	186	0.770653417845934	0.441906191628254	0.00323489325513957	0.634361418896397
ESCA	SMYD5	cg26467949	-0.0358413557484408	186	-0.485164595685046	0.628139881297947	0.00128460278188629	0.780357250627752
ESCA	SP100	cg05876232	-0.0341356780048659	186	-0.462048170832065	0.644595604989743	0.00116524451285188	0.791515460658712
ESCA	SP100	cg09456094	-0.113383540826328	186	-1.54377949128925	0.12436925869397	0.0128558273303155	0.27744553864453
ESCA	SP100	cg11702456	-0.124328555918472	186	-1.69503714559561	0.0917692282751773	0.0154575898167726	0.223950540951099
ESCA	SP100	cg11827097	-0.0930425709896196	186	-1.26414024493478	0.207787471420892	0.0086569200163584	0.392831382335339
ESCA	SP100	cg23539753	-0.340518731913589	186	-4.89924182465514	2.10917334486498e-06	0.115953006784039	3.31008737523555e-05
ESCA	SP100	cg27140170	-0.164587852585381	186	-2.25728711702154	0.0251719501007021	0.0270891612186671	0.0866702082913171
ESCA	SP140L	cg04002454	-0.218959100129573	186	-3.03568768715984	0.00274983292902581	0.0479430875295525	0.0153601280161294
ESCA	SP140L	cg05217331	-0.136175471154945	186	-1.85946907908408	0.0645659121709098	0.0185437589442712	0.173674512341335
ESCA	SP140L	cg13278004	-0.29406510124694	186	-4.16206293502371	4.84864542474629e-05	0.0864742837713733	0.000516352528641633

ESCA	SP140L	cg24044052	-0.46373262362645	186	-7.08062557541962	2.97723676486712e-11	0.215047946215471	1.2953644121145e-09
ESCA	SP140L	cg25095994	-0.408764116832762	186	-6.05896964429493	7.62874742484231e-09	0.167088103210068	2.13940438777283e-07
ESCA	SP140L	cg26847438	-0.276587488935349	186	-3.89349639327267	0.000138340313138746	0.0765006390355615	0.00127135810045075
ESCA	SSRP1	cg01511567	0.260587599707832	186	3.65131591651706	0.000340390409325848	0.0679058971214894	0.00271732493618214
ESCA	SSRP1	cg01766191	-0.111265196207592	186	-1.51457203086181	0.13160608943396	0.0123799438871139	0.288545293992039
ESCA	SSRP1	cg02688348	0.109654230098147	186	1.49237425525971	0.137323007470913	0.0120240501784174	0.297242810970194
ESCA	SSRP1	cg04937561	-0.16330726738903	186	-2.23924100177125	0.0263444423689933	0.0266692635820723	0.0896047372181474
ESCA	SSRP1	cg08821673	-0.274213681146734	186	-3.85735085672936	0.000158672153921857	0.0751931429280429	0.00142817789450387
ESCA	SSRP1	cg09381635	-0.218350524977629	186	-3.02682726706583	0.00282770594161143	0.0476769517580061	0.0157015386168251
ESCA	SSRP1	cg11948159	0.144455356061725	186	1.97486961356244	0.0497869275580087	0.0208673498949197	0.143853968297717
ESCA	SSRP1	cg12795368	-0.159111355349637	186	-2.18019277410549	0.0305196123609687	0.0253164234011985	0.0999725875972459
ESCA	SSRP1	cg12911972	-0.111639311070507	186	-1.51972874604	0.130305003781299	0.0124633357762975	0.286670271320447
ESCA	SSRP1	cg16313264	0.0770060176120157	186	1.04482055851737	0.297484073449043	0.00592992674846208	0.495566843184969
ESCA	SSRP1	cg22636253	0.0147376106433068	186	0.199388355920547	0.842180338843359	0.000217197167473711	0.915566814810392
ESCA	SSRP1	cg26706201	0.00933723271368242	186	0.126317249454844	0.899619478029553	8.71839147494611e-05	0.947061418918645
ESCA	STK31	cg00755064	-0.76991080709321	186	-16.3208270258972	1.52453658827466e-37	0.592762653367441	5.7019134302038e-35
ESCA	STK31	cg05000488	-0.42801444337544	186	-6.40656354535803	1.22327014892389e-09	0.183196363737987	3.98171874332155e-08
ESCA	STK31	cg05407490	-0.408051533957852	186	-6.04629503102515	8.14567434691605e-09	0.166506054365356	2.27045714849153e-07
ESCA	STK31	cg11755819	-0.513679992142595	186	-8.09916210009755	7.57879426670701e-14	0.263867134327616	5.09580571464309e-12
ESCA	STK31	cg13313214	-0.634240118742349	186	-11.0974522983478	3.27557758139589e-22	0.402260528222309	5.254026440559e-20
ESCA	STK31	cg13514718	-0.413976498507036	186	-6.15208914197922	4.7003967556465e-09	0.171376541316146	1.36747443982335e-07
ESCA	STK31	cg13802883	-0.372340372649338	186	-5.41231177102046	1.94397854299259e-07	0.138637353104648	3.95579039428631e-06
ESCA	STK31	cg14898779	-0.451768586671351	186	-6.85032093326566	1.08466194581536e-10	0.20409485590303	4.31456379772018e-09
ESCA	STK31	cg17102984	-0.615384322554918	186	-10.561377101689	1.15988437579121e-20	0.378697864446376	1.62580261496039e-18
ESCA	STK31	cg17331904	-0.711993628431167	186	-13.7166965870836	6.54830120560131e-30	0.506934926926578	1.78743348767912e-27
ESCA	STK31	cg21519371	-0.729913749034281	186	-14.4455348295755	4.64011050976873e-32	0.532774081029279	1.38303738313007e-29
ESCA	STK31	cg25570411	-0.665404999372226	186	-12.0584628171274	5.09009346423451e-25	0.442763813189552	1.03931425447942e-22
ESCA	STK31	cg25612145	-0.468546058826577	186	-7.17465846105903	1.7446357581285e-11	0.219535409241918	7.89541560022389e-10
ESCA	SUV39H	cg05903800	-0.0543536925781223	186	-0.736371669251603	0.462447436189519	0.00295432389687703	0.651897869947585
ESCA	SUZ12	cg00160853	-0.111383936333694	186	-1.51620864733118	0.131192061181054	0.0124063812731883	0.287945920537155
ESCA	SUZ12	cg01109633	0.150029674462755	186	2.05279842858228	0.0415154610478947	0.0225089032194003	0.125750643490243
ESCA	SUZ12	cg07482957	0.0291498067485274	186	0.394498917326835	0.693672093753446	0.000849711233476492	0.824285928199788
ESCA	SUZ12	cg08177746	0.13727784181357	186	1.8748098329134	0.0624121106047387	0.0188452058529915	0.169439460212355
ESCA	SUZ12	cg17335595	-0.191319989998809	186	-2.63683725387669	0.00908766042683776	0.0366033385731442	0.0396281084778821
ESCA	SUZ12	cg25098644	-0.0889312072888214	186	-1.20782475225509	0.228673300140093	0.00790875962984733	0.418632032239764
ESCA	TAF3	cg00194465	-0.156124261001328	186	-2.13823006865559	0.0338245174221085	0.0243747848732107	0.10795816915879
ESCA	TAF3	cg02334915	0.220167391651226	186	3.05329059094154	0.00260095191471035	0.0484736803465043	0.014682229111784
ESCA	TAF3	cg03672997	-0.118733276824221	186	-1.61763686131409	0.107463237815181	0.0140975910254171	0.250855041787019
ESCA	TAF3	cg04179819	-0.196126558846489	186	-2.70569940609156	0.00746034436020049	0.0384656270849653	0.0340369921296477
ESCA	TAF3	cg04234156	0.121575135840035	186	1.65692866693389	0.099247351638813	0.014780513654523	0.236959410532788
ESCA	TAF3	cg05976695	-0.201894077291006	186	-2.78859702220858	0.00585341984943552	0.0407612184451868	0.0281243248574508
ESCA	TAF3	cg07855525	-0.147808834070682	186	-2.02172760337772	0.0446609989251778	0.0218474514293345	0.132864182185232
ESCA	TAF3	cg09871669	-0.0643666170279248	186	-0.872544835215201	0.384054625073635	0.00414306138761954	0.582247922159179
ESCA	TAF3	cg09994553	0.145345857632499	165	1.86980639347855	0.0633151889297301	0.0211254183309268	0.171198144228543
ESCA	TAF3	cg11104088	-0.11700128465268	186	-1.59371001925188	0.112726697416993	0.0136893006103774	0.259535964333291
ESCA	TAF3	cg12176426	-0.115953852985544	186	-1.57924730065614	0.116006287119104	0.0134452960221932	0.264518952432617
ESCA	TAF3	cg12590721	-0.115636244980323	186	-1.5748628929503	0.117015299352942	0.0133717411531492	0.266117700992861
ESCA	TAF3	cg12777293	-0.22405303128647	186	-3.10999887154497	0.00217038568945462	0.0501997608027451	0.0126882831836953
ESCA	TAF3	cg27268107	-0.189648854054656	186	-2.61294186398341	0.00972301548719097	0.0359666878442443	0.0416722090689513
ESCA	TCEA1	cg01677098	-0.177839590715516	186	-2.44473979036089	0.0154429007088577	0.0316269200258622	0.0597183144060041
ESCA	TCEA1	cg06047473	-0.121009475761408	186	-1.64910453461579	0.100841782425604	0.0146432932240507	0.239658963380955
ESCA	TCEA1	cg11530293	0.00193218857473247	186	0.0261382113506852	0.979175580146416	3.7333526883267e-06	0.989259686002913
ESCA	TCEA1	cg11787876	0.103778589122612	186	1.41151229926024	0.159791571295875	0.0107699955602799	0.329485408645868
ESCA	TCEA1	cg12850379	0.018196449031634	186	0.246197762632797	0.8058050754585	0.000331110757360852	0.894605549152565
ESCA	TCEA1	cg23569945	-0.141823150371818	186	-1.93813870138528	0.0541451072009081	0.0201138059813874	0.152952702334415
ESCA	TCEA1	cg26181865	-0.223180503766367	186	-3.09725144980596	0.00226099552295502	0.0498095372614093	0.0131256279670244
ESCA	TCEA1	cg26358945	-0.117446420400991	186	-1.59985799075696	0.111355082505334	0.0137936616650063	0.257109984065496

ESCA	TDRD1	cg00337703	-0.212779490827601	186	-2.94588770675008	0.00363896918420273	0.045275111716853	0.0192185993697126
ESCA	TDRD1	cg02635786	-0.713932931504954	186	-13.7927897303517	3.9037179657977e-30	0.509700230687257	1.08073251043155e-27
ESCA	TDRD1	cg16550453	-0.9408194362711	186	-37.5534386783007	6.32904136821616e-88	0.88514121166547	1.23090361049752e-84
ESCA	TDRD1	cg23504215	-0.831933974025928	186	-20.2824087611765	1.08806822007179e-48	0.692114137138574	5.91924329456396e-46
ESCA	TDRD1	cg23825092	-0.902449175613657	186	-28.3384631428278	7.69027372036083e-69	0.81441451456577	8.6703935333587e-66
ESCA	TDRD1	cg24203376	-0.617752759986386	186	-10.6270319287276	7.50847856974504e-21	0.381618472470797	1.06980692647389e-18
ESCA	TDRD1	cg26600802	-0.867127992659056	186	-23.5507617054022	2.74069667438443e-57	0.751910955652924	2.17560976619452e-54
ESCA	TDRD1	cg27547703	-0.916607203847241	186	-31.015442735718	8.76059618091513e-75	0.840168766144658	1.19565231455809e-71
ESCA	TDRD3	cg01557749	-0.21125209057103	186	-2.9237496305012	0.00389536964795375	0.0446274457706306	0.0203366476339114
ESCA	TDRD3	cg03447530	-0.282899097905811	186	-3.9898004050389	9.54913867832026e-05	0.0800318995959216	0.000926613065163087
ESCA	TDRD3	cg05666423	-0.270426985459509	186	-3.79984897381098	0.000196961768946491	0.0731307544647175	0.00171430340718542
ESCA	TDRD3	cg10765900	0.284604608833551	186	4.01614761119087	8.62579224694656e-05	0.0809997833692984	0.00084726626522596
ESCA	TDRD3	cg18522102	0.137406530715387	186	1.87660114838793	0.0621645667345971	0.0188805546832385	0.168978303807143
ESCA	TDRD3	cg19937698	-0.0622027108232897	186	-0.843095298539791	0.400275761316994	0.0038691772337658	0.59682741982656
ESCA	TDRD3	cg20944895	-0.326066322700261	186	-4.66595222897078	5.91713348091328e-06	0.106319246799271	8.25385479673961e-05
ESCA	TDRD3	cg22045829	0.0897296056270824	186	1.21875586848046	0.224505616888368	0.00805140212599175	0.41373082214728
ESCA	TDRD3	cg23103367	-0.0394242120132525	186	-0.533735800494043	0.594172039008115	0.00155426849286588	0.755870938033054
ESCA	TDRD3	cg23767211	0.246170498577366	186	3.43586627328571	0.000730900777472156	0.0605999143698289	0.00516813857247382
ESCA	TDRD3	cg26737458	-0.151162794335887	186	-2.06866363713484	0.0399835906149596	0.0228501903914336	0.12244551621069
ESCA	TDRD5	cg05378938	-0.193064655191234	186	-2.66180943063116	0.00846384082838819	0.0372739610841102	0.0375198605848556
ESCA	TDRD5	cg07171496	-0.153015146036518	186	-2.09461706647764	0.0375818921396543	0.0234136349165769	0.11699170521579
ESCA	TDRD5	cg07901138	-0.119563511565653	186	-1.62911154833481	0.105009600279427	0.01429543329791	0.2466446316276
ESCA	TDRD5	cg09656934	-0.385172350639716	186	-5.64614525664403	6.17203273188892e-08	0.148357739697325	1.40888237777162e-06
ESCA	TDRD5	cg11853788	-0.340424745533919	186	-4.89771230923994	2.12373061723356e-06	0.115889007371833	3.32823327230192e-05
ESCA	TDRD5	cg12277666	-0.176797279924514	186	-2.42994753877351	0.0160665838006951	0.0312572781887068	0.0615009506564617
ESCA	TDRD5	cg13848905	-0.0370830059932725	186	-0.501994884535665	0.616274570014519	0.00137514933349708	0.771970628296237
ESCA	TDRD5	cg15545772	-0.141056688151363	186	-1.92745108860646	0.0554719440935361	0.0198969892722307	0.155545713558982
ESCA	TDRD7	cg24339935	-0.0776326516442384	186	-1.05337409541207	0.293558410457883	0.00602682860131566	0.491310248766415
ESCA	TDRD9	cg07613153	0.148939792640625	186	2.03754641983245	0.0430350831024378	0.0221830618318323	0.12915251589389
ESCA	TDRD9	cg08933517	0.0146556251030478	186	0.198278916664942	0.843046940305492	0.000214787347161084	0.916146312515305
ESCA	TDRD9	cg16701547	0.0355597444903231	186	0.481347734432256	0.630844440668073	0.00126449542821706	0.782193497413558
ESCA	TRIM24	cg00733782	-0.0114073299226772	186	-0.154325540202639	0.877523124796428	0.000130127175964806	0.935039158571195
ESCA	TRIM24	cg02308366	-0.0512178317248524	186	-0.693772557777713	0.488704544288511	0.0026232662865953	0.674752969586477
ESCA	TRIM24	cg06386929	-0.0448403261454468	186	-0.607199430154792	0.544471225591205	0.00201065484883004	0.718633038648283
ESCA	TRIM24	cg06650216	0.00836006452873848	186	0.113096809004833	0.910077775847754	6.98906789246713e-05	0.952285132949993
ESCA	TRIM24	cg10571650	0.116658537095139	186	1.58897684125195	0.113791791425534	0.0136092142771779	0.261022545914903
ESCA	TRIM24	cg10703331	-0.113472560233634	186	-1.54500734330274	0.124072024933162	0.0128760219259756	0.277037598778259
ESCA	TRIM24	cg13935558	0.126788364262544	186	1.72911552393729	0.0854748053245394	0.0160752893123716	0.21286340372038
ESCA	TRIM24	cg26889928	0.0698185380992956	186	0.946798140590025	0.344990165322979	0.00487462826232279	0.544208064748475
ESCA	TRIM33	cg00760200	-0.297839661157647	186	-4.22065064262898	3.8310892133628e-05	0.0887084637585022	0.000421430647998226
ESCA	TRIM33	cg02852257	-0.168480029684179	186	-2.31220846108769	0.0218793129346603	0.0283855204023818	0.0779517361300163
ESCA	TRIM33	cg05792124	-0.247072389944856	186	-3.44927100313374	0.000697677934790087	0.061044765873063	0.00497252929537884
ESCA	TRIM33	cg16036305	-0.190046041375725	186	-2.61861905883388	0.00956855133942797	0.0361174978425837	0.0411439245467312
ESCA	TRIM33	cg17645130	-0.105505019707902	186	-1.43525594516052	0.152921105409774	0.0111313091835648	0.319991934077126
ESCA	TRIM33	cg18199720	0.187004846126584	186	2.57518350345187	0.010808601370838	0.0349708124748274	0.045299231496766
ESCA	TRIM33	cg20932765	-0.403361778620297	186	-5.96320762177547	1.24929911184799e-08	0.162700724451729	3.34554131177633e-07
ESCA	TRIM33	cg20992663	-0.204702407182438	186	-2.82907050931222	0.00518929288948177	0.0419030755062845	0.025535824596391
ESCA	TRIM33	cg21666217	0.184468706047567	186	2.53902007947466	0.0119489030067181	0.0340287035108638	0.0489728128393987
ESCA	TRIM33	cg21813112	-0.230153013608368	186	-3.19934029797924	0.00162367112011979	0.0529704096730136	0.010035902679056
ESCA	TRIM66	cg06492264	-0.120215392948035	186	-1.63812363952781	0.103114144918319	0.0144517407016505	0.243442134981509
ESCA	TRIM66	cg11245569	0.131563072172278	184	1.78552020689426	0.075851371348795	0.0173088419594079	0.195468294297881
ESCA	TRIM66	cg12608775	-0.0734711708813444	186	-0.996593028184307	0.320278025577	0.00539801295067571	0.51969440213873
ESCA	TRIM66	cg13143389	-0.0551877930440403	186	-0.747706136224859	0.45559716159368	0.00304569250107182	0.645869838255668
ESCA	TRIM66	cg27044202	-0.123752302287697	186	-1.68705829656113	0.0932959519826245	0.0153146323215055	0.226610006511062
ESCA	UBE2A	cg00142683	-0.140400761274176	186	-1.91830759868398	0.0566286641856757	0.0197123737663682	0.157860678895607
ESCA	UBE2A	cg00428314	-0.118371520559925	186	-1.61263810043598	0.10854634265934	0.0140118168796688	0.252587543921531
ESCA	UBE2A	cg00935924	-0.229243249460084	186	-3.18599079098819	0.00169629983051959	0.0525524674230184	0.0104021716077125

ESCA	UBE2A	cg05206294	-0.163038659494119	186	-2.23545723534297	0.02659622874081	0.0265816044896393	0.0902401874852832
ESCA	UBE2A	cg06206449	-0.141962293834853	186	-1.94007931028387	0.0539070732695682	0.0201532928708531	0.152428897745685
ESCA	UBE2A	cg06273903	-0.122375084095218	186	-1.66799624014176	0.0970266646410642	0.0149756612073116	0.232994085477497
ESCA	UBE2A	cg09080960	-0.174693756346177	186	-2.40012042417668	0.0173924381024124	0.0305179085063374	0.065398391886465
ESCA	UBE2A	cg14625604	-0.132164972497472	186	-1.80371729716917	0.0729203399898921	0.0174675799552575	0.189978731720484
ESCA	UBE2A	cg15661671	-0.17090564951474	186	-2.3464917702569	0.0200211186612727	0.0292087410360553	0.0728802070626106
ESCA	UBE2A	cg16211147	-0.146829345686401	186	-2.008033968167	0.0461103877436947	0.0215588567546965	0.135979174417025
ESCA	UBE2A	cg17976175	-0.147315088769278	186	-2.01482409131817	0.0453867773887137	0.0217017353791001	0.134440808749099
ESCA	UBE2A	cg18990292	-0.149673183284661	186	-2.04780878525642	0.0420074790160143	0.0224020617945636	0.126890184925519
ESCA	UBE2A	cg25165659	-0.153043205486734	186	-2.0950103824487	0.0375464685082134	0.0234222227456545	0.116901063440645
ESCA	UHRF2	cg06523306	0.239339143714499	186	3.33463773511416	0.00103395742302741	0.0572832257139894	0.0069025730513168
ESCA	UHRF2	cg08487038	0.0801644552752628	186	1.08794604027062	0.278049699868898	0.0064263398895796	0.47486573290094
ESCA	UHRF2	cg13428749	0.0567133214410017	186	0.768440393541466	0.443216108817632	0.00321640082887039	0.635401767934566
ESCA	UHRF2	cg14078101	0.138607834403829	186	1.8933276635171	0.0598924015946228	0.0192121317581193	0.164446740184664
ESCA	UHRF2	cg20595300	0.304758887828714	186	4.32861609675453	2.46643461176535e-05	0.0928779797105949	0.000287661450057187
ESCA	UHRF2	cg24119045	0.0756949110147478	186	1.02692800742378	0.305809830640052	0.00572971955353059	0.504317511390248
ESCA	USP27X	cg00478198	-0.0326832791109487	186	-0.442367535664589	0.658745646536575	0.00106819673344417	0.801452235254861
ESCA	USP27X	cg01125381	-0.0523579147566674	186	-0.709257571759768	0.479067292304318	0.00274135123766645	0.666474023811622
ESCA	USP27X	cg01290688	-0.106910919476843	186	-1.45460100724252	0.147492808363569	0.011429944703384	0.312236190645355
ESCA	USP27X	cg01855997	-0.0307659179914495	186	-0.416390736549595	0.677612056320354	0.000946541709856595	0.813690916111781
ESCA	USP27X	cg06455206	-0.145506303108921	186	-1.98954688566545	0.0481303309745125	0.0211720842444252	0.140302874186225
ESCA	USP27X	cg06624970	-0.0474528379618466	186	-0.642654056480737	0.521252943398387	0.00225177183063327	0.701332632503747
ESCA	USP27X	cg16810342	-0.0422579623691866	186	-0.572166216105815	0.567911573090677	0.00178573538359559	0.736519345119882
ESCA	USP27X	cg16867483	-0.056684632632006	186	-0.767830626164942	0.443577430642736	0.00321131472861271	0.635722677169194
ESCA	USP27X	cg19318186	-0.0621730971893913	186	-0.842692357525055	0.400500547149283	0.0038654940141215	0.596994377453703
ESCA	USP51	cg00834229	-0.276747865405578	186	-3.89594118909412	0.000137058459976923	0.0765893810065437	0.00126151512487515
ESCA	USP51	cg01084827	-0.260208129552412	186	-3.63563804258827	0.000360775328531381	0.0677082706851647	0.00285109263589702
ESCA	USP51	cg02714202	-0.245542944320627	186	-3.42654459933421	0.000754871205628526	0.0602913375056425	0.00530897891667343
ESCA	USP51	cg03728850	-0.293868037978598	186	-4.15901006195647	4.90819837745966e-05	0.0863584237453907	0.000521623476196854
ESCA	USP51	cg07386410	-0.260165134628348	186	-3.64496626590082	0.00034831759354179	0.0676858972761864	0.00276839179321516
ESCA	USP51	cg12064531	-0.247615419435956	186	-3.45734660305711	0.000678351604651469	0.0613133959424444	0.00485301496526176
ESCA	USP51	cg12517811	-0.240529779488141	186	-3.3430708081944	0.00100583340517869	0.0578545748206138	0.00674724531538077
ESCA	USP51	cg18770944	-0.272524643092906	186	-3.83167866283483	0.00017480145332045	0.0742696810929156	0.00155186664216009
ESCA	USP51	cg21331369	-0.277903907032058	186	-3.91357445717669	0.000128141579140002	0.0772305815436827	0.00119199402219506
ESCA	USP51	cg25424556	-0.226542716481135	186	-3.14641600848573	0.00192969085210679	0.051321602390652	0.0115475669345228
ESCA	WDR82	cg01736403	-0.0913373778763053	186	-1.24077558091029	0.216276969672573	0.00834251659731899	0.403526815654351
ESCA	WDR82	cg03869063	-0.17983978930686	186	-2.47315002849974	0.0143050212565177	0.0323423498179359	0.0562838839461749
ESCA	WDR82	cg10989431	0.0594186181234437	186	0.805222872846839	0.421736053556952	0.00353057217969963	0.616864109923844
ESCA	WDR82	cg11442381	-0.0419175116852251	186	-0.567548420195675	0.571037241617382	0.00175707778588099	0.739008370614564
ESCA	WDR82	cg11665333	-0.249081624913405	186	-3.47916847470537	0.000628608011111456	0.0620416558695024	0.00455028674201215
ESCA	WDR82	cg12661343	-0.173033894940721	186	-2.37660821091683	0.0185048450773868	0.0299407287983565	0.0685572872630835
ESCA	WDR82	cg13539115	-0.302830712120234	186	-4.29845461131702	2.79160316295616e-05	0.0917064402032483	0.00032007365727194
ESCA	WDR82	cg15991175	-0.208891071274326	186	-2.8895731551911	0.00432382146124671	0.0436354796581356	0.0220916838857376
ESCA	WDR82	cg17632831	-0.0734247252760229	186	-0.99595960500198	0.320584868036369	0.00539119028185944	0.519989348809666
ESCA	WDR82	cg24007312	-0.203572435868886	186	-2.81277672946065	0.0054479347522157	0.0414417366455916	0.0265632488946329
ESCA	WDR82	cg26236504	0.100597523796001	186	1.36779663332417	0.173053061408316	0.010119861793887	0.347948873360691
ESCA	WDR82	cg26858096	-0.172387888682493	186	-2.36746308058867	0.0189541936812716	0.0297175841644075	0.0698084751637656
ESCA	ZMYND1	cg00614684	-0.0685835184672903	186	-0.929970369430762	0.353611544390983	0.00470369900535316	0.552653015195117
ESCA	ZMYND1	cg02813021	-0.196609909510775	186	-2.71263533971047	0.00731199773154083	0.0386554565178351	0.0335119823539874
ESCA	ZMYND1	cg02867818	-0.358182792910775	186	-5.1897384761738	5.56060701525309e-07	0.128294913137363	1.0168826096488e-05
ESCA	ZMYND1	cg03254875	-0.221005301775009	186	-3.06550628809881	0.00250204099440816	0.0488433434126628	0.0142470924549106
ESCA	ZMYND1	cg05236965	0.139615914041965	186	1.9073703695449	0.0580388230416247	0.0194926034537734	0.160678725967977
ESCA	ZMYND1	cg08828193	-0.208788960291383	186	-2.88809626471147	0.00434327256644342	0.0435928299395568	0.0221779157226058
ESCA	ZMYND1	cg12639781	-0.088155559127732	186	-1.19720736324403	0.232774262311765	0.00777140260512306	0.423529819493906
ESCA	ZMYND1	cg13939078	-0.0324564930381847	186	-0.439294742396948	0.660966261242194	0.00105342394033773	0.802749366493882
ESCA	ZMYND1	cg14255089	0.292962356709673	186	4.14498684592008	5.19084780848274e-05	0.0858269424488857	0.00054814281853279
ESCA	ZMYND1	cg14694828	-0.145568794156953	186	-1.99041983670298	0.0480332912880657	0.0211902738323095	0.140103553015027

ESCA	ZMYND1	cg17632565	-0.338750044731787	186	-4.870486333811	2.39973193463905e-06	0.114751592805788	3.71068865281874e-05
ESCA	ZMYND1	cg22593633	-0.136954718262046	186	-1.87031246480464	0.0630372315916196	0.0187565948542363	0.170701698497579
ESCA	ZMYND1	cg24757747	-0.347565000196046	186	-5.01438983842385	1.25131443022802e-06	0.120801429361277	2.08625706783452e-05
GBM	ACTL6A	cg03667091	-0.0125874894972954	438	-0.147344460646161	0.883076761996577	0.000158444891844521	0.937893581467281
GBM	ACTL6A	cg03839554	-0.212606102880644	153	-1.71323001557725	0.0916669454625891	0.0452013549820952	0.223778151546009
GBM	ACTL6A	cg07261848	0.00475864912950888	152	0.0374700649677825	0.970230595847697	2.26447415377756e-05	0.984298837253315
GBM	ACTL6A	cg10112003	0.355318306759409	153	2.99309228413487	0.00396186540061228	0.126251099118373	0.0206095114677946
GBM	ACTL6A	cg20132173	-0.042874853830507	153	-0.337907659420671	0.736574267440809	0.00183825309098734	0.851448152162312
GBM	ACTL6A	cg22619386	0.317879345717624	153	2.63991369754969	0.0104768298398847	0.101047278433865	0.0441944745995005
GBM	ACTL6A	cg25198545	-0.0475431880026275	438	-0.557108736252391	0.578362165637976	0.00226035472545319	0.744629699653462
GBM	ACTL6A	cg25575835	-0.0968997468109498	153	-0.766596861513739	0.44623040884897	0.00938956093202618	0.638114160144056
GBM	ACTL6B	cg05729836	-0.12387766438576	153	-0.98298515000565	0.329435212746671	0.015345675733671	0.529123530662235
GBM	ACTL6B	cg08572611	-0.111631472414063	438	-1.31483100776974	0.190763401190554	0.0124615856333317	0.371061860084462
GBM	ACTL6B	cg09375063	-0.202616602889031	153	-1.62919730269857	0.108342258405136	0.0410534877662913	0.252271105967348
GBM	ACTL6B	cg14088161	-0.185417621344733	438	-2.20855436436344	0.028867827198888	0.0343796943051386	0.0959432541167299
GBM	ACTL6B	cg16024950	-0.193930911676301	153	-1.55656461013093	0.124664156694492	0.0376091985036011	0.277891154643151
GBM	ACTL6B	cg20497359	-0.312334606843035	153	-2.58883920256282	0.0119833691443821	0.0975529066317934	0.0490778741362497
GBM	ACTL6B	cg24471254	-0.486399906957709	153	-4.38337822956068	4.60122556941922e-05	0.236584869488468	0.000493516809523506
GBM	ACTL6B	cg26990587	-0.323298847902366	153	-2.69012571906771	0.00916598488238921	0.104522145054997	0.0398846978375985
GBM	AEBP2	cg02664216	0.162789633391703	153	1.29913629331689	0.198707673236823	0.0265004647398051	0.381365390333681
GBM	AEBP2	cg07849438	-0.182212838358064	153	-1.45917317857943	0.149565572777899	0.0332015184625018	0.31504668495299
GBM	AEBP2	cg08161947	-0.387635440395933	153	-3.31113284697491	0.00155249070707371	0.150261234650949	0.00967046697622648
GBM	AEBP2	cg24304000	0.0497975453733757	153	0.392593342133691	0.6959663615081	0.00247979552521341	0.825687902262568
GBM	AEBP2	cg26259627	-0.0347993566053675	153	-0.274176471410139	0.784860450329473	0.00121099522014754	0.881135940672079
GBM	AFF4	cg00931577	0.178904183705704	153	1.43179277761958	0.157225275641967	0.0320067069474044	0.325921527747048
GBM	AFF4	cg01907658	-0.0267558116280596	152	-0.21075092043519	0.83377277553047	0.000715873455876209	0.910811347482481
GBM	AFF4	cg05619425	0.239379666456925	153	1.94131921564622	0.0567680349790959	0.0573026247130285	0.158145479432902
GBM	AFF4	cg06638012	0.102718320539691	429	1.2086804520553	0.228867630405811	0.0105510533744946	0.418831532340383
GBM	AFF4	cg07236381	0.157180027524441	288	1.35984972130092	0.178062695736585	0.0247055610525839	0.354648448822601
GBM	AFF4	cg13393914	0.0996721103473079	153	0.788746674573413	0.433265803397901	0.00993452958108593	0.626850951786174
GBM	AFF4	cg13565585	-0.393047520047927	153	-3.36574023395013	0.00131461706250843	0.154486353015826	0.00842416143004786
GBM	AICDA	cg07999668	0.199311303153682	153	1.60151112989842	0.114347130830979	0.039724995564819	0.261925702133714
GBM	AIRE	cg08089567	-0.099647765083569	153	-0.788552088004404	0.433378717617518	0.00992967708615015	0.626910665306265
GBM	AIRE	cg09510531	-0.135997408651733	153	-1.08088697901876	0.28393392970556	0.0184952951599864	0.481211525099287
GBM	AIRE	cg11923631	-0.176733262672216	153	-1.4138548972221	0.162406288074684	0.0312346461347666	0.333042228032135
GBM	AIRE	cg12843033	0.0658666558917792	153	0.519763267381103	0.605079421347949	0.00433841635836606	0.763827740111763
GBM	AIRE	cg15955655	-0.179074442588627	153	-1.43320050192207	0.156824173514055	0.0320676559884273	0.325422729570688
GBM	AIRE	cg16501323	-0.0675414665787144	153	-0.533039251912472	0.595911983183896	0.0045618497076036	0.757204340836808
GBM	AIRE	cg16717549	-0.121042371315995	153	-0.960148226969964	0.340710185658085	0.0146512556537992	0.539963860302556
GBM	AIRE	cg17356252	-0.105913216918491	438	-1.24669460771293	0.214636810188841	0.0112176095180234	0.401477663184196
GBM	AIRE	cg18689454	-0.135826488122789	153	-1.07950297907282	0.284545236265174	0.01844883487577	0.481850390033765
GBM	AIRE	cg18876487	0.0485584638304547	438	0.569033512196669	0.570265106790752	0.00235792440957358	0.738291596093791
GBM	AIRE	cg23272544	-0.00768080403983764	153	-0.060480495530614	0.951967485249735	5.89947506983862e-05	0.974618463236885
GBM	AIRE	cg27251412	-0.157390931428827	153	-1.25493851466242	0.214210934310562	0.0247719052960336	0.400855765468085
GBM	ARID1A	cg04081153	-0.0549469509742482	153	-0.433307332781865	0.666295349205689	0.00301916742136643	0.806357294561381
GBM	ARID1A	cg04360147	0.194697137069845	153	1.56295645051087	0.123153129553836	0.0379069751831941	0.275634721051574
GBM	ARID1A	cg14851949	0.0640487503091694	153	0.505357979956748	0.61509928658242	0.00410224241616633	0.770994531039068
GBM	ARID1A	cg17385674	0.196020966763319	438	2.33975860027014	0.0207409448797374	0.0384242194108262	0.0748907433731395
GBM	ARID1A	cg20413923	-0.249296565683448	152	-2.02695994228342	0.0469721701195226	0.0621487776615617	0.137866553566427
GBM	ARID1A	cg21294655	0.0679565625209259	153	0.536330353565921	0.593649454693528	0.00461809438966052	0.755539724800463
GBM	ARID1A	cg24542126	-0.0578928059783572	153	-0.456614241237034	0.64954403480814	0.00335157698404771	0.795021201923006
GBM	ARID1A	cg25601319	-0.159088329875606	153	-1.26882203121835	0.209247559866565	0.0253090967026096	0.394642277740972
GBM	ARID2	cg00035453	-0.101632753389142	153	-0.804422411108094	0.424226926374766	0.0103292165614582	0.61920083038651
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GBM	ARID2	cg01353809	0.108619321045638	153	0.860359777859416	0.392905588515722	0.0117981569044153	0.589752592285871
GBM	ARID2	cg01751433	-0.0108829851567631	153	-0.0856977859631002	0.931982810723532	0.000118439365922326	0.96391335439364
GBM	ARID2	cg06613666	0.106827695365132	153	0.846003327455753	0.400804289150609	0.0114121564970255	0.597367017974221

GBM	ARID2	cg07276957	0.139923517787586	153	1.11270532580429	0.270130721211162	0.0195785908300528	0.466181936330386
GBM	ARID2	cg23465749	0.0739488676243005	153	0.58387258909326	0.56142434024407	0.00546843502291632	0.731863953029596
GBM	ARID4A	cg02136725	-0.163827524372345	153	-1.30764683651898	0.195821352119533	0.0268394577419711	0.377670722599836
GBM	ARID4A	cg06154646	-0.0338477803352753	153	-0.266670491144266	0.79060781913771	0.00114567223362505	0.88502549985844
GBM	ARID4A	cg08066755	-0.131925490441615	153	-1.04794174333156	0.29873354353618	0.0174043350282608	0.496940395264158
GBM	ARID4A	cg08790491	-0.156625339363044	436	-1.85616116945067	0.065578845807192	0.0245314969305887	0.175694483959248
GBM	ARID4A	cg10064886	0.0349622353433053	153	0.275461324028392	0.783877825528426	0.00122235790020067	0.880757276588506
GBM	ARID4A	cg10242170	-0.221756739452015	153	-1.79069910386113	0.0782235884104177	0.0491760514923889	0.199656348200401
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GBM	ARID4A	cg12203852	0.001104040310897	436	0.0129224684040202	0.98970844820535	1.21890500808555e-06	0.994436321090902
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GBM	ARID4A	cg14460816	-0.0551277364480724	153	-0.434737331542951	0.665262533958155	0.00303906732588813	0.805726640408842
GBM	ARID4A	cg17323045	-0.0409342741234411	153	-0.322587175998156	0.748093245634285	0.00167561479801302	0.858681902631849
GBM	ARID4A	cg19548283	-0.203179008372006	153	-1.63391392724153	0.107345208274221	0.0412817094430316	0.250632165805838
GBM	ARID4A	cg20996579	-0.249491584185411	153	-2.02865079008929	0.0467944225603034	0.0622460505793462	0.137490097392312
GBM	ARID4A	cg26429530	-0.285104302964385	153	-2.34211969625588	0.0224010361672503	0.0812844635688079	0.0792733570302084
GBM	ARID4A	cg27026909	-0.31307020505492	153	-2.59559800734277	0.0117733001060749	0.0980129532931297	0.0484483885660848
GBM	ARID4B	cg05652840	-0.0674096435387301	153	-0.531994146918647	0.596631301325818	0.00454406004201865	0.757698474547246
GBM	ARID4B	cg06212607	0.135660827849026	436	1.60268556595259	0.111307226973764	0.018403860212683	0.257050959379458
GBM	ARID4B	cg06891548	-0.146679395048673	153	-1.16758319150307	0.247445603903018	0.0215148449318446	0.440730437301816
GBM	ARID4B	cg07814876	-0.201171052885126	153	-1.6170818695429	0.110937779772751	0.0404697925189101	0.256455191174104
GBM	ARID4B	cg10107779	0.0173970316804146	153	0.137005098761292	0.891470700706361	0.00030265671128935	0.942513307657556
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GBM	ARID4B	cg22596515	0.0220798948247623	153	0.173899660809251	0.862510880084965	0.000487521755472564	0.9268727401554
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GBM	ARID4B	cg26020585	-0.225157361371765	153	-1.81961413840972	0.0736464243119195	0.0506958373798955	0.191306595863546
GBM	ASH1L	cg03119126	-0.135213234865098	153	-1.07453807228493	0.286745715804388	0.0182826188826841	0.484125527903316
GBM	ASH1L	cg08095278	0.149143560206568	153	1.18764067121002	0.239505064198	0.0222438015510903	0.431417453093898
GBM	ASH1L	cg09410084	0.373119300859143	153	3.16662746738083	0.00239261024814767	0.139218012673616	0.0137406409009597
GBM	ASH1L	cg10558228	-0.0848742786158705	153	-0.665289893607861	0.508372842807845	0.00720364317056442	0.690921430093058
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GBM	ASH1L	cg26185843	-0.347138364951565	153	-2.91461893428852	0.00494893255993612	0.120505044421246	0.0245769077285458
GBM	ASH2L	cg00590869	0.000869035088754007	153	0.00684279171555546	0.994562255134317	7.55221985485684e-07	0.997146022572473
GBM	ASH2L	cg01642070	0.0291148558300289	153	0.229347830856679	0.819353492995351	0.000847674830003368	0.902792839415335
GBM	ASH2L	cg02897270	0.0399526630607175	153	0.314838959259983	0.753941078004949	0.00159621528564322	0.862518083885781
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GBM	ASH2L	cg03705346	-0.00164302723633098	153	-0.0129372268583687	0.989719414870852	2.6995384993254e-06	0.994436321090902
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GBM	ASH2L	cg21453287	-0.0286464084961579	153	-0.225654653054107	0.822212225845536	0.000820616719728746	0.904546729411957
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GBM	ASH2L	cg27255459	0.311341380133037	153	2.57972144623037	0.0122721486044316	0.0969334549831442	0.0500419084040859
GBM	ASXL1	cg00174466	-0.0961392893986523	153	-0.760524353966409	0.449823875719691	0.00924276296607782	0.640924736781158
GBM	ASXL1	cg04218270	-0.0714680058604455	153	-0.564182315619675	0.574665403400357	0.00510767586166868	0.741803345039117
GBM	ASXL1	cg09065199	0.0951177717426257	436	1.11839575135716	0.26535523541513	0.00904739050128225	0.461039535095135
GBM	ASXL1	cg10421984	-0.253083320096085	153	-2.0598391788718	0.0436182892803907	0.0640511669108574	0.130504257385436
GBM	ASXL1	cg12592359	0.183612648665897	153	1.47077252287773	0.14640990969362	0.0337136047501063	0.310619955129962
GBM	ASXL1	cg16926526	0.029925408475374	153	0.23573848106023	0.814412587236872	0.000895530072417987	0.900137522634679
GBM	ASXL1	cg18793288	-0.244204786864321	153	-1.98290548909266	0.0518126446413302	0.0596359779274483	0.148084699308774
GBM	ASXL1	cg24727216	0.0596664117187418	153	0.470652322781249	0.639540671951492	0.00356008068739041	0.788219693184322
GBM	ASXL2	cg05165989	0.122705290240902	153	0.973539309241226	0.334068419018669	0.015056588253104	0.533656103598397
GBM	ASXL2	cg05496738	0.0541539540460974	153	0.427035293012476	0.670832961171865	0.00293265073882683	0.809298110870977
GBM	ASXL2	cg06583696	0.109146064411062	153	0.864582224883193	0.390600974024749	0.0119128633764237	0.587904116652118
GBM	ASXL2	cg09476286	0.0597132310938883	153	0.471022957934496	0.63927745890675	0.00356566996767211	0.788020133706096

GBM	ASXL2	cg19084174	-0.040200955582849	153	-0.316798736198622	0.752460588681936	0.0016161168297742	0.861398561126095
GBM	ASXL2	cg20667782	0.241659059330725	153	1.96094536240281	0.0543811751228652	0.0583991009566108	0.153407881114994
GBM	ASXL2	cg24738909	0.0756122507939476	153	0.597080723361961	0.552627805582655	0.00571721247012683	0.724865731512584
GBM	ASXL3	cg09963640	-0.322201860543678	153	-2.67993845477447	0.00941914482427056	0.103814038937808	0.0406590792848129
GBM	ASXL3	cg12361352	-0.181982907578467	153	-1.45726876705984	0.150088721501523	0.0331177786507127	0.315729837640977
GBM	ASXL3	cg17880622	-0.240147125801244	153	-1.94792341065237	0.0559550744289638	0.0576706420305983	0.156446559090239
GBM	ASXL3	cg20034091	-0.194417844181453	153	-1.56062624983887	0.123702281934684	0.0377982981361639	0.276475861775699
GBM	ASXL3	cg20329085	-0.250275494718547	153	-2.03545010295934	0.0460854969575773	0.0626378232566134	0.135920504618333
GBM	ASXL3	cg24880056	-0.138389021559517	153	-1.10026303421685	0.275471194717628	0.0191515212882004	0.471912226594066
GBM	ASXL3	cg27109877	-0.228209913544954	153	-1.84562920609777	0.0697221090844255	0.0520797646401955	0.183831952350917
GBM	ATAD2B	cg08192560	0.107454108444765	153	0.851021873915237	0.398032117051988	0.0115463854216594	0.594659417217691
GBM	ATAD2B	cg14009731	0.0256786537209118	153	0.202260617232531	0.840375217567486	0.000659393256918497	0.9144542698394
GBM	ATAD2B	cg15717719	-0.119282107426106	153	-0.945982185148143	0.347829986189531	0.0142282211520131	0.54711513605414
GBM	ATAD2B	cg16929802	-0.0899340695548722	153	-0.711022834658354	0.479736529313145	0.00808813686670059	0.667023351886236
GBM	ATAD2B	cg17933838	-0.0118607754517471	153	-0.0933984090804379	0.92588822074401	0.000140677994316768	0.960970038217567
GBM	ATAD2B	cg19614157	0.0193050747468874	153	0.152036644163124	0.879651700327955	0.000372685910982911	0.936190363294417
GBM	ATAD2B	cg20806130	-0.146746266748678	153	-1.16812720963924	0.247227770851673	0.0215344668046741	0.440473552712419
GBM	ATAD2B	cg27610867	-0.195028657322355	153	-1.56572290826393	0.122503699318107	0.0380361771769604	0.274589995247926
GBM	ATAT1	cg01245721	-0.368198701240425	153	-3.11826667152815	0.00275830374491112	0.135570283595136	0.015394472643189
GBM	ATAT1	cg05093836	-0.149736350795848	153	-1.19246914931312	0.237621309985715	0.0224209747496574	0.42914711988459
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GBM	ATAT1	cg07816366	-0.237107308031777	153	-1.92178753010178	0.0592314823122907	0.0562198755220759	0.163132972279344
GBM	ATAT1	cg08081524	-0.0978023617015045	153	-0.773806304118119	0.441985964680517	0.00956530195439192	0.634411899633863
GBM	ATAT1	cg08188471	-0.416540804591555	153	-3.60772650711187	0.000617815160869102	0.17350624188978	0.00448677302321237
GBM	ATAT1	cg08635134	-0.147603358523016	153	-1.17510131951061	0.24444741108486	0.0217867514472739	0.437284799088402
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GBM	ATAT1	cg12907138	0.187138658878032	153	1.50003156815683	0.138681593351133	0.0350208776466685	0.299303225030224
GBM	ATAT1	cg13542073	-0.617621318482027	153	-6.18347851761346	5.4369804765373e-08	0.381456093043477	1.25807394167681e-06
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GBM	ATAT1	cg15381130	-0.100334752836826	153	-0.794043587206188	0.430198825256141	0.0100670626268269	0.624219185510804
GBM	ATAT1	cg15729859	-0.156239274719336	153	-1.24552528148944	0.217625312207893	0.0244107109648242	0.405159550749616
GBM	ATAT1	cg18298197	0.102523747260154	153	0.811549205390133	0.420155122430594	0.0105111187522638	0.615436761141634
GBM	ATAT1	cg20629923	-0.192597711750335	153	-1.5454501246461	0.127326844370164	0.037093878571465	0.282114815126152
GBM	ATAT1	cg22759096	-0.58311296662532	153	-5.65175590820057	4.27914810130297e-07	0.340020731846581	8.02149511789791e-06
GBM	ATAT1	cg23328390	-0.276010070138493	153	-2.26114002974484	0.0272695217206708	0.076181558817856	0.0919312347346967
GBM	ATAT1	cg26934609	-0.152042725527208	153	-1.21126791327226	0.230389420773849	0.0231169903857419	0.420633410581888
GBM	ATF7IP	cg00236831	0.0768998259017401	153	0.607308181005773	0.545864288704142	0.00591358322371795	0.7195967797385
GBM	ATF7IP	cg11409060	-0.0806601495138854	153	-0.637194848735728	0.526343942331392	0.00650605971960234	0.705048568250712
GBM	ATF7IP	cg11697652	0.105424438534441	288	0.905794503790919	0.368024638288505	0.0111143122403022	0.566906649866148
GBM	ATF7IP	cg12526346	-0.165317320512142	153	-1.31987073873449	0.191730889497555	0.0273298164613142	0.372199251823447
GBM	ATF7IP	cg12948116	-0.125142979401777	153	-0.993184509216542	0.324480510111676	0.0156607652935535	0.523869187581772
GBM	ATF7IP	cg17439009	0.305375280724505	153	2.52514844909729	0.0141365028046666	0.0932540620775702	0.0557477112174295
GBM	ATF7IP	cg19789919	0.386015940171226	153	3.29487105397215	0.00163082853121522	0.149008306066276	0.0100737394598505
GBM	ATF7IP	cg21275967	0.0230343239723486	153	0.181420583790597	0.856629266775947	0.000530580080863115	0.923727554737902
GBM	ATF7IP	cg26637901	0.122685655388092	438	1.44692949225182	0.150200892851154	0.0150517700380057	0.315888841807588
GBM	ATM	cg01756564	-0.369718076320047	153	-3.13316675616237	0.00264040185522887	0.136691455957796	0.0148673582748751
GBM	ATM	cg01800843	-0.0358758125793917	438	-0.42018611265424	0.675007783003291	0.00128707392823164	0.812066226824234
GBM	ATM	cg01991180	-0.257274228766724	153	-2.09634557567166	0.0401390530178841	0.0661900287875124	0.122776608755289
GBM	ATM	cg02105423	0.222699540139067	153	1.79870867092251	0.0769325419516388	0.0495950851781518	0.197482022325143
GBM	ATM	cg03165700	-0.0232289231416757	438	-0.271960957259791	0.78606146244677	0.000539582870321878	0.882041505753817
GBM	ATM	cg03569616	-0.322703271828508	153	-2.6845933537521	0.00930268533066621	0.104137401648824	0.0403081821663054
GBM	ATM	cg04709886	-0.28396494550859	153	-2.33193719905764	0.0229673852311208	0.0806360902776965	0.0808253309811732
GBM	ATM	cg04826772	0.0924782148709623	153	0.73130806063311	0.467346035353761	0.00855222022571987	0.656436173590511
GBM	ATM	cg05033322	-0.297766529223146	153	-2.4560243952577	0.016863814532421	0.0886649059255985	0.0638333781498228
GBM	ATM	cg05637308	-0.137908499553408	153	-1.09636844076042	0.277157896556335	0.0190187542490723	0.473888044026601
GBM	ATM	cg06053805	-0.232561182180358	153	-1.88281195357132	0.06441958528808	0.0540847034571256	0.173382826525771

GBM	ATM	cg06081482	-0.399558626083312	153	-3.43198596516679	0.00107221596701165	0.159647095677584	0.00711524088865517
GBM	ATM	cg06750635	-0.183720791331375	153	-1.47166901712384	0.146168202234271	0.0337533291674265	0.310225599514729
GBM	ATM	cg09808176	-0.266310792320715	153	-2.17549651510593	0.0334140769423092	0.0709214381064868	0.106936592959108
GBM	ATM	cg10610482	-0.301632943737962	153	-2.49108461291078	0.015426350279565	0.0909824327480284	0.0596815940744221
GBM	ATM	cg10976287	-0.310204989841694	153	-2.56930093784197	0.0126099113922179	0.0962271357226854	0.0511297533016888
GBM	ATM	cg11588932	-0.264562313209125	153	-2.16013436493054	0.0346362931250632	0.0699932175705629	0.109974931120002
GBM	ATM	cg12019961	-0.400041670612396	153	-3.40909516803008	0.00116036824539871	0.160033338226357	0.00759829373522613
GBM	ATM	cg12106634	-0.225931301451361	153	-1.82620458497749	0.0726351680341801	0.0510449529755058	0.189375302032677
GBM	ATM	cg12848864	-0.262020631596254	153	-2.13784392618554	0.0364792229907126	0.0686548113820998	0.114413201096601
GBM	ATM	cg14761454	-0.23897740891507	153	-1.93785922364394	0.0571979559263012	0.0571102019717608	0.159001499185162
GBM	ATM	cg15370815	0.122204026058565	153	0.969501879524556	0.33606185636861	0.0149338239849224	0.535630643003128
GBM	ATM	cg15504467	-0.311552254370823	153	-2.58165647360958	0.0122103393070311	0.0970648072035418	0.049843655185812
GBM	ATM	cg16693212	-0.263122130360719	153	-2.14749812109169	0.035670776383653	0.069233255485563	0.112419882433556
GBM	ATM	cg16788234	0.0950751812139959	153	0.752029347047593	0.454878968467562	0.00903929008287417	0.645145110808655
GBM	ATM	cg17114932	-0.318548876515078	153	-2.64610120163818	0.0103065444889227	0.101473386729018	0.0436204407796776
GBM	ATM	cg17420659	-0.377285022503109	153	-3.20781151137352	0.00211754013894277	0.142343988205171	0.0124382299583897
GBM	ATM	cg18042593	-0.30756110366797	153	-2.54510398624882	0.013426949194095	0.0945938324894599	0.0536398274571759
GBM	ATM	cg18391757	-0.0676637211181347	153	-0.534008522030623	0.595245222343386	0.00457837915555271	0.756679360540244
GBM	ATM	cg18457775	0.119743500214767	438	1.4117192509978	0.160299841182731	0.014338505843684	0.330130932518913
GBM	ATM	cg19288979	0.219163169839442	153	1.76869258797547	0.0818640520177542	0.0480324950140719	0.206321704819683
GBM	ATM	cg20342375	-0.166429661172547	153	-1.32900363888257	0.188717022872266	0.0276988321180088	0.368444814468831
GBM	ATM	cg22477592	0.119230394434393	438	1.40558255008408	0.162111876071628	0.0142158869569809	0.332691357456835
GBM	ATM	cg22678707	-0.0978960579028457	153	-0.774554792542084	0.441546664280364	0.00958363815291731	0.63409723285571
GBM	ATM	cg22837512	-0.105550513331293	153	-0.835774256087308	0.406491346619045	0.0111409108644995	0.6027598082245
GBM	ATM	cg23275463	-0.240579051134025	153	-1.95164194841003	0.0555017169186187	0.0578782798445478	0.155581600099705
GBM	ATM	cg23389069	-0.158083526715609	153	-1.26060206807918	0.212175801781732	0.0249904014188446	0.398351782220337
GBM	ATM	cg24030675	-0.190947307526322	153	-1.5317035060946	0.130682584296805	0.0364608742515517	0.287208547695727
GBM	ATM	cg24568245	-0.422837709334761	153	-3.67403169565088	0.000499857936068586	0.178791728435468	0.00374912729256841
GBM	ATM	cg25400013	-0.173618774004497	153	-1.3881576306752	0.170057084185582	0.0301434786868247	0.343755250282791
GBM	ATM	cg25740661	0.157524654996888	153	1.25603186302288	0.213816933025213	0.0248140169318887	0.400406203065895
GBM	ATM	cg25918541	-0.160655596382519	153	-1.28165140796602	0.204737368788463	0.0258102206490229	0.388851046570549
GBM	ATM	cg27453365	0.0323813671050149	153	0.255104920140807	0.799486409994297	0.00104855293558974	0.890500777158719
GBM	ATM	cg27599391	-0.309606883563014	153	-2.56382130277186	0.0127908859092355	0.0958564223496018	0.0517099297626703
GBM	ATR	cg00911981	0.165043523787636	153	1.31762351976908	0.192478004095687	0.0272393647442399	0.373174675404856
GBM	ATR	cg00969988	-0.141121676014559	153	-1.12242613839913	0.266009271994098	0.0199153274411583	0.461835504943511
GBM	ATR	cg11458642	0.0872766357994794	438	1.02545986928214	0.306953475493202	0.00761721115647497	0.505442779453859
GBM	ATR	cg11936145	0.122219293695294	153	0.969624841487081	0.336001029683904	0.0149375557513764	0.535577586379051
GBM	ATR	cg15135999	0.0212725226131707	153	0.167537921994129	0.867492089067116	0.00045252021832786	0.929587663485565
GBM	ATR	cg15291273	0.0777075406990405	153	0.613725572335246	0.541641976723024	0.00603846188149304	0.716509589463865
GBM	ATR	cg15480357	-0.0316972063985043	153	-0.249709527481378	0.803637491580126	0.00100471289346938	0.893040239693517
GBM	ATR	cg16031872	-0.0733503670108704	153	-0.579121385110187	0.564605495712387	0.00538027634062939	0.734275969331128
GBM	ATR	cg17945282	-0.236950076523595	153	-1.92043731345512	0.0594050879483896	0.0561453387645376	0.163495344649297
GBM	ATR	cg20032934	-0.153259847683313	153	-1.22119655717114	0.226635172349143	0.0234885809119124	0.4161852701114
GBM	ATR	cg20636078	0.057022608488903	438	0.66852027831562	0.504926373171679	0.00325157787887871	0.688100942007841
GBM	ATR	cg24631870	-0.0211615274599434	153	-0.166663354803182	0.868177297009127	0.000447810244437937	0.929988947160001
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GBM	AURKB	cg02245743	0.113159666294915	153	0.896780287938802	0.373305166485217	0.0128051100759765	0.57185141228637
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GBM	AURKB	cg05811247	0.0720209834427624	153	0.568570301231307	0.57170155534854	0.00518702205606266	0.739462146425876
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GBM	AURKB	cg12844497	-0.05585280767348	438	-0.654762428236094	0.513718513798391	0.00311953612501075	0.695320099910085
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GBM	BAP1	cg00794529	-0.13573054696792	153	-1.07872615490999	0.284888755427099	0.0184227813802107	0.482139499421624
GBM	BAP1	cg02503646	-0.241729420702499	153	-1.96155173785434	0.0543088165907439	0.0584331128331658	0.153270454484322
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GBM	BAP1	cg11234564	-0.0984191017603162	153	-0.77873349051218	0.43909882747362	0.00968631959130747	0.631841632622732
GBM	BAP1	cg12859382	0.0917874753113442	153	0.725799177715329	0.470692852945352	0.00842494062403062	0.659166711965942
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GBM	BAP1	cg24291822	-0.247970170180375	153	-2.0154668006284	0.0481958527869173	0.0614892052992843	0.140430284718733
GBM	BAP1	cg24747396	-0.0611958432740503	438	-0.717623967913776	0.474211037679563	0.00374493123402213	0.662146632980032
GBM	BAP1	cg25749966	-0.334186214746758	153	-2.79189936573443	0.00695759560585122	0.111680426126766	0.0322581317457292
GBM	BAZ1A	cg00169548	-0.092416578496963	285	-0.793001296849965	0.430346918866573	0.00854082398108532	0.624331376294681
GBM	BAZ1A	cg05294307	0.215456318076665	151	1.72324056382762	0.089911004080138	0.046421424999153	0.220640883612828
GBM	BAZ1A	cg07414384	-0.330350795559539	438	-4.09665013073329	7.13610897945249e-05	0.109131648126821	0.000721344155337223
GBM	BAZ1A	cg23422263	-0.385807500008553	153	-3.2927806621918	0.00164116466191343	0.148847427062849	0.0101231179597917
GBM	BAZ1A	cg26967526	0.241217975101923	153	1.95714483922894	0.0548365687896039	0.0581861115122718	0.154295284737357
GBM	BAZ1B	cg00525989	0.00309643924562686	153	0.0243815038858947	0.980626605612251	9.58793600185824e-06	0.989998212647609
GBM	BAZ1B	cg04742505	-0.144365143029269	153	-1.14876619095367	0.255065087066044	0.0208412945218614	0.44932255572147
GBM	BAZ1B	cg05166819	-0.157274643274874	153	-1.25398777898397	0.214553979136637	0.0247353134172388	0.401361329605049
GBM	BAZ1B	cg06059318	0.082848013881777	153	0.654596288671963	0.515148829556213	0.00686379340415512	0.696558132377025
GBM	BAZ1B	cg06394887	0.147425713509072	153	1.17365560978693	0.245021915232947	0.0217343410036591	0.437897375855909
GBM	BAZ1B	cg14093368	0.0597738189551118	438	0.700887838187713	0.484561737031262	0.00357290943247849	0.67128476129659
GBM	BAZ1B	cg15636799	-0.502064024784467	153	-4.57113421928704	2.36970403303757e-05	0.252068284982778	0.000277759161588254
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GBM	BAZ1B	cg25710357	0.0676391107733922	153	0.533813402003272	0.59537941735452	0.00457504930621522	0.75677575271927
GBM	BAZ2A	cg14634319	0.0406457016953571	438	0.476139211966605	0.634733645024204	0.00165207306630796	0.784819193238916
GBM	BAZ2A	cg18206859	-0.113828183370423	153	-0.902147565113738	0.370469963087894	0.0129568553294107	0.569155761764315
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GBM	BAZ2A	cg25683012	0.0354851626508051	438	0.41560492672465	0.678349354964641	0.0012591967683541	0.814312317261311
GBM	BRD7	cg03021120	-0.212435715335378	153	-1.71179207383395	0.0919334292115847	0.0451289331500536	0.224238702956231
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GBM	BRD8	cg01096096	-0.277334540380647	153	-2.27289215466541	0.0265094216298585	0.0769144472881445	0.0900320416604038
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GBM	BRD8	cg03684156	-0.274543049919025	153	-2.24813931903437	0.0281327605160533	0.0753738862588402	0.0941437592629521
GBM	BRD8	cg07430605	0.0827159848504839	438	0.971494936928232	0.333013974476525	0.00684193414978549	0.53266076836966
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GBM	BRD8	cg12964860	-0.322573854631371	153	-2.68339165568454	0.00933262357778103	0.104053891691741	0.0403929074557637
GBM	BRD8	cg14473243	-0.32263723886557	153	-2.6839801863936	0.00931795036056476	0.104094787902799	0.0403563428543467
GBM	BRD8	cg22106577	-0.0138449321403496	153	-0.109025554315156	0.913534321962331	0.000191682145970885	0.954311957625298
GBM	BRD8	cg22818036	0.0420069304722382	153	0.331055117252992	0.74171916057133	0.00176458220769945	0.854671700862517
GBM	BRD8	cg23298160	-0.119409426659825	153	-0.947006504386539	0.347311938843297	0.0142586111752281	0.546624786783338
GBM	BRD8	cg26008208	0.0349240870306167	153	0.27516039291573	0.784107938913139	0.00121969185492209	0.880914044332569
GBM	BRD8	cg26630792	0.0509233370893262	153	0.401491666471774	0.689438719891269	0.00259318626031314	0.821489006957089
GBM	BRD8	cg27119451	-0.124291987697112	438	-1.46616955611496	0.144893643148908	0.015448498205699	0.308488356964507
GBM	BRD9	cg02364331	-0.177955229013024	153	-1.42394911749171	0.159474762568951	0.0316680635330778	0.329058927358999
GBM	BRD9	cg02822723	0.056554220940715	438	0.663011314983212	0.508437300638701	0.00319837990621121	0.690960997936677
GBM	BRD9	cg05193570	-0.0870763752583595	153	-0.688254302960147	0.493859848378139	0.00758229512813464	0.679149991943806
GBM	BRD9	cg07308931	-0.218659882274341	153	-1.76442675896301	0.0825857806571924	0.0478121441162285	0.207622744973036
GBM	BRD9	cg09497020	-0.245051393502018	153	-1.99021817508199	0.0509807246476628	0.060050185457281	0.146352060712214
GBM	BRD9	cg10551270	-0.0331568063404638	153	-0.26122058322173	0.794788183993012	0.00109937380669902	0.887606080844577
GBM	BRD9	cg10600960	-0.0777237752085686	153	-0.613854569889056	0.541557274499029	0.00604098523267211	0.716495010414583

GBM	BRD9	cg13722821	-0.230357013232465	153	-1.86396198563038	0.0670635260647729	0.0530643535453822	0.178687534564611
GBM	BRD9	cg17977043	-0.0597318755019544	153	-0.47117055310587	0.639172654561208	0.00356789695098098	0.787965857773432
GBM	BRD9	cg20079193	0.0053348528863899	153	0.0420072714156184	0.966627891068507	2.84606553194226e-05	0.98244666223378
GBM	BRD9	cg21160852	-0.216775883084625	153	-1.74847121263175	0.0853322561560154	0.0469917834871192	0.212630926822584
GBM	BRD9	cg21758832	-0.158647071535827	153	-1.26521174585614	0.21052995804427	0.025168893306894	0.396234759667488
GBM	BRD9	cg21910709	-0.122891352952888	153	-0.97503814270388	0.333330378170723	0.0151022846305913	0.53294881733097
GBM	BRD9	cg24953233	-0.0907391007632002	153	-0.717440050232596	0.47579707077671	0.0082335844073142	0.663571702180603
GBM	BRD9	cg25523559	-0.158813288644355	153	-1.266571608764	0.210046243253718	0.0252216606500352	0.395630658265452
GBM	BRD9	cg25951128	-0.248881524671661	153	-2.02336233203576	0.0473522996101625	0.0619420133228904	0.138673573101678
GBM	BRD9	cg26504197	-0.173022056741087	153	-1.38323911895767	0.171552523904857	0.0299366321189159	0.345736044264513
GBM	BRDT	cg00308185	-0.250163770075017	153	-2.0344807894738	0.0461859921263428	0.0625819118581458	0.136165273486062
GBM	BRDT	cg01515515	-0.323357080090742	151	-2.69066683507015	0.00915271339782675	0.10455980124481	0.0398362352137164
GBM	BRDT	cg02935097	-0.011306350257267	153	-0.0890319817713514	0.929343467824362	0.000127833556140002	0.962629763207398
GBM	BRDT	cg03421440	0.146754399248358	153	1.16819337069031	0.247201288355337	0.0215368536987466	0.440443393037273
GBM	BRDT	cg06442199	-0.25572300067425	153	-2.08281843517573	0.0413990890569949	0.0653942530738424	0.125510550822286
GBM	BRDT	cg09250199	-0.0302055214476261	153	-0.237947086798976	0.81270675849816	0.000912373525922998	0.899072959295315
GBM	BRDT	cg13299824	-0.295942173745433	153	-2.43952755161883	0.0175809602669889	0.0875817702011721	0.0659351695998713
GBM	BRDT	cg14732540	-0.200242231944801	437	-2.39222638148893	0.0181036066859563	0.0400969514542354	0.0674368884565831
GBM	BRDT	cg19245011	-0.221201107294218	153	-1.78598120407526	0.0789924770344004	0.0489299298681883	0.201170025155143
GBM	BRPF1	cg04879506	-0.118341620576078	153	-0.938417165366637	0.351671553861628	0.0140047391605724	0.550649857317623
GBM	BRPF1	cg13694772	0.272355471523577	153	2.22878452862919	0.0294625930889377	0.0741775028688297	0.0973791463126488
GBM	BRPF1	cg14712964	0.209761913360695	438	2.51106518614936	0.0131987424744506	0.0440000602967395	0.0529433315487992
GBM	BRPF1	cg17738494	-0.00672090951139964	438	-0.0786680057195782	0.93741148100965	4.51706246604221e-05	0.966551912185071
GBM	BRPF1	cg20952324	0.0478416043316946	153	0.377137015662609	0.707359611329436	0.00228881910503041	0.833200118244066
GBM	BRPF1	cg25467642	0.0713909602161633	153	0.563570984911646	0.575078914694766	0.00509666920058582	0.74207817351053
GBM	BRPF1	cg26227975	-0.0871644397860524	153	-0.688955693873218	0.493421398243433	0.00759763956321635	0.678734009836735
GBM	BRPF3	cg01499736	0.02098044696351	153	0.165236575441888	0.869295370949667	0.000440179154788658	0.930653878588845
GBM	BRPF3	cg05882415	-0.140038092257891	153	-1.11363466697838	0.26973476865403	0.0196106672832297	0.465796254480122
GBM	BRPF3	cg10562781	0.0012891495258187	153	0.0101507819519038	0.991933579267966	1.66190649991858e-06	0.995725586879101
GBM	BRPF3	cg14654948	-0.461181432035138	153	-4.09255297021225	0.000125417704442219	0.21268831325398	0.00117029445836367
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GBM	BRPF3	cg23517469	-0.0568731254104619	153	-0.448545446730285	0.65532334261525	0.00323455239395413	0.799076039050607
GBM	BRWD3	cg03164831	-0.0985630307502375	438	-1.15929552743622	0.248352323091066	0.00971467103067227	0.441650944090512
GBM	BRWD3	cg05835545	-0.127058267274603	153	-1.00863250632968	0.317071205454358	0.0161438032828245	0.516343332924082
GBM	BRWD3	cg09523186	-0.0877985633429265	153	-0.6940066595988	0.490270277103245	0.00770858772508188	0.676153446419745
GBM	BRWD3	cg11957438	-0.183551828141122	151	-1.44635995396559	0.153280252427136	0.033691273613948	0.320459122744333
GBM	BRWD3	cg15511898	-0.176332281047065	153	-1.41054400682947	0.163376842485264	0.0310930733392613	0.334387594630183
GBM	BRWD3	cg22618269	-0.0997848263397624	153	-0.789647608429717	0.432743238935828	0.00995701156765654	0.626406208346134
GBM	BRWD3	cg25063710	-0.0171747368781682	438	-0.201054796117655	0.840953918640883	0.000294971586834311	0.914800516740993
GBM	BRWD3	cg25708850	-0.147673151844388	151	-1.16614959645951	0.248093190131135	0.0218073597756558	0.441451059218206
GBM	CARM1	cg12317676	-0.067588737091616	438	-0.792919079437557	0.429195995770953	0.00456823738163959	0.623285926129326
GBM	CARM1	cg17918830	-0.0359211386999881	153	-0.2830259861145	0.778099756457648	0.00129032820550378	0.877257869682499
GBM	CARM1	cg22378614	-0.143113015947696	152	-1.13859329216068	0.259253274474748	0.0204813353336454	0.454079113262704
GBM	CARM1	cg26504915	-0.216283453637194	153	-1.74430422714624	0.0860618600225833	0.0467785323172323	0.21396382345437
GBM	CBX1	cg01544580	0.182706853027603	153	1.4632657141656	0.148446161323974	0.03338179414325	0.313503656044013
GBM	CBX1	cg01553295	-0.096302983333294	153	-0.761831391039524	0.449049007361966	0.0092742645988927	0.6402734325278
GBM	CBX1	cg02835499	-0.102172986332726	153	-0.808743338728336	0.421755404738371	0.0104393191361474	0.616875974794863
GBM	CBX1	cg04864609	-0.451710454676111	153	-3.98667655673028	0.000179200753440429	0.204042334863699	0.00158252504284617
GBM	CBX1	cg11729481	-0.00819078214959436	153	-0.0644964466747341	0.948782440724339	6.70889122221136e-05	0.972797547419234
GBM	CBX1	cg12245530	-0.240046314596186	153	-1.94705568220614	0.056061319787395	0.0576222331512111	0.156692929671275
GBM	CBX1	cg13342109	0.00564400559262332	153	0.0444416523228737	0.964695188031847	3.18547991295633e-05	0.98144923832487
GBM	CBX1	cg17778721	0.0913305249964211	434	1.07348286550536	0.284941686844202	0.0083412647961219	0.482147254957555
GBM	CBX1	cg21511817	-0.158833562855802	153	-1.26673748461466	0.209987296236698	0.0252281006894681	0.395567023740684
GBM	CBX4	cg04398978	0.0275190507997838	438	0.32222426446834	0.747773982842884	0.000757298156921082	0.858416769537966
GBM	CBX4	cg04925705	-0.026037699132035	153	-0.205090581561536	0.838173206700023	0.000677961776090378	0.913399448667426
GBM	CBX4	cg05949524	-0.0275515768733612	153	-0.217023719080882	0.828902437558329	0.000759089388208733	0.908002819429329
GBM	CBX4	cg07159673	0.237022022274006	153	1.9210551236514	0.0593255987052177	0.0561794390428594	0.163317018495832

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GBM	CBX4	cg21365914	-0.154138913914426	153	-1.22837105507147	0.223950283670901	0.0237588047827187	0.412990123690744
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GBM	CBX5	cg03689456	-0.146054212582219	153	-1.16249796487103	0.249488463936466	0.0213318330130121	0.443033270182853
GBM	CBX5	cg05754589	-0.114196003872327	438	-1.3454314472564	0.180708584740817	0.0130407273004085	0.357847617190457
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GBM	CBX5	cg09060496	-0.0159865301194962	153	-0.125894152397489	0.900223071301553	0.000255569145261559	0.947376337339805
GBM	CBX5	cg09158487	-0.171909952845643	153	-1.37407665810793	0.174365165047197	0.0295530318873912	0.349683268017881
GBM	CBX5	cg09653879	-0.206510837784351	153	-1.66189116843761	0.101583164208071	0.0426467261223944	0.240982739221163
GBM	CBX5	cg11005091	-0.0531125337036846	438	-0.622544970017318	0.534618411458284	0.00282094123642503	0.711285469084022
GBM	CBX5	cg11338003	-0.090112543257459	153	-0.712445395992784	0.478861665191868	0.00812027045232742	0.666284312752864
GBM	CBX5	cg12263485	0.0144988685604362	438	0.169722745801816	0.865478547804154	0.000210217189532805	0.92856111859047
GBM	CBX5	cg12600134	0.0812028839481808	153	0.641510677032429	0.523555551983659	0.00659390836150172	0.70291129876349
GBM	CBX5	cg13445218	-0.245204332412312	153	-1.99153972270293	0.0508316089808031	0.0601251646337677	0.146042552315714
GBM	CBX5	cg14017196	-0.19668205397216	153	-1.57952846239225	0.119303693970162	0.0386838303547078	0.269682160938973
GBM	CBX5	cg14394617	-0.0749689161393836	153	-0.591971720687672	0.556022143864225	0.00562033838711393	0.727442512188852
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GBM	CBX5	cg20545544	-0.100305602598105	153	-0.793810548868237	0.430333485264044	0.0100612139125689	0.624331376294681
GBM	CBX5	cg20927027	0.0500727799486304	153	0.39476867263985	0.694368425157041	0.00250728329178396	0.824811001002684
GBM	CBX5	cg21826008	-0.254377729002007	153	-2.07110123405423	0.0425181227264671	0.0647080290122185	0.128034947719392
GBM	CBX5	cg24505978	-0.0225298598007356	153	-0.177445334332936	0.859737050758444	0.000507594582640804	0.925477170071158
GBM	CBX5	cg25817259	0.0452586616291638	153	0.356732601300216	0.722503249136428	0.00204834645246314	0.842783871817976
GBM	CBX6	cg03028106	-0.340150191708988	153	-2.80186406597567	0.00683019997208143	0.115702152919661	0.0317792210901975
GBM	CBX6	cg04134624	0.13620354173724	438	1.60921808803488	0.109870594600175	0.0185514047817681	0.254731866135961
GBM	CBX6	cg04215348	-0.235831198351409	153	-1.91083361951727	0.0606524130671477	0.0556163541158615	0.165953637526227
GBM	CBX6	cg04801716	-0.179579808899437	153	-1.43737972543336	0.155638070659999	0.0322489077643582	0.323722595555864
GBM	CBX6	cg06060673	-0.317191143523936	153	-2.63355821928706	0.0106544033100392	0.100610221530022	0.0447859463374796
GBM	CBX6	cg09913544	-0.0281768425118452	153	-0.221952805287631	0.825080098125536	0.000793934453937327	0.906029113780554
GBM	CBX6	cg14498989	-0.407152682002377	153	-3.51003222403601	0.000840943232214966	0.165773306461729	0.00580791351268919
GBM	CBX6	cg24649346	0.00105180709432962	438	0.012311093212966	0.990195326648832	1.10629816368213e-06	0.994699165980107
GBM	CBX6	cg25836955	-0.437737882009542	153	-3.83354624817556	0.00029777140598605	0.1916144533462	0.00242868827398603
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GBM	CBX7	cg01525244	-0.465986234830117	153	-4.14694008254885	0.000104228286651985	0.217143171051149	0.000998317573479995
GBM	CBX7	cg02523424	-0.123868219691866	153	-0.982909037281023	0.329472374991299	0.0153433358496324	0.529150128825986
GBM	CBX7	cg03804568	0.0504677016773714	438	0.591463008405266	0.555184914437422	0.00254698891259616	0.726680680882636
GBM	CBX7	cg10339854	-0.316067951150877	153	-2.62319557912315	0.0109498241174033	0.0998989497447131	0.0457719663892017
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GBM	CBX7	cg26672614	-0.246590762102869	153	-2.00352711768641	0.0494960310284549	0.0608070039544739	0.143236895983469
GBM	CBX7	cg27062573	-0.0783174211230249	153	-0.61857195064869	0.538464413805429	0.00613361845136122	0.714115491358181
GBM	CDYL2	cg01442398	-0.333982266432084	153	-2.78998152671869	0.00699423781426844	0.111544154291112	0.032371557240687
GBM	CDYL2	cg02461391	-0.341593968733269	153	-2.86186135333203	0.00573573290277863	0.116686439474946	0.0276682337346537
GBM	CDYL2	cg06919916	-0.408233537394754	153	-3.52121067010072	0.00081198236609014	0.166654621053834	0.00563843222240617
GBM	CDYL2	cg10112854	-0.117316598214354	153	-0.930175081303011	0.355888150530087	0.0137631842165882	0.554684406514086
GBM	CECR2	cg03927893	-0.237474789495858	153	-1.92494388058291	0.0588273328122901	0.0563942756461022	0.162284167687918
GBM	CECR2	cg12632097	0.0480228576169264	153	0.378569138076994	0.706301083012385	0.00230619485369558	0.832514946240386
GBM	CECR2	cg13466481	-0.108294304935829	153	-0.857754770258766	0.394331604933496	0.0117276564815343	0.591083313246814
GBM	CECR2	cg26796679	-0.151048988399214	153	-1.20316571243015	0.233486448297641	0.0228157968964258	0.424339323884281
GBM	CHAF1A	cg03006338	0.0295292195331176	153	0.232614746334306	0.816826758853303	0.000871974806235056	0.901472901071255
GBM	CHAF1A	cg04346879	0.177615128838122	153	1.42113899255619	0.160286720155379	0.0315471339921825	0.330121389065116
GBM	CHAF1A	cg05297461	0.0165457446090619	153	0.13029916001145	0.896751587391258	0.000273761664668301	0.945263000634545
GBM	CHAF1A	cg07783855	0.254508076165777	153	2.07223598282379	0.0424086160326969	0.064774360833605	0.127785265001267
GBM	CHAF1A	cg09700233	0.143037958236497	153	1.13798366410522	0.259505799514423	0.0204598574964659	0.454397996025592
GBM	CHAF1A	cg18804734	0.0529457711216134	153	0.417480982124461	0.677768834713837	0.00280325467966227	0.813841491776563
GBM	CHAF1A	cg23811775	0.11126090339388	153	0.881542523032341	0.381429074337844	0.0123789886240222	0.579877145434685

GBM	CHAF1A	cg24085258	0.0465876907295481	436	0.545887662130104	0.586030952662228	0.00217041292751202	0.750307897386088
GBM	CHAF1B	cg00660452	0.0746771974268856	151	0.584880684366161	0.560785214535046	0.00557668381553406	0.731376907831642
GBM	CHAF1B	cg02544117	0.26611141516992	152	2.17374362232134	0.0335516007661654	0.0708152852837374	0.107288442535476
GBM	CHAF1B	cg02908490	-0.0595160034076258	153	-0.469461669973352	0.640386549338182	0.00354215466161652	0.788724905707685
GBM	CHAF1B	cg04634639	-0.0864346477169865	153	-0.68314374662817	0.497060972836799	0.00747094832595956	0.681572977771106
GBM	CHAF1B	cg07872789	-0.06410506926244	153	-0.505804181068227	0.614787803258705	0.00410945990514223	0.770852981218292
GBM	CHAF1B	cg13854874	-0.182620666007577	436	-2.1740806332172	0.0314168731022573	0.0333503076530511	0.102175761961413
GBM	CHAF1B	cg25942896	0.0194500673374003	153	0.153178960297974	0.878754607339135	0.000378305119429404	0.935604800023823
GBM	CHD1	cg03255775	0.0161308935951415	153	0.127031311395686	0.899326712755035	0.000260205728177776	0.946832025424861
GBM	CHD1	cg03833628	-0.366250670257196	153	-3.09920513088261	0.0029163199129849	0.134139553463845	0.0160947922326013
GBM	CHD1	cg08865521	0.191559924728584	153	1.53680456315774	0.129429235336835	0.0366952047620206	0.285251797093142
GBM	CHD1	cg11365324	0.0765984076952977	153	0.604913685936041	0.547444015156387	0.00586731606145504	0.720769730989297
GBM	CHD1	cg12662497	-0.013342373440261	153	-0.105067305927504	0.916661578666524	0.000178018929019382	0.956010977729295
GBM	CHD1	cg16890600	0.0636819265317005	153	0.50245184450048	0.617129733877832	0.0040553877667889	0.772563441834718
GBM	CHD1	cg21082921	-0.327772904275532	153	-2.73180053806234	0.00819382151803054	0.107435076777217	0.0366002613214095
GBM	CHD4	cg00079216	-0.113202369555748	153	-0.89712309970935	0.373123669669315	0.0128147764730361	0.571688204070197
GBM	CHD4	cg00824109	0.0155400230410215	436	0.181913272955909	0.855919673714683	0.000241492316115478	0.923330878485206
GBM	CHD4	cg04344119	0.0954706064838265	153	0.755185807558236	0.452996848104981	0.00911463670238965	0.643378917031418
GBM	CHD4	cg05147525	0.165027716666521	153	1.31749379052214	0.192521200952542	0.0272341472681656	0.373239821240115
GBM	CHD4	cg11565429	0.189736289397611	153	1.5216252246507	0.133187190736498	0.0359998595143739	0.291011243572496
GBM	CHD4	cg19509514	-0.181953549371114	153	-1.45702562425809	0.150155616486331	0.0331070941287466	0.315831793997575
GBM	CHD4	cg20308811	-0.196990613016875	153	-1.58210642078977	0.118713645376641	0.0388053016167644	0.2687700977396
GBM	CHRA1	cg00296189	-0.22222189032628	153	-1.79465013312935	0.0775844892711219	0.0493825685401852	0.198587815088417
GBM	CHRA1	cg07270064	0.0327735306431819	153	0.258197741252398	0.797109475936644	0.00107410431081959	0.888989437075975
GBM	CHRA1	cg08877624	0.030716909926696	153	0.241979374793451	0.809594751358853	0.000943528555444757	0.897097314862129
GBM	CHRA1	cg12002314	-0.00030958669394646	436	-0.0036236195226461	0.997114047400092	9.58439210687006e-08	0.998528025129523
GBM	CHRA1	cg18770186	0.119279955220397	153	0.945964870451662	0.347838747385424	0.01422770771738	0.54711513605414
GBM	CHRA1	cg19486048	0.202519662871902	153	1.62838448337422	0.108514836730075	0.0410142138497488	0.252544446363103
GBM	CHRA1	cg22610305	-0.0432052897685747	436	-0.506177612109714	0.613545537887744	0.0018666970639865	0.770002767910032
GBM	CHRA1	cg23548819	-0.120615935476038	152	-0.956715569194339	0.342426589099746	0.0145482038907599	0.541649174598656
GBM	CLOCK	cg05960024	-0.0632068867701078	436	-0.741299911417072	0.459780417829771	0.00399511053516923	0.649618042686133
GBM	CLOCK	cg06085476	-0.341663990401781	153	-2.86252551467644	0.00572514740232577	0.116734282337268	0.0276274497249879
GBM	CLOCK	cg07236904	-0.0977596009599366	153	-0.77346471851922	0.442186532119664	0.00955693957984603	0.634520594063134
GBM	CLOCK	cg07500410	-0.0424704355255261	153	-0.334714548644077	0.738970168595904	0.00180373789372787	0.853018352990141
GBM	CLOCK	cg11774413	-0.347904295739581	153	-2.92193424003434	0.00484809127236454	0.121037398994054	0.0241888412289845
GBM	CLOCK	cg18928811	-0.0101033317367321	153	-0.07955777427429	0.936845215288703	0.000102077312182459	0.96633429926167
GBM	CLOCK	cg22523077	-0.13909412296467	153	-1.10597926118326	0.27300858116304	0.0193471750433107	0.469297089482219
GBM	CLOCK	cg23506964	-0.0778789299437085	153	-0.615087436447844	0.540748092957305	0.00606512772917706	0.715929232896563
GBM	CREBBP	cg00039463	0.257044592836028	153	2.09434199549405	0.040323556311728	0.0660719227062395	0.123151707689336
GBM	CREBBP	cg00747661	-0.0467138300150573	153	-0.368227053995523	0.71395820479006	0.00218218191467567	0.837227382927916
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GBM	CREBBP	cg08506924	0.251843659466961	153	2.04906454435676	0.0446938064859599	0.0634252288137108	0.132919565019067
GBM	CREBBP	cg24567591	0.27813474722214	153	2.27999924730937	0.026058902138157	0.0773589376123237	0.0888900391535465
GBM	CTCF	cg01866162	-0.139035497015303	436	-1.64332977764322	0.102607823257313	0.0193308694302925	0.242659158002111
GBM	CTCF	cg04487155	-0.172147363999246	153	-1.37603219792263	0.173761922391337	0.0296347149318889	0.348797187214854
GBM	CTCF	cg06241380	-0.392705451693218	153	-3.36227666157387	0.00132861902616079	0.154217571789575	0.00849778743082731
GBM	CTCF	cg07967402	0.279480258318614	153	2.29196110734784	0.0253159315290339	0.0781092147898394	0.0870272902063483
GBM	CTCF	cg08324636	0.222529464495802	153	1.7972634008729	0.0771641780855728	0.0495193625687882	0.197861171099543
GBM	CTCF	cg10218542	-0.368241996800574	153	-3.11869085787858	0.00275488018020066	0.135602168207674	0.0153794868129552
GBM	CTCF	cg10481400	-0.267958460087355	153	-2.18999408688942	0.0322954783741872	0.0718017363323867	0.104292006834434
GBM	CTCF	cg23858565	0.0946241271370127	436	1.1125388954685	0.267854886196309	0.00895372543644155	0.463560388350775
GBM	CXXC1	cg02159718	-0.297032219243692	153	-2.44938081786944	0.0171493984117126	0.0882281392688325	0.0647065816296812
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GBM	CXXC1	cg11871295	0.17174130447635	153	1.37268766265315	0.17479461279523	0.0294950756632383	0.350246551303115
GBM	CXXC1	cg13423076	-0.0348017336612065	436	-0.407590752603537	0.684210361690549	0.00121116066582556	0.818172569779462
GBM	CXXC1	cg15632775	0.163467033635115	153	1.30469036490002	0.196820440633891	0.0267214710854639	0.378958750585906

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GBM	DAXX	cg00221327	0.0826895310710223	153	0.653335459699054	0.515955699551348	0.00683755854874556	0.697074689409659
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GBM	DAXX	cg14746369	-0.118915005930375	153	-0.943029014651873	0.349326361864393	0.014140778635421	0.548335250098439
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GBM	DAXX	cg16922466	-0.174118319472854	153	-1.39227640455024	0.168812515853314	0.0303171891760508	0.342074663071978
GBM	DAXX	cg17079757	0.125908433564722	153	0.999357013077695	0.321506257087932	0.015852933642722	0.520999623718853
GBM	DAXX	cg17504991	0.0421770302069183	153	0.332398051311362	0.740709944193082	0.0017789018770753	0.854151809886404
GBM	DAXX	cg18187593	-0.229327136884776	153	-1.85516493071101	0.0683283983143703	0.0525909357117688	0.18117672872424
GBM	DAXX	cg18279148	-0.30309223574256	148	-2.46362842562737	0.0166382539114559	0.0918649033674235	0.0631732307476108
GBM	DAXX	cg18486541	0.172512783088941	153	1.37904261357084	0.172836396481484	0.029760660329092	0.347600177358622
GBM	DAXX	cg18944910	-0.0296472562767894	153	-0.233545390435371	0.816107325229673	0.000878959804741631	0.901002685895169
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GBM	DAXX	cg20763184	-0.153444978103351	153	-1.22270725142765	0.226067884211329	0.023545361305138	0.41548097690594
GBM	DAXX	cg21286626	0.222639796804853	153	1.79820096389794	0.0770138468746825	0.0495684791213063	0.197612481158686
GBM	DAXX	cg24328964	-0.194150665239272	153	-1.55839748760755	0.124229358666526	0.0376944808128518	0.27725385916334
GBM	DAXX	cg24496586	-0.160804847900231	153	-1.28287367271624	0.204311486215832	0.0258581991082166	0.388383534323976
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GBM	DAXX	cg24728112	-0.278971035789912	153	-2.28743230099189	0.0255949854194567	0.0778248388096964	0.0877113913801688
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GBM	DAXX	cg27052777	-0.133127273049308	153	-1.05765947585779	0.294314290503743	0.0177228708295451	0.492077756140218
GBM	DAXX	cg27393652	-0.201575105405952	153	-1.6204671987971	0.110207518733574	0.0406325231194205	0.255383626116579
GBM	DIDO1	cg00080059	0.0287996464626509	153	0.226862744739796	0.821276824984504	0.000829419636373681	0.90409250754011
GBM	DIDO1	cg01488865	0.207829703324582	153	1.67298224744829	0.0993698543265706	0.0431931855839839	0.237171824491662
GBM	DIDO1	cg06646488	-0.187472738621767	153	-1.50280687716891	0.137965568526678	0.0351460277263453	0.298245316063271
GBM	DIDO1	cg08610063	0.138920570788577	153	1.10457212233394	0.273613356390396	0.0192989249882239	0.469981838088639
GBM	DIDO1	cg13815390	0.167954582362457	153	1.34153252997065	0.184640882788131	0.0282087417365474	0.363138739365943

GBM	DIDO1	cg20969846	-0.0494543834307147	438	-0.579557873984106	0.563164631963536	0.00244573604051215	0.733162015177912
GBM	DIDO1	cg21212389	0.0657726354951002	153	0.519018113019353	0.605595885754529	0.00432603957997131	0.764217664061315
GBM	DIDO1	cg21687703	0.157265949835053	153	1.25391670628058	0.214579639906715	0.0247325789775213	0.401380377188752
GBM	DIDO1	cg22394521	-0.169873820949124	153	-1.35731526637166	0.179601567353032	0.0288571150438552	0.356540561313608
GBM	DMAP1	cg01604592	-0.111342646100454	153	-0.882198313919512	0.381077170964562	0.0123971848406509	0.579489374839069
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GBM	DMAP1	cg15990015	-0.0767681232947271	438	-0.901207332735625	0.369059656773948	0.00589334475419442	0.567785210201964
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GBM	DMAP1	cg21437596	-0.0540787997571474	153	-0.426440918449476	0.671263613268243	0.00292451658317364	0.809606533045047
GBM	DMAP1	cg23021241	-0.142639214334114	153	-1.13474535241429	0.260850124028792	0.0203459454658534	0.456094905796455
GBM	DMAP1	cg23451311	-0.071693538119462	438	-0.841316302258993	0.401636856792697	0.00513996340808675	0.598219263793666
GBM	DMAP1	cg24485408	0.0917918513000043	153	0.725834074378742	0.470671609568976	0.00842574396508211	0.659155469852003
GBM	DNMT1	cg04160663	-0.0987782037624556	153	-0.781602802555986	0.437422648037331	0.00975713353853721	0.630304095010301
GBM	DNMT1	cg04762346	-0.0607924228278632	438	-0.712875579181607	0.477135206888403	0.00369571867328171	0.664808559179632
GBM	DNMT1	cg06128182	-0.0587718821414251	153	-0.46357157450892	0.644578085264124	0.00345413413044556	0.791515460658712
GBM	DNMT1	cg06716436	0.056870135803883	438	0.666726914844953	0.506067885169797	0.0032342123463521	0.689113339032018
GBM	DNMT1	cg10635912	-0.111786046542514	153	-0.885755864613784	0.379171716957848	0.012496120201605	0.577721112245266
GBM	DNMT1	cg11380607	0.0599951293675397	153	0.473254608846948	0.637693597285736	0.00359941554782783	0.786859254070434
GBM	DNMT1	cg13393778	-0.15625748853372	153	-1.2456741141057	0.217571017387236	0.0244164027228657	0.405100723855569
GBM	DNMT1	cg15043801	0.0790474357935414	438	0.928130769806355	0.354972060107876	0.00624849710553404	0.553908903000852
GBM	DNMT1	cg21893394	-0.0278749732908266	153	-0.219573081451294	0.826924969088619	0.000777014135964296	0.907062802911408
GBM	DNMT1	cg23401624	-0.219289446708151	153	-1.76976313415326	0.081683752929816	0.0480878614375671	0.206039638358487
GBM	DNMT1	cg24477899	0.134102751890488	153	1.06555078387532	0.29075881316193	0.0179835480646019	0.488338547569963
GBM	DNMT1	cg27429799	-0.146704764183324	153	-1.16778957388193	0.247362949092492	0.0215222878340847	0.440639223810615
GBM	DNMT3A	cg02208653	0.18357203953387	153	1.47043589062149	0.14650075133732	0.0336986936986247	0.310745116954945
GBM	DNMT3A	cg03463641	0.109538719145373	153	0.867730278387209	0.388888250269873	0.011998730992009	0.58657461884393
GBM	DNMT3A	cg06112956	-0.0493415671345144	153	-0.388989691943669	0.698616543141607	0.00243459024728979	0.827129154536932
GBM	DNMT3A	cg07150430	-0.0297646474155237	153	-0.234470954053889	0.815391976502272	0.000885934235770442	0.900660287949818
GBM	DNMT3A	cg12066181	-0.0322974563036618	438	-0.3782293557629	0.705845642947187	0.00104312568368694	0.832242924982699
GBM	DNMT3A	cg13076778	0.0182927997690477	153	0.144061754878048	0.88591895008134	0.000334626523390473	0.939518082566
GBM	DNMT3A	cg13344237	0.167783258452069	152	1.34012442491092	0.185095638450538	0.0281512218167938	0.363668639942376
GBM	DNMT3A	cg15990840	0.15358578804942	153	1.22385637170189	0.225637068079874	0.0235885942907615	0.415038187742788
GBM	DNMT3A	cg15998962	0.145708259959052	153	1.15968460250285	0.250623834366168	0.0212308970202947	0.444303961582474
GBM	DNMT3A	cg21629895	0.046535187714046	438	0.545271126231286	0.586453688814955	0.0021655236955815	0.750578062655355
GBM	DNMT3A	cg21708767	0.10899477694959	153	0.863369408567327	0.391262067303276	0.011879861402291	0.588426109319754
GBM	DNMT3A	cg22731525	-0.0526304567753945	153	-0.414987780433936	0.679583396670845	0.00276996498038667	0.81512790002886
GBM	DNMT3A	cg25044635	0.015995983701917	153	0.125968618541839	0.900164369822215	0.000255871494591993	0.947367965464346
GBM	DNMT3A	cg26470599	0.0441394954056472	153	0.347893799493765	0.72909833469341	0.00194829505466515	0.84676402051338
GBM	DNMT3A	cg26995204	0.136299475306116	153	1.08333315297785	0.282855694436353	0.0185775469687225	0.480095074779745
GBM	DNMT3B	cg00300969	0.0734559283475224	153	0.579959339149046	0.564043801151335	0.00539577340939634	0.733815363348166
GBM	DNMT3B	cg13636640	-0.143698257530532	153	-1.14334738578603	0.257289976192901	0.0206491892173112	0.451740615496409
GBM	DNMT3B	cg14224313	-0.106390973276544	153	-0.842505105151537	0.402743665414815	0.0113190391947303	0.599258663567127
GBM	DNMT3B	cg16523653	0.107605558194486	438	1.26684650237473	0.207359638365914	0.0115789561543469	0.392289479998976
GBM	DNMT3B	cg16953106	0.16416588519929	153	1.31042230512656	0.194886899785682	0.0269504378632663	0.376419084885352
GBM	DNMT3B	cg17475857	0.136990823418833	153	1.08893293730737	0.280398108461052	0.0187664857009698	0.47760751553729
GBM	DNMT3B	cg17721173	-0.0664710766244331	153	-0.524553909185063	0.601763881787065	0.00441840402761126	0.76133323716019
GBM	DNMT3B	cg22605822	-0.194431390105428	153	-1.56073925729026	0.123675604664378	0.0378035654583292	0.276440064051851
GBM	DNMT3B	cg24403338	0.0392157541266249	153	0.309022867534539	0.758340210712356	0.0015378753717199	0.865285767643365
GBM	DNMT3B	cg25803642	0.290250568936594	153	2.38824770065561	0.0199882250862152	0.0842453927680163	0.0727774961320333
GBM	DNMT3L	cg09247319	-0.120097904057125	153	-0.952546322202286	0.344518906647502	0.0144235065589145	0.543740314129065
GBM	DNMT3L	cg15635600	-0.162639656506897	153	-1.29790687347447	0.199127246947044	0.0264516578686815	0.381860384475898
GBM	DNMT3L	cg27187798	-0.29623823762675	153	-2.44220273110517	0.0174628363593944	0.0877570934322027	0.065606021719357
GBM	DPF1	cg06168449	-0.0814956627346485	438	-0.957065767710162	0.340219912306233	0.00664154304455957	0.539450662575691
GBM	DPF1	cg06615189	-0.14530993446492	153	-1.1564458707505	0.251935437731544	0.0211149770541995	0.445737217259215
GBM	DPF1	cg07480327	0.0144257186791775	148	0.113600043244849	0.909921908462146	0.000208101359410772	0.952173266079796
GBM	DPF1	cg08057062	-0.215211405021487	153	-1.73523727256515	0.0876672516659196	0.0463159488513227	0.216803451571941

GBM	DPF1	cg13322582	-0.419831576134063	153	-3.64229807923478	0.000553344556052801	0.176258552319211	0.00408608318875858
GBM	DPF1	cg13917712	-0.248564204815356	153	-2.0206125786322	0.0476446269511332	0.0617841639154903	0.139325117807633
GBM	DPF1	cg17121541	-0.125437990968729	153	-0.995563222775735	0.323332148267354	0.015734689578271	0.522752896945166
GBM	DPF1	cg22145401	-0.0947076645370346	152	-0.7490959874739	0.456632097159607	0.00896954172205949	0.646900321716796
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GBM	DPF2	cg02186298	-0.0158300053992002	426	-0.185308682402727	0.85326099230638	0.000250589070938707	0.921812856158839
GBM	DPF2	cg14699126	-0.0332698230977725	153	-0.262111952590052	0.79410404039498	0.00110688112895708	0.887262369208156
GBM	DPF2	cg15918224	-0.283197472173779	153	-2.32508430983825	0.0233556790663761	0.080200802456186	0.0818585194309633
GBM	DPF2	cg15929437	0.0654042940095153	153	0.516098972943901	0.607621078526287	0.00427772167488311	0.765543908639814
GBM	DPF2	cg18224556	-0.218318808514352	153	-1.76153668336579	0.0830777437641952	0.0476631021511261	0.208502435667703
GBM	DPF2	cg19517014	0.0961011025090401	153	0.760219454378829	0.450004745059608	0.00923542190345303	0.641025216750295
GBM	DPF3	cg00888802	-0.226926044379974	153	-1.83468062088983	0.0713517212860623	0.051495429617942	0.186962706919328
GBM	DPF3	cg05151458	-0.142024086340616	153	-1.12975082997045	0.262933166749395	0.0201708411008867	0.458304201639153
GBM	DPF3	cg07171024	-0.221900540079504	153	-1.79192042060626	0.0780255670963903	0.0492398496875758	0.199309973874028
GBM	DPF3	cg10266394	0.15041399628828	153	1.19799041074363	0.235480442270263	0.0226243702794106	0.42669723110903
GBM	DPF3	cg12913429	-0.142960084714581	151	-1.11885643906539	0.267660810852958	0.0204375858216003	0.463379869930821
GBM	DPF3	cg13819165	-0.0542083340160545	153	-0.42746537374889	0.670521416658928	0.00293854347679613	0.809085373075718
GBM	DPF3	cg14238615	0.0881519456089063	153	0.6968621813509229	0.488518823408489	0.00777076551463558	0.674532460343977
GBM	DPF3	cg14242696	-0.339940018067978	153	-2.84618914147773	0.00599082511486919	0.115559215884057	0.0286342006012616
GBM	DPF3	cg15392845	0.072646073374329	153	0.573531147308058	0.568359763723235	0.00527745197670839	0.736892628804485
GBM	DPF3	cg15740492	-0.309981243982601	153	-2.56725066390164	0.0126773516769259	0.0960883716210007	0.0513416573665872
GBM	DPF3	cg16696021	-0.00221060831516089	153	-0.017406389810663	0.986168306035398	4.88678912305848e-06	0.992778834304541
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GBM	DPF3	cg20548765	-0.039945450166803	153	-0.314782028645227	0.75398409941686	0.00159563898902854	0.862529248721181
GBM	DPF3	cg21035356	-0.0398934456785788	153	-0.314371564135144	0.754294302991861	0.00159148700810972	0.862681999083236
GBM	DPF3	cg22784589	-0.142022532832673	153	-1.1297382179799	0.262938441622216	0.0201703998322078	0.458304201639153
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GBM	DPF3	cg26057784	0.169775799848814	153	1.35650881246199	0.179856497803952	0.0288238222143047	0.35688170771736
GBM	EED	cg00080012	-0.0487849499726031	438	-0.571693912413807	0.568466144889844	0.00237997134382939	0.736943713035721
GBM	EED	cg01739327	0.139836212033698	153	1.11199719837518	0.270432698001061	0.0195541661959334	0.466568523836121
GBM	EED	cg02172616	-0.0976542769640959	153	-0.772623377366671	0.442680766471112	0.00953635780938036	0.635022543321232
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GBM	EED	cg06358433	0.0719220025897909	153	0.567784830137053	0.572231551331518	0.00517277445652588	0.739874021262264
GBM	EED	cg10086030	-0.0459944377146068	153	-0.362544246808032	0.718178325138422	0.00211548830068284	0.83996037925007
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GBM	EED	cg12672785	0.0466219457851922	153	0.367501186846742	0.714496746606548	0.0021736058287974	0.837606387967296
GBM	EED	cg16265078	0.0402953487682064	153	0.317543798555982	0.751897984797237	0.00162371513235139	0.861105248249702
GBM	EED	cg18574463	-0.127779431574029	153	-1.01445211010545	0.314309657743632	0.016327583133382	0.513350664787808
GBM	EED	cg19325359	-0.0262533971036037	152	-0.206790732108102	0.836850932924353	0.000689240859479507	0.912661659226113
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GBM	ELP3	cg01209934	-0.0877938212939897	153	-0.693968884748345	0.490293802300664	0.007707755057401	0.676162115821136
GBM	ELP3	cg02516513	-0.127235985384793	153	-1.01006649279329	0.316389234142916	0.0161889959768393	0.51565373503968
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GBM	ELP3	cg05621091	-0.303342391521139	153	-2.5066286448834	0.0148251449017723	0.0920166064937637	0.0578359822721264
GBM	ELP3	cg15692687	0.100101516679722	153	0.792179064517004	0.431276931835847	0.0100203136415806	0.625235415576264
GBM	ELP3	cg17572663	0.139228455589478	153	1.10706848426621	0.272541086665832	0.0193845628458313	0.468947653191226
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GBM	ELP3	cg22414525	-0.155745267438977	153	-1.24148903966605	0.219101558729995	0.0242565883296385	0.407011563773894
GBM	ELP3	cg22487209	-0.0352126144844425	153	-0.277436457711661	0.782367978877358	0.00123992821882997	0.879802019305357
GBM	ELP3	cg25374552	0.301346498608634	153	2.48848255487739	0.0155291123915108	0.0908097122236835	0.059974768871826
GBM	ELP4	cg04972224	-0.151021663801131	153	-1.20294298063387	0.233572011441849	0.0228075429372618	0.424465077978583
GBM	ELP4	cg05195750	0.043990088047212	153	0.346713930003096	0.729980264465168	0.00193512784640146	0.847355705837287

GBM	ELP4	cg05635455	0.0286911256168552	153	0.226007190550255	0.821939236406651	0.000823180689162163	0.904386593830712
GBM	ELP4	cg08111895	-0.271692760915635	153	-2.229285255434	0.0298757173628721	0.0738169563339602	0.0983601318941669
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GBM	ELP4	cg10583382	-0.0438616636263823	438	-0.513882163260032	0.60816223108347	0.00192384553607391	0.765965201562444
GBM	ELP4	cg11385473	-0.108886374151046	438	-1.28210547331176	0.201970979007562	0.0118562424757616	0.385400928262754
GBM	ELP4	cg13263383	0.0820199142852843	153	0.648008792955659	0.519371907821133	0.00672726633936538	0.699958142879238
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GBM	ELP4	cg25130734	0.00453029058166369	153	0.035671909770264	0.971658572022442	2.05235327543107e-05	0.98496147038081
GBM	EP300	cg00500400	0.00929612129129404	438	0.108813011844244	0.91351001594289	8.64178710624504e-05	0.954311957625298
GBM	EP300	cg02046995	0.360782088436626	153	3.04594497083838	0.00340382613850629	0.130163715336694	0.0182317027415973
GBM	EP300	cg07519229	-0.095007970645904	153	-0.745407815414824	0.458887872594843	0.00902651448625295	0.648818667226316
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GBM	EP300	cg24349919	0.128646143946656	153	1.02144841322995	0.311011243987844	0.0165498303523437	0.509916361282473
GBM	EPC1	cg02900516	-0.13597465533993	153	-1.08070273227096	0.284015258073878	0.0184891068948128	0.481292242721137
GBM	EPC1	cg16942190	-0.255977231718749	153	-2.08503421747649	0.041190370791023	0.0655243431583944	0.125043459974902
GBM	EPC1	cg26211455	-0.0672694451650792	153	-0.530882672231499	0.597396743973623	0.00452517825281759	0.758275077989932
GBM	EPC2	cg00066942	-0.0152625745180109	153	-0.120191631838671	0.904719990586536	0.000232946180917836	0.949526961235905
GBM	EPC2	cg03664802	0.0822597311637942	153	0.649916386013048	0.518147117583902	0.0067666633711397	0.698979275600369
GBM	EPC2	cg04098458	0.158776205368786	152	1.26626821182661	0.210154092645165	0.025209883391311	0.395776302005374
GBM	EPC2	cg05586854	-0.0559675519436694	153	-0.441380770132138	0.660472871600649	0.00313236687056733	0.802511786121744
GBM	EPC2	cg10458926	0.00375324764571078	153	0.0295533096729606	0.976518229439474	1.40868678900335e-05	0.987588195067918
GBM	EPC2	cg11721798	-0.126471469233053	153	-1.00389840254083	0.319329644377709	0.0159950325299672	0.518663226323326
GBM	EPC2	cg12432635	0.240377533444206	153	1.94990688646632	0.0557128609835033	0.0577813585847204	0.155959924697756
GBM	EPC2	cg16434205	0.0920198267402916	153	0.727652141041816	0.469565609951397	0.00846764851331329	0.658365090755321
GBM	EPC2	cg21347644	-0.0132941024469906	153	-0.104687118596926	0.916962020101131	0.000176733159871081	0.956178936281983
GBM	EPC2	cg21650422	-0.166635935363951	153	-1.33069783053839	0.188161894062371	0.0277675349546189	0.367633779985963
GBM	EZH1	cg00728999	-0.362389334764775	153	-3.0615605175597	0.00325353974256366	0.131326029951256	0.0175816784665038
GBM	EZH1	cg01716316	-0.206370503562104	153	-1.66071157762453	0.101820908202621	0.0425887847404762	0.241341084449428
GBM	EZH1	cg03623386	-0.219769651668458	153	-1.77383505487538	0.0810009808903502	0.0482986997944753	0.204716880783077
GBM	EZH1	cg05375741	-0.2544376230478	153	-2.07162263197943	0.0424677758663232	0.0647385040222143	0.127908093838118
GBM	EZH1	cg05979501	-0.298940403259403	153	-2.4666548165251	0.0164157364194039	0.0893653647008944	0.0625359090647427
GBM	EZH1	cg06975499	-0.120148967410215	438	-1.41656941525954	0.158878675980418	0.0144357743697408	0.328203290560574
GBM	EZH1	cg12812489	-0.207580330866868	153	-1.67088440595945	0.0997854458520176	0.0430895937627986	0.237891202553418
GBM	EZH1	cg19395400	-0.040417805559939	153	-0.318510384688892	0.751168307382202	0.00163359900628104	0.860636935808937
GBM	EZH1	cg22227424	-0.120303922813188	153	-0.954204318147196	0.343685850210437	0.0144730338442416	0.543028651622401
GBM	EZH1	cg27088844	-0.0556422899011563	438	-0.652286849476788	0.515309074418177	0.00309606442544432	0.696682509083134
GBM	EZH2	cg01893439	0.0624859442062626	153	0.492978172937098	0.623769542893205	0.00390449322334816	0.777142067228808
GBM	EZH2	cg02303805	0.110410086726952	153	0.874717814996503	0.385103390670239	0.0121903872510531	0.583206470318686
GBM	EZH2	cg06816161	-0.0633644714662264	438	-0.743155529673578	0.458660005801218	0.00401505624419422	0.648615667617385
GBM	EZH2	cg13751213	-0.0309858665158116	153	-0.244100168275365	0.807959215567087	0.000960123923735696	0.89602288313443
GBM	EZH2	cg18494018	-0.0273714981486584	153	-0.215604172284537	0.830004022389342	0.000749198910902012	0.908697706316851
GBM	EZH2	cg20101066	0.2788272380357	153	2.28615380466265	0.0256742549492789	0.077744628670617	0.0879139876756989
GBM	FBXL19	cg00026853	-0.0656514258595363	153	-0.518057492070209	0.606261987665112	0.00431010971739019	0.764663738308237
GBM	FBXL19	cg02291855	-0.0394831401917045	153	-0.311133166952533	0.756743102708309	0.00155891835939779	0.86435086305907
GBM	FBXL19	cg03181514	-0.0100868575611574	153	-0.0794280366540743	0.936947983935081	0.000101744695459079	0.966360948228465
GBM	FBXL19	cg03627896	0.0491766528865087	438	0.576295226277555	0.565361227757902	0.00241834318912016	0.734768174203608
GBM	FBXL19	cg04477789	-0.00208050651709737	153	-0.0163819601523135	0.986982275471503	4.32850736768462e-06	0.993148441205393
GBM	FBXL19	cg05643349	-0.0258207483749944	153	-0.203380585363245	0.839503610151861	0.000666711046644776	0.914102530377459
GBM	FBXL19	cg05768582	-0.141946156662582	153	-1.12911817659387	0.263197861673911	0.0201487113912784	0.458622789809839
GBM	FBXL19	cg06862768	-0.0808203851144808	153	-0.638468983906516	0.525519935362838	0.00653193465005299	0.704442280495559
GBM	FBXL19	cg07697662	-0.0726294246976483	153	-0.573399011103427	0.568448650923886	0.00527503333191136	0.736943713035721
GBM	FBXL19	cg08535091	-0.00176940601367361	438	-0.0207103988303315	0.983506806631155	3.13079764122432e-06	0.991408097481847
GBM	FBXL19	cg08593668	0.135032815379887	153	1.07307763341446	0.287395226472423	0.0182338612294186	0.484896856254787

GBM	FBXL19	cg09011601	-0.103080165411259	153	-0.816000828443177	0.417623719211244	0.0106255205012126	0.613062754805616
GBM	FBXL19	cg11940219	-0.138314682430891	153	-1.09966046964255	0.275731688032111	0.0191309513759582	0.472171320935307
GBM	FBXL19	cg26666512	-0.147955035509425	153	-1.17796367836928	0.243312809998827	0.0218906925325953	0.435914438327317
GBM	FBXL19	cg27602786	-0.123226871847412	153	-0.977741188664134	0.332002097558932	0.0151848619452986	0.531720080238389
GBM	FBXW9	cg02753619	0.0937350574891138	153	0.741334545472953	0.46128945496013	0.00878626100248747	0.650876444036316
GBM	FBXW9	cg03160342	0.130352895008962	153	1.03523267787635	0.304581304105718	0.0169918772372176	0.503112747825722
GBM	FBXW9	cg05868316	-0.142026528815374	436	-1.67940224885052	0.0953528687868916	0.0201715348873443	0.230172462306833
GBM	FBXW9	cg06489804	-0.134130551118507	436	-1.58427387121482	0.115437082606602	0.0179910047433545	0.263584162145524
GBM	FBXW9	cg12110584	-0.101365146174831	153	-0.802282283589504	0.425454260685551	0.0102748928590448	0.620148248127892
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GBM	FBXW9	cg15828427	0.119267399388567	153	0.945863857878389	0.347889862376452	0.0142247125569119	0.547151283862962
GBM	FBXW9	cg19721801	-0.0606620371890557	153	-0.478534645681243	0.633952967010486	0.00367988275592637	0.784452386957224
GBM	FBXW9	cg21564527	-0.0434235457299233	153	-0.342240158003867	0.733327638462816	0.00188560432375874	0.849522379818813
GBM	FBXW9	cg22303873	0.0636520117644799	153	0.502214855905157	0.617295444724605	0.00405157860166548	0.772641118068084
GBM	FKBP1A	cg04613791	0.00176964412365293	436	0.0207131858492753	0.983504587445431	3.13164032437933e-06	0.991408097481847
GBM	FKBP1A	cg07516946	-0.00059933531232429	153	-0.0047191718159848	0.996249811467966	3.59202816598863e-07	0.998170169676088
GBM	FKBP1A	cg10996143	-0.074559820302547	436	-0.875136226284996	0.383031467600819	0.0055591668035481	0.581288069037614
GBM	FKBP1A	cg21332426	0.0223307688892609	153	0.1758765071093	0.860964149424697	0.000498663239185582	0.926144513064961
GBM	FKBP1A	cg21775445	-0.0420960962375936	153	-0.331759075612269	0.741190078240446	0.00177208131844474	0.854392899923449
GBM	FKBP1A	cg24641773	-0.40447394826043	153	-3.48240415915873	0.000916788536020501	0.163599174821381	0.00624196108622255
GBM	FKBP1A	cg26779912	0.229799693275342	153	1.85920062032156	0.0677456595543233	0.0528078990294413	0.180030260277688
GBM	FKBP2	cg03764062	-0.163516262403571	153	-1.30509407023515	0.196683790420383	0.0267375680704335	0.378836286908892
GBM	FKBP2	cg04446112	-0.269334539478786	153	-2.20211785258777	0.0313854076140941	0.0725410941562499	0.102116118775861
GBM	FKBP2	cg06615912	-0.107111104236186	153	-0.848273748246945	0.399548673001055	0.0114727886506951	0.596180939608794
GBM	FKBP2	cg09854726	-0.253297954032063	153	-2.06170579018906	0.0434342586079307	0.0641598535168289	0.130108768353691
GBM	FKBP2	cg10998122	-0.241062632933145	153	-1.95580666808311	0.0549976872195755	0.0581111929966603	0.15463426065246
GBM	FKBP2	cg12423493	-0.296166968661069	153	-2.44155868718775	0.0174912091231974	0.0877148733258863	0.0656872373898151
GBM	FKBP2	cg15010817	-0.272942014925791	153	-2.23397034228681	0.0291009594504198	0.0744973435117507	0.0965564794315032
GBM	FKBP2	cg16977872	-0.0690912884909559	436	-0.810629926769256	0.418984169118448	0.00477360614534049	0.614386911943009
GBM	FKBP2	cg19924313	-0.314709677603475	153	-2.61068042917006	0.0113165386457689	0.0990421811772833	0.0469574785261866
GBM	FKBP2	cg21809711	-0.151482516768026	153	-1.20669992290259	0.232131814943935	0.0229469528863753	0.42275640068706
GBM	FKBP2	cg22074794	-0.234554257171792	153	-1.89988304874952	0.0621017261899309	0.0550156995574114	0.1688564929539
GBM	FKBP2	cg24677501	-0.107857486454344	153	-0.85425410368433	0.396252961594762	0.011633237384249	0.592923694831755
GBM	FKBP5	cg00130530	-0.0514407069064141	153	-0.40558150068526	0.686446382718246	0.0026461463270316	0.819519844282975
GBM	FKBP5	cg00140191	-0.144832160431482	153	-1.15256191106727	0.253514797837248	0.0209763546952506	0.447534042455998
GBM	FKBP5	cg00610228	-0.13701362490421	153	-1.08911765244945	0.280317296126251	0.0187727334093915	0.477537997189011
GBM	FKBP5	cg01294490	-0.258128842877866	153	-2.10380545379076	0.0394585311169134	0.066630499525466	0.121286379142169
GBM	FKBP5	cg07485685	-0.160164289657394	153	-1.27762858911406	0.206143738455064	0.0256525996814577	0.390578094677738
GBM	FKBP5	cg07843056	-0.240149303154396	153	-1.94794215287094	0.0559527815132603	0.0576716878055419	0.156445770946432
GBM	FKBP5	cg08636224	0.159279317163857	436	1.8884250775762	0.0610831769794186	0.0253699008761846	0.166774459338676
GBM	FKBP5	cg08915438	-0.0614517250047613	153	-0.484787587561557	0.629535450401752	0.00377631450606081	0.781407272160917
GBM	FKBP5	cg10913456	-0.23874068959843	153	-1.93582359258496	0.0574521867656943	0.0569971168699338	0.15950589270341
GBM	FKBP5	cg16012111	-0.222654633950198	153	-1.79832704999841	0.0769936485756652	0.0495750860194968	0.197599759082057
GBM	FKBP5	cg17030679	0.0595363188343783	153	0.469622487800062	0.640272271278505	0.00354457326034875	0.788621612917037
GBM	FKBP5	cg20813374	-0.252352176617024	153	-2.05348306527921	0.0442500115448637	0.0636816210433498	0.131968004528316
GBM	FKBP5	cg25114611	-0.0608770558427683	153	-0.48023712628391	0.63274888198091	0.00370601592808353	0.783604008694202
GBM	FMR1	cg02921434	-0.0789423186150538	153	-0.623538386051549	0.535218100362552	0.00623188966832067	0.711702936594779
GBM	FMR1	cg03513471	-0.100359630226996	153	-0.794242468365706	0.430083922619932	0.0100720553792995	0.624099023993565
GBM	FMR1	cg04552106	-0.083715919752052	153	-0.661501907151414	0.510741499475761	0.00700835521993201	0.692944286558586
GBM	FMR1	cg04744025	-0.121807980746418	153	-0.96631246740224	0.337642126971993	0.0148371841735197	0.537085579695327
GBM	FMR1	cg05288927	-0.0777012650474131	153	-0.613675706857633	0.541674721150235	0.00603748658996834	0.716540720929814
GBM	FMR1	cg07147350	-0.170818978538537	437	-2.02920933108969	0.0443738533173508	0.0291791234289491	0.132225822383651
GBM	FMR1	cg08434396	-0.104739512811333	436	-1.23272493489	0.219789595219825	0.0109703655439553	0.407860115703712
GBM	FMR1	cg14470409	-0.0713100624385621	153	-0.562929099761744	0.575513248402751	0.00508512500499163	0.742340495096778
GBM	FMR1	cg16783314	-0.0319859554691519	153	-0.251986602125277	0.801884867207093	0.00102310134727457	0.891900188572964
GBM	FMR1	cg22625568	-0.183389532727335	152	-1.45702877397667	0.150237171504454	0.0336317207139503	0.315922436005338
GBM	FXR2	cg01807919	0.00806693324380752	153	0.0635211627474111	0.949555861795755	6.50754119600469e-05	0.973250971179696

GBM	FXR2	cg01933235	-0.0936030672553762	153	-0.740281423811343	0.461923483109951	0.00876153419961448	0.651452512625592
GBM	FXR2	cg05529097	-0.27595755831077	438	-3.36048878713938	0.00100829437016489	0.0761525739888418	0.00675909110147414
GBM	FXR2	cg05913233	-0.263103688657987	153	-2.14733641284104	0.0356841879491128	0.0692235509854391	0.112447998985663
GBM	FXR2	cg09625173	-0.139103766290162	153	-1.10605745107935	0.272975003357347	0.0193498577961079	0.469268720552924
GBM	FXR2	cg17777561	-0.155612919815061	153	-1.24040786765438	0.21949824297366	0.0242153808133687	0.407476636846016
GBM	FXR2	cg19178740	-0.259771875989155	153	-2.11816228231466	0.0381770320947366	0.0674814275549252	0.118286762576786
GBM	FXR2	cg22521096	-0.155080264159762	153	-1.23605719743148	0.221099851098688	0.0240498883318616	0.409391733713704
GBM	FXR2	cg26904212	0.0225187161307212	438	0.26364166852756	0.79245218191064	0.000507092576176004	0.886204554487517
GBM	G2E3	cg02259031	0.113279901838558	153	0.897745523580091	0.372794279305148	0.0128323361605533	0.57140635544518
GBM	G2E3	cg05076167	-0.355098696482451	153	-2.99097533521291	0.00398589798626335	0.126095084243536	0.0206898610758238
GBM	G2E3	cg07906495	0.0272243216698665	438	0.318770667937654	0.750385900654654	0.000741163690384364	0.860102116999354
GBM	G2E3	cg08810065	-0.0448006396091904	438	-0.52490507479967	0.600497569961726	0.00200709730939256	0.760584629723258
GBM	G2E3	cg09837748	-0.333453713288233	153	-2.7850133002057	0.00708998774977737	0.111191378905711	0.0327276156771009
GBM	G2E3	cg18580322	0.127879514499152	153	1.01525988167954	0.313927634163557	0.0163531702285389	0.513009526891438
GBM	G2E3	cg18755078	-0.102690775221833	153	-0.812885431423065	0.419394312900306	0.0105453953156611	0.614744996095311
GBM	G2E3	cg18956956	-0.206151678417079	153	-1.65887243847642	0.102192487738041	0.0424985145141787	0.241907081482639
GBM	G2E3	cg19554565	-0.00921603329330268	153	-0.0725702006688449	0.942381748300961	8.49352696632635e-05	0.9693328565436
GBM	G2E3	cg21061067	-0.0764685311903311	153	-0.603881986022492	0.54812537458138	0.00584743626240664	0.721332770412827
GBM	G2E3	cg22926526	-0.0493516610781893	153	-0.389069462932298	0.698557837394703	0.00243558645117646	0.827114225505579
GBM	GADD45	cg01810953	-0.0902263029735169	153	-0.713352177296957	0.478304467848328	0.00814078574826887	0.665865281075729
GBM	GADD45	cg02639608	0.0663831369744547	153	0.523856863144488	0.602245776083394	0.00440672087456921	0.761656310425786
GBM	GADD45	cg04718306	-0.0407757011628489	438	-0.477664607350412	0.63365015794198	0.00166265780532196	0.784237825903634
GBM	GADD45	cg07000785	0.00499204338971955	438	0.0584310978885007	0.953490386079424	2.49204972048426e-05	0.975389414011381
GBM	GADD45	cg22224769	0.339151715124065	153	2.8387300028349	0.00611587706792977	0.115023885871595	0.0291281095030322
GBM	GADD45	cg23369529	-0.00949637178052921	153	-0.0747778780252394	0.940632196279561	9.01810769940316e-05	0.968318554824381
GBM	GADD45	cg23723105	-0.0307252591155676	153	-0.242045209551162	0.809543967364709	0.000944041547718767	0.897053819488215
GBM	GATAD2A	cg02887458	0.103053237163197	153	0.815785371218675	0.417746025998015	0.0106199696898141	0.61312787129477
GBM	GATAD2A	cg08505228	-0.11252305447475	153	-0.891670313245242	0.376017204192209	0.0126614377883276	0.574557714938102
GBM	GATAD2A	cg08870822	0.110641559901447	153	0.876574351559842	0.38410167233781	0.0122415547774255	0.582267537664126
GBM	GATAD2A	cg09334331	-0.13467165192782	153	-1.07015445558191	0.288698323727178	0.0181364538329678	0.486222666049367
GBM	GATAD2A	cg11795262	-0.0403876011948669	438	-0.473110768863485	0.636887089832462	0.00163115833027561	0.786316921438351
GBM	GATAD2A	cg14948912	0.0882736419526039	153	0.697791346057807	0.487916427570333	0.0077922358635765	0.674095520466124
GBM	GATAD2A	cg15264323	0.157103390960873	153	1.25258777084372	0.215059868959801	0.0246814754514048	0.40209496841614
GBM	GATAD2A	cg22191731	0.148370198704967	153	1.18134335037792	0.241978039398485	0.0220137158637515	0.434278186938277
GBM	GATAD2A	cg26631329	0.136079599609474	153	1.08155254134002	0.283640278351494	0.0185176574298746	0.480876777537291
GBM	GATAD2E	cg02134200	0.0997518193591518	153	0.789383781941105	0.432896226279559	0.00995042546546086	0.626590425839914
GBM	GATAD2E	cg02940454	0.0311202443602853	153	0.24515979279527	0.80714236468745	0.00096846960904387	0.895543137413185
GBM	GATAD2E	cg09805553	-0.112177905926456	153	-0.888900329955446	0.377492523019695	0.0125838825780448	0.576065230801408
GBM	GATAD2E	cg10226922	-0.117407881810397	152	-0.930908959262911	0.355511383972906	0.0137846107112041	0.554330405772234
GBM	GATAD2E	cg10489353	-0.08718415602822	153	-0.689112726333103	0.493323264123513	0.00760107706235301	0.678660807604459
GBM	GATAD2E	cg15064304	-0.0903196993467332	153	-0.714096662970685	0.477847269085442	0.00815764809008428	0.665466970717188
GBM	GATAD2E	cg20773694	-0.0200115959902984	153	-0.157603024725967	0.875281779978973	0.000400463974078928	0.933965253774507
GBM	GATAD2E	cg23046518	-0.124598851773024	153	-0.98879784459171	0.32660536713042	0.0155248738631559	0.52607693915862
GBM	GATAD2E	cg23323627	-0.0277055872893007	153	-0.218237788165563	0.827960579073568	0.000767599567045061	0.907499826449548
GBM	GATAD2E	cg26398333	-0.0116845579253507	153	-0.0920105823744792	0.926986285611631	0.000136528893910876	0.961483612813065
GBM	GLYR1	cg00636946	-0.0974362148429142	151	-0.770881553348627	0.443705004991839	0.00949381596291452	0.635788384047726
GBM	GLYR1	cg00885266	-0.0238574693448138	153	-0.187907385540839	0.851562900637337	0.000569178843538728	0.920863367754122
GBM	GLYR1	cg01261535	-0.231772945044501	438	-2.78877125550638	0.00604419531957402	0.0537186980546013	0.0288361419533264
GBM	GLYR1	cg01565912	-0.132090476051192	153	-1.04927555367634	0.298124304846973	0.0174478938634306	0.496325162028451
GBM	GLYR1	cg02454264	0.313436556563316	153	2.59896603969725	0.0116698727637772	0.0982424749902691	0.0480952575643825
GBM	GLYR1	cg06399529	-0.278677612938409	153	-2.28482367481739	0.0257569566474683	0.0776612119530496	0.0880995728734238
GBM	GLYR1	cg06976003	-0.516178715933476	153	-4.74545932135184	1.26659893305473e-05	0.266440466782732	0.000161126439034458
GBM	GLYR1	cg11289281	-0.0672566158555526	153	-0.530780964693114	0.597466810045966	0.00452345237634137	0.758313886099813
GBM	GLYR1	cg15663121	-0.0131368100698655	438	-0.153775689204084	0.878012888101326	0.000172575778811719	0.935265374673582
GBM	GLYR1	cg18354686	-0.0235075457472408	153	-0.185149764697605	0.853715922696563	0.000552604707058617	0.921972173385294
GBM	GTF2B	cg02705666	-0.119863980562274	438	-1.41316035175775	0.159876567971738	0.0143673738362332	0.329625721636632
GBM	GTF2B	cg04270788	-0.0714069651763456	438	-0.837936128282112	0.403526073525231	0.00509895467569583	0.59996703237048

GBM	GTF2B	cg05306856	-0.0649107030719353	153	-0.512187551442157	0.61033952076424	0.00421339937329295	0.76760140775888
GBM	GTF2B	cg06356032	0.197705026380248	153	1.58807701185054	0.117356061515795	0.0390872774560144	0.266682171220418
GBM	GTF2B	cg07167781	-0.0666256853930397	153	-0.525779432015411	0.600917063712454	0.00443898195409231	0.760837737607328
GBM	GTF2B	cg10430205	-0.304807055939985	153	-2.51996805233053	0.0143261591341257	0.0929073413508012	0.0563470966014549
GBM	GTF2B	cg12074130	-0.0815153352372374	153	-0.643995552320607	0.521953640449809	0.00664474987883919	0.701814153951163
GBM	GTF2B	cg13868361	-0.205224980218446	153	-1.65108678228069	0.103777762902083	0.0421172925056615	0.244600596473509
GBM	GTF2B	cg14010405	-0.307150179091324	153	-2.54134905571814	0.0135579486019313	0.0943412325158326	0.0540469922387212
GBM	GTF2B	cg17811845	-0.155114094444982	153	-1.23633348642168	0.220997886607975	0.0240603822954867	0.409253007469371
GBM	GTF2B	cg22607980	0.0892800764262267	153	0.705810637064676	0.482949608227876	0.00797093204667289	0.669910343998705
GBM	GTF2H1	cg05849260	-0.191993646027924	153	-1.54041714125412	0.128547409000714	0.0368615601150959	0.283875980014511
GBM	GTF2H1	cg07583091	-0.246352807391438	153	-2.00146877727456	0.0497231944556941	0.0606897057096431	0.143710342031809
GBM	GTF2H1	cg08690812	-0.221092920603823	153	-1.78506279848379	0.0791428819013571	0.0488820795411286	0.201440955196773
GBM	GTF2H1	cg10797557	-0.0509788326155905	153	-0.401930345799486	0.689117519723719	0.00259884137484839	0.821244651021585
GBM	GTF2H1	cg11063328	-0.00584901334010696	153	-0.0460559649112592	0.963413669847938	3.42109570527492e-05	0.980761116911598
GBM	GTF2H1	cg11176342	0.235732337333107	153	1.90998545098089	0.0607636336698903	0.0555697348645297	0.166175364815693
GBM	GTF2H1	cg11347316	0.137868446754258	153	1.09604385161477	0.277298796936313	0.0190077086104318	0.474082645295114
GBM	GTF2H1	cg11662851	0.417145431781758	153	3.61406553718847	0.000605481473029347	0.174010311256389	0.00440666345896202
GBM	GTF2H1	cg13777411	0.0102764884938048	438	0.12028956578657	0.904429999655742	0.000105606215763302	0.949357680480391
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GBM	GTF2H1	cg18321761	0.0905876794987242	153	0.716232904795791	0.476536733958863	0.00820612767696357	0.664280779739336
GBM	H2AFZ	cg02758870	-0.131632465557777	153	-1.04557303017479	0.299817587513237	0.0173271059888195	0.498095033825873
GBM	H2AFZ	cg09308803	-0.044881907835267	153	-0.353756976797656	0.724721187670102	0.0020143856509334	0.844052564908
GBM	H2AFZ	cg16267491	-0.0400618178450322	438	-0.469288298929612	0.639609576985912	0.00160494924904854	0.788267151942114
GBM	H2AFZ	cg17709884	-0.0378204798619448	438	-0.442994307666287	0.658468556304259	0.00143038869698777	0.801245718734385
GBM	H2AFZ	cg20934652	-0.165508039545605	153	-1.32143627308949	0.191211701681926	0.0273929111542294	0.371680898987204
GBM	H2AFZ	cg23752380	0.0568028028012297	153	0.44798903183725	0.655722662812423	0.00322655840607539	0.79923815376427
GBM	H2AFZ	cg24061702	-0.0772944664771927	153	-0.610443496820271	0.543799325376584	0.00597443454799386	0.718069129890111
GBM	H3F3A	cg06319713	0.12427167368168	153	0.986160626861176	0.327887256580639	0.015443448879646	0.527407803640985
GBM	H3F3A	cg10632229	0.12652176328951	153	1.00430411727964	0.319135673756835	0.0160077565858869	0.518532981144953
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GBM	HAT1	cg01583365	-0.209262548934692	153	-1.68504265893253	0.0970079994973064	0.0437908143866442	0.232956947457739
GBM	HAT1	cg04507121	0.0869693530008551	153	0.687401944880225	0.49439295773896	0.00756366836138734	0.679523992589059
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GBM	HAT1	cg09545452	-0.26032505404921	153	-2.1230003844058	0.037753421672888	0.067769133765724	0.117360440494292
GBM	HAT1	cg10190161	-0.13864108470216	153	-1.10230630295187	0.274589154758077	0.0192213503673915	0.47103392955347
GBM	HAT1	cg12941622	-0.210888008429134	153	-1.69873806897807	0.0943819143239322	0.0444737520992066	0.22849152433298
GBM	HAT1	cg13293756	0.00456098968112898	153	0.0359136422134882	0.971466598552847	2.08026268713651e-05	0.984886394138455
GBM	HAT1	cg14446129	0.180419302102309	153	1.444324676303	0.153682467775226	0.0325511245710841	0.320970399266713
GBM	HAT1	cg16017358	-0.0596328048972961	438	-0.699228446548567	0.485594715095477	0.00355607141991898	0.672161833503809
GBM	HAT1	cg24611092	0.216594478875402	288	1.89558200603451	0.0619741209978943	0.046913168279307	0.168585732180928
GBM	HDAC1	cg03762702	-0.0579702426310628	153	-0.457227060449294	0.649105976164621	0.00336054903070429	0.794720653285341
GBM	HDAC1	cg04967775	-0.0897506164693664	153	-0.709560656101194	0.480636687688832	0.00805517315663131	0.667881010325539

GBM	HDAC1	cg06473843	-0.049380599691176	153	-0.389298161301267	0.69838954197729	0.00243844362586017	0.827036610119515
GBM	HDAC1	cg10842753	-0.165982420421008	153	-1.32533093275527	0.189924689983389	0.0275501638888162	0.369970621185899
GBM	HDAC1	cg14172124	-0.0196651746135697	153	-0.154873688953056	0.877423983324999	0.000386719092582188	0.935004633903042
GBM	HDAC1	cg20002354	-0.208251415078387	153	-1.67653066630767	0.0986701178587208	0.0433686518821505	0.235886954605095
GBM	HDAC1	cg20793809	0.0909860392657134	153	0.719408776293149	0.474592143227522	0.00827845934126195	0.662507314860488
GBM	HDAC1	cg21930229	-0.104318256676114	153	-0.825908961423039	0.412022634295969	0.0108822986759436	0.607683782891985
GBM	HDAC1	cg23018091	-0.263537754494735	153	-2.15114324171925	0.0353696280602072	0.0694521480441272	0.111697038455621
GBM	HDAC1	cg26115470	-0.104207619862187	153	-0.82502340559472	0.412521375969414	0.010859228037342	0.608188756437187
GBM	HDAC10	cg00711351	-0.0544702066996095	153	-0.429536527984712	0.669021914661061	0.00296700341789818	0.808053079991035
GBM	HDAC10	cg01120165	-0.0493884025124264	438	-0.578782749036148	0.563686112110713	0.00243921430272944	0.733534022608199
GBM	HDAC10	cg04321608	0.099049330557878	153	0.783769375607457	0.436159494155416	0.00981076988396378	0.629253211830541
GBM	HDAC10	cg04586023	-0.0579988557413554	438	-0.680003886478264	0.497649460428933	0.00336386726730655	0.682019362262597
GBM	HDAC10	cg07482373	-0.2569887090789	153	-2.09385446557345	0.0403685626569508	0.0660431965940395	0.123226680923478
GBM	HDAC10	cg07744063	-0.0492371714861074	153	-0.388164675116023	0.699223804815264	0.00242429905595235	0.827476243451025
GBM	HDAC10	cg09151829	-0.144578634369507	153	-1.1505012609111	0.254355595084407	0.0209029815161515	0.44849926707306
GBM	HDAC10	cg10508940	-0.122447431359926	153	-0.971462291973326	0.335092946430608	0.0149933734466438	0.534677893028873
GBM	HDAC10	cg11645658	-0.251963678276358	153	-2.05010722786497	0.0445887344206195	0.0634856951705523	0.132688241355584
GBM	HDAC10	cg12464820	-0.0217304848064112	153	-0.171146422109021	0.864665976959783	0.000472213969921667	0.92814732775989
GBM	HDAC10	cg26943378	-0.0446281348039187	153	-0.351752747207061	0.726216414626914	0.00199167041607674	0.844933110859837
GBM	HDAC11	cg01409735	0.0913292973188228	153	0.722145635786577	0.472919947331987	0.00834104054874993	0.661007121756884
GBM	HDAC11	cg01712016	0.0207767806355515	438	0.243238488057097	0.808184475934756	0.000431674613577829	0.89616996395458
GBM	HDAC11	cg02762546	-0.148642340551414	153	-1.18355909109807	0.241105821702364	0.0220945454046027	0.433308472366381
GBM	HDAC11	cg02941903	-0.225781725401167	153	-1.82493059429267	0.0728297398813358	0.0509773875251279	0.189809522650188
GBM	HDAC11	cg05987698	-0.0449490237637814	153	-0.354287051396275	0.724325912543932	0.00202041473731698	0.84385992670186
GBM	HDAC11	cg07450135	-0.0199990853871459	153	-0.157504456971913	0.875359127728371	0.000399963416322355	0.934009353886364
GBM	HDAC11	cg08051076	-0.0428840941130009	153	-0.337980618604793	0.73651955418787	0.00183904552789272	0.851419506246334
GBM	HDAC11	cg08448040	0.0556039865294999	438	0.651836431277645	0.515598746050867	0.00309180331797281	0.696895004000993
GBM	HDAC11	cg10061496	-0.143844180680477	285	-1.24192076036155	0.218241085339808	0.0206911483156377	0.405877288857877
GBM	HDAC11	cg10455785	-0.129167262087936	153	-1.02565614423169	0.309038809039358	0.0166841815952936	0.507662333137821
GBM	HDAC11	cg11432034	0.122577389550447	153	0.972509062052658	0.334576348726007	0.0150252164290021	0.534167155697971
GBM	HDAC11	cg13397067	-0.187511179988527	153	-1.50312625675042	0.137883356761858	0.0351604426206898	0.298098611246509
GBM	HDAC11	cg13706066	0.0299221016737907	153	0.23571240826678	0.814432730103699	0.000895332168576667	0.900137522634679
GBM	HDAC11	cg16254764	0.036862504091283	438	0.43175799399143	0.666596032959992	0.00135884420787986	0.806517067394769
GBM	HDAC11	cg18521047	-0.143568467636167	153	-1.14229295788081	0.257724508783065	0.0206119048993972	0.452235765693818
GBM	HDAC11	cg19779799	0.445021059654239	153	3.9129208965968	0.000229144568366266	0.198043743535782	0.00194501609945284
GBM	HDAC11	cg20894727	-0.0500798413473879	153	-0.394824483949353	0.694327446010171	0.00250799050937954	0.824807562306649
GBM	HDAC11	cg20922324	-0.0163733404949081	153	-0.128941096808741	0.89782163273941	0.000268086278962197	0.945971605573538
GBM	HDAC11	cg21655280	-0.215497712543438	153	-1.73765810056199	0.0872362179634855	0.0464392641114543	0.215978894205367
GBM	HDAC11	cg25127083	0.0243274177701485	153	0.19161098738725	0.848673085689151	0.000591823255363337	0.919265859483457
GBM	HDAC11	cg25150878	0.104385591688846	153	0.826447937460866	0.411719264442189	0.0108963517522305	0.607373585186554
GBM	HDAC11	cg27025856	0.0472016476541293	438	0.553097614169675	0.581097994131523	0.0022799554126457	0.746736551512566
GBM	HDAC2	cg00161229	-0.200254910820743	153	-1.60940921264461	0.112607362507462	0.0401020293078238	0.259328090048673
GBM	HDAC2	cg01129566	-0.047610696461488	153	-0.375312615424651	0.708708924440656	0.00226677841754794	0.834013585271176
GBM	HDAC2	cg08198132	-0.4366269433959	153	-3.82152175565737	0.000309752115136803	0.190643087699246	0.00250982773096057
GBM	HDAC2	cg10999867	0.239179936661625	153	1.93960112044016	0.0569811712385589	0.0572070421014591	0.158585905671596
GBM	HDAC2	cg13393754	-0.33267753694983	153	-2.77772284987003	0.00723267617363535	0.110674343591006	0.0332515557596289
GBM	HDAC2	cg15005908	-0.326748439141212	153	-2.72223986285564	0.00840810114155481	0.106764542481218	0.0373323337826674
GBM	HDAC2	cg15242771	-0.261840010346361	153	-2.13626171088112	0.0366132326039809	0.0685601910181824	0.114711958226445
GBM	HDAC2	cg18387216	-0.101848278941787	438	-1.19833495059136	0.23285553295107	0.0103730719234041	0.42359843163398
GBM	HDAC2	cg18674783	0.216736119153225	153	1.74813467448305	0.0853909903890895	0.0469745453456011	0.212722771433612
GBM	HDAC2	cg22867643	-0.273682100687676	153	-2.24051751398422	0.0286499834982888	0.0749018922368192	0.0953740774644133
GBM	HDAC2	cg24023618	0.0805448187398687	153	0.636277811182064	0.526937425790691	0.00648746782583831	0.705564125061723
GBM	HDAC3	cg01947930	0.0329437058978336	153	0.259539875596671	0.796078599795578	0.00108528775828295	0.888320307999558
GBM	HDAC3	cg01961137	-0.0286287436262329	153	-0.225515388445743	0.822320072273952	0.000819604961616571	0.90456254439954
GBM	HDAC3	cg04284814	-0.126940813924674	438	-1.49792188224443	0.136454097550548	0.0161139702398588	0.295946640967056
GBM	HDAC3	cg08520975	0.0321269601467227	153	0.253098587671119	0.801029361787359	0.00103214156826911	0.891390574493362
GBM	HDAC3	cg10414058	-0.0528485499339896	438	-0.619442063859538	0.536653972939693	0.00279296923012539	0.712732688545592

GBM	HDAC3	cg11064797	-0.132067024284975	437	-1.55946456708301	0.121193552991539	0.0174416989034882	0.272536603498404
GBM	HDAC3	cg11153694	-0.169310436484232	153	-1.35268067027553	0.181070381124294	0.028666023902481	0.358327951627575
GBM	HDAC3	cg12082871	-0.319353090638029	153	-2.65353921685179	0.0101051852192083	0.101986396500061	0.0429810157978725
GBM	HDAC3	cg14098966	0.0455234856016804	153	0.358824288442703	0.720945597347902	0.0020723877413264	0.841902278313238
GBM	HDAC3	cg17940889	-0.276071945249926	153	-2.26168874109254	0.0272336081362275	0.0762157189540779	0.0918380212124358
GBM	HDAC3	cg18671773	-0.158682217415803	153	-1.26549927371097	0.210427613178481	0.0251800461239962	0.396090051528146
GBM	HDAC3	cg19549288	-0.230240481921969	153	-1.86296626085435	0.0672056969652153	0.0530106795156605	0.178949243549162
GBM	HDAC3	cg20642138	-0.0723455381730618	153	-0.571145951867742	0.569965316601884	0.00523387689354994	0.738083041992942
GBM	HDAC3	cg23421926	-0.175102722584813	153	-1.40039609854939	0.166379510164533	0.0306609634566139	0.33878622205836
GBM	HDAC3	cg24385322	-0.153247426670349	438	-1.8151560372662	0.0716872130836772	0.023484773781084	0.187601677082503
GBM	HDAC6	cg07153944	0.0352061665457323	153	0.277385592033444	0.782406851497447	0.00123947416284584	0.879807992740259
GBM	HDAC6	cg07674520	-0.0140762430096546	153	-0.110847430527711	0.912095386762233	0.000198140617266849	0.953306398110749
GBM	HDAC6	cg10783042	0.0839861543888782	438	0.986518179835718	0.325617984703259	0.00705367412903248	0.525030064086997
GBM	HDAC6	cg12510923	0.0560464962251229	153	0.4384262650106	0.662626131719782	0.00314120973911271	0.803829677739013
GBM	HDAC6	cg13178935	0.0911676869734007	153	0.72085705455014	0.473706844480166	0.00831154714807998	0.661661100026823
GBM	HDAC6	cg17152375	0.0762718575945521	153	0.602319728943369	0.549157943144747	0.00581739626092363	0.722166320621439
GBM	HDAC6	cg24616736	0.0192101621733673	438	0.224890683046096	0.822399407251566	0.000369030330727071	0.904584759843209
GBM	HDAC6	cg26680189	0.0873787515972122	153	0.690662650716439	0.492355246231462	0.00763504623068731	0.677856544116987
GBM	HDAC9	cg00332048	-0.278045138807638	153	-2.2792031285194	0.0261090288146292	0.0773090992145588	0.0890180912304538
GBM	HDAC9	cg02301805	-0.00887505206487294	153	-0.0698849821947163	0.944510127732262	7.87665491542054e-05	0.970330013006246
GBM	HDAC9	cg03260621	0.322021715400085	153	2.67826665718912	0.00946129460875474	0.103697985189213	0.0407954746033403
GBM	HDAC9	cg07513622	0.0809006707757304	153	0.639107404992349	0.525107310869044	0.00654491853196313	0.70413165804958
GBM	HDAC9	cg08146609	-0.211180029149137	153	-1.70120006636296	0.0939160738228668	0.0445970047114304	0.227682602978469
GBM	HDAC9	cg08285151	-0.321745426523808	438	-3.97742860024052	0.00011233176086529	0.103520119488987	0.00106530988720643
GBM	HDAC9	cg08725366	0.284971402957165	153	2.34093140638268	0.0224664815453364	0.0812087005033749	0.0794543558366096
GBM	HDAC9	cg10068437	0.00798736564752825	153	0.0628945863079717	0.950052776083889	6.37980099873144e-05	0.973567880691169
GBM	HDAC9	cg11321459	-0.25571005460116	153	-2.08270561444169	0.0414097408425946	0.0653876320241283	0.125528168145143
GBM	HDAC9	cg11765288	-0.252473526185067	153	-2.05453774371643	0.0441446448511388	0.0637428814243216	0.131724464023225
GBM	HDAC9	cg12081743	-0.28570018180224	438	-3.48947971366576	0.000651334375953246	0.0816245938818327	0.00469165800397285
GBM	HDAC9	cg16475478	-0.324316212264426	153	-2.69958438089956	0.008936515944034	0.105181005537544	0.0391313363362704
GBM	HDAC9	cg18856632	0.0663593573861784	153	0.523668378398521	0.602376113307369	0.00440356431270655	0.761748375361917
GBM	HDAC9	cg19585556	-0.255381263391655	153	-2.07984070970957	0.0416810239186141	0.0652195896915177	0.126150462994575
GBM	HDAC9	cg20648975	0.0673638757662083	153	0.531631302423344	0.596881132261469	0.00453789175824514	0.757918194879744
GBM	HDAC9	cg21433125	-0.30319194394197	153	-2.50525955659805	0.0148772358252931	0.0919253548713108	0.0580042942812033
GBM	HDAC9	cg23074799	0.0805095996048419	153	0.635997775968421	0.527118727194172	0.00648179562853195	0.705734003327484
GBM	HDAC9	cg23385718	0.0359158458791468	153	0.282984229620123	0.778131616924882	0.00128994798521462	0.87727849927617
GBM	HDAC9	cg24350771	-0.227501858366589	153	-1.83958979848376	0.0706171151887289	0.0517570955602516	0.185550304285878
GBM	HDAC9	cg25620356	-0.23059279304453	153	-1.86597691182722	0.066776607923037	0.0531730362040774	0.178075532591689
GBM	HDGF	cg00692559	-0.306751964232404	153	-2.53771176108234	0.0136859456570783	0.0940967675604381	0.0544261556306487
GBM	HDGF	cg00746981	0.0133091395734097	437	0.155793283468845	0.876425287182692	0.000177133196184501	0.934582934095793
GBM	HDGF	cg01910231	-0.161536977083793	153	-1.28887060510363	0.202231493862322	0.0260941949653699	0.385730320049171
GBM	HDGF	cg02914429	-0.00415006769995034	153	-0.0326779471554563	0.974036383715919	1.72230619141711e-05	0.986465403984912
GBM	HDGF	cg04402095	-0.146702102438659	153	-1.16776792000967	0.247371620398608	0.0215215068599227	0.440639223810615
GBM	HDGF	cg05762852	-0.219419672330226	153	-1.77086725481135	0.0814981450996308	0.048144992605504	0.205686046583204
GBM	HDGF	cg05967123	-0.0918873689375692	153	-0.726595797810519	0.470208044811976	0.00844328857026896	0.658790898480016
GBM	HDGF	cg06106793	-0.125948142687107	438	-1.48601863854214	0.139571814063264	0.0158629346463318	0.300671513713933
GBM	HDGF	cg06119628	-0.383433861890188	153	-3.26901770658575	0.00176308488275091	0.147021526444024	0.0107288349005573
GBM	HDGF	cg07313589	-0.114407966459536	153	-0.906803434808928	0.368021677500487	0.0130891827894062	0.566906649866148
GBM	HDGF	cg07892339	-0.0669536562777526	153	-0.528379254129054	0.599122453345976	0.00448279208895945	0.759424048614161
GBM	HDGF	cg08597205	-0.0516678795248612	153	-0.407377414816307	0.685133983369709	0.00266956977459557	0.818817892895752
GBM	HDGF	cg08708935	-0.103836990654012	153	-0.822057051951042	0.414194683471595	0.0107821206280814	0.609782728544135
GBM	HDGF	cg09063372	-0.129607947625562	153	-1.0292151022208	0.307377121048624	0.0167982200877103	0.505894085828521
GBM	HDGF	cg09477492	0.00141229963736726	153	0.0111204695554895	0.991163038152588	1.99459026570768e-06	0.99526328916156
GBM	HDGF	cg11588596	0.210797140632659	153	1.69797206884201	0.0945272374431309	0.0444354344989052	0.228757914193086
GBM	HDGF	cg12220178	-0.256497665319975	153	-2.08957156589345	0.040765817322235	0.065791052314598	0.124054764229618
GBM	HDGF	cg12421458	0.0871273814524362	434	1.02369277431106	0.307784601854833	0.00759118059875833	0.506318361528756
GBM	HDGF	cg13170934	-0.324268024190434	153	-2.69913612992244	0.00894727087806597	0.105149751512368	0.0391718155601477

GBM	HDGF	cg13235992	-0.267731895567267	153	-2.18799935732728	0.0324474111290005	0.071680367904042	0.104656656634581
GBM	HDGF	cg14155849	-0.0155249451396077	153	-0.122258274745179	0.903089898479559	0.000241023921587828	0.9487580550509675
GBM	HDGF	cg15503799	0.0577222206730437	438	0.676749627556171	0.499705865898092	0.00333185475942755	0.68380195660018
GBM	HDGF	cg17170583	-0.0162516264132103	153	-0.12798233650973	0.89857717403933	0.000264115361074555	0.946361149611671
GBM	HDGF	cg17218029	-0.414187912303413	153	-3.58311329364696	0.000668011692153245	0.17155162669826	0.00479182126135266
GBM	HDGF	cg17971171	0.0697046977615035	153	0.550193591717287	0.584163422460704	0.00485874489002255	0.748880532183299
GBM	HDGF	cg18593717	-0.358520765530636	153	-3.02402737374921	0.00362570545137893	0.128537139316673	0.0191589546178897
GBM	HDGF	cg19599803	-0.057259734264376	153	-0.451604539031928	0.653129740719203	0.00327867716802695	0.797417623168644
GBM	HDGF	cg20284773	0.0318045343373332	153	0.250555908072391	0.80298592868044	0.00101152840441461	0.892583944213276
GBM	HDGF	cg23747104	0.0687332037983821	153	0.542488732039071	0.589426618647441	0.00472425330438993	0.752642635773563
GBM	HDGF	cg26431298	-0.177556313948028	153	-1.420653079716	0.160427443865195	0.0315262446228105	0.330315024430271
GBM	HDGFL1	cg02685945	0.0635982664349678	153	0.501789081975107	0.61759321111264	0.00404473949353316	0.772863799211948
GBM	HDGFL1	cg03930485	0.0467537235566909	153	0.368542207958666	0.713724428374833	0.00218591066641548	0.837099906562474
GBM	HDGFL1	cg05276066	0.0574806285364773	153	0.45335248479567	0.651877706534333	0.00330402265694848	0.796534638616088
GBM	HDGFL1	cg06566039	0.0950038156794777	153	0.751459713898145	0.455219106799482	0.00902572499366018	0.645523008125881
GBM	HDGFL1	cg08671671	0.102448487068432	153	0.810947145480925	0.420498189667971	0.0104956925026107	0.615714046020382
GBM	HDGFL1	cg09081892	0.101107522109691	153	0.800222160266375	0.426637717364287	0.0102227310271616	0.621174357326916
GBM	HDGFL1	cg11894257	-0.0467507431416785	153	-0.368518662993725	0.713741892720376	0.0021856319842992	0.837099906562474
GBM	HDGFL1	cg15317945	0.104452964807997	153	0.826987230017676	0.411415852335812	0.0109104218571806	0.607226318900587
GBM	HDGFL1	cg20209681	-0.0963103615508345	153	-0.761890304916172	0.449014098938037	0.00927568574205246	0.640247128061616
GBM	HDGFL1	cg21898884	0.0714302321214912	153	0.563882592715671	0.57486812149816	0.00510227806093011	0.741934299097107
GBM	HIST1H1	cg00667898	0.234327267727861	153	1.897393756357122	0.0623622588998869	0.0549092684008049	0.169333781646783
GBM	HIST1H1	cg00700007	0.370924985995486	153	3.14502331854584	0.00254997147119176	0.137585345235752	0.0144723484810602
GBM	HIST1H1	cg03821311	-0.0374560762117623	438	-0.438719992692458	0.661555525020171	0.00140295764518135	0.803050694173131
GBM	HIST1H1	cg04676561	0.205659455024898	437	2.45976303556269	0.0151482254792045	0.0422958114411382	0.0588279279617231
GBM	HIST1H1	cg07138603	0.382981428621883	153	3.2644969527755	0.00178722462036834	0.146674774669258	0.0108434996191651
GBM	HIST1H1	cg11206041	0.341691658168223	153	2.86278796061499	0.00572096947683094	0.11675318926175	0.0276130952650441
GBM	HIST1H1	cg14334286	0.267901609244565	153	2.18949352136623	0.0323335462007962	0.0717712722358276	0.104371613823433
GBM	HIST1H1	cg18798248	0.418493007719668	153	3.62821471660128	0.000578792820529768	0.175136397510254	0.00424443933857389
GBM	HIST1H1	cg23460835	0.337442055926502	153	2.82257592326782	0.00639499452555871	0.113867141107905	0.0301492154488404
GBM	HIST1H1	cg00903962	0.0761212786936476	153	0.601123668278864	0.549949139219012	0.00579444906995597	0.722723871617849
GBM	HIST1H1	cg04290376	0.035421481800179	153	0.279084162405949	0.781109069967195	0.00125468137292041	0.879089717158936
GBM	HIST1H1	cg07750111	0.0892324785576805	438	1.04862252189642	0.296198271360541	0.0079624352295469	0.494155014416082
GBM	HIST1H1	cg08283682	-0.145741858250353	153	-1.1599578120789	0.250513415226701	0.021240689246266	0.44419110690035
GBM	HIST1H1	cg10717387	0.0791757040989251	153	0.625393429944668	0.534008147207761	0.00626879211956054	0.710937052287159
GBM	HIST1H1	cg12633985	-0.0844942595406159	153	-0.667696169105346	0.506805414120012	0.00713927989531696	0.689683035126688
GBM	HIST1H1	cg15022984	0.104018715466912	153	0.823511454319702	0.413373747871661	0.0108198931673865	0.608972245004033
GBM	HIST1H1	cg16481032	0.0355592823571735	153	0.28017125833807	0.780278808826287	0.00126446256175719	0.878657132119898
GBM	HIST1H1	cg16482183	0.065482663624748	153	0.51672004155123	0.607189944659012	0.0042879792353919	0.765322983713597
GBM	HIST1H1	cg17691542	0.0117427122703501	153	0.0924685844050434	0.926623893145521	0.000137891291464231	0.961321948533324
GBM	HIST1H1	cg20855557	0.0774420610810094	153	0.611616171301112	0.543028009477871	0.00599727282447478	0.717500118269415
GBM	HIST1H1	cg21453677	0.247472198568247	288	2.18228332563512	0.0323069231653269	0.061242489064202	0.104320304695478
GBM	HIST1H1	cg23407813	0.0609538453747278	153	0.480845148798744	0.632319097335479	0.00371537126596622	0.783240428286673
GBM	HIST1H3	cg00958605	0.0610586424464148	153	0.48167494993788	0.631732752295883	0.00372815781739913	0.782813280218316
GBM	HIST1H3	cg01043409	0.170465301363022	153	1.36218246419766	0.178068821368387	0.029058418968786	0.354648448822601
GBM	HIST1H3	cg08041469	-0.090918236179067	153	-0.718868200444511	0.474922823039361	0.00826612566991261	0.662734915970511
GBM	HIST1H3	cg08401836	-0.0359783126339693	153	-0.283477048255874	0.777755617581636	0.00129443897998763	0.877096103592853
GBM	HIST1H3	cg10075390	-0.03011557417255	153	-0.2372378737535	0.813254424285919	0.000906947807742358	0.899423059406693
GBM	HIST1H3	cg15479139	-0.0118899501717134	153	-0.0936281796583177	0.925706437445783	0.000141370915085828	0.960884275555555
GBM	HIST1H3	cg15797414	0.0696129620926201	438	0.816780278725732	0.415472043624763	0.00484596449130856	0.611102895854506
GBM	HIST1H3	cg21209604	-0.0208616323517042	153	-0.164300413695772	0.870029125479826	0.000435207704377672	0.931067843117418
GBM	HIST1H3	cg23099349	0.0942530244470625	438	1.10813648599188	0.269744530988781	0.00888363261741857	0.465796254480122
GBM	HIST1H3	cg25701114	-0.0862693642738834	153	-0.681827609974724	0.497887197964946	0.00744240321221998	0.682188856024182
GBM	HLTF	cg00906762	-0.208512567657748	153	-1.67872857832946	0.0982387214409252	0.0434774908712267	0.235070686714507
GBM	HLTF	cg02059813	0.0137630989415543	438	0.161108202465952	0.872245515298942	0.000189422892475013	0.932275176710341
GBM	HLTF	cg02398045	-0.174635577179453	153	-1.39654238479466	0.167530858741928	0.0304975848168007	0.340355573617714
GBM	HLTF	cg02611507	-0.301903248539416	153	-2.49354073325703	0.0153299144659307	0.0911455714786521	0.0593793749234522

GBM	HLTF	cg02710346	-0.077043628911151	153	-0.608450624848719	0.545111397992307	0.00593572075579915	0.719118129479626
GBM	HLTF	cg03678609	-0.347858452200519	153	-2.92149620729969	0.00485407554338539	0.121005502767341	0.0242016248684306
GBM	HLTF	cg04120413	-0.31275696218027	153	-2.59271924509787	0.0118623619638806	0.0978169173922311	0.048716756165553
GBM	HLTF	cg04731810	-0.286173714941038	153	-2.35168691772115	0.0218802749586734	0.0818953951231543	0.0779517361300163
GBM	HLTF	cg04836786	-0.12996537900699	369	-1.47133685691591	0.143693173769618	0.0168909997404305	0.306713130665468
GBM	HLTF	cg05555455	-0.362595485756655	153	-3.06356569172818	0.00323469656351253	0.131475486291105	0.017509044284852
GBM	HLTF	cg07275648	0.047382794249767	153	0.373512021992595	0.71004154896839	0.00224512919091575	0.834874584511456
GBM	HLTF	cg09352720	0.0284019680959173	153	0.223727575992304	0.823704857895043	0.000806671791721504	0.905100366042642
GBM	HLTF	cg09392355	0.0671704914427574	153	0.530098198859766	0.597937264775266	0.00451187492066154	0.758623111616501
GBM	HLTF	cg15438497	-0.401500925105096	153	-3.45186624387082	0.0010081615673044	0.161202992860248	0.00675878558812982
GBM	HLTF	cg16724124	0.123477719402932	153	0.97976231800211	0.33101120407715	0.0152467471889491	0.530675207611857
GBM	HLTF	cg20117402	-0.168680189524674	153	-1.34749765767488	0.182723801031465	0.0284530063380799	0.360589923579863
GBM	HLTF	cg21089667	-0.0466092230255248	438	-0.546140514316669	0.585857622487918	0.00217241967104312	0.750200946204653
GBM	HLTF	cg21111416	-0.212802565580808	153	-1.71488821504207	0.0913604326102535	0.0452849319177742	0.223233038962311
GBM	HLTF	cg21835021	-0.00936302399855726	153	-0.0737277564768333	0.941464366186499	8.76662183975592e-05	0.968761129376372
GBM	HLTF	cg21926402	-0.153469167959309	153	-1.22290465431205	0.225993833244121	0.0235527855141226	0.415419396124694
GBM	HLTF	cg24041269	-0.123821386167252	153	-0.982531620145882	0.329656691029668	0.0153317356723797	0.529297342141492
GBM	HLTF	cg24710191	0.227302488939459	151	1.82300787446124	0.073203393773896	0.051666421748073	0.190524751262846
GBM	HLTF	cg25951608	0.0247364236861757	153	0.194834412679498	0.84615963193407	0.000611890656781996	0.917827158846046
GBM	HLTF	cg26151310	-0.0121870356305487	438	-0.142656189172538	0.88677131078821	0.000148523837460263	0.939869580668101
GBM	HLTF	cg27554556	-0.10846030417536	153	-0.859085221111917	0.393602897745672	0.0117636375818116	0.590397652471182
GBM	IDH1	cg00707300	0.0468161550673497	153	0.369035412591046	0.713358631940484	0.00219175237529013	0.836915372169358
GBM	IDH1	cg01046174	0.0156466534837867	438	0.183161805639117	0.854941850855232	0.000244817765241696	0.922702880723518
GBM	IDH1	cg02241586	0.110850069424619	438	1.30551248755569	0.193906539838002	0.012287737891443	0.375074975388074
GBM	IDH1	cg03448938	0.250159064727838	153	2.0344399681856	0.0461902284848552	0.0625795576655066	0.136167442296064
GBM	IDH1	cg05268564	-0.139499194275824	153	-1.10926393214803	0.271600506492611	0.0194600252036042	0.467897324704029
GBM	IDH1	cg07129696	0.170726852703571	153	1.36433521160636	0.177394081631348	0.0291476582340668	0.353682384068428
GBM	IDH1	cg07915542	0.190911782457921	438	2.27643514377811	0.0243703933145197	0.0364473086812605	0.0845766585255953
GBM	IDH1	cg09406631	-0.0898499235872785	153	-0.710352155889508	0.480149301102916	0.00807300876863978	0.667396552062175
GBM	IDH1	cg09615745	0.262475700419876	153	2.14183133142718	0.0361433971926969	0.0688934933109047	0.113596200253638
GBM	IDH1	cg10356455	0.21920798427087	153	1.7690725037015	0.081800029612501	0.0480521403680981	0.20622351227721
GBM	IDH1	cg14772913	-0.0451193189570851	153	-0.355632046649017	0.723323291416521	0.00203575294315118	0.843252092498978
GBM	IDH1	cg15399923	-0.139813079647914	153	-1.1118095785556	0.270512747085222	0.019547697240634	0.466654883953073
GBM	IDH1	cg16085695	0.0100112110842828	153	0.0788323054632089	0.937419892365979	0.000100224347374068	0.966551912185071
GBM	IDH1	cg16863783	0.0538362984750553	153	0.424523092141084	0.6726539214648	0.00289834703349524	0.810539640124422
GBM	IDH1	cg24324379	-0.0163071304226722	438	-0.190895451388046	0.848890106549426	0.000265922502622041	0.919411320936501
GBM	IDH1	cg24830471	-0.0447022878380821	153	-0.35233838039874	0.725779400500882	0.00199829453795874	0.844646589197349
GBM	IDH1	cg24987806	-0.0686221356567319	153	-0.541607956541332	0.590029701275325	0.00470899750209092	0.753064223996138
GBM	IDH1	cg25795625	0.130620596788663	153	1.03739556863716	0.303580644212486	0.0170617403054266	0.502066009108143
GBM	IDH1	cg26105702	0.085863568136757	153	0.678596533501691	0.499918727375242	0.0073725523331755	0.68396049097676
GBM	ING2	cg02075087	-0.0439938849904024	152	-0.346743914163836	0.729957847344632	0.00193546191654875	0.847354971593773
GBM	ING2	cg02552216	-0.0675715483029484	153	-0.53327774647315	0.595747890447487	0.00456591414005769	0.75705867569535
GBM	ING2	cg10348863	-0.0156358916028033	438	-0.183035794811846	0.85504052952438	0.000244481106214615	0.922796578255592
GBM	ING2	cg17985608	-0.129636781682759	152	-1.02944798644428	0.30726859831921	0.0168056951650634	0.505777538005231
GBM	ING3	cg01382559	0.00414847201302259	153	0.0326653823795431	0.974046363201841	1.72098200428317e-05	0.986465403984912
GBM	ING3	cg01416111	-0.0239320820807891	153	-0.188495390331024	0.851103959822377	0.000572744552721628	0.92059624891931
GBM	ING3	cg10268125	-0.179155799264049	153	-1.43387321727795	0.156632777920232	0.0320968004099402	0.325152510354276
GBM	ING3	cg14303833	-0.0711906943416431	153	-0.56198199142749	0.576154402170328	0.00506811496084525	0.742827076065373
GBM	ING3	cg16130600	-0.133375669248883	153	-1.05966862274253	0.293406236063827	0.0177890691475875	0.491140093995554
GBM	ING3	cg18485114	-0.178992996004395	153	-1.43252707356161	0.157015953835894	0.0320384926186294	0.325678534440078
GBM	ING3	cg19478983	-0.0191894945384776	153	-0.15112605873693	0.880366922096122	0.000368236700642261	0.936524517624155
GBM	ING3	cg19960827	-0.142291856176709	153	-1.13192481855414	0.262025029859107	0.0202469723342132	0.457355165515383
GBM	ING3	cg20553930	-0.324736636708961	153	-2.70349621415349	0.00884315962147221	0.105453883221048	0.0388033594445715
GBM	ING3	cg24859794	-0.0122077888748787	153	-0.0961313892276909	0.923726279356445	0.000149030109213613	0.959840279111695
GBM	ING4	cg00369908	-0.0131922980821174	153	-0.103885299297082	0.917595694197724	0.00017403672868744	0.956585845875352
GBM	ING4	cg00443163	-0.129386422703867	153	-1.027425998811	0.308211699885239	0.0167408463801038	0.506785191513194
GBM	ING4	cg00591160	-0.195064551647552	153	-1.56602247133177	0.122433541195645	0.0380501793094606	0.274476093016742

GBM	ING4	cg03930474	-0.0957979790756562	438	-1.12646744930246	0.261937001957843	0.00917725279497987	0.457303003337701
GBM	ING4	cg04375284	-0.130932018390002	153	-1.03991198326124	0.302419245867102	0.0171431934396798	0.500768258797759
GBM	ING4	cg08733494	-0.17560836894158	153	-1.40456852546732	0.165139823233526	0.0308382992423219	0.337073633894705
GBM	ING4	cg12392916	-0.0979227586159999	153	-0.774768093946938	0.44142152102209	0.0095888665496738	0.634034560041219
GBM	ING4	cg18123790	0.101497262483222	153	0.803338831540701	0.42484807944793	0.010301694291588	0.619769377264891
GBM	ING4	cg23354319	-0.230270536477375	153	-1.86322305983236	0.0671690065743407	0.0530245199695782	0.178875045478679
GBM	ING4	cg27116036	-0.231357822149714	153	-1.8725170873913	0.0658524353877893	0.0535264418698586	0.176215064617422
GBM	INO80	cg00734724	0.107668388260273	153	0.852738824725155	0.397086421802725	0.0115924818305648	0.593725443458863
GBM	INO80	cg06380007	0.172499812914189	438	2.04978575469028	0.0422929512261425	0.0297561854554301	0.127514837907392
GBM	INO80	cg12580230	-0.106330215794335	153	-0.842018465941587	0.403013908668537	0.0113061147908698	0.599523166860315
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GBM	INO80	cg21007089	-0.0823542063437433	153	-0.650667908085005	0.517665015316798	0.00678221530250785	0.698559076507051
GBM	INO80	cg21598047	0.119396088512484	153	0.946899192997858	0.347366187765254	0.014255425952081	0.546648161407334
GBM	INO80	cg22835709	-0.143272180977547	153	-1.13988611668276	0.258718327347112	0.0205269178420631	0.453389550896533
GBM	INO80	cg26409855	0.041635843500168	153	0.32812549282936	0.743922353934481	0.00173354346397048	0.856142959036333
GBM	INO80	cg27441689	-0.1460771732872	153	-1.16268470175263	0.249413234252732	0.0213385405555787	0.442967287919661
GBM	INTS12	cg00093890	-0.245228220590256	153	-1.99174615512	0.0508083501824082	0.0601368801738633	0.146018870076111
GBM	INTS12	cg01852585	-0.197973962962538	153	-1.59032541021032	0.116848098720917	0.0391936900110924	0.265885134898065
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GBM	INTS12	cg19703969	-0.106407133510182	153	-0.842634542723164	0.402671804142736	0.0113224780618537	0.599189060622303
GBM	INTS12	cg26533745	0.274999449280141	153	2.25218209784464	0.0278617732287253	0.0756246971043806	0.0934499778630445
GBM	IWS1	cg02372421	-0.241920178323218	153	-1.96319585549605	0.0541130385848076	0.0585253726799377	0.152878766838558
GBM	IWS1	cg02592214	-0.223743949327567	153	-1.80758765401097	0.0755221961969486	0.0500613548606968	0.194857413856981
GBM	IWS1	cg10180764	0.169773280917274	153	1.35648808887679	0.179863052424041	0.0288229669134157	0.35688170771736
GBM	IWS1	cg10488833	-0.0848859800075952	153	-0.670814063240546	0.504830373649752	0.00720562960184985	0.688018326373203
GBM	IWS1	cg15239145	0.0433877083527084	153	0.341957174859312	0.73353954819522	0.00188249323609968	0.849636347035598
GBM	IWS1	cg17144508	-0.490891552203156	153	-4.43663013147084	3.8165645174709e-05	0.240974516024424	0.000420248860682422
GBM	IWS1	cg18451256	-0.0876407738513017	153	-0.692749744384781	0.49105338509709	0.00768090524125501	0.676722888223968
GBM	IWS1	cg18530950	-0.228429100706352	153	-1.84749940438162	0.0694468978512221	0.0521798540495126	0.183311345393525
GBM	IWS1	cg19311602	0.112756596153845	438	1.32825286811165	0.186303069303615	0.0127140499762012	0.365244348010519
GBM	IWS1	cg19409088	-0.35951126593601	153	-3.03362012049598	0.00352698632176283	0.129248350334912	0.0187545026599602
GBM	IWS1	cg21581038	0.214772217938516	153	1.73152470718976	0.0883316994981987	0.0461271055982295	0.218037702461063
GBM	IWS1	cg21679674	0.0567887340383853	153	0.447877716105793	0.655802562464333	0.00322496031368246	0.799309141027313
GBM	IWS1	cg22409775	-0.145457551610089	153	-1.157646059085	0.251448821555738	0.0211578993204018	0.44513948716792
GBM	IWS1	cg23570261	0.126299987184996	438	1.49023712856393	0.138460619125358	0.01595168676293	0.298923389139094
GBM	IWS1	cg23623107	-0.358390076929526	153	-3.02276256398439	0.00363891200763167	0.128443447241551	0.0192185993697126
GBM	JADE1	cg09863040	-0.00207739520153236	64	-0.01635746147023	0.98700174128442	4.31557082334969e-06	0.993155182397043
GBM	JADE1	cg12832492	-0.0831777979699628	64	-0.657220085878469	0.513471879681636	0.00691854607513195	0.695107218319583
GBM	JADE1	cg14617908	0.0284887811019198	64	0.224411972776268	0.82317467810166	0.000811610648673102	0.904842315704835
GBM	JADE1	cg15389440	0.322930176212894	64	2.68670067082584	0.00925039696464829	0.104283898708891	0.0401487046121317
GBM	JADE1	cg15836763	0.0822325780794181	64	0.649700394534408	0.518285720347813	0.0067621968975876	0.699117757815539
GBM	JADE1	cg20039387	-0.161183344882414	64	-1.28597370154656	0.203234281749214	0.0259800706674832	0.387077081782804
GBM	JADE1	cg22922695	-0.0690578800601136	64	-0.545063546146082	0.587665269709573	0.00476899079839704	0.75142721879991
GBM	JADE1	cg26766900	-0.289839660595796	64	-2.38455633267662	0.0201723871317667	0.0840070288542865	0.0733073613551014
GBM	JADE2	cg04590931	0.0372627999164328	139	0.436453007160127	0.663195141210068	0.00138851625761211	0.804176435921889
GBM	JADE2	cg04842522	-0.169012470768274	64	-1.35023005318108	0.181850723039857	0.0285652152751967	0.359350110449163
GBM	JADE2	cg17378563	-0.283232381109571	64	-2.3253959116118	0.0233378974155546	0.0802205817089976	0.0818183141751083
GBM	JADE2	cg18145011	-0.236535286125335	64	-1.91687609133185	0.0598650518649234	0.0559489415823942	0.164377447577999
GBM	JADE2	cg21194015	-0.0125788671636876	64	-0.0990539359511319	0.921415018949418	0.000158227899121698	0.95883463955899
GBM	JADE2	cg25669900	-0.19990940296327	64	-1.60651674015569	0.113242011804155	0.0399637693931309	0.260321771410196
GBM	JADE2	cg26133206	-0.0376782592463347	64	-0.296889724762093	0.767543074898279	0.00141965121983401	0.871185848079126
GBM	JADE3	cg10860619	-0.0523794304714544	64	-0.413002995593078	0.681029292087925	0.00274360473651392	0.816005802739859
GBM	JADE3	cg17843048	-0.126238241136022	140	-1.48949677416189	0.138655136210004	0.0159360935251164	0.299268586586051
GBM	JADE3	cg19194595	-0.0978119960034273	140	-1.15037621807042	0.251992970487211	0.00956718656217447	0.44579845240556
GBM	JARID2	cg01769037	-0.0872494123624791	438	-1.02513755255586	0.307104960123282	0.00761245995759792	0.505606604330622
GBM	JARID2	cg03223185	0.0460599952343937	153	0.363062091949477	0.717793399906257	0.00212152316099237	0.839730929233125
GBM	JARID2	cg05197191	-0.202545457703826	152	-1.62860076211914	0.108468894546888	0.0410246624364524	0.252471906602428

GBM	JARID2	cg06047828	-0.0293392511842325	153	-0.231116988045499	0.817984931401511	0.000860791660051488	0.902092887023474
GBM	JARID2	cg14862454	0.00792508699610467	153	0.0624041571493992	0.950441730958761	6.28070038958273e-05	0.973799705223446
GBM	JARID2	cg15109221	0.150460679968003	153	1.19837083950868	0.235333447649282	0.0226384162164337	0.426540160444264
GBM	JARID2	cg21397480	-0.122987418101536	153	-0.975812039091541	0.332949725964908	0.015125905011282	0.532594714327927
GBM	JARID2	cg21901688	0.0511911943216891	152	0.400340907320544	0.690304081012106	0.00262053837608093	0.822027818020052
GBM	JARID2	cg25338254	-0.214305659458002	153	-1.72758197032683	0.0890418892832843	0.0459269156757291	0.219171799870394
GBM	JMJD6	cg02318866	0.0914874189232061	153	0.723406455641485	0.472150717044285	0.00836994782123022	0.660251102487224
GBM	JMJD6	cg04510639	0.0381504591582661	153	0.30061586227958	0.764713194582992	0.00145545753398653	0.869445921099474
GBM	JMJD6	cg07312083	0.154031121482269	153	1.22749114692899	0.224278309976134	0.0237255863850855	0.41346785084961
GBM	JMJD6	cg08857478	0.104267925019957	153	0.825506094466963	0.412249482000936	0.0108718001879674	0.607937675635146
GBM	JMJD6	cg10712116	-0.0180882937377937	153	-0.142450673184679	0.88718595694715	0.000327186370344708	0.940065710517129
GBM	JMJD6	cg12504415	-0.0502948136308576	153	-0.396523592859334	0.693080323225023	0.0025295682781627	0.8238263326131
GBM	JMJD6	cg15457598	0.0755785257244776	153	0.596812879224286	0.55280549791771	0.00571211355068552	0.724953235869428
GBM	JMJD6	cg21102709	0.0263899677454812	153	0.207867208951064	0.836013958442032	0.00069643039760754	0.912206843457732
GBM	JMJD6	cg21807925	0.0388320133535574	153	0.305994374271364	0.760634067686323	0.00150792526109086	0.866822434395726
GBM	JMJD6	cg23630158	0.112918587764931	153	0.894845060368567	0.374330795072317	0.0127506074628263	0.572990120781959
GBM	JMJD6	cg25004679	0.217517904214748	153	1.75475291340616	0.0842420704903867	0.0473140386539761	0.210643084074606
GBM	JMJD6	cg25908504	-0.0544928883298021	153	-0.429715921450489	0.668892098471892	0.00296947487852428	0.807961515782191
GBM	JMJD6	cg26612088	0.0426470508158542	153	0.336109005678638	0.737923538462239	0.00181877094329005	0.85244232884088
GBM	JMJD8	cg00873473	-0.34558521693538	153	-2.89980535088198	0.00515911405611585	0.119429142164274	0.0254194767801302
GBM	JMJD8	cg02851105	-0.337132403102807	153	-2.81965348165104	0.00644672681536146	0.113658257221873	0.0303471297273526
GBM	JMJD8	cg03899598	-0.339398856050728	152	-2.8410677896875	0.00607642750901947	0.115191583488543	0.0289705069265102
GBM	JMJD8	cg05787952	-0.258381542908849	153	-2.10601227056289	0.0392591483114018	0.0667610217159574	0.120845415413176
GBM	JMJD8	cg06191810	-0.341141566237324	153	-2.85757157760374	0.00580454057493982	0.116377568214855	0.0279395142610363
GBM	JMJD8	cg06646636	-0.407431589751217	153	-3.51291505388219	0.00083338195863632	0.166000500327204	0.00576798185855462
GBM	JMJD8	cg08398290	-0.361686508869317	153	-3.05472820763726	0.00331851667970663	0.130817130698075	0.0178497328756895
GBM	JMJD8	cg26750188	-0.204166385240002	153	-1.64219866634803	0.105611923647621	0.041683912861969	0.24766938779511
GBM	JMJD8	cg27579097	-0.357273493081997	153	-3.01196451841961	0.00375349788625316	0.127644348859012	0.0197293272578158
GBM	KAT2B	cg00770008	-0.0709803740802315	153	-0.560313295753253	0.57728488058254	0.00503821350456959	0.74387630027228
GBM	KAT2B	cg04371528	-0.313841637831075	153	-2.60269163019119	0.0115564275749591	0.0984965736364917	0.0477385096325209
GBM	KAT2B	cg05072819	-0.262318332215607	153	-2.14045226590936	0.0362592377412842	0.0688109074163773	0.113868526596377
GBM	KAT2B	cg12062464	-0.118075702653482	428	-1.39177670610673	0.166245522215801	0.0139418715571134	0.338575426861511
GBM	KAT2B	cg14937543	0.0180035872245013	153	0.141783367489852	0.887710834480675	0.000324129152950227	0.940339109318758
GBM	KAT2B	cg18053505	-0.140339141448001	438	-1.65904630094172	0.0993940761355769	0.0196950746223621	0.237207803138052
GBM	KAT5	cg00582417	-0.181330398635888	153	-1.45186567894706	0.151580751467704	0.0328807134694502	0.317965619901811
GBM	KAT5	cg02561205	-0.240919355402392	153	-1.95457256738955	0.0551466335155538	0.0580421358075039	0.154932365753304
GBM	KAT5	cg05785768	-0.151782792008582	153	-1.20914824471682	0.231196749966256	0.0230380159499204	0.421706437839524
GBM	KAT5	cg07564927	-0.182640074292187	153	-1.46271243622153	0.148597112516067	0.0333573967374556	0.31368949588137
GBM	KAT5	cg14726348	-0.17491351388307	153	-1.39883510488764	0.166845141498948	0.030594737338923	0.339441156382896
GBM	KAT5	cg18896539	-0.0694422632403326	438	-0.814767724226558	0.416619362308427	0.00482222792393965	0.612176995474789
GBM	KAT5	cg20108992	0.056190822425015	153	0.443147129587028	0.65920177828279	0.00315740852479957	0.801686217113268
GBM	KAT5	cg20423942	-0.0655997883818951	153	-0.517648257323591	0.606545856091376	0.00430333223574943	0.764908368799323
GBM	KAT5	cg22048492	-0.0122242863501641	438	-0.143092295118934	0.886427535301453	0.000149433176770808	0.939767317316644
GBM	KAT6A	cg10163397	-0.0488587588582377	153	-0.38517426649107	0.701426574112204	0.00238717831716742	0.828955855182104
GBM	KAT6A	cg12468056	0.0465987536241138	438	0.5460175728016	0.585941895892425	0.00217144383932086	0.750247113074301
GBM	KAT6A	cg15251374	-0.117504712558153	153	-0.931687459912614	0.355111990365071	0.0138073574733742	0.554003729901768
GBM	KAT6A	cg20966972	0.139391166745482	438	1.64761680554996	0.101723023206949	0.0194298973666666	0.241189907569685
GBM	KAT6B	cg04396765	-0.206652747639454	153	-1.66308411230206	0.101343189602942	0.0427053581069357	0.240560586213386
GBM	KAT6B	cg06972998	-0.177636651121805	153	-1.42131680781844	0.160235247522976	0.0315547798217699	0.330053457726656
GBM	KAT6B	cg09631472	-0.215059108348532	153	-1.73394974333217	0.0878972149688547	0.0462504200836655	0.217199540730801
GBM	KAT6B	cg10359932	-0.238409780739579	153	-1.93297860640022	0.0578091103170731	0.0568392235522941	0.160196698892401
GBM	KAT6B	cg10739686	-0.138778111589155	153	-1.10341715892375	0.27411044943837	0.0192593642562521	0.470577930955743
GBM	KAT6B	cg11128436	-0.152682896066808	153	-1.21648938221397	0.228409454656285	0.0233120667513478	0.418295920405903
GBM	KAT6B	cg11348552	0.122999604650547	153	0.975910215356115	0.332901457094173	0.0151289027441908	0.53259326724907
GBM	KAT6B	cg15874302	-0.0318852393239878	153	-0.251192347644837	0.802496075474614	0.00101666848674798	0.892293174660554
GBM	KAT6B	cg15912797	0.178188064668087	153	1.42587325823527	0.158920641949343	0.0317509863901583	0.328234175252724
GBM	KAT6B	cg17147776	-0.153139662845781	153	-1.22021589990234	0.227003980044403	0.0234517563365195	0.416567537649478

GBM	KAT6B	cg18462764	-0.0182734141267144	153	-0.143909035609401	0.886039040701454	0.000333917663846405	0.93957495890383
GBM	KAT6B	cg18491775	0.0122785900260384	153	0.0966890034210075	0.923285245433024	0.000150763773027531	0.959676826241471
GBM	KAT6B	cg24671245	-0.27603201174108	153	-2.26133460540792	0.0272567818051183	0.0761936715058278	0.0918922679847181
GBM	KAT6B	cg26605858	-0.0424297370170608	153	-0.334393220103517	0.739211416761318	0.00180028258333694	0.853093992723968
GBM	KDM1A	cg00062312	0.0894903695711676	153	0.707486531669825	0.481915192559016	0.00800852624598416	0.669060043722312
GBM	KDM1A	cg00541565	0.000995624152751574	153	0.0078395563038717	0.993770174052177	9.91267453542289e-07	0.996747880611776
GBM	KDM1A	cg04886391	-0.236691222186101	152	-1.91821476474155	0.0596917964600647	0.0560227346599501	0.164061823846093
GBM	KDM1A	cg06958034	0.00179918090589961	436	0.0210589066730665	0.98322930553056	3.23705193215375e-06	0.991324666436562
GBM	KDM1A	cg07118078	0.0956236325817828	153	0.756407426727728	0.452269636981158	0.00914387910813579	0.642704216656563
GBM	KDM1A	cg07785945	0.0792494044646595	153	0.625979252273419	0.533626338544978	0.0062804681080032	0.710679598390222
GBM	KDM1A	cg10499166	-0.126420664560059	153	-1.00348857672163	0.319525660704729	0.0159821844278069	0.518850262708754
GBM	KDM1A	cg12578844	0.12389722568059	153	0.98314279106988	0.329358252915892	0.0153505225313471	0.529061558725718
GBM	KDM1A	cg22683154	-0.238559554374965	153	-1.93426619549076	0.0576473400065397	0.0569106609835821	0.159903628003218
GBM	KDM1A	cg26662347	0.0326676748821733	153	0.257362891782299	0.797750896156242	0.00106717698220738	0.889441926881303
GBM	KDM1B	cg11007366	-0.153752635292841	153	-1.22521807571716	0.225127329942563	0.0236398728594934	0.414463165125704
GBM	KDM1B	cg15124342	-0.210211493654933	153	-1.69303626806629	0.0954680528583526	0.0441888720646379	0.230353950065528
GBM	KDM1B	cg20677365	-0.0807760754483769	146	-0.632949623158368	0.529132326911658	0.00652477436484187	0.707407246039038
GBM	KDM1B	cg22406543	-0.00691507563953111	153	-0.0544506619188755	0.956751196770348	4.78182711004366e-05	0.977147164395112
GBM	KDM1B	cg23073439	-0.233683424819171	152	-1.87709758909792	0.065289020757673	0.0546079430352173	0.175177418804663
GBM	KDM1B	cg23860886	-0.320163307377999	153	-2.66103920525791	0.00990578712823794	0.102504543391219	0.0423017403444114
GBM	KDM1B	cg24342628	-0.0585520857127229	436	-0.686512404049176	0.493550351232618	0.00342834674131005	0.678841160250889
GBM	KDM2A	cg05038268	-0.0647604914239446	153	-0.510997286437969	0.611167852361532	0.0041939212494708	0.768160014763202
GBM	KDM2A	cg05295919	-0.0505352574830157	153	-0.39842409072657	0.691686392504326	0.00255381224887469	0.822894192055078
GBM	KDM2A	cg06320126	-0.104528527663209	153	-0.82759209155022	0.41107571215416	0.0109262130954383	0.606917215009959
GBM	KDM2A	cg07283932	-0.0970021746871172	153	-0.767414885788423	0.445747617599064	0.00940942189403	0.637694028893979
GBM	KDM2A	cg08836144	-0.0530283989631347	151	-0.414748585153152	0.679780996129636	0.00281201109659339	0.815225806053876
GBM	KDM2A	cg09993857	-0.134130072059106	153	-1.065777184048512	0.290659642669445	0.017990876230581	0.488286607968964
GBM	KDM2A	cg11637544	0.0978551003815038	153	0.7742276024345	0.441738666120411	0.00957562067067419	0.634279292570392
GBM	KDM2A	cg16004548	-0.0613405481588916	153	-0.483907207021709	0.630156597316627	0.00376266284843329	0.7817567508396
GBM	KDM2A	cg18132081	0.162625959158344	153	1.29779459549745	0.1991655979531	0.0264472025921714	0.381895652736277
GBM	KDM2A	cg21293464	-0.0857166358266887	153	-0.677426696223392	0.500655368580779	0.00734734165744516	0.6845228961189
GBM	KDM2A	cg21711868	-0.151529260992701	153	-1.20708103375157	0.231986080358266	0.0229611169369939	0.422609711862845
GBM	KDM2A	cg25597833	-0.0709369674448402	153	-0.559968913828007	0.577518319515386	0.00503205335027032	0.744041537326399
GBM	KDM2B	cg03486832	-0.166052247459679	153	-1.32590429147683	0.189735773720386	0.0275733488864104	0.369730762916444
GBM	KDM2B	cg05067991	-0.215369797983721	153	-1.73657648118889	0.0874285856781419	0.0463841498835489	0.216343895739086
GBM	KDM2B	cg07020001	-0.149294134154417	153	-1.18886702219115	0.239025603902053	0.022288738492917	0.430823146589661
GBM	KDM2B	cg07529210	-0.291400789258034	153	-2.39858830922392	0.0194803105888392	0.0849144199802053	0.0713455713925029
GBM	KDM2B	cg07793808	-0.17893632541309	153	-1.43205851958061	0.157149497005782	0.0320182085523393	0.325842585625092
GBM	KDM2B	cg09151742	-0.182390519809709	153	-1.46064500238175	0.149162234635881	0.033266301716456	0.314588919407465
GBM	KDM2B	cg12251659	0.131147597057976	153	1.04165413096827	0.301616969977901	0.0171996922140812	0.500021109032537
GBM	KDM2B	cg12888660	-0.0500129883562833	153	-0.394296099090558	0.694715446354818	0.00250129900432573	0.824996465122758
GBM	KDM2B	cg15234492	-0.23026915674673	153	-1.86321127070021	0.06717069058756	0.0530238845488499	0.178875045478679
GBM	KDM2B	cg15316703	-0.210075679515027	153	-1.69189190652195	0.0956872734715637	0.0441317911237003	0.230726862757312
GBM	KDM2B	cg16837338	-0.0644666206994924	153	-0.508668779276864	0.61278978551807	0.00415594518441222	0.769407405174747
GBM	KDM2B	cg17452615	-0.224693668583729	153	-1.81566732568788	0.0742576608296584	0.0504872447016146	0.192443949100723
GBM	KDM2B	cg20055546	-0.102439340451102	153	-0.810873976129755	0.420539894686238	0.0104938184720568	0.615728089270721
GBM	KDM2B	cg21249371	-0.277801107608947	153	-2.27703537972384	0.0262459514988559	0.0771734553887579	0.0893642083303655
GBM	KDM2B	cg21781916	0.0702214782317611	153	0.554292785798549	0.581372420710672	0.00493105600505369	0.746821304242258
GBM	KDM2B	cg26218726	-0.132204937037746	153	-1.05020095468904	0.297702113353441	0.0174781453771543	0.495845123990356
GBM	KDM2B	cg26509318	-0.0667464738078024	153	-0.526736900682671	0.600255851004213	0.00445509176577565	0.760377510470621
GBM	KDM3A	cg01744130	-0.245808631347311	153	-1.99676302839826	0.0502458985949307	0.0604218832448383	0.14479291136813
GBM	KDM3A	cg02152982	-0.181838649165445	153	-1.45607406682161	0.15041763893215	0.0330652943303138	0.316207906909357
GBM	KDM3A	cg02972551	-0.195107097735855	436	-2.32841769255616	0.0213536374361838	0.0380667795869084	0.0765468794739079
GBM	KDM3A	cg03037033	-0.104573884673871	153	-0.827955169900651	0.410871619431667	0.0109356973557842	0.606733865379684
GBM	KDM3A	cg04793821	-0.209035379962419	153	-1.68312979923169	0.0973795080204069	0.043695790076033	0.233596714367547
GBM	KDM3A	cg07052513	-0.212467307059351	153	-1.71205867168753	0.0918839743976461	0.0451423565690527	0.224153215976998
GBM	KDM3A	cg07211384	0.107444680933364	153	0.85094633725091	0.39807375449293	0.0115443594608724	0.594696810175282

GBM	KDM3A	cg12888358	-0.135224594458949	153	-1.07463002825871	0.286704853616291	0.0182856909465873	0.484099524281591
GBM	KDM3A	cg18611949	0.0192828201796216	153	0.151861313632471	0.879789406364326	0.000371827154079624	0.936232450737393
GBM	KDM3A	cg19139691	-0.0437617914512292	153	-0.344911117416538	0.731328538660292	0.00191509439102088	0.848173155783919
GBM	KDM3A	cg20191795	-0.0471917793646446	153	-0.372002910348313	0.711159147279233	0.0022270640396013	0.835557220797448
GBM	KDM3A	cg20918903	-0.0792361354229234	438	-0.930360356783982	0.353821021234744	0.00627836515675985	0.552836018516854
GBM	KDM3A	cg22404242	-0.142505696003895	153	-1.13366113852468	0.261301315751607	0.0203078733935544	0.456647749243637
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GBM	KDM3B	cg00435490	0.0602601730144959	153	0.475352933556011	0.6362059047442	0.00363128845173698	0.785915079851851
GBM	KDM3B	cg03315484	-0.194692040598785	153	-1.56291392601866	0.12316313369417	0.0379049906725189	0.275634721051574
GBM	KDM3B	cg05191700	-0.27311538776187	153	-2.23550370080621	0.0289947826134819	0.0745920150323165	0.0962911470067538
GBM	KDM3B	cg05708550	-0.0990981966626625	153	-0.78415988317463	0.435932050004659	0.00982045258179173	0.629061158998646
GBM	KDM3B	cg05722427	0.113744385739701	153	0.901474716927849	0.370824634768088	0.0129377852873018	0.569509449148115
GBM	KDM3B	cg15001364	-0.309246702960252	153	-2.56052308174561	0.01290094713366	0.095633523291786	0.0520251040026926
GBM	KDM3B	cg18682923	0.0801811762164917	153	0.633386523490458	0.528810881880957	0.00642902101946009	0.707171948241404
GBM	KDM3B	cg19076659	-0.0736861342996177	153	-0.581786799780435	0.5628197808285	0.0054296463880213	0.73289016813691
GBM	KDM3B	cg24137987	-0.326072789472176	153	-2.71594034049216	0.00855208252838098	0.106323464034166	0.0378226667545691
GBM	KDM4A	cg00154982	-0.245219930052647	153	-1.99167451105537	0.0508164213045432	0.060132814095025	0.14602706371257
GBM	KDM4A	cg00979347	0.0946766782524009	153	0.748848682461708	0.456780077133408	0.00896367340490864	0.647059419779555
GBM	KDM4A	cg03587511	0.0460339558150774	153	0.36285640351445	0.717946283685779	0.0021191250879845	0.839813161017137
GBM	KDM4A	cg08552254	0.0307244343926217	438	0.359790143893376	0.719558091126872	0.000943990868746513	0.840891438073636
GBM	KDM4A	cg10958452	0.170336125275729	153	1.3611193655886	0.178402751314271	0.0290143955739488	0.355012071410433
GBM	KDM4A	cg10968649	0.089382638945094	438	1.05040134307373	0.295382975856871	0.00798925614478902	0.49335827450933
GBM	KDM4A	cg12293275	0.184879323728036	153	1.48127663768826	0.1435974512731	0.0341803643421361	0.306574932134726
GBM	KDM4A	cg17737314	0.113223658002163	153	0.897294000249251	0.373033209720275	0.0128195967313907	0.571603646260101
GBM	KDM4A	cg19743044	0.0531398626373114	153	0.419015732821299	0.676652787688087	0.00282384500111232	0.813191728440447
GBM	KDM4A	cg20873046	-0.142119026085187	153	-1.13052160445797	0.262610937976646	0.0201978175754022	0.458041238261853
GBM	KDM4A	cg21451504	0.000912743856835026	153	0.00718695530940661	0.99428876414764	8.33101348190079e-07	0.997058888261977
GBM	KDM4A	cg22094309	0.133592352945069	153	1.0614214298039	0.292615611316078	0.0178469167654	0.490291388285834
GBM	KDM4A	cg24324755	0.0117101175091976	153	0.0922118800521994	0.926827007629533	0.000137126852079215	0.961392858801444
GBM	KDM4A	cg24505556	-0.12301014640355	153	-0.975995141313215	0.33285970653918	0.0151314961182228	0.532556362431544
GBM	KDM4A	cg25841161	0.307422306908802	153	2.54383551891035	0.0134710739075816	0.0945084747851297	0.0537750781797211
GBM	KDM4B	cg01098771	-0.109135606031293	153	-0.864498381917451	0.390646653553879	0.0119105805038176	0.587908206376648
GBM	KDM4B	cg12072803	0.236145223065219	438	2.84445653188419	0.00513143735666337	0.055764566376522	0.0253071533995353
GBM	KDM4B	cg18115693	0.257080994339127	153	2.09465957432131	0.0402942624558398	0.0660906376503943	0.123101313756268
GBM	KDM4C	cg00121158	0.110569640044873	438	1.30216886195062	0.195043665753565	0.0122256452996527	0.376622487685225
GBM	KDM4C	cg00667760	-0.147820454914142	153	-1.17686825009878	0.243746574657447	0.0218508868910238	0.436430239111154
GBM	KDM4C	cg05545111	0.302015927079712	153	2.4945647804052	0.0152898676313847	0.0912136202098178	0.059284805308316
GBM	KDM4C	cg14196303	-0.211690791792523	153	-1.70550740172133	0.0931056158756545	0.0448129913297452	0.226288999044947
GBM	KDM4C	cg14473811	0.461400915081683	153	4.09502731692299	0.00012436933990764	0.212890804438215	0.00116218479624924
GBM	KDM4C	cg14497348	0.214619451541327	153	1.73023359043199	0.0885637465077628	0.0460615089798998	0.218409513261211
GBM	KDM4E	cg15555590	-0.0585319724571145	153	-0.461672734027864	0.645931825795354	0.00342599179972041	0.792382751637907
GBM	KDM4E	cg19409026	0.0472031875082223	153	0.372093039149603	0.711092382973768	0.00222814091093639	0.835511008829255
GBM	KDM5B	cg00528052	-0.0216392952941841	438	-0.253340779205882	0.800384659499129	0.000468259100828899	0.890945373745869
GBM	KDM5B	cg00571448	0.0239415677729543	153	0.188570144985059	0.851045617121556	0.000573198667426965	0.92057958700679
GBM	KDM5B	cg02624558	0.167860729819845	153	1.34076114381368	0.184889901389288	0.028177224615651	0.363444724919223
GBM	KDM5B	cg04504182	0.0110498006677351	153	0.0870115295971568	0.930942760696004	0.000122098094796679	0.96346991828577
GBM	KDM5B	cg08915090	0.0245411218617705	153	0.193295203171853	0.847359626419127	0.000602266662234272	0.918533773341827
GBM	KDM5B	cg09889216	-0.222805005739488	153	-1.79960498406775	0.0767891800231562	0.0496420705825735	0.197192099779541
GBM	KDM5B	cg11171004	0.0125397596903576	153	0.0987459305255351	0.921658569585368	0.000157245573091919	0.958959805830357
GBM	KDM5B	cg11221497	-0.262867141867978	152	-2.14526244851547	0.0358565868916427	0.0690991342738398	0.112891145762615
GBM	KDM5B	cg13134514	0.0114190835718132	153	0.089919816717946	0.928640792377776	0.000130395469620054	0.962262321920154
GBM	KDM5B	cg13253785	-0.146790576876948	153	-1.16848769271791	0.247083503793583	0.0215474734598672	0.440317361389976
GBM	KDM5B	cg13993945	0.0390247331283393	152	0.307515307266861	0.759481803858855	0.00152292979573811	0.866131018828641
GBM	KDM5B	cg14560895	-0.268364565168205	438	-3.26073900708802	0.00140216978211295	0.0720195398379198	0.00888783476164708
GBM	KDM5B	cg21105875	0.215935587767919	147	1.69870933397048	0.0946420392713859	0.0466281780646768	0.228978752350507
GBM	KDM5B	cg24354901	-0.0917867068548611	153	-0.725793049603452	0.470696583495129	0.00842479955526022	0.659166711965942
GBM	KDM5B	cg27531483	-0.148547091904502	153	-1.18278355873188	0.241410848691244	0.0220662385132845	0.43366544042596

GBM	KDM5C	cg01859586	0.171243582373835	153	1.36858912584639	0.176066506724139	0.0293243645042244	0.351897793697753
GBM	KDM5C	cg04927657	0.397486062153734	153	3.41083301446469	0.00114459539341874	0.157995169606482	0.00751097883050336
GBM	KDM5C	cg04927982	-0.127188399584215	438	-1.50089142376596	0.13568484274465	0.0161768889887938	0.294705493382397
GBM	KDM5C	cg09554224	0.405896656730236	153	3.49706433190059	0.000875769379124943	0.164752095944783	0.00601002144315859
GBM	KDM5C	cg12234996	-0.21951116946891	153	-1.77164307468692	0.0813679359622808	0.0481851535216086	0.205424067315171
GBM	KDM5C	cg16417926	-0.0636287480892752	153	-0.502030559047333	0.617424325433725	0.00404861758340844	0.77271409222637
GBM	KDM5C	cg16824069	-0.53253300723499	153	-4.95406820913556	5.91398347000118e-06	0.283591403794742	8.25094028094103e-05
GBM	KDM5C	cg19903753	-0.488750498916296	153	-4.41118883834315	4.17369363934718e-05	0.238877050190929	0.000454363732128988
GBM	KDM5C	cg24985300	-0.0967534999097581	153	-0.765428926031828	0.44692024313965	0.00936123974478756	0.638560680933861
GBM	KDM5C	cg27526317	-0.264477617587339	153	-2.15939081191699	0.034696430316524	0.0699484102046748	0.110114961585065
GBM	KDM6A	cg00751785	-0.552638836430677	153	-5.22123071356754	2.19206248532627e-06	0.305409683531453	3.42359584387617e-05
GBM	KDM6A	cg03267667	0.237864443194382	153	1.92829162828347	0.0584012413815092	0.0565794933361736	0.161452244919443
GBM	KDM6A	cg03478540	0.0851437876484216	153	0.672866250775159	0.503532679652081	0.00724946457511951	0.686901981848081
GBM	KDM6A	cg06877198	0.558334917493974	153	5.29924135165281	1.63518993377509e-06	0.311737880093003	2.64300780611053e-05
GBM	KDM6A	cg07167981	-0.437960195224229	153	-3.83595510926811	0.000295425349884143	0.191809132600845	0.00241400862608517
GBM	KDM6A	cg11895950	-0.320872532459529	153	-2.66760967649396	0.00973405896860241	0.102959182086992	0.041708051520349
GBM	KDM6A	cg14384228	-0.12200668277609	153	-0.967912585895857	0.336848699548622	0.0148856306420255	0.536439194745771
GBM	KDM6A	cg15923127	0.241037661049607	153	1.95559156653883	0.0550236235448144	0.0580991540442652	0.154681739242052
GBM	KDM6A	cg17824914	-0.0959937614820585	153	-0.75936241830201	0.450513373086056	0.00921480224347434	0.641311519729548
GBM	KDM6A	cg20211377	0.0789645161602588	153	0.623714816833213	0.53510296242223	0.00623539481242377	0.711610650939775
GBM	KDM6A	cg22133177	0.342076873009606	153	2.86644283848163	0.00566307874161801	0.11701658704803	0.0273959049577409
GBM	KDM6A	cg27306636	-0.499201831991757	153	-4.53639222421533	2.68168868430933e-05	0.249202469063926	0.000308882572560201
GBM	KDM6B	cg01046511	-0.228272622053503	153	-1.84616423157223	0.0696432832830603	0.0521083899791816	0.183655239990589
GBM	KDM6B	cg02308232	-0.163521631090457	153	-1.30513809728326	0.19666889201063	0.0267393238344835	0.378826349693588
GBM	KDM6B	cg24893073	-0.204251802132887	153	-1.64291561541345	0.105463003035267	0.041718798674532	0.24743465355659
GBM	KDM8	cg00636124	-0.14836932956714	153	-1.18133627441962	0.241980828459952	0.0220134579562025	0.434278186938277
GBM	KDM8	cg01755539	-0.240536247438904	153	-1.95127338733816	0.0555465108267328	0.0578576863319898	0.155651079290211
GBM	KDM8	cg06329197	-0.0364569198913282	153	-0.287253032768152	0.774876479467131	0.00132910700796272	0.875282940262973
GBM	KDM8	cg08572679	-0.332516678290769	153	-2.77621273541327	0.00726256012067011	0.110567341341527	0.0333422013589501
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GBM	KDM8	cg10214171	-0.213716907080374	153	-1.72260838021313	0.0899444765755088	0.0456749163720012	0.220692414304571
GBM	KDM8	cg10221365	-0.149581536880465	153	-1.19120801139104	0.238112285588639	0.0223746361755218	0.4297145972831
GBM	KDM8	cg16752029	0.0303698229077765	153	0.239242580003022	0.811706600082935	0.000922326143449708	0.898554297358261
GBM	KDM8	cg24206694	-0.0520564321027615	438	-0.610132167077337	0.542784990303886	0.00270987212326942	0.717301977945207
GBM	KDM8	cg24705286	-0.0294758914269407	438	-0.345156437154415	0.730506123813584	0.000868828175412797	0.847624206258361
GBM	KIAA202f	cg03495688	0.255397299680059	153	2.07998042313907	0.041667758540048	0.065227780683866	0.126123559700576
GBM	KIAA202f	cg25608569	-0.428967715556214	153	-3.73920187674985	0.000405082053481202	0.184013300989517	0.00313646758410724
GBM	KMT2B	cg09284703	-0.228331659201089	153	-1.84666795535343	0.0695691376977817	0.0521353465935222	0.183559269368513
GBM	KMT2B	cg13830730	0.230988012170451	153	1.86935515273472	0.0662978819244734	0.0533554617664566	0.177108527400587
GBM	KMT2B	cg15496871	0.0355786173336503	153	0.280323791469506	0.780162333328783	0.00126583801137432	0.87857481990416
GBM	KMT2B	cg24471867	-0.0309220738530012	438	-0.362106755119369	0.717830197878339	0.000956174651370457	0.839735844184837
GBM	L3MBTL1	cg01071811	-0.251157592672221	437	-3.03707398716618	0.0028607185875135	0.063080136356905	0.0158520365978364
GBM	L3MBTL1	cg01877937	-0.389039216735206	153	-3.3252576868671	0.00148734054764161	0.151351512157943	0.00933792031016315
GBM	L3MBTL1	cg02177317	-0.363379315674873	153	-3.07119452200929	0.00316393318987335	0.132044527060339	0.0171990090540848
GBM	L3MBTL1	cg02472486	-0.289262692305062	153	-2.37937560520643	0.0204334107964851	0.0836729051595728	0.07401735702653
GBM	L3MBTL1	cg02611863	-0.280170374053542	438	-3.41612496226238	0.000836297614816601	0.0784954384973017	0.00578250259061796
GBM	L3MBTL1	cg03486259	-0.0093639454870467	153	-0.0737350132387872	0.941458615332285	8.76834750843822e-05	0.968761129376372
GBM	L3MBTL1	cg04984575	-0.410175794704947	153	-3.5413426463365	0.000762199728752625	0.168244182561835	0.00534763399157483
GBM	L3MBTL1	cg06362543	-0.0108551804353252	153	-0.0854788125654107	0.932156176777616	0.000117834942283467	0.964018331757955
GBM	L3MBTL1	cg06446163	-0.436477544737357	153	-3.81990635621625	0.000311396427131603	0.190512647059951	0.00252078810117335
GBM	L3MBTL1	cg06908806	0.152935046682974	153	1.21854644638011	0.227632839740585	0.0233891285039234	0.417357273975467
GBM	L3MBTL1	cg07678583	-0.165195169474225	153	-1.31886813093084	0.192063947980856	0.0272894440176178	0.37257618555277
GBM	L3MBTL1	cg08369943	-0.153047227215739	153	-1.21946170211384	0.227287918445202	0.0234234537584261	0.41690173364911
GBM	L3MBTL1	cg08633313	-0.38182856838624	153	-3.2529899011993	0.00185008088814052	0.145793055635886	0.0111569916753491
GBM	L3MBTL1	cg09541000	-0.391183535688161	153	-3.34688664463073	0.00139255688302544	0.153024558593491	0.00884840258379962
GBM	L3MBTL1	cg10360552	-0.328462783546378	153	-2.73824481815885	0.00805222488365493	0.107887800175035	0.036110842370384
GBM	L3MBTL1	cg12699433	-0.28268048565409	153	-2.32047079509051	0.0236203637163295	0.0799082569696319	0.0826075604634122

GBM	L3MBTL1	cg14306330	-0.173128800530413	153	-1.38411885160463	0.171284309271665	0.0299735815730995	0.345419212864991
GBM	L3MBTL1	cg15123011	-0.153019429333369	153	-1.21923490094682	0.227373354652763	0.0234149457535099	0.417048611318629
GBM	L3MBTL1	cg15302378	-0.292583846686461	153	-2.40923598801766	0.0189694116742115	0.0856053073418467	0.0698460058587472
GBM	L3MBTL1	cg15330298	-0.437840862914987	153	-3.83466198321501	0.00029668254789299	0.19170462123814	0.0024223469910566
GBM	L3MBTL1	cg15388309	-0.369941327267197	153	-3.13535856360731	0.00262346183706787	0.136856585620215	0.0147901724873438
GBM	L3MBTL1	cg16862791	-0.343791240174458	153	-2.88272846677637	0.00541164570975781	0.118192416820692	0.0264244016033705
GBM	L3MBTL1	cg17091610	-0.440310595930893	153	-3.86147618859564	0.000271634340372314	0.193873420889018	0.00224683911482443
GBM	L3MBTL1	cg17774347	-0.0805790852693049	153	-0.636550274318022	0.526761058027624	0.00649298898283792	0.705425104546332
GBM	L3MBTL1	cg18911945	-0.316455310635061	153	-2.62676799320287	0.01084714900677	0.100143963629133	0.0454338615104004
GBM	L3MBTL1	cg20091959	-0.225680248226204	436	-2.71147167395746	0.00755677373246202	0.0509315744394412	0.0343905262515006
GBM	L3MBTL1	cg20252111	-0.29107959907676	153	-2.39569963252155	0.0196210225769501	0.0847273329986875	0.0717561973651399
GBM	L3MBTL1	cg20529070	-0.365208487344574	153	-3.08902669248958	0.00300412401396617	0.133377239228512	0.0164823205827269
GBM	L3MBTL1	cg22330467	-0.129902319287606	153	-1.03159278086617	0.306270358132206	0.0168746125562991	0.504724284147989
GBM	L3MBTL1	cg22457903	-0.36089680643805	153	-3.04705850139284	0.00339289860625118	0.130246504897183	0.0181831878048157
GBM	L3MBTL1	cg22601123	-0.251377620061914	153	-2.04501670541312	0.0451037402560429	0.0631907078679922	0.133806758616036
GBM	L3MBTL1	cg23626798	-0.174245565642749	437	-2.0711764362298	0.040218749486234	0.0303615171461614	0.122938208154502
GBM	L3MBTL1	cg24343973	-0.0671780106398603	153	-0.53015780809072	0.597896184611362	0.00451288511352918	0.758586574013803
GBM	L3MBTL2	cg02358112	-0.5837558854491	153	-5.66120580182786	4.12672023048694e-07	0.340770933796462	7.76116089614516e-06
GBM	L3MBTL2	cg06235991	-0.134474272511645	436	-1.58840838324032	0.114499236478419	0.0180833299675362	0.262158330712015
GBM	L3MBTL2	cg08053598	-0.100734810526522	153	-0.79724201283163	0.428353165039315	0.0101475020518142	0.622566363841131
GBM	L3MBTL2	cg09993119	-0.504126603613194	153	-4.59629463508399	2.16614091292037e-05	0.254143632470574	0.000256761795184714
GBM	L3MBTL2	cg12821546	-0.0348612301300904	153	-0.274664551933654	0.784487136455305	0.00121530536618313	0.881021976229305
GBM	L3MBTL2	cg13843727	-0.415390982065257	153	-3.59568750941744	0.000641901179099519	0.172549667981139	0.00463322126267127
GBM	L3MBTL2	cg14679202	-0.00025506160527958	436	-0.0029854196456543	0.997622326065062	6.50564224877989e-08	0.998829230809594
GBM	L3MBTL2	cg15283028	-0.359123410366911	153	-3.02986243739813	0.00356535449135928	0.12896962387356	0.0189300564633363
GBM	L3MBTL2	cg19467356	-0.258132986009804	153	-2.10384163182344	0.03945525539676	0.0666326384663377	0.12128110235244
GBM	L3MBTL2	cg24240981	-0.171264251065153	153	-1.36875930251058	0.176013555728885	0.0293314436929078	0.351863803858099
GBM	L3MBTL2	cg26947834	0.208555571760491	153	1.67909054539028	0.09816782435645	0.0434954265123454	0.234944400184146
GBM	L3MBTL2	cg27177954	-0.252329879792836	153	-2.05328928944409	0.0442693941677044	0.0636703682362669	0.132000507852909
GBM	L3MBTL3	cg03454037	0.172024832310445	153	1.37502288175504	0.174073075343819	0.0295925429314367	0.349249347022856
GBM	L3MBTL3	cg07826275	0.0214250264791678	153	0.168739560051877	0.866550793278626	0.000459031759633042	0.929083662894753
GBM	L3MBTL3	cg08106148	0.0269050209957428	153	0.2119270659559	0.832859086521342	0.000723880154781363	0.910350134559114
GBM	L3MBTL3	cg08358392	-0.115401924240835	153	-0.914787465663897	0.36384736296116	0.0133176041184875	0.562793608665059
GBM	L3MBTL3	cg09710740	0.0434223165816179	152	0.3422304522242314	0.73333490620245	0.00188549757731425	0.849522379818813
GBM	L3MBTL3	cg10237990	-0.0352630586244574	153	-0.277834396220763	0.78206388512918	0.00124348330355192	0.879684762796076
GBM	L3MBTL3	cg16487825	-0.047929927136198	152	-0.374775427055994	0.709127319785958	0.00229727791528125	0.834291407156796
GBM	L3MBTL3	cg16800851	0.0253277383032882	153	0.199494808490194	0.842528545802884	0.000641494327559851	0.915790214242951
GBM	L3MBTL3	cg18411550	0.0116892973757974	153	0.0920479084915953	0.926956750873397	0.000136639673139824	0.961476160017134
GBM	L3MBTL3	cg18798995	0.000905972473548977	153	0.00713363731795847	0.994331133460224	8.20786122828453e-07	0.997058888261977
GBM	L3MBTL3	cg22934935	0.098170409815375	153	0.776746561692761	0.440261752310543	0.00963742936331868	0.632876587160763
GBM	L3MBTL3	cg24516147	0.00307375411208917	153	0.0242028784156025	0.9807685120596	9.44796434158508e-06	0.990066386575959
GBM	LBR	cg01017344	-0.139569645306061	153	-1.10983526838232	0.271356106801698	0.0194796858908597	0.467632736089037
GBM	LBR	cg05530459	-0.0303157503294642	153	-0.238816223421041	0.812035725101071	0.00091904471803841	0.898725481620422
GBM	LBR	cg12994003	-0.014949937625165	436	-0.175004091442174	0.861334793336571	0.000223500634996323	0.926320641102298
GBM	LBR	cg14607642	-0.0425822025346185	436	-0.498864388838554	0.618674985947848	0.00181324397269927	0.773688979049231
GBM	LBR	cg18107727	-0.249279995654203	153	-2.02681628907598	0.0469872982032544	0.0621405162333595	0.137896656060083
GBM	LBR	cg18289048	-0.128828392275941	153	-1.022919866245	0.310320513835297	0.0165967546564037	0.509148782918083
GBM	LBR	cg18764107	0.0755952820636477	153	0.59694595763156	0.552717207861656	0.00571464667028245	0.72488633053576
GBM	LBR	cg19322477	-0.113880313646545	153	-0.902566151965102	0.370249426536148	0.0129687258362354	0.568930368558848
GBM	LBR	cg20483690	-0.203075311731706	151	-1.6198208995249	0.110429669609479	0.0412395822349295	0.255715604036309
GBM	LBR	cg26930584	-0.0248850973088053	153	-0.196006151729321	0.845246368611989	0.000619268068068708	0.91729375599117
GBM	MBD1	cg01719254	-0.306297078178126	153	-2.53355863156591	0.0138334310080778	0.0938179001004568	0.054878017941989
GBM	MBD1	cg03841029	-0.133814191665875	436	-1.58046900164393	0.116305540797481	0.0179062378911916	0.264945043654443
GBM	MBD1	cg05549078	-0.560269331908193	153	-5.32598000259707	1.47843496810598e-06	0.313901724276853	2.41421851194031e-05
GBM	MBD1	cg12090413	-0.550494106427228	153	-5.19213246016785	2.44440250958298e-06	0.303043761211113	3.7692735149752e-05
GBM	MBD1	cg13478031	-0.0735764139520115	153	-0.580915787130611	0.563403015210895	0.00541348869003776	0.733325093115319
GBM	MBD1	cg14389183	-0.498037923802421	153	-4.52232116056521	2.81912362075959e-05	0.248041773545427	0.000322895911297661

GBM	MBD1	cg19328682	-0.399210980918053	153	-3.4284334834675	0.00108406073732122	0.159369407285554	0.00718159081999205
GBM	MBD1	cg21282183	-0.0890698335014007	153	-0.70413523779639	0.483984951745384	0.00793343523996724	0.670760445665225
GBM	MBD2	cg15090185	-0.202225085041326	153	-1.62591482350256	0.109040563752017	0.0408949850199716	0.253335969911732
GBM	MBD2	cg16852837	-0.119334381534414	153	-0.946402739400024	0.347617230868678	0.0142406946162011	0.546899404578598
GBM	MBD2	cg17987217	-0.282133931874384	153	-2.3155958161356	0.0239029425656607	0.0795995555148998	0.0833410502847349
GBM	MBD2	cg22224310	-0.151326920016105	153	-1.20543138500334	0.23261737600981	0.0228998367215605	0.423313671648628
GBM	MBD2	cg22836370	0.141458151521635	438	1.67254391959436	0.0966993090888412	0.0200104086319179	0.232508612495676
GBM	MBD2	cg23388714	-0.0811280710335967	153	-0.640915730128994	0.523939476270701	0.00658176390963231	0.703136776707939
GBM	MBD2	cg24881765	-0.0773999529624793	153	-0.61128160809228	0.543248008446679	0.00599075271859401	0.717609107673385
GBM	MBD2	cg25192916	0.267421592673055	153	2.18526800895315	0.0326564671402989	0.0715143082277934	0.105147850035694
GBM	MBD3	cg08660999	0.116853351502934	153	0.92645115973604	0.357803952582481	0.0136547057574683	0.556844793390312
GBM	MBD3	cg09174855	-0.0163467695749919	153	-0.12873179315108	0.897986564286156	0.000267216875537879	0.946027651130161
GBM	MBD3	cg12286540	-0.0100450939742907	153	-0.0790991398557895	0.937208516721928	0.000100903912952331	0.966447548705242
GBM	MBD5	cg03890220	0.020252746004599	153	0.159502996834499	0.873791079771624	0.000410173720726802	0.933173641270863
GBM	MBD5	cg04152151	0.141405087924377	153	1.12472623008619	0.265040595265764	0.0199953988909009	0.460698649717458
GBM	MBD5	cg05218490	0.0395659686850498	438	0.463470706012028	0.643762479332047	0.00156546587798634	0.790877978579806
GBM	MBD5	cg06394585	0.098844440368126	153	0.782132082740435	0.437113868552943	0.00977022339168802	0.630045881016224
GBM	MBD5	cg06758980	0.0819907611372483	153	0.647776905655633	0.519520897789654	0.0067224849118653	0.700075964045829
GBM	MBD5	cg20595490	0.101627945678248	153	0.804383960984252	0.424248958279962	0.010328239342781	0.61920083038651
GBM	MBD5	cg21412502	-0.235967650714214	153	-1.91200440255366	0.060499171843845	0.0556807321835854	0.165621725531199
GBM	MBD5	cg23120335	-0.20921016362291	153	-1.68460152695261	0.097093571368624	0.0437688925631249	0.233120583477051
GBM	MBD5	cg25686162	-0.0892317984190244	153	-0.705425907329762	0.483187249935533	0.00796231384909341	0.670072711936197
GBM	MBD5	cg26664634	-0.230177252022492	153	-1.86242601592354	0.0672829401219449	0.0529815673486258	0.179061019873938
GBM	MBTD1	cg01388767	-0.0301859367570248	153	-0.237792665641452	0.812825997033503	0.000911190777899098	0.899115368178028
GBM	MBTD1	cg14577476	-0.128895810643731	153	-1.02346422144703	0.31006524543432	0.0166141300015046	0.508854201280878
GBM	MBTD1	cg17045523	-0.0841264436650714	153	-0.6647688271324	0.508663528455871	0.00707725852373243	0.69114770204171
GBM	MBTD1	cg18711617	0.130028644275998	153	1.03261320946636	0.305796199273563	0.0169074483322541	0.504317511390248
GBM	MBTD1	cg22141797	-0.238398746731989	153	-1.93288375391611	0.0578210426771817	0.0568339624433832	0.160206937850507
GBM	MBTD1	cg25259117	-0.242690294657932	153	-1.96983585921065	0.053328487964319	0.0588985791211537	0.15118937291167
GBM	MBTD1	cg25716740	-0.0309047057633349	438	-0.361903175088406	0.717981984012573	0.000955100838318307	0.839819126485146
GBM	MBTD1	cg25855326	-0.240420067757832	153	-1.9502730834854	0.0556682405677908	0.0578018089806805	0.15586305944685
GBM	MBTD1	cg27207041	0.0378374958843619	438	0.443193903390946	0.658324548738233	0.0014316760947991	0.801215581109858
GBM	MBTD1	cg27214721	0.0622382341796007	153	0.491016268497623	0.625148529394363	0.00387359779379482	0.778118721739949
GBM	MBTD1	cg27353579	-0.173214404448638	153	-1.38482439559909	0.171069434104293	0.0300032299084962	0.345137984820907
GBM	MLLT10	cg00879184	-0.370708916797017	153	-3.14289932109357	0.002565954994874	0.137425100992818	0.0145344197211751
GBM	MLLT10	cg03524461	-0.341830420142822	153	-2.86410433121997	0.0057000563838673	0.116848036135018	0.0275422475979238
GBM	MLLT10	cg04188362	-0.290681291553254	153	-2.39211861750025	0.0197967213120642	0.084495613259068	0.0722459134845768
GBM	MLLT10	cg05913198	-0.244542002418947	153	-1.98581765769642	0.0514799609701972	0.0598007909470684	0.147399046143376
GBM	MLLT10	cg06398735	-0.292660182393112	153	-2.40992343457848	0.0189368426164619	0.0856499823583698	0.0697789283111519
GBM	MLLT10	cg11443787	-0.101192670600995	438	-1.19054107193006	0.235892596963648	0.0102399565833615	0.427152783074053
GBM	MLLT10	cg15910013	0.0333621187002379	153	0.262839900538021	0.793545446277891	0.00111303096416877	0.88685478095853
GBM	MLLT10	cg19119538	-0.171654208616891	153	-1.37197038599135	0.175016695833855	0.0294651673358911	0.350547086398015
GBM	MLLT10	cg20569108	-0.023769468159888	153	-0.187213873684377	0.852104256447779	0.00056498761660393	0.921173844440215
GBM	MLLT10	cg23344688	-0.321090678282162	153	-2.66963164918551	0.00968176142266641	0.103099223679699	0.0415457525574996
GBM	MLLT10	cg26877631	-0.30902679043657	153	-2.55850991312936	0.0129685473769307	0.0954975572075276	0.0522372343852872
GBM	MLLT10	cg27470303	-0.285461902176563	152	-2.34531780434027	0.0222257420229158	0.0814884975942617	0.0787928078258618
GBM	MLLT10	cg27572529	-0.414245686884201	153	-3.58371662138361	0.000666736108990276	0.171599489102164	0.00478620179595732
GBM	MLLT6	cg05652455	-0.19624474597031	153	-1.57587566435996	0.120143782274717	0.0385120003209513	0.270935600147241
GBM	MORF4L	cg03589001	-0.0407143728795108	437	-0.476944986916049	0.634161204976995	0.00165766015897184	0.784539555148944
GBM	MORF4L	cg07757959	0.0782096187971893	153	0.617715255231683	0.539025414721806	0.00611674447240166	0.714565519627277
GBM	MORF4L	cg08692282	0.111387686793218	153	0.882559666146892	0.380883353340089	0.0124072167691441	0.579262581907625
GBM	MORF4L	cg13747872	-0.107504960517962	153	-0.851429323302652	0.397807568509632	0.0115573165359686	0.594428728608809
GBM	MORF4L	cg15822222	0.0653322671287309	153	0.515528178108237	0.608017436634012	0.00426830512817985	0.765836983670467
GBM	MORF4L	cg20775702	0.0755002245790784	153	0.596191020314319	0.553218160301227	0.00570028391149128	0.725273979327693
GBM	MORF4L	cg20905746	0.120716013881407	153	0.957521116640988	0.342023290137878	0.0145723560074161	0.541229019608757
GBM	MORF4L	cg23623458	-0.0674213395808705	149	-0.519054195519186	0.605664576748052	0.00454563703087905	0.764279551712728
GBM	MORF4L	cg24795825	-0.0779539967305119	152	-0.61568393667305	0.540356807407928	0.00607682560626066	0.715641432520932

GBM	MPHOSF	cg00331616	-0.060713540953116	153	-0.47894243750018	0.633664464310825	0.00368613405506569	0.784237825903634
GBM	MPHOSF	cg03134886	-0.24794863290368	153	-2.01528028122523	0.0482159357545906	0.0614785245588037	0.140474209950236
GBM	MPHOSF	cg03428000	0.34578190184715	438	4.31334228913277	3.05609551617436e-05	0.119565123645032	0.00034661888698829
GBM	MPHOSF	cg04203901	0.187801267460605	153	1.50553660011449	0.137264155165864	0.0352693160598096	0.297202287375525
GBM	MPHOSF	cg06019692	-0.380133225492829	153	-3.23610042626371	0.00194611517669179	0.144501269123582	0.011625284808075
GBM	MPHOSF	cg09559995	-0.491255824492325	153	-4.44096914483098	3.75869703647626e-05	0.241332285097634	0.000414581138885061
GBM	MPHOSF	cg11051893	-0.044203742972569	153	-0.348401169536148	0.728719198130235	0.00195397089278495	0.846589092679946
GBM	MPHOSF	cg19693579	-0.132337063234263	153	-1.05126922961429	0.297215248284832	0.0175130983054694	0.495288713773112
GBM	MPHOSF	cg20759595	-0.57824152361385	153	-5.58067173587148	5.61851229151253e-07	0.334363259631267	1.0257839596478e-05
GBM	MPHOSF	cg20952532	-0.503296137421812	153	-4.58615155805231	2.2460672297041e-05	0.253307001943715	0.00026514499858513
GBM	MPHOSF	cg21958444	-0.0724791714450286	153	-0.572206512010142	0.569251145441659	0.00525323029335785	0.73752762155225
GBM	MPHOSF	cg22656705	-0.375579107882475	153	-3.19091894484509	0.00222656620367747	0.141059666277796	0.0129515097389626
GBM	MSH6	cg00620552	-0.0276271230033258	153	-0.217619249726178	0.828440401311907	0.000763257925440896	0.907816269152278
GBM	MSH6	cg02905881	-0.0369234113221063	438	-0.432472352814883	0.666078128899264	0.00136333830366144	0.806237466307599
GBM	MSH6	cg05039065	-0.0712535908159376	153	-0.562481031080189	0.575816529613676	0.00507707420416507	0.742537688013101
GBM	MSH6	cg07652213	-0.0457309389779925	438	-0.535827503677988	0.592946622152521	0.00209131877980888	0.755140620896296
GBM	MSH6	cg09898070	0.078362565593353	153	0.618930716190498	0.538229567889239	0.00614069168637256	0.713962931134273
GBM	MSH6	cg11869233	0.0158114466642351	153	0.124515020999143	0.90131033791863	0.00025000184561595	0.947943494099286
GBM	MSH6	cg16595246	0.000606386193362655	153	0.0047746905390666	0.996205692692816	3.67704215500852e-07	0.998170169676088
GBM	MSH6	cg18222961	0.0217766628881751	153	0.171510286939043	0.864381102350257	0.000474223046545223	0.927979230804612
GBM	MSH6	cg19076255	-0.0536750228030337	153	-0.423247681947275	0.673579152269844	0.00288100807290619	0.811189630659013
GBM	MSH6	cg19736286	-0.0215347120931822	153	-0.16960382350961	0.86587389757187	0.00046374382493625	0.92874776887639
GBM	MSH6	cg21405109	-0.197523565621365	153	-1.5865603017843	0.117699755700882	0.0390155589757779	0.26721341256623
GBM	MTA1	cg01318265	0.0538918079268711	153	0.424962083106105	0.672335578132543	0.00290432696162677	0.81034431737924
GBM	MTA1	cg01655777	-0.248583951559358	153	-2.02078367492918	0.0476263924073364	0.0617939809728653	0.139282266491347
GBM	MTA1	cg05922925	-0.309009459182659	153	-2.55835127508177	0.0129738879055975	0.0954868458643596	0.0522515342580271
GBM	MTA1	cg13052453	-0.164294449649762	153	-1.31147700388384	0.194532680754719	0.0269926661857182	0.375921587963152
GBM	MTA1	cg13981078	-0.2452085521231	153	-1.9915761875348	0.050827499813815	0.0601272340343072	0.146036139773819
GBM	MTA1	cg16531924	-0.160574453966252	153	-1.28098694663496	0.204969169156738	0.02578415526656	0.389167782329321
GBM	MTA1	cg20222911	-0.199285260423786	438	-2.38031976339393	0.01867457173249	0.039714615022176	0.0690512682806848
GBM	MTA1	cg21517792	-0.319083722284518	153	-2.65104717310236	0.0101722457636517	0.101814421826943	0.0432095493577328
GBM	MTA1	cg23123838	-0.145907272393268	153	-1.16130296195552	0.249970272926051	0.0212889321372434	0.443581911357678
GBM	MTA1	cg23883989	-0.233957377262711	153	-1.89476800328259	0.0627886987577818	0.0547360543756466	0.170178753482322
GBM	MTA1	cg23966123	-0.049100526371628	153	-0.387084816815066	0.700018942901734	0.00241086168997094	0.82814901979901
GBM	MTA2	cg00501779	-0.361281496281707	152	-3.05079372262029	0.00335648178921452	0.130524319555549	0.0180165696757162
GBM	MTA2	cg07654871	-0.0894613164992319	153	-0.707254992598055	0.482058032341477	0.00800332714977574	0.66917475719514
GBM	MTA2	cg09086761	-0.16462796150248	438	-1.95357599655426	0.0527889889465651	0.0271023657084621	0.15006199097058
GBM	MTA2	cg13708959	-0.248832366169679	153	-2.02293630078132	0.0473974897748844	0.0619175464536013	0.138764124625446
GBM	MTA2	cg19570317	-0.00707039619100839	438	-0.0827589342718482	0.934164017957216	4.99905022978259e-05	0.965027429593441
GBM	MTA2	cg21002970	-0.121699431474427	153	-0.96543838575363	0.338076064163084	0.0148107516211987	0.53751235963506
GBM	MTF2	cg05396182	-0.0213732035457849	152	-0.168331225420147	0.866870638028265	0.000456813829809551	0.929245938612351
GBM	MTF2	cg05962718	-0.274397918291159	153	-2.24685408974997	0.0282193954329494	0.0752942175625218	0.0943484462915104
GBM	MTF2	cg09936581	0.0221436623085239	153	0.174402134946291	0.862117681166088	0.000490341780433944	0.926736375100517
GBM	MTF2	cg11404133	-0.220241780925463	153	-1.77783981811864	0.0803341053811215	0.0485064420652196	0.203621597263231
GBM	MTF2	cg14474880	-0.123606881396186	438	-1.45796217969752	0.147139559153407	0.0152786611284907	0.311732348509945
GBM	MTF2	cg15463775	-0.280343687417533	153	-2.29964487193857	0.0248486424003325	0.0785925830748592	0.0858229127549045
GBM	MTF2	cg16813892	0.0578240407696602	153	0.456070053146388	0.649933138274915	0.00334361969093132	0.795259629164021
GBM	MTF2	cg19708337	-0.287455054245759	152	-2.36316270291601	0.0212698791239794	0.0826304082114322	0.0763234859452457
GBM	MTF2	cg22801127	0.098535591772886	153	0.779664240231378	0.438554693357397	0.00970926284603283	0.631245468111927
GBM	MTF2	cg23992808	-0.264210959796656	153	-2.15705014194391	0.034886336109406	0.0698074312766701	0.110588306560252
GBM	MTF2	cg26054395	-0.135961504284897	438	-1.60630455697705	0.110509497709662	0.0184855306474121	0.255839534113783
GBM	NAP1L2	cg02379437	-0.155308638636774	152	-1.22789857029965	0.224202130154927	0.0241207732352081	0.413369768188315
GBM	NAP1L2	cg04297329	-0.145170598097136	438	-1.7173710176163	0.0881710235284544	0.0210745025518802	0.217739191892227
GBM	NAP1L2	cg07693661	-0.137560538281062	152	-1.08469394320352	0.282325663708762	0.0189229016921756	0.479483968968244
GBM	NAP1L2	cg20001978	-0.0863210925418961	153	-0.68223951124864	0.49762854010836	0.00745133101762659	0.682014633895737
GBM	NAP1L2	cg23483095	-0.158762198800313	153	-1.26615361847245	0.210194838157586	0.0252054357679102	0.395826999750804
GBM	NCOA1	cg11380327	-0.239556356736189	153	-1.9428393406121	0.0565800246138394	0.0573872480527164	0.157751646290912

GBM	NCOA1	cg13911252	0.00142455411710724	153	0.0112169617166596	0.991086363209994	2.02935443256719e-06	0.995218501627167
GBM	NCOA1	cg15477048	0.139354166638712	153	1.10808785659016	0.272104080644353	0.01941958375957	0.468491714237207
GBM	NCOA1	cg23006163	-0.274424964271886	153	-2.24709358585087	0.0282032336166437	0.0753090610156258	0.0943065702116131
GBM	NCOA3	cg04175879	-0.32379706303391	153	-2.69475643072383	0.00905297815296291	0.104844538029386	0.039518959790786
GBM	NCOA3	cg09568061	0.207824040138572	153	1.67293460221252	0.0993792773319623	0.0431908316595186	0.237179761343805
GBM	NCOA3	cg12128876	0.0719622549398407	438	0.844486050635952	0.399870133809019	0.00517856613602663	0.596500425494513
GBM	NCOA3	cg14341558	-0.0671673848558343	153	-0.530073571089583	0.597954237577456	0.00451145758837176	0.758623111616501
GBM	NCOA3	cg14774045	0.0672463271880236	153	0.53069939891642	0.597523003273023	0.00452206852027872	0.75836046197278
GBM	NCOA3	cg18295930	0.181129689457565	153	1.45020410946754	0.152041902891477	0.0328079644029938	0.31867517495257
GBM	NCOA3	cg21735648	0.0995299528729128	153	0.787610460003677	0.433925369466551	0.00990621151888424	0.627484621675574
GBM	NCOA3	cg22511723	0.0458354527405953	153	0.361288428720572	0.719112105423295	0.00210088872793534	0.840622806192427
GBM	NCOA3	cg22876277	0.102757845109004	153	0.813422011007989	0.419089033232875	0.010559174731446	0.614470652999442
GBM	NCOA3	cg24856420	0.241677592884246	153	1.96110508168263	0.0543621078995404	0.0584080589023235	0.153370777614305
GBM	NCOA3	cg25373408	0.301025244103323	153	2.48556517114416	0.0156450608793626	0.090616197587465	0.0603024422351578
GBM	NCOR1	cg00253204	-0.0297550193554335	153	-0.234395041808002	0.815450641561967	0.000885361176842225	0.900665358144551
GBM	NCOR1	cg08125503	0.0678729846178479	153	0.535667681006464	0.59410469722682	0.00460674204093461	0.755809988815425
GBM	NCOR1	cg08206308	0.0725667060121852	153	0.572901233580731	0.568783563876413	0.00526592682145891	0.737165927654145
GBM	NCOR1	cg21211144	0.0341250415827972	153	0.268857436449621	0.788932043409588	0.00116451846302764	0.88385747757032
GBM	NCOR1	cg22291359	0.126665994144643	153	1.00546764998861	0.318579831540679	0.0160442740726506	0.517910785425631
GBM	NCOR1	cg22625220	0.142605419789426	153	1.13447092333485	0.260964274499611	0.0203363057533183	0.456232971603729
GBM	NCOR2	cg08976554	-0.19244161493879	153	-1.54414937528205	0.12764140472614	0.0370337751602496	0.282528180710901
GBM	NCOR2	cg10641483	0.314913778243578	153	2.61255987572455	0.0112607643450104	0.0991706877276454	0.0467734476723657
GBM	NCOR2	cg13416396	0.072841211884483	153	0.575079946731248	0.567318403890057	0.00530584214880015	0.736007736512292
GBM	NCOR2	cg13419087	0.0447587382732829	153	0.352784208933839	0.725446773396361	0.00200334465181624	0.844500071671577
GBM	NCOR2	cg13857025	0.0944347521485778	153	0.746917918552347	0.457936337497017	0.00891792241336331	0.64798100038639
GBM	NCOR2	cg16181859	0.0430352511167893	153	0.339174132526225	0.735624713584754	0.00185203283868511	0.850961917748882
GBM	NCOR2	cg19895345	-0.214657061504369	153	-1.73055144152185	0.0885065738164149	0.0460776540536906	0.218316963773042
GBM	NCOR2	cg23611643	0.0832517282109991	153	0.657808312526101	0.513096325709403	0.00693085025011807	0.694780170270966
GBM	NCOR2	cg24626542	0.136864274992141	153	1.08790779884208	0.28084689815583	0.0187318297691243	0.478016094060618
GBM	NCOR2	cg25113767	-0.123080801315234	153	-0.976564356631851	0.332579963282964	0.0151488836524002	0.532316798280695
GBM	NCOR2	cg25449924	0.0642028478819846	153	0.506578868371139	0.614247179826605	0.00412200567615726	0.77057826955094
GBM	ORC1	cg00298020	-0.0684547968061731	153	-0.540280989917868	0.590938848301436	0.00468605920577445	0.753767019704569
GBM	ORC1	cg02275620	0.00737099285132261	153	0.058040832495795	0.953902765326446	5.4331535614249e-05	0.975563901850235
GBM	ORC1	cg04407474	0.0816624527044957	153	0.645165620224798	0.521200233883734	0.006668756181714	0.70131848998943
GBM	ORC1	cg07142859	-0.0692679702030441	153	-0.546729738659939	0.586526810868623	0.00479805169604981	0.750613060550005
GBM	ORC1	cg08613513	-0.130459661692682	438	-1.54015393440912	0.125829419631512	0.0170197233289691	0.279687244515954
GBM	ORC1	cg10586599	0.106834458932697	438	1.25766311202699	0.210653149737184	0.011413601615442	0.39639948551449
GBM	ORC1	cg13460942	0.100353861326626	153	0.794196349021168	0.430110566224308	0.0100708974831636	0.624126044820164
GBM	ORC1	cg16136434	0.197139263533135	153	1.58334854511871	0.118430183115001	0.038863889226387	0.268339187547283
GBM	ORC1	cg16965475	-0.182080941813042	153	-1.45808070954687	0.149865503420667	0.0331534693715242	0.31544784688729
GBM	ORC1	cg17146111	-0.238622084293774	153	-1.93480380230076	0.0575799102426144	0.056940499112705	0.15977783261687
GBM	ORC1	cg19776520	0.153479944339722	153	1.22299259638647	0.225960849590117	0.0235560933145242	0.415398027577891
GBM	ORC1	cg21197365	-0.0677471458637002	153	-0.534669951936187	0.59479042506354	0.00458967577267747	0.756286592909565
GBM	ORC1	cg23606758	0.0833777757839536	153	0.658811236433521	0.512456345919264	0.00695185349467924	0.694324485334365
GBM	ORC1	cg25605769	0.16861604704877	153	1.34697025953664	0.182892685598533	0.028431371322353	0.360856345747205
GBM	PADI1	cg14524955	0.178148370603653	153	1.42554521124177	0.159015008359198	0.0317368419487365	0.328371564034176
GBM	PADI1	cg21010178	0.0834164651920919	153	0.659119083195243	0.512259990131925	0.00695830666514349	0.694155161600498
GBM	PADI1	cg22193702	0.197907525202805	438	2.36319045671116	0.0195239138068832	0.0391673885318989	0.0714745721946575
GBM	PADI2	cg00569276	-0.258083986861549	153	-2.10341377680225	0.0394940104365618	0.0666073442743521	0.12135228090299
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GBM	PADI2	cg07014827	-0.101359534571174	152	-0.80223740795743	0.425480018967762	0.010273755248485	0.620148248127892
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GBM	PADI2	cg10233913	-0.108095318435147	153	-0.856160028740692	0.395206168964986	0.0116845978675958	0.591858251038812
GBM	PADI2	cg15185794	-0.0796437733894867	438	-0.935177161102335	0.351342465879225	0.00634313063971591	0.550278554270354
GBM	PADI2	cg17183414	0.0579382820366531	153	0.456974129269186	0.649286762702336	0.00335684452535876	0.794837956159835
GBM	PADI2	cg18228326	0.0330184867209764	153	0.260129662438957	0.795625707255891	0.0010902204653433	0.888162451139064
GBM	PADI2	cg18879300	-0.295472961855398	153	-2.43528941602623	0.0177695662702689	0.0873042711876014	0.0664950521155081

GBM	PADI2	cg19282714	-0.0642968596123212	438	-0.75413589276552	0.452061882166242	0.00413408615600654	0.642590818063775
GBM	PADI3	cg01459162	-0.150220068921685	438	-1.7784617737432	0.0775460244376077	0.0225660691068357	0.198523031570293
GBM	PADI3	cg12858514	-0.0935679959325968	438	-1.10001118181441	0.273256386465758	0.00875496986284245	0.469596786443342
GBM	PADI3	cg14664242	-0.0709270442000917	153	-0.559890184698072	0.577571692367893	0.00503064559896176	0.744061010417272
GBM	PADI3	cg17589397	-0.224255439711963	153	-1.81193844815107	0.0748390416944981	0.0502905022404057	0.193602966533047
GBM	PADI3	cg18768338	0.0227124117712994	153	0.178883854021155	0.858612180282249	0.000515853648469058	0.924867780186889
GBM	PADI3	cg21966975	-0.0155205056837332	153	-0.122223305796513	0.903117477243484	0.000240886096678794	0.948758505509675
GBM	PADI4	cg16091981	-0.126865166561657	153	-1.00707451137413	0.317813270902284	0.016094770486717	0.517107956089942
GBM	PADI4	cg18333690	-0.174658917032763	438	-2.07624416486636	0.039740324159388	0.0305057372990574	0.121902084998834
GBM	PADI4	cg19159961	0.250340015235403	153	2.0360099169756	0.0460275432872829	0.062670123228062	0.135807002820353
GBM	PADI4	cg21295838	-0.0958589557319654	153	-0.758286135270653	0.451152590501823	0.00918893939402291	0.641778935130814
GBM	PADI4	cg23228178	0.278291965099786	438	3.39129173382327	0.000909358228777591	0.0774464178391005	0.00620307545599195
GBM	PADI4	cg26918754	-0.128351937489992	153	-1.01907324457159	0.312128387334946	0.0164742198574348	0.511118693336452
GBM	PADI6	cg12643633	-0.00069336332968823	153	-0.0054595496298629	0.995661460298636	4.80752706956353e-07	0.997803440072038
GBM	PADI6	cg16017904	-0.0472185857075396	153	-0.372214691185021	0.711002270944302	0.00222959483622026	0.835486468375164
GBM	PARP1	cg00653565	0.0243904065319042	153	0.192107403155348	0.848285903989322	0.000594891930791555	0.919000022489769
GBM	PARP1	cg02088626	0.279214465080966	153	2.28959699511681	0.0254612640511662	0.0779607175104498	0.0873878750373434
GBM	PARP1	cg03149313	-0.0377116117608659	153	-0.29715290345399	0.767343094497929	0.00142216566160228	0.871125870427109
GBM	PARP1	cg04960271	0.0992821484699952	438	1.16783766377733	0.244900651659319	0.00985694500481817	0.437811409485823
GBM	PARP1	cg07113065	-0.317768292782023	153	-2.63888782116466	0.0105053093194439	0.100976687897602	0.0442833938334769
GBM	PARP1	cg17661881	0.152649288089624	438	1.80790195450846	0.0728154344716754	0.0233018051542691	0.189781690876759
GBM	PARP1	cg25722198	-0.276208785372575	153	-2.26290235373847	0.0271543246952402	0.0762912931169934	0.0916540929946858
GBM	PARP1	cg26464410	-0.0606900557373318	153	-0.478756487918529	0.633796012001901	0.00368328286540043	0.784345502174221
GBM	PARP2	cg01813761	-0.216045633580384	151	-1.7281844093036	0.0890146433313308	0.0466757157891497	0.219132536278752
GBM	PARP2	cg10910545	-0.290924477854384	153	-2.39430484133842	0.0196892900101211	0.084637051814846	0.0719463738841796
GBM	PARP2	cg15078479	-0.0694485534231842	438	-0.814841884758964	0.416577051309003	0.00482310157257286	0.612126386036276
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GBM	PARP2	cg19540080	-0.191106738113566	153	-1.53303085179499	0.130355525848608	0.036521785352407	0.28675709133205
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GBM	PARP2	cg26206608	-0.196054765618239	153	-1.57428907886544	0.120510147847191	0.0384374711216225	0.271507465281981
GBM	PARP2	cg26430074	0.0295529797309932	153	0.232802079487852	0.81668192838842	0.000873378610980497	0.901426887139977
GBM	PAXIP1	cg02824291	0.200754667333925	153	1.61359410873854	0.111694224191401	0.0403024364563549	0.257639224240818
GBM	PAXIP1	cg12220104	0.00448027049691928	153	0.0352780392371535	0.971971370592501	2.00728237255654e-05	0.985192714056977
GBM	PAXIP1	cg22583711	-0.138666354410621	153	-1.10251115574909	0.27450083282204	0.0192283578455319	0.470996311849236
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GBM	PAXIP1	cg24452135	0.0238519042551394	153	0.187863528551277	0.851597133312894	0.000568913336596335	0.920863367754122
GBM	PCGF1	cg03203239	0.0639061280072248	153	0.504228040474593	0.615888390669951	0.00408399319687581	0.771635983118247
GBM	PCGF1	cg08092637	-0.0200358756976588	153	-0.157794318370161	0.875131672170875	0.000401436314972033	0.933881938338286
GBM	PCGF1	cg27306986	0.0781526286700265	153	0.617262368612661	0.539322105503743	0.00610783336803505	0.714729036073016
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GBM	PCGF2	cg17902383	-0.122729179212591	153	-0.973731741696033	0.333973602968407	0.0150624514301964	0.533561777096918
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GBM	PCGF2	cg25377665	-0.0527076371578268	153	-0.415598036914861	0.679139073323327	0.00277809501476113	0.81483281775035
GBM	PCGF5	cg03905463	0.119556698218696	153	0.948191404844869	0.346713305472105	0.0142938040889564	0.546015034431393
GBM	PCGF5	cg06001881	-0.404604790133453	153	-3.48375114225065	0.000912944912157647	0.163705036198935	0.00622014682925136
GBM	PCGF5	cg07421809	-0.325643631835496	153	-2.71194144356857	0.00864464883019233	0.106043774955012	0.0381301701590963
GBM	PCGF5	cg07424295	-0.0254635464185708	153	-0.20056519799813	0.841695046985619	0.000648392196210711	0.915262918958349
GBM	PCGF5	cg08633154	0.0262096145397293	438	0.306881096118854	0.759399825916892	0.000686943894321187	0.866062921398835
GBM	PCGF5	cg11113644	0.0353495924424076	153	0.278517040198535	0.781542306723384	0.00124959368584432	0.879321110278629
GBM	PCGF5	cg12783297	-0.331093315515499	153	-2.76286228699677	0.00753173316746191	0.109622783579046	0.0342966313527003
GBM	PCGF5	cg15550435	-0.289104300378604	153	-2.37795386407418	0.0205055689080278	0.0835812964974023	0.0742237872758845
GBM	PCGF5	cg17001035	0.0161685136286292	438	0.189272341509162	0.850159491273903	0.000261420832959168	0.920107198370381
GBM	PCGF5	cg20515900	-0.289631153751998	153	-2.38268377595932	0.0202663873740031	0.0838862052237132	0.0735630524156959
GBM	PCGF5	cg22968329	0.0304325344727018	153	0.239737056717416	0.811324932565831	0.000926139154432181	0.898272398440542
GBM	PCGF5	cg23395902	0.0178677334468029	153	0.140713137393475	0.888552742413405	0.000319255898526001	0.940834778937383
GBM	PCGF5	cg25390656	0.329679366191132	153	2.74962110472487	0.00780772482830526	0.108688484492186	0.035278744571829

GBM	PCGF6	cg01917164	-0.207610968901336	153	-1.67114212954145	0.0997343133051364	0.0431023144081514	0.237822804354456
GBM	PCGF6	cg06691148	-0.0456027989737277	153	-0.359450752354957	0.720479308284789	0.00207961527423822	0.841525543641626
GBM	PCGF6	cg11612727	-0.00913971549760841	153	-0.0719691978090304	0.942858083963264	8.35343993772233e-05	0.969581158490734
GBM	PCGF6	cg11814370	-0.367396214568112	153	-3.11040858692842	0.00282244981474784	0.134979978478978	0.0156835472063209
GBM	PCGF6	cg14409890	-0.346907174424597	153	-2.91241216757978	0.00497973212049179	0.120344587667258	0.0246839761072795
GBM	PCGF6	cg16113748	-0.29315872000375	153	-2.41441429007142	0.0187253095281032	0.0859420351142373	0.0691895473273137
GBM	PCGF6	cg16382383	0.255718582753993	153	2.08277993433093	0.041402723784291	0.0653919935657107	0.125515236018844
GBM	PCGF6	cg24418712	-0.241786679304064	153	-1.96204521766957	0.0542499905916595	0.0584607982888861	0.153159998841864
GBM	PCGF6	cg25481680	-0.154720775076907	153	-1.23312155645051	0.222185383784146	0.0239385182403987	0.410699276388915
GBM	PCGF6	cg26155979	-0.182645490446417	153	-1.46275730958634	0.148584865213512	0.0333593751804122	0.313684697422536
GBM	PCGF6	cg27217148	-0.0506010807032979	438	-0.59303016919322	0.554138659601643	0.00256046936834167	0.725918378126635
GBM	PHC1	cg02770112	-0.163244756795786	153	-1.30286768654878	0.197438285646798	0.0266488506213153	0.379744208312285
GBM	PHC1	cg08021945	-0.388811266920047	153	-3.32296219756823	0.00149774983787359	0.151174201283972	0.00938887597804496
GBM	PHC1	cg08867249	-0.309713796143378	153	-2.5648005501255	0.0127583727859161	0.0959226355215418	0.0516133568646677
GBM	PHC1	cg09059548	-0.0632173477228283	438	-0.741423091289423	0.459705994538138	0.00399643305310899	0.649551703490925
GBM	PHC1	cg09912793	-0.502351741868684	153	-4.57463765727153	2.34028054086806e-05	0.252357272558501	0.00027472428609671
GBM	PHC1	cg12581035	0.0175217516077812	438	0.205118333768648	0.837784121340065	0.000307011779404782	0.913167557706555
GBM	PHC1	cg14199415	-0.167323451022829	153	-1.33634590141576	0.186320128450943	0.0279971372621891	0.365259382423524
GBM	PHC2	cg06899053	-0.191270288192131	153	-1.53439262533909	0.130020660810092	0.036584323145101	0.286198497172212
GBM	PHC2	cg13640100	0.113287017818634	153	0.897802651014288	0.372764056379164	0.0128339484062396	0.57139380508681
GBM	PHC2	cg15586632	-0.302643450545297	153	-2.50026995678322	0.0150684804128048	0.0915930581579639	0.0585796494544869
GBM	PHC2	cg16558908	-0.139480565790089	153	-1.10911286371783	0.271665154625869	0.0194548282331232	0.467968358516526
GBM	PHC2	cg17161743	-0.112293186662706	153	-0.8898254770798	0.37699937509758	0.0126097597708654	0.575557280574305
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GBM	PHC2	cg21198021	0.0394530080689731	438	0.4621454339845	0.644710108901955	0.00155653984569045	0.79159358910208
GBM	PHC2	cg21578869	-0.0853737969735692	153	-0.674697274435524	0.502376362654123	0.00728868520968422	0.686007841957431
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GBM	PHF1	cg01097444	-0.0644471916662223	153	-0.508514836535888	0.612897083714347	0.00415344051366279	0.7694868829862
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GBM	PHF1	cg03876174	-0.263580246310136	152	-2.15151597734511	0.03533895941296	0.0694745462449118	0.111618311350865
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GBM	PHF1	cg07857404	-0.253810832702131	153	-2.06616747080528	0.0429970981922748	0.0644199387969494	0.129062632896162
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GBM	PHF1	cg10033570	-0.0582816316960211	153	-0.459691419087914	0.64734564654587	0.00339674859315065	0.793303382504283
GBM	PHF1	cg10797813	-0.313577933381416	153	-2.60026612366691	0.0116301704287223	0.09833112030376	0.0479621224730717
GBM	PHF1	cg13303256	-0.11783160872347	438	-1.38885898041393	0.167129296326632	0.0138842880143609	0.339833522677997
GBM	PHF1	cg13528777	-0.194001144209712	153	-1.55715036540136	0.124525070947076	0.0376364439546774	0.277644761378488
GBM	PHF1	cg13547657	-0.0640459444704428	152	-0.505335750118604	0.615114806609891	0.00410188300311104	0.770994531039068
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GBM	PHF1	cg20135607	-0.191079349703653	153	-1.53280281954296	0.130411666748228	0.0365113178831708	0.28681570742428
GBM	PHF1	cg20872639	0.0417573764761389	153	0.329084945520161	0.743200570065258	0.00174367849017	0.855605325839317
GBM	PHF1	cg23345642	0.0206943693739699	153	0.16298253033414	0.871062263863441	0.000428256923786305	0.931528357535337
GBM	PHF1	cg23718418	-0.201666428423055	153	-1.62123246249254	0.110042981278211	0.0406693483529113	0.255078325602847
GBM	PHF1	cg24796663	-0.378767115634133	153	-3.22251861561551	0.0020267219393061	0.143464527885801	0.0120227853093167
GBM	PHF1	cg26673053	-0.0873093515704381	153	-0.690109880830309	0.492700363413078	0.00762292287165037	0.678127668365539
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GBM	PHF10	cg05736120	-0.0868214221236512	153	-0.686223817484421	0.495130338977632	0.00753795933957322	0.680027093380728
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GBM	PHF10	cg15342139	-0.109926334205577	153	-0.870838330293915	0.387201891226152	0.0120837989518762	0.585154222780023
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GBM	PHF12	cg06895197	0.0152983525739964	153	0.120473447230199	0.904497680564641	0.000234039591478301	0.949357680480391
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GBM	PHF14	cg06715026	-0.045168324832325	153	-0.356019101900993	0.723034852706108	0.00204017756815843	0.843054801951753
GBM	PHF14	cg07287563	-0.24957742158026	153	-2.02939510016737	0.0467163621494822	0.062288889362651	0.137302228155836
GBM	PHF14	cg07574654	0.11810264279278	153	0.936495302215897	0.352651857570725	0.0139482342346389	0.551640766666472
GBM	PHF14	cg11931558	-0.404748296021497	153	-3.48522879225807	0.000908746021701562	0.163821183132305	0.00620077081065269
GBM	PHF14	cg13029706	-0.346658607564533	153	-2.91004021302117	0.00501303507814126	0.120172190198581	0.0248191975350933
GBM	PHF14	cg16800461	-0.126011087888763	153	-1.0001849393173	0.32110870781687	0.0158787942709097	0.520530281034545
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GBM	PHF14	cg22876561	-0.323051405858054	153	-2.68782677244798	0.00922256552623366	0.104362210826865	0.0400569629025638
GBM	PHF14	cg23083824	-0.12567234707035	153	-0.997453055263838	0.322421738086514	0.0157935388181705	0.52180230049777
GBM	PHF14	cg24491907	0.193815824875759	153	1.55560481385165	0.124892325535351	0.0375645739722707	0.278224379963264
GBM	PHF19	cg11054680	0.191988848353166	151	1.52790428009109	0.13170543675646	0.0368597178919751	0.288681752142232
GBM	PHF19	cg11594303	-0.0919508440068025	153	-0.72710200291846	0.469900124685219	0.00845495771356334	0.658599135310168
GBM	PHF19	cg13501527	0.205438311639265	153	1.65287867480366	0.103411144694776	0.0422048998891916	0.243910558641423
GBM	PHF19	cg13793166	0.154814497272057	121	1.0969265130976	0.278035155181942	0.0239675285655998	0.474861508753738
GBM	PHF19	cg13851767	0.0395636545519513	153	0.311768626052953	0.756262385251395	0.00156528276150613	0.864055107593889
GBM	PHF19	cg13852822	0.171763729725748	153	1.37287235083107	0.174737464580006	0.0295027788492996	0.350163615949338
GBM	PHF19	cg14218513	0.16315848236034	153	1.30216028789737	0.19767846839008	0.0266206903661294	0.380074609375397
GBM	PHF19	cg27207079	0.00980990808177981	153	0.0772470104745518	0.938675792940516	9.62342965729689e-05	0.967215552701976
GBM	PHF20	cg01512265	-0.239588754715406	153	-1.94311809336505	0.0565456058900418	0.0574027713860788	0.157689592221462
GBM	PHF20	cg02674305	-0.240833314010481	153	-1.95383152726523	0.0552362366539152	0.0580006851372711	0.155100082810131
GBM	PHF20	cg02957488	0.0360992155608078	153	0.284430896528534	0.77702802402683	0.00130315336410567	0.876694968834564
GBM	PHF20	cg04179482	0.00865758639843228	153	0.068172458411553	0.945867735020427	7.49538022463196e-05	0.97109570134717
GBM	PHF20	cg09692677	-0.198296500189123	153	-1.59302231268792	0.11624111933877	0.0393215019872547	0.264861378880388
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GBM	PHF20	cg21765224	-0.174187743856979	153	-1.39284889923233	0.168640080896036	0.0303413701099846	0.341832420157541
GBM	PHF20	cg23538717	0.103925499445696	153	0.822765405990266	0.413794730571925	0.0108005094350373	0.609396245458737
GBM	PHF20	cg23734815	-0.0508156801872835	153	-0.400640674135867	0.690061978319255	0.00258223335289628	0.821904333481866
GBM	PHF20	cg25561939	0.11420580603656	153	0.905179906517366	0.368874234443733	0.0130429661324604	0.567609230291242
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GBM	PHF20L1	cg02898212	0.187121946944273	153	1.49989275086642	0.138717484821097	0.0350146230282154	0.299336717821209
GBM	PHF20L1	cg05307234	0.0162434083294226	153	0.127917601621716	0.898628191111359	0.000263848314156354	0.946402067219693
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GBM	PHF20L1	cg17646969	-0.0974394852091998	153	-0.770907675363015	0.443689634323922	0.00949445327783386	0.635788384047726
GBM	PHF20L1	cg24511731	-0.110864297092528	153	-0.878360957280763	0.383139229744351	0.0122908923698202	0.581363655205525
GBM	PHF20L1	cg26292018	0.165115977041978	153	1.31821815792058	0.192280096644123	0.0272632858745269	0.37289320033736
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GBM	PHF21B	cg01775414	-0.1072512747785	438	-1.26262688535785	0.208868232469163	0.0115028359416134	0.394108401288076
GBM	PHF21B	cg01995480	-0.219810595346672	153	-1.77418230136642	0.080942975501674	0.0483166978266586	0.204630312629826
GBM	PHF21B	cg05064352	-0.151358831937854	438	-1.79225852514816	0.0752984838674365	0.0229094960055916	0.194442350593619

GBM	PHF21B	cg10080155	-0.0736975432330147	153	-0.581877370574618	0.562759151310978	0.00543132787858206	0.732878957223432
GBM	PHF21B	cg11428482	-0.154104946707009	153	-1.22809377637766	0.224053614141759	0.0237483345995701	0.413151295594577
GBM	PHF21B	cg14786713	-0.117832026366469	153	-0.934319199813405	0.353763979587713	0.0138843864376282	0.552791303164539
GBM	PHF21B	cg15679813	-0.24761663406477	153	-2.01240547233606	0.0485263849194555	0.0613139974655662	0.141113247174945
GBM	PHF21B	cg20495645	-0.216692570293611	153	-1.74776611343891	0.0854553518108174	0.0469556700204517	0.212821770297107
GBM	PHF21B	cg20525183	-0.0889262943345913	153	-0.702991446847542	0.484692485935835	0.00790788582408236	0.671418067467234
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GBM	PHF21B	cg23080354	-0.190911373749952	153	-1.53140435538653	0.130756385096054	0.0364471526270938	0.287305810539822
GBM	PHF21B	cg25561581	-0.177216897225728	153	-1.41784921673869	0.161241330975215	0.0314058286623141	0.331449695801248
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GBM	PHF23	cg00039960	0.000241754807466449	152	0.00190357931319874	0.998487276129694	5.84453869331399e-08	0.999180848459396
GBM	PHF23	cg01441172	-0.0094566494964047	153	-0.0744650623098807	0.940880080515655	8.94282196978513e-05	0.96840938398096
GBM	PHF23	cg04379155	-0.111614373729228	153	-0.884378412531226	0.379908778453311	0.0124577684229678	0.578352629233265
GBM	PHF23	cg11180288	0.196893269995797	153	1.58129308361745	0.118899550140785	0.0387669597696378	0.26907687463208
GBM	PHF23	cg13351208	0.0725952410948332	153	0.573127706273699	0.568631177327276	0.00527006902961696	0.737034835785303
GBM	PHF23	cg22033559	-0.202096778708416	153	-1.62483928224293	0.109270162851145	0.0408431079643183	0.253695139786968
GBM	PHF23	cg26213471	-0.167848263201786	153	-1.34065868189435	0.18492299725072	0.0281730394598561	0.363471563152709
GBM	PHF23	cg26784276	-0.0208637297411341	153	-0.164316939344703	0.870016171840042	0.000435295218711084	0.931066788715891
GBM	PHIP	cg01492710	0.026822802159606	153	0.211278972754924	0.833362529400439	0.000719462715693365	0.910631728009464
GBM	PHIP	cg04480383	-0.287129169595322	153	-2.3602427439479	0.0214237333522967	0.082443160032499	0.0767470027817541
GBM	PHIP	cg05801338	-0.378446584095219	153	-3.21933547162151	0.00204606225257121	0.14322181701334	0.0121162645106588
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GBM	PHIP	cg21875336	-0.381546089553613	152	-3.25017310852965	0.00186578123501114	0.145577418453654	0.0112313386322696
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GBM	PHRF1	cg06063517	-0.240804058178139	153	-1.95357956961434	0.0552667305074879	0.0579865944350604	0.15516330553609
GBM	PHRF1	cg07530960	-0.257780943369454	153	-2.10076802148475	0.0397343984542803	0.0664510147644459	0.121894366144958
GBM	PHRF1	cg08482978	-0.278746346002563	153	-2.2854346722296	0.0257189382229614	0.0776995254097804	0.08801984427069
GBM	PHRF1	cg12469954	-0.256849219019272	153	-2.0926376523486	0.0404810832015188	0.0659715213108101	0.123439377021753
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GBM	PRDM1	cg00555933	-0.214713604824728	151	-1.7170126558674	0.0910507594668289	0.0461019320968294	0.222667197597719
GBM	PRDM1	cg01761420	0.0257232724438967	152	0.202612293795577	0.84010150607954	0.000661686745222937	0.914341320035211
GBM	PRDM1	cg05170275	-0.0803194471605472	153	-0.634485872778347	0.528098131926399	0.00645121359217594	0.70652242682607
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GBM	PRDM1	cg17143179	-0.246169802706861	153	-1.99988602418151	0.0498984794650215	0.0605995717647348	0.14406597995626
GBM	PRDM1	cg17521665	-0.209955571805134	153	-1.69087997176627	0.0958814693923246	0.0440813421320209	0.231103522161484
GBM	PRDM1	cg17965230	0.0288679052980823	438	0.338031048015565	0.735857224736459	0.000833355956299049	0.851015757223425
GBM	PRDM1	cg19464016	-0.0533721649608871	438	-0.625596843733707	0.532620177078288	0.00284858799261215	0.709929524386328
GBM	PRDM1	cg22186515	-0.086146105349712	153	-0.680846147576936	0.498503813154501	0.00742115146692367	0.682780436945988

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GBM	PRDM1	cg24040346	-0.10625816939559	153	-0.841441420116217	0.403334501235926	0.0112907985633018	0.599793630438851
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GBM	PRDM10	cg17627813	0.136585769533958	153	1.08565188400339	0.281836261246585	0.0186556724391836	0.478927541358699
GBM	PRDM12	cg09191327	-0.0585718070882231	438	-0.686744429404275	0.493404558176782	0.00343065658558002	0.678724633508471
GBM	PRDM12	cg12539975	-0.0613916398670089	438	-0.719928684043499	0.472795335843139	0.00376893344556052	0.660880446267675
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GBM	PRDM13	cg00579292	0.0599478309838931	153	0.472880162731787	0.637959233571012	0.00359374243967341	0.787056165317463
GBM	PRDM13	cg01422797	0.302862513662703	153	2.50226242774421	0.0149918472799701	0.091725702182091	0.0583546366105269
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GBM	PRDM13	cg02400433	0.026498540477547	153	0.208723009032227	0.835348698587947	0.000702172647440194	0.911827125972916
GBM	PRDM13	cg03120185	0.0799709113099558	153	0.631714843098379	0.529895656272524	0.00639534665574482	0.708016475729118
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GBM	PRDM13	cg17879189	0.0370886321539878	153	0.292237246688256	0.771080938293928	0.00137556663505382	0.873125535117432
GBM	PRDM13	cg17978124	0.281999073135318	153	2.31439332250309	0.0239731053940534	0.0795234772491782	0.0835183054646211
GBM	PRDM13	cg25273233	-0.0120677759700539	153	-0.0950286828333186	0.924598513765234	0.00014563121686341	0.96020846285371
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GBM	PRDM14	cg00384539	-0.196720204965298	153	-1.57984718099063	0.119230617701731	0.0386988390415888	0.269556136980193
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GBM	PRDM14	cg04838988	0.0182115146286684	153	0.143421395073392	0.886422514206412	0.000331659265070202	0.939767317316644
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GBM	PRDM14	cg21255438	-0.0319329920184091	153	-0.251568927736461	0.80220626767797	0.00101971597924778	0.892082653430636
GBM	PRDM14	cg27029821	-0.241303674053588	153	-1.95788314798496	0.0547478476648894	0.0582274631117603	0.154151582078338
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GBM	PRDM4	cg03909902	-0.0602405195830807	153	-0.475197335797538	0.636316170612512	0.00362892019963952	0.785946618708371
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GBM	PRDM4	cg18440127	-0.075330870093391	153	-0.594846063917009	0.554111195117643	0.00567473998902735	0.725918378126635
GBM	PRDM4	cg25995916	0.0690096360395777	438	0.809667333119606	0.419535446835603	0.00476232986631498	0.614870771498283
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GBM	PRDM5	cg05713693	-0.0155794543190604	153	-0.122687636219215	0.90275128615693	0.00024271939687969	0.948559716391896
GBM	PRDM5	cg06329345	-0.102442759299888	153	-0.810901325554779	0.42052430578791	0.0104945189329747	0.61571685320456
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GBM	PRDM5	cg11171429	-0.155415094126565	153	-1.23879192094048	0.220092121259601	0.0241538514823689	0.408265689381216
GBM	PRDM5	cg13155001	0.0059711286253731	153	0.0470175520111605	0.96265036202114	3.56543770607501e-05	0.980381769974899
GBM	PRDM5	cg18181323	0.359432008530754	153	3.03285209980401	0.00353479684626012	0.129191368756452	0.0187908969425967
GBM	PRDM5	cg19294653	-0.0964623671005258	153	-0.76310407292902	0.448295252256973	0.0093049882666366	0.639691126858634
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GBM	PRDM8	cg01304890	-0.119811376054417	153	-0.950240612188221	0.345679597546555	0.014354765832053	0.544953059183673
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GBM	PRDM8	cg05007549	-0.104241510433489	153	-0.825294668185529	0.412368562979983	0.0108662924974552	0.608013209275117
GBM	PRDM8	cg07462804	-0.0965281351162443	153	-0.763629248833362	0.447984427665007	0.00931768086901991	0.639470459380384

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GBM	PRDM8	cg26162932	0.0490376700852231	153	0.386588093001241	0.700384811521944	0.00240469308738718	0.828365428012742
GBM	PRKAA1	cg00301775	-0.311195037093078	153	-2.57837881907799	0.0123152019461385	0.0968423511113619	0.0501753859954907
GBM	PRKAA1	cg01883943	-0.246297019398837	153	-2.00098625937828	0.0497765756907754	0.0606622217647512	0.143829693902778
GBM	PRKAA1	cg03125217	0.297699448669637	153	2.45541729409639	0.016889733030845	0.0886249617382057	0.0638991332528689
GBM	PRKAA1	cg05874655	0.0862807541222137	153	0.681918304454515	0.497830239094539	0.0074443685318979	0.682168691513185
GBM	PRKAA1	cg06971720	0.174767664384794	153	1.39763193878914	0.167204720017895	0.0305437365145159	0.339939476723574
GBM	PRKAA1	cg10786880	0.0351145373677689	438	0.411258747937654	0.681525432989961	0.00123303073455244	0.816298228411818
GBM	PRKAA1	cg24728477	0.00126779467060099	153	0.00998263324150543	0.992067195779817	1.60730332680427e-06	0.995784705919427
GBM	PRKCD	cg02121118	-0.150542374120273	153	-1.199036590946	0.235076366740383	0.0226630064057681	0.426232721618493
GBM	PRKCD	cg02559423	-0.139738276186892	153	-1.11120288290267	0.270771711191993	0.0195267858316841	0.46698618053318
GBM	PRKCD	cg02630105	-0.0634038635224534	438	-0.74361939446297	0.458380168753119	0.0040200499095739	0.648432106776865
GBM	PRKCD	cg10531918	0.494283681029383	153	4.47715475454918	3.30820146068656e-05	0.244316357331956	0.000371047036379254
GBM	PRKCD	cg13469346	-0.0405709961723825	153	-0.319719581817374	0.750255803436786	0.00164600573041948	0.860059300982195
GBM	PRKCD	cg13889007	-0.240905705606253	153	-1.9544550038857	0.0551608404616953	0.0580355589936467	0.154944301241275
GBM	PRKCD	cg13908523	-0.00319053188406698	438	-0.0373444083326554	0.970264758396615	1.0179493703248e-05	0.984298837253315
GBM	PRKCD	cg14727059	0.169521891250314	153	1.35442001023555	0.180518075665981	0.0287376716130832	0.357630185812576
GBM	PRKCD	cg21903826	-0.0973286711792794	153	-0.770022563570129	0.444210623718117	0.00947287023352428	0.636173071824875
GBM	PRMT1	cg07702240	0.028501536375677	153	0.224512530352622	0.823096786397537	0.000812337575774042	0.904790043818144
GBM	PRMT1	cg08377944	-0.0408854034157586	153	-0.322201399604575	0.748384056012727	0.00167161621246932	0.858914318537895
GBM	PRMT1	cg11787855	0.315345292081511	153	2.6165347659228	0.0111436285044804	0.0994426532379736	0.0463859722766092
GBM	PRMT1	cg14258555	0.0511340591737262	153	0.403157395754452	0.688219381037887	0.00261469200758213	0.820800281393116
GBM	PRMT1	cg14576628	-0.276522352718861	438	-3.36793542590248	0.000983493028292243	0.0764646115531744	0.00662423001237808
GBM	PRMT1	cg18880319	-0.227351850638204	153	-1.83831069218531	0.0708079050765317	0.0516888639886161	0.185907194313996
GBM	PRMT1	cg22292364	0.0542006178400331	153	0.427404347762808	0.670565619504415	0.00293770697424131	0.809111094087115
GBM	PRMT1	cg24228123	-0.0834844831535331	153	-0.659660300849994	0.511914879423701	0.00696965892741255	0.693840827998921
GBM	PRMT1	cg25595446	-0.270650845586725	438	-3.29070396937295	0.00127088687789716	0.0732518802168092	0.00819252351500924
GBM	PRMT1	cg26846726	-0.0982835528707423	153	-0.777650501950722	0.439732463055263	0.00965965676489599	0.632344028077215
GBM	PRMT2	cg04493422	-0.156635955523056	153	-1.24876701952054	0.216444968416973	0.0245348225626207	0.403714745705347
GBM	PRMT2	cg06725035	-0.130844536304747	438	-1.53345943644519	0.127502891192641	0.0171202926808041	0.282350125745525
GBM	PRMT2	cg09031657	-0.0443808377736039	153	-0.349799728935735	0.727674464889557	0.00196965876148695	0.84597074638142
GBM	PRMT2	cg10187059	-0.29799174591506	153	-2.45806297277669	0.0167770445469032	0.0887990806335055	0.0635915710135348
GBM	PRMT2	cg10657630	-0.025813219889104	153	-0.203321246690629	0.839549785013718	0.000666322321043233	0.914118463432947
GBM	PRMT2	cg12162201	-0.0560025413111338	153	-0.441657577071363	0.660273611591461	0.00313628463330525	0.802370078887578
GBM	PRMT2	cg13271076	-0.103292110101167	438	-1.21550480877465	0.226264079967275	0.0106692600091516	0.41577861903801
GBM	PRMT2	cg17243659	-0.23187095160771	153	-1.8769058475172	0.0652383457380498	0.053764138199465	0.175089762931962
GBM	PRMT2	cg23283320	0.0866087430166579	153	0.684530112735835	0.496191469973828	0.00750107436692548	0.681049495299463
GBM	PRMT3	cg01769160	-0.16143811212837	153	-1.28806066648367	0.202511488314133	0.026062264047572	0.386150760378196
GBM	PRMT3	cg04101203	-0.0720535829874797	153	-0.568829001424969	0.571527049959188	0.00519171882133362	0.739359363507526
GBM	PRMT3	cg06578097	-0.104891693983787	153	-0.830499348418664	0.409443221994146	0.0110022674667884	0.605382989866248
GBM	PRMT3	cg13432154	-0.0524446077718043	153	-0.413518324137106	0.680653764848667	0.00275043688433839	0.815807380449992
GBM	PRMT3	cg13982511	-0.0749212831643656	153	-0.591593475977083	0.556273857226053	0.00561319867099505	0.727661691396539
GBM	PRMT3	cg19653624	0.0158712505508506	153	0.124986094585027	0.90093893592914	0.000251896594047876	0.947783520827483
GBM	PRMT3	cg23019633	-0.0385362102896546	153	-0.303659980560185	0.762403669834244	0.00148503950348848	0.867881093638783
GBM	PRMT3	cg23071995	0.0103556407417707	153	0.0815447692601597	0.93527139899481	0.000107239295172621	0.965493651574875
GBM	PRMT6	cg00944433	-0.0480256797102015	153	-0.378591436357973	0.706284606220463	0.00230646591162686	0.832514946240386
GBM	PRMT6	cg02990361	0.200160454379567	153	1.60861839385708	0.112780593383696	0.0400642074974349	0.259622166353136
GBM	PRMT6	cg02993280	0.0494613370659716	153	0.389936224236806	0.697920082139904	0.00244642386435365	0.826728359955793

GBM	PRMT6	cg09367891	-0.176782453670923	153	-1.41426111547441	0.162287516786292	0.0312520359259121	0.332911296070269
GBM	PRMT6	cg14671364	-0.249992575189795	153	-2.03299568542421	0.0463403293465733	0.0624962876500254	0.136449643496871
GBM	PRMT6	cg14828511	-0.220340024729183	153	-1.77867332089681	0.080195885907519	0.048549726497657	0.203422307486046
GBM	PRMT6	cg22528358	0.0265805291448091	153	0.209369271113178	0.83484640392687	0.000706524529618048	0.911548971860079
GBM	PRMT7	cg00894222	-0.126489265724794	153	-1.00404196331643	0.319260999503239	0.0159995343435976	0.518613538391539
GBM	PRMT7	cg02477175	-0.0814520497644383	153	-0.643492237632658	0.522277901073599	0.00663443641082854	0.702116662682649
GBM	PRMT7	cg06089844	-0.299479924362906	153	-2.47154475620254	0.016213242968769	0.089688225096412	0.0619465165518596
GBM	PRMT7	cg06092312	0.135344624108695	153	1.07560169530862	0.286273323103039	0.018318167275124	0.483559806698031
GBM	PRMT7	cg06745885	-0.319830914462644	153	-2.65796153557779	0.00998717308248185	0.102291813846011	0.042583839012255
GBM	PRMT7	cg09175928	-0.157990315689367	153	-1.25983974344422	0.212448898006078	0.024960939851626	0.398698515704168
GBM	PRMT7	cg09779635	-0.119258823480674	153	-0.945794864345034	0.347924777711805	0.0142226669779945	0.547180627059646
GBM	PRMT7	cg10233539	0.030056474802091	153	0.236771892300289	0.813614313648145	0.000903391677528733	0.899590840062306
GBM	PRMT7	cg10446007	0.206238684900585	153	1.65960366255119	0.102044619116445	0.0425343951495227	0.24170307028098
GBM	PRMT7	cg11893236	-0.226145235921105	438	-2.71735912817242	0.00743050597134298	0.0511416677298124	0.0339369918120505
GBM	PRMT7	cg19328639	-0.0987472716793799	153	-0.781355635594265	0.437566888077569	0.00975102366412126	0.630441873006379
GBM	PRMT7	cg21918026	0.186933738851964	438	2.22726436402194	0.0275612320754749	0.0349442227211741	0.0926616745788277
GBM	PRMT7	cg26492318	-0.159510165470744	153	-1.27227413301788	0.208026778696521	0.0254434928885041	0.393138804268651
GBM	PRMT7	cg26561196	0.192879848316775	153	1.54780146816639	0.126759786768976	0.0372026358867022	0.281216097326421
GBM	PRMT7	cg26796563	-0.0683498363544187	153	-0.539448696030159	0.591509415899856	0.00467170012967581	0.754149080484138
GBM	PRMT8	cg01693063	-0.176556468732559	153	-1.4123950267741	0.162833683887188	0.0311721866513111	0.33356550464293
GBM	PRMT8	cg06029846	-0.0736853544848662	153	-0.581780609162677	0.562823925043516	0.00542953146556038	0.73289016813691
GBM	PRMT8	cg07912789	-0.19679137929564	153	-1.58044180100599	0.119094378399173	0.0387268469650803	0.269310739875161
GBM	PRMT8	cg10350722	0.0188794436492423	153	0.148683388174926	0.882286016452069	0.000356433392504916	0.937529823301083
GBM	PRMT8	cg11596580	-0.0794243878700556	153	-0.627370184813887	0.532720367115029	0.00630823338853303	0.7099425983175
GBM	PRMT8	cg19656577	-0.0029366008126618	153	-0.023122917623621	0.981626484561391	8.62362433292596e-06	0.990518921343635
GBM	PRMT8	cg21667836	0.0115549795361775	438	0.135256597811806	0.892607523895845	0.00013351755208148	0.943103468755705
GBM	PRMT8	cg23739862	0.185779653556847	438	2.21302061644421	0.028551126763567	0.0345140796757021	0.0951386256936918
GBM	PRMT8	cg24100636	0.0844430323225412	153	0.667288449792826	0.507063992515127	0.00713062570782574	0.689925588980083
GBM	PRMT8	cg27316886	-0.0644627360623442	153	-0.508637999948602	0.612811238051096	0.00415544434064345	0.769407405174747
GBM	PWWP2E	cg00259755	-0.0342541765113801	438	-0.401170282129953	0.688919779597101	0.00117334860847279	0.821151757574765
GBM	PWWP2E	cg05010219	0.0531916903497247	153	0.419425561039129	0.67635488982667	0.002829355922261	0.813022116278196
GBM	PWWP2E	cg15012692	-0.0482225237661592	153	-0.380146788009007	0.705135663940795	0.00232541179837779	0.831733565427049
GBM	PWWP2E	cg15278699	-0.384363968648669	153	-3.27832008996301	0.00171437491883245	0.147735660395355	0.0104906853170496
GBM	PWWP2E	cg17803807	-0.332892277626301	285	-3.01626601435186	0.00352021052208301	0.110817268503226	0.0187248722977727
GBM	PWWP2E	cg19919881	0.0227711962783417	153	0.179347083012068	0.858250014387534	0.000518527379946762	0.924664640782193
GBM	PWWP2E	cg22633292	-0.160717033637087	153	-1.28215452485098	0.204561984112073	0.0258299649011044	0.388717237646611
GBM	PWWP2E	cg22664157	-0.295220819163808	153	-2.43301274623272	0.0178716309112018	0.0871553320677499	0.0667709948662968
GBM	PWWP2E	cg24520806	-0.316302635018338	153	-2.62535977158674	0.0108875177380632	0.100047356919544	0.0455675126985289
GBM	PYGO1	cg06364757	0.119804455062019	153	0.950184921481463	0.345707663701455	0.0143531074527073	0.544986260638547
GBM	PYGO1	cg09275667	-0.0864751430353024	153	-0.683466215737602	0.496858652059074	0.00747795036297601	0.681439687921505
GBM	PYGO1	cg11480800	-0.114990306279602	153	-0.911480781092886	0.365572514025304	0.0132227705382766	0.564465950331934
GBM	PYGO1	cg12686317	-0.0426410663399764	153	-0.336061755038018	0.737958994990209	0.00181826053861026	0.852445313103501
GBM	PYGO1	cg13878116	0.022772893519009	153	0.17936045750043	0.85823955827712	0.000518604679228123	0.924664640782193
GBM	PYGO1	cg17841803	-0.0593532603786559	153	-0.468173409989113	0.641302309290429	0.00352280951757652	0.789267819017475
GBM	PYGO1	cg19850348	-0.149960841872528	438	-1.77532210705337	0.078065130549565	0.0224882540951174	0.199356556017886
GBM	PYGO1	cg22510134	0.0219238412814485	153	0.172670001200257	0.863473267309531	0.000480654816534147	0.9274329254453
GBM	PYGO1	cg23030278	-0.126619579938475	153	-1.00509321231018	0.318758636797078	0.016032518023796	0.51809350418887
GBM	PYGO1	cg23412777	-0.0269900333847964	438	-0.31602536854015	0.752464208292219	0.000728461902112423	0.861398561126095
GBM	PYGO1	cg25902187	-0.0838226596543901	153	-0.662351302971041	0.510200792299366	0.00702623827153573	0.692534904315621
GBM	PYGO2	cg01277844	-0.0319768388299924	438	-0.374470803174079	0.708633065912026	0.00102251822155931	0.833987393981334
GBM	PYGO2	cg02341811	-0.222274353322649	153	-1.79509583890869	0.0775126682945571	0.0494058881450016	0.198475467560546
GBM	PYGO2	cg04602755	0.215861911884875	153	1.74073820975374	0.0866903316855658	0.0465963650025935	0.215103906072529
GBM	PYGO2	cg10892866	-0.0556499839196772	438	-0.652377325567009	0.515250898005077	0.00309692071026033	0.696638627576368
GBM	PYGO2	cg14024356	-0.212643958539571	153	-1.71354951086372	0.0916078220357797	0.0452174531033788	0.223661893338714
GBM	PYGO2	cg18188585	0.000542672630836544	153	0.0042730091974046	0.99660436161215	2.94493584259056e-07	0.998316892964834
GBM	PYGO2	cg24683561	-0.0329693319712232	153	-0.25974198468668	0.795923393928911	0.00108697685062872	0.888236303881933
GBM	PYGO2	cg27105205	-0.118562932631126	153	-0.940197107934628	0.350765219515857	0.014057168994093	0.549735666071629

GBM	RBBP4	cg05797186	-0.285704145825905	153	-2.34748486170663	0.0221076571343736	0.0816268589421098	0.0785244762629652
GBM	RBBP4	cg06526778	-0.13667880750173	153	-1.08640546922541	0.281505496845334	0.0186810964200949	0.478655329200601
GBM	RBBP4	cg09036220	-0.243845863230229	153	-1.97980669151245	0.0521686703031787	0.0594608050144956	0.148823232033938
GBM	RBBP4	cg11229946	-0.0310411800210311	153	-0.24453633638483	0.807622953169378	0.000963554857098059	0.895869720037944
GBM	RBBP4	cg13641837	-0.125307434445753	153	-0.994510496855295	0.323840033356401	0.0157019531273766	0.523196818745901
GBM	RBBP4	cg16148416	0.185270429178488	153	1.48452148657124	0.142737282265961	0.034325131927981	0.305326224609496
GBM	RBBP4	cg16396527	-0.239875856579958	153	-1.94558862364579	0.056241338996201	0.0575404265699684	0.157083212791098
GBM	RBBP4	cg18758482	-0.0995285074122462	436	-1.1707644958258	0.243725854351382	0.00990592378770954	0.436427087128503
GBM	RBBP4	cg20740619	0.123338891408964	153	0.97864372931861	0.331559369069315	0.0152124821339923	0.531262580737334
GBM	RBBP4	cg22358606	-0.0158767619272864	153	-0.125029507614533	0.900904709515299	0.00025207156929573	0.94776033120616
GBM	RBBP4	cg22857567	-0.00737569729233066	153	-0.0580778783223564	0.953873376349108	5.44009105480938e-05	0.975563901850235
GBM	RBBP4	cg23016766	-0.0838248935030746	153	-0.662369079340174	0.510189479521074	0.00702661277080179	0.692531632145006
GBM	RBBP4	cg26131911	-0.156266839370119	436	-1.85180613002865	0.0662062950614814	0.0244193250867266	0.176924616743255
GBM	RBBP5	cg00960017	0.219849148613187	153	1.7745092835972	0.0808883867153611	0.0483336481459434	0.20455853841584
GBM	RBBP5	cg02189925	0.247801386388329	153	2.01400516664226	0.0483534232127628	0.0614055270959778	0.140710216040612
GBM	RBBP5	cg03143531	-0.070843672996972	153	-0.559228740080503	0.578020199549111	0.0050188260037019	0.74437993980472
GBM	RBBP5	cg05290904	0.1048175082722	436	1.23365309102024	0.219444480835955	0.0109867100403928	0.407414060000771
GBM	RBBP5	cg07601985	0.437699313512323	153	3.83312843017394	0.00029818014475572	0.191580689049158	0.00243176708052485
GBM	RBBP5	cg07972983	0.613348505696967	153	6.11475715975541	7.11456132394278e-08	0.376196389440702	1.59731654728659e-06
GBM	RBBP5	cg14717946	-0.0104439502739882	436	-0.122249971296214	0.902880195490413	0.000109076097325539	0.948645506246284
GBM	RBBP5	cg18131828	-0.391134515977713	153	-3.34639148456525	0.00139466150967131	0.15298620958912	0.008854672119756
GBM	RBBP5	cg21214746	-0.188740397897374	153	-1.51334266104372	0.135273896656591	0.035622937798459	0.294076201718894
GBM	RBBP5	cg23227967	0.0250527929312904	153	0.197327824184711	0.844216501583153	0.000627642433658113	0.916761753875873
GBM	RBBP5	cg24103461	-0.116726493187441	153	-0.925431485296805	0.358329689889141	0.0136250742118376	0.557306221540531
GBM	RBBP5	cg26795850	-0.509364114125069	153	-4.66066109938127	1.71986485593899e-05	0.259451800758416	0.000210030656724243
GBM	RBBP7	cg01947226	-0.0927101318067879	153	-0.733157915457119	0.466225229105307	0.00859516853963199	0.655477300580454
GBM	RBBP7	cg03048084	-0.0631151584912331	153	-0.497962066367805	0.620272532684469	0.00398352323137347	0.774837556929868
GBM	RBBP7	cg03171708	-0.0500465730717732	153	-0.394561541375617	0.694520518147709	0.00250465947622834	0.824881845687687
GBM	RBBP7	cg03811055	0.0862391632502577	153	0.68158712817055	0.498038244993162	0.00743719327810459	0.682311693980664
GBM	RBBP7	cg07096248	-0.0654853423130259	153	-0.516741269963406	0.607175210777179	0.00428833005785418	0.765316812443491
GBM	RBBP7	cg08363715	0.200796401364685	153	1.61394364342173	0.111618227769314	0.0403191948010078	0.257517376288917
GBM	RBBP7	cg14719055	-0.129883967406087	436	-1.53324063605019	0.12752263555657	0.0168698449891454	0.282369558981756
GBM	RBBP7	cg15289846	0.0204060437552557	153	0.160710813213738	0.872843676616746	0.000416406621741411	0.932649594354942
GBM	RBBP7	cg15464143	-0.27225441011252	153	-2.22789128434998	0.0295252818076634	0.0741224638257163	0.0975531863642117
GBM	RBBP7	cg16978043	-0.0356085124575024	153	-0.280559633952078	0.779982252105797	0.0012679661594361	0.878448320935785
GBM	RBBP7	cg17878446	-0.0656929816235149	153	-0.518386830760998	0.606033583885657	0.00431556783458746	0.764521974877986
GBM	RBBP7	cg17880859	-0.00022963644815844	436	-0.0026878257851265	0.997859337754524	5.2732898322828e-08	0.99891225706809
GBM	RBBP7	cg21122900	-0.144350515070358	153	-1.14864731376186	0.255113748993812	0.0208370712010776	0.449382372846465
GBM	RING1	cg01241018	-0.215924578109296	153	-1.74126826777773	0.0865966752635925	0.0466234234316773	0.214941667904279
GBM	RING1	cg01878788	-0.140517891951802	153	-1.11752693416868	0.268080871871582	0.0197452779585782	0.463786406617695
GBM	RING1	cg02475416	-0.287549621011065	153	-2.3640101979743	0.0212254090886206	0.0826847845436074	0.0761910069629098
GBM	RING1	cg03037740	-0.0337921759697087	153	-0.266231909678754	0.790944007665901	0.00114191115676776	0.885219153381017
GBM	RING1	cg06316695	-0.370560800168076	153	-3.14144365093289	0.00257696335368383	0.137315306621205	0.0145798027008349
GBM	RING1	cg06671577	-0.297730687096282	153	-2.45570000720777	0.0168776589275711	0.0886435620388244	0.0638766198445266
GBM	RING1	cg07946923	-0.0839256984409787	153	-0.663171268489791	0.509679110904398	0.0070435228588061	0.692092455117765
GBM	RING1	cg08892712	-0.11415941086192	153	-0.904807328015624	0.369070062513618	0.0130323710883406	0.567786511234991
GBM	RING1	cg09478665	-0.0854313849628178	153	-0.675155729240466	0.502087067387441	0.00729852153666517	0.685793368805874
GBM	RING1	cg09724776	-0.00400919141585721	153	-0.0315686584891438	0.974917444386356	1.60736158089831e-05	0.986832077714679
GBM	RING1	cg09832551	-0.269930625530052	153	-2.20737409829299	0.0309979013542918	0.0728625425990452	0.101117260310013
GBM	RING1	cg09869033	-0.16160512596433	153	-1.28942892936996	0.202038650422194	0.0261162167379469	0.385489611722187
GBM	RING1	cg10265934	-0.137673675361103	153	-1.09446549621568	0.277984655114024	0.0189540408874345	0.474816955976296
GBM	RING1	cg12065531	-0.246143776259634	153	-1.99966094767824	0.0499234490403896	0.0605867585913527	0.14410448769738
GBM	RING1	cg12115664	-0.206067209572688	153	-1.65816258066244	0.102336202696008	0.0424636948610742	0.242200868650235
GBM	RING1	cg12256228	-0.27837440848395	436	-3.39238077649705	0.000906032646491076	0.0774923112987889	0.00618938245699818
GBM	RING1	cg14046664	-0.155767774853316	153	-1.24167291367705	0.219034147474003	0.0242635996827534	0.40696303961291
GBM	RING1	cg14363494	-0.279242506741537	437	-3.3914073590767	0.000910705843230076	0.0779763775712973	0.00620721918769326
GBM	RING1	cg18189601	-0.289021855972721	437	-3.52080420295535	0.000585962784193927	0.0835336332299161	0.00428948798659851

GBM	RING1	cg20505183	-0.0251352636925427	153	-0.197977813469457	0.843710120100548	0.000631781480893657	0.916518908078058
GBM	RING1	cg24536938	-0.311369009923472	153	-2.57997495909968	0.0122640346812764	0.0969506603407231	0.0500140655271135
GBM	RING1	cg24550302	-0.199210765370125	153	-1.60066989336837	0.114533706364193	0.0396849290393509	0.262194121538505
GBM	RNF17	cg00202166	-0.985263502531846	153	-45.3567600214727	2.9028315500986e-49	0.970744169421321	1.6130205543455e-46
GBM	RNF17	cg01405147	0.0482289695312178	153	0.38019771958958	0.705098052279182	0.00232603350204313	0.831701811605511
GBM	RNF17	cg07131398	-0.650786663716929	148	-6.63931667251703	1.02800198859707e-08	0.423523281671811	2.80506442304175e-07
GBM	RNF17	cg12020676	-0.454094802038437	153	-4.01316854493177	0.000163963843375146	0.206202089238327	0.00146883961671189
GBM	RNF17	cg14855529	-0.256269416073853	153	-2.08758135842188	0.0409515683815902	0.0656740136148336	0.124495588529774
GBM	RNF17	cg15523998	-0.449642305383435	153	-3.96378474458258	0.000193457203397938	0.20217820279053	0.00168797990888497
GBM	RNF17	cg17806989	-0.934800971955622	438	-30.8063843598682	1.86948246055629e-63	0.873852857169176	1.84094327261412e-60
GBM	RNF17	cg20477497	-0.413833993431262	153	-3.5794185341457	0.000675874152782402	0.171258574119266	0.00483751530421881
GBM	RNF17	cg21831927	0.0593529246880544	153	0.468170752729597	0.641304198782613	0.00352276966902585	0.789267819017475
GBM	RNF17	cg23678722	-0.240139498026535	153	-1.94785775254598	0.0559631076483516	0.0576669785124362	0.156457773176018
GBM	RNF17	cg24753530	-0.344122150657463	153	-2.88587570565355	0.0053642619281255	0.118420054573117	0.0262374971667146
GBM	RNF20	cg04845236	-0.00744149362065482	153	-0.0585960017869437	0.953462348439722	5.53758273062463e-05	0.975381963590045
GBM	RNF20	cg14625770	0.117270280413089	153	0.92980271671288	0.356079417871896	0.0137523186681646	0.554871346552215
GBM	RNF20	cg21219529	-0.0259044860745527	153	-0.204040598758415	0.838990053645092	0.000671042398786696	0.913841564689679
GBM	RNF217	cg00991794	-0.0525647715389835	153	-0.414468420635899	0.679961628627506	0.00276305520694553	0.815329309433833
GBM	RNF217	cg02312409	-0.246197473271465	153	-2.0001253240493	0.0498719437400867	0.0606131958452539	0.144015375120291
GBM	RNF217	cg03113502	-0.338389505138689	153	-2.83152418863174	0.00623896447522712	0.114507457188007	0.029582129724253
GBM	RNF217	cg06993703	-0.0807792192467557	153	-0.638141643158445	0.525731568192058	0.00652528226211542	0.704543697087561
GBM	RNF217	cg07439975	-0.00724040794522008	153	-0.0570125235895273	0.954718562783926	5.24235072132061e-05	0.975963840054141
GBM	RNF217	cg10621825	-0.12833082995818	153	-1.01890285112769	0.31220863466247	0.0164688019177552	0.511221176415573
GBM	RNF217	cg16203203	-0.397937793773395	153	-3.41543816106859	0.0011284545619767	0.158354487713237	0.00742321953275964
GBM	RNF217	cg17382198	-0.0319030524487858	153	-0.251332822619661	0.802387965752026	0.00101780475554998	0.892212478312699
GBM	RNF217	cg18192252	-0.222986653245783	153	-1.80114889496244	0.0765427603258741	0.0497230475257551	0.196793162032886
GBM	RNF217	cg19171596	-0.19300912628544	153	-1.54887901188818	0.126500596539288	0.0372525228294688	0.280785990846192
GBM	RNF217	cg19478500	-0.282604652239227	153	-2.31979425337223	0.0236594013030245	0.0798653894672546	0.0827254917060312
GBM	RNF217	cg20034100	0.304812234452427	438	3.745998575146	0.000263830022490239	0.092910498271881	0.00219113833346916
GBM	RNF217	cg23521835	-0.217983585278699	153	-1.75869684247333	0.0835635222862509	0.0475168434509558	0.209329919585786
GBM	RNF217	cg24822696	0.00271228132074936	153	0.0213566030308645	0.983029775804751	7.35646996288592e-06	0.991201532093721
GBM	RPA3	cg26322315	-0.0274094615111698	288	-0.23427456107325	0.815427649913159	0.000751278580332299	0.900665358144551
GBM	RPH3A	cg00851732	-0.0963377748399104	153	-0.762109196717103	0.448884412111506	0.00928096686110526	0.640178895347188
GBM	RPH3A	cg00854817	-0.0692962866583366	153	-0.546954317683427	0.58637344294895	0.00480197534463436	0.750520154822911
GBM	RPH3A	cg01119407	-0.203124215426439	153	-1.63345433106259	0.107442034079754	0.0412594468926062	0.250829874808425
GBM	RPH3A	cg01573562	-0.227764069500625	438	-2.73787133821521	0.00700538540693484	0.0518764713554855	0.0324140220274245
GBM	RPH3A	cg05967001	-0.187998759618262	153	-1.50717780052217	0.13684379997521	0.0353435336180051	0.296576865169842
GBM	RPH3A	cg08254200	-0.183489586068986	153	-1.46975241079157	0.14668532714244	0.0336684281957678	0.311060601052717
GBM	RPH3A	cg09384610	-0.283336895263489	153	-2.32632887884677	0.0232847293066882	0.0802797962175533	0.08170555848825
GBM	RPH3A	cg11596863	-0.0390026190628158	153	-0.307340782635196	0.759613996573496	0.00152120429375912	0.866180192155704
GBM	RPH3A	cg16403344	-0.118829448706122	153	-0.942340800727536	0.349675681503368	0.0141204378798009	0.548728566725965
GBM	RPH3A	cg17453780	-0.0651704633665717	153	-0.514245953660842	0.608908239402956	0.00424718929541366	0.76660093453454
GBM	RPH3A	cg18629535	-0.163280305171278	153	-1.30315917084953	0.197339381783942	0.0266604580568257	0.379647843967158
GBM	RPH3A	cg19712198	-0.155122057515424	153	-1.23639852077174	0.220973890693184	0.0240628527278184	0.409218312049742
GBM	RPH3A	cg20704159	-0.24629860416896	153	-2.00099996597726	0.0497750586427509	0.0606630024155779	0.143829693902778
GBM	RPH3A	cg21900624	-0.0516523583369488	153	-0.40725470998226	0.685223621406417	0.00266796612176856	0.818843126625962
GBM	RPH3A	cg23199238	0.0641205320717597	151	0.501830050113595	0.617593620047957	0.00411144263316556	0.772863799211948
GBM	RPH3A	cg23549179	0.0375213349419723	153	0.295651476628191	0.768484189482387	0.00140785057582767	0.871695012416966
GBM	RPH3A	cg23596620	-0.113796452405105	153	-0.901892780885428	0.370604239537014	0.0129496325799874	0.569249633947567
GBM	RTF1	cg04910470	-0.367860621977503	153	-3.11495516148139	0.00278516774973594	0.135321437201676	0.015510562798662
GBM	RTF1	cg07091958	0.126768247885791	438	1.49585229411027	0.136992230159687	0.0160701886720334	0.296774535033214
GBM	RTF1	cg07129439	0.174541967893941	153	1.39577027253212	0.167762273072881	0.0304648985562896	0.340683386842918
GBM	RTF1	cg15581235	0.085718545932128	153	0.677441903706003	0.500645788718048	0.00734766911671833	0.684521828699788
GBM	RTF1	cg18782716	0.219982975904322	153	1.77564438224268	0.0806991226870711	0.0483925096877215	0.204247763361708
GBM	RTF1	cg22263512	0.171141099413387	153	1.36774535495522	0.176329228365159	0.0292892759084228	0.352233925511437
GBM	RTF1	cg24280607	-0.102604242070436	153	-0.812193156332178	0.419788371232839	0.0105276304908487	0.615125570760735
GBM	RTF1	cg27576415	0.152790800944897	153	1.21736964872846	0.228076886452118	0.0233450288533833	0.417925175000731

GBM	SATB1	cg01069104	-0.162292713745153	153	-1.29506320040491	0.200100269872976	0.0263389249347663	0.383036427029977
GBM	SATB1	cg01373248	0.27511668286837	153	2.25322081696552	0.0277925212059375	0.0756891891924955	0.0932579103991847
GBM	SATB1	cg04004754	-0.098197625613186	153	-0.776963995637285	0.440134402804201	0.00964277367606745	0.632734888046531
GBM	SATB1	cg14415616	-0.0758669966965884	153	-0.599103979212936	0.551286471459099	0.00575580118776015	0.723754214943452
GBM	SATB1	cg19818826	-0.175103345783681	153	-1.40040124027646	0.166377978085869	0.0306611817046393	0.33878622205836
GBM	SATB1	cg26131754	-0.0689558710839488	153	-0.544254554986424	0.588218406237166	0.00475491215694616	0.751788504547777
GBM	SATB1	cg26768584	0.101621858261105	153	0.80433527637001	0.424276855527105	0.0103270020764401	0.619229929437462
GBM	SCML2	cg00457389	-0.174737053591777	153	-1.39737943116271	0.167280260177309	0.0305330378979354	0.340041822843836
GBM	SCML2	cg04189389	-0.0904834898717566	153	-0.715402323781117	0.477046036501918	0.00818726193937228	0.664707884451467
GBM	SCML2	cg05049545	-0.0184710071506846	153	-0.145465672713642	0.884815107009115	0.000341178105160642	0.938909134038999
GBM	SCML2	cg06131666	0.0960954126664065	153	0.760174024661618	0.450031698014094	0.00923432833552695	0.641040134678076
GBM	SCML2	cg08300622	-0.0738725968434992	438	-0.8670255629386	0.387444036570004	0.00545716056440217	0.585373784734441
GBM	SCML2	cg17710066	-0.00073346495792219	153	-0.0057753104074656	0.99541053747367	5.3797084449981e-07	0.997653969898295
GBM	SCML2	cg17727916	-0.0313794456302646	153	-0.24720373895426	0.805567322142514	0.000984669608062735	0.894392650835685
GBM	SCML2	cg22823767	-0.0480773826504294	153	-0.37899959789583	0.705982762373646	0.00231143472251581	0.832306032227326
GBM	SCML2	cg26246138	-0.00810842495416194	438	-0.0949098008845732	0.924525149383793	6.57465552372761e-05	0.960175237744498
GBM	SCML4	cg00977377	-0.318789651229347	153	-2.64832741061257	0.0102458971144325	0.101626841730929	0.0434204565081529
GBM	SCML4	cg03500965	-0.411063027012962	146	-3.52180833797394	0.000818007947081314	0.168972812177059	0.00567419618682512
GBM	SCML4	cg05603896	-0.306378361596042	153	-2.5343006120513	0.0138069768967026	0.0938677004542752	0.0547870421169133
GBM	SCML4	cg08792995	-0.253034580895993	153	-2.05941535296838	0.0436601684551845	0.064026499129211	0.130604443005561
GBM	SCML4	cg17388996	-0.443067107196792	153	-3.89153245212389	0.000245970976105709	0.196308461479734	0.00206374742398269
GBM	SCML4	cg23503775	-0.342543956266151	153	-2.87087667095381	0.00559357652940169	0.117336361974467	0.027135613153422
GBM	SCML4	cg27353361	-0.375967278579877	153	-3.19475941790385	0.00220132634545944	0.141351394562759	0.0128325201737483
GBM	SCML4	cg27659622	-0.292625994534154	153	-2.40961554718725	0.0189514231561	0.0856299726771025	0.0698084751637656
GBM	SETD1A	cg26692825	-0.034688685970285	153	-0.273303469671718	0.785528301921175	0.00120330493434504	0.881663172521442
GBM	SETD6	cg01152986	-0.294557642712759	153	-2.42702738964092	0.0181424724406169	0.0867642048804971	0.0675557869541142
GBM	SETD6	cg01472538	-0.476052757162066	153	-4.2624196936619	7.009325161099e-05	0.226626227601605	0.000710652211107175
GBM	SETD6	cg01773760	0.156427360744374	153	1.24706227299973	0.217065091093874	0.0244695191894506	0.404415320238459
GBM	SETD6	cg02549819	-0.118117898456207	152	-0.936617983570059	0.352589227407983	0.0139518379357109	0.551608261215685
GBM	SETD6	cg05502081	0.221178903486763	153	1.78579270849953	0.0790233270205522	0.0489201073476069	0.201228828223792
GBM	SETD6	cg09132913	-0.30617130156615	153	-2.53241062379509	0.0138744517007871	0.0937408659027106	0.0549986800311352
GBM	SETD6	cg19824325	-0.182391239324293	438	-2.17125528284849	0.0316341871662462	0.0332665641822516	0.102680767572535
GBM	SETD6	cg26666090	-0.1224407321865	153	-0.971408333730932	0.335119589940193	0.0149917328983663	0.53470943842414
GBM	SETD7	cg05316864	-0.142292019938043	153	-1.13192614818874	0.26202447511298	0.0202470189380484	0.457355165515383
GBM	SETDB1	cg02060408	0.000738425923295271	152	0.0058143731196115	0.99537949588543	5.45272844194473e-07	0.99763811479845
GBM	SETDB1	cg08531528	-0.120954638051011	153	-0.959441961186667	0.341062871885205	0.0146300244660512	0.540318326526723
GBM	SETDB1	cg10589385	-0.0135151961472034	153	-0.106428481467056	0.915586015713573	0.000182660526897381	0.955377314763813
GBM	SETDB1	cg10961700	-0.0389341160544306	153	-0.306800158441007	0.760023535015306	0.00151586539293987	0.866484967687329
GBM	SETDB1	cg12082615	-0.0478839294760277	438	-0.561110671333575	0.575638719513835	0.0022928707020652	0.742419154246813
GBM	SETDB1	cg15448220	0.199648832918568	153	1.60433575068831	0.113722458004088	0.0398596564857464	0.260925054502745
GBM	SETDB1	cg16370685	-0.0356051217296907	152	-0.280532884479423	0.780002676476988	0.00126772469338609	0.878458606063711
GBM	SETDB1	cg17899625	-0.103594439543076	153	-0.820115966724064	0.415291864471495	0.0107318079042441	0.610949725703928
GBM	SETDB1	cg17918089	-0.0439909446998143	438	-0.515399749632774	0.607104380148994	0.00193520321558212	0.76529513120007
GBM	SETDB1	cg19689029	-0.172671399145916	153	-1.38034951566312	0.172435778147585	0.0298154120830081	0.346985745608206
GBM	SETDB1	cg26820223	-0.172370019595873	152	-1.37786642173793	0.173197555962351	0.0297114236554817	0.348104445526149
GBM	SETMAR	cg00300090	0.0121293922829544	153	0.0955139567110788	0.924214653417404	0.000147122157153793	0.960116350285809
GBM	SETMAR	cg02520519	0.106411849265736	153	0.842672314330809	0.402650835550314	0.0113234816641538	0.599189060622303
GBM	SETMAR	cg06021447	-0.0708375581827404	152	-0.559180227259046	0.578053101347841	0.00501795964929313	0.744388442403906
GBM	SETMAR	cg06267913	-0.231631049924924	153	-1.8748537794945	0.0655248730662627	0.0536529432893226	0.175592214099788
GBM	SETMAR	cg14751177	0.215703274810405	153	1.73939648960934	0.086927775854094	0.046527902763933	0.215465613671016
GBM	SETMAR	cg14961031	-0.154589180898751	153	-1.23204706448049	0.22258368206635	0.0238978148509468	0.411220551027588
GBM	SETMAR	cg15232450	-0.115830020961167	438	-1.36494299869773	0.174508394470361	0.0134165937558645	0.349877526383555
GBM	SETMAR	cg15384599	-0.122690447360409	438	-1.44698687150175	0.150184845275894	0.0150529458734972	0.315872170795742
GBM	SETMAR	cg16423812	-0.212753599072417	153	-1.7144749038107	0.0914367527998583	0.0452640939182669	0.223349370362729
GBM	SETMAR	cg21901604	-0.19249875711731	153	-1.54462552496112	0.127526185634689	0.0370557714917091	0.282369558981756
GBM	SETMAR	cg22149154	-0.272112274584928	153	-2.22663513595286	0.0296136382870274	0.0740450899797835	0.0977289007296912
GBM	SETMAR	cg23182840	-0.159552279970666	153	-1.27261881727274	0.20790517762627	0.0254569300438379	0.392967962200739

GBM	SETMAR	cg23549342	-0.111896765996258	153	-0.886644287486233	0.378696808717753	0.0125208862404212	0.577242583799407
GBM	SETMAR	cg24390964	0.0295464009827784	153	0.232750210450604	0.816722028586477	0.000872989811035129	0.901446874877135
GBM	SETMAR	cg26797270	-0.189562551031295	152	-1.52017993909094	0.133549466183959	0.0359339607534924	0.291533214700237
GBM	SETMAR	cg27265118	-0.173532917523127	153	-1.38744985165606	0.170271661012567	0.0301136734640883	0.34399235455402
GBM	SFMBT2	cg09060610	-0.0744357961836215	153	-0.587738544796221	0.55884246942845	0.00554068775348964	0.729781915010056
GBM	SFMBT2	cg12328063	-0.246859509526936	153	-2.00585228320244	0.0492404932719408	0.0609396174438794	0.142709743446739
GBM	SFMBT2	cg20299663	-0.452807947714788	153	-3.99885716469311	0.000172032946984016	0.205035037513679	0.00153037519470263
GBM	SFMBT2	cg25291138	-0.31731534509562	153	-2.63470486580029	0.0106221644520994	0.100689028233152	0.0446815540924962
GBM	SHPRH	cg00571935	-0.286813447244613	153	-2.35741469205035	0.0215736903508233	0.0822619535203383	0.0771527452375279
GBM	SHPRH	cg02758840	-0.0890550027062776	153	-0.704017056651393	0.484058030471508	0.00793079350701511	0.670778076248249
GBM	SHPRH	cg06708562	0.0191320336286167	153	0.150673361801681	0.88072253136469	0.000366034710766521	0.936738516925771
GBM	SHPRH	cg11387577	-0.282062432688087	153	-2.31495826145516	0.0239401197111354	0.0795592159339216	0.083437017732542
GBM	SHPRH	cg11675148	0.196793476957371	153	1.5804593261405	0.119090364938119	0.0387276725729715	0.269309917008898
GBM	SHPRH	cg12989205	-0.109430911879073	153	-0.866865908077071	0.389358050888589	0.0119751244746855	0.586972422408775
GBM	SHPRH	cg14102550	-0.180063812752264	153	-1.44138339036549	0.154508345098083	0.0324229766628823	0.322057455810262
GBM	SHPRH	cg15443174	0.23230165876709	153	1.88059093357643	0.0647264592457332	0.0539640606659416	0.174022124436239
GBM	SHPRH	cg16339435	-0.29302996241467	153	-2.41325422813185	0.0187797482348966	0.0858665588727428	0.0693544616276071
GBM	SHPRH	cg18099523	-0.301431951258107	153	-2.48925872629979	0.0154983949557443	0.0908612212392695	0.0598856063567243
GBM	SHPRH	cg26814539	-0.128923956668166	153	-1.02369148477548	0.30995871524505	0.0166213866029751	0.508733032908
GBM	SHPRH	cg27398948	-0.167283673816143	153	-1.33601906958217	0.186426330918083	0.0279838275254259	0.365384711968189
GBM	SIN3A	cg01088093	0.0269574456590053	153	0.212340307666779	0.832538114400256	0.000726703876458224	0.910165545772896
GBM	SIN3A	cg01664094	0.164576277868601	153	1.31378926656318	0.193757804331441	0.0270853512370829	0.374879863584977
GBM	SIN3A	cg02028562	-0.202657360410199	153	-1.62953905987433	0.108269762767891	0.0410700057284293	0.252147584863049
GBM	SIN3A	cg07544511	-0.163979811273261	153	-1.30889593983819	0.195400385160341	0.0268893785052143	0.377120610379169
GBM	SIN3A	cg10483776	-0.0663991311717486	153	-0.523983638855268	0.602158117987303	0.00440884462036308	0.761612252205131
GBM	SIN3A	cg11184237	-0.186881558722062	153	-1.4978961209229	0.139234528386522	0.0349247169903876	0.300102814986315
GBM	SIN3A	cg15851274	-0.0872075264645127	153	-0.689298864132896	0.493206955105145	0.00760515267205868	0.678573522302364
GBM	SIN3A	cg22059910	0.238313998825088	153	1.93215525544945	0.0579127570664353	0.056793562036004	0.160398213586808
GBM	SIN3A	cg25697800	-0.243268865994667	153	-1.97482694921894	0.0527451901114934	0.0591797411623312	0.149983892080324
GBM	SIN3B	cg06815056	-0.00333954014375052	153	-0.0262957120197162	0.979105930726066	1.11525283717213e-05	0.989227860137972
GBM	SIRT1	cg02720207	-0.400016042136559	153	-3.43666284757471	0.00105680906325557	0.160012833966598	0.00702918983130161
GBM	SIRT1	cg03211233	-0.365562380362877	153	-3.09248146854708	0.00297404822135642	0.133635853936573	0.0163530610215014
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GBM	SIRT1	cg10582690	-0.267322701124295	153	-2.18439769960585	0.0327233279350844	0.0714614265363893	0.105310825027177
GBM	SIRT1	cg10705386	-0.366015038227402	153	-3.09690266391568	0.00293596957195616	0.133967008208606	0.0161825716934078
GBM	SIRT1	cg19192316	0.040290717079945	438	0.471973995782786	0.637696221090869	0.00162334188281617	0.786859254070434
GBM	SIRT1	cg19681528	-0.0427492535368945	153	-0.336915956470762	0.737318096836614	0.00182749867796169	0.852046584549794
GBM	SIRT1	cg19980381	-0.212585066099652	153	-1.71305247223633	0.0916998138903821	0.0451924103285935	0.223830294681321
GBM	SIRT1	cg25513531	-0.0871062073620524	153	-0.688491899260941	0.493711299398096	0.00758749136100086	0.679022864368314
GBM	SIRT4	cg04118464	0.0695912999845251	152	0.549294160167138	0.584776668425362	0.00484294903353616	0.749347150232793
GBM	SIRT4	cg07106325	-0.123618751435786	153	-0.980898725261281	0.330454922329318	0.0152815957065426	0.530145717171291
GBM	SIRT4	cg08264848	0.129688378137264	151	1.02986472252749	0.307074466539785	0.016819075423874	0.505567100167108
GBM	SIRT4	cg12124973	-0.0605285646520339	153	-0.477477866811567	0.634700877288077	0.00366370713883545	0.784791150863829
GBM	SIRT4	cg20010714	0.0383298997812345	153	0.302031884024681	0.763638613044385	0.00146918121723948	0.868668512943424
GBM	SIRT4	cg21068152	0.0053746721613439	438	0.0629098334149423	0.94992999674103	2.88871008419251e-05	0.973467708646367
GBM	SIRT4	cg21123573	-0.0353649603553534	438	-0.412680911898668	0.680490258061786	0.00125068042093572	0.815724288266925
GBM	SIRT5	cg01064902	0.0620625811104236	153	0.489625122316432	0.626127155809833	0.00385176397408791	0.778806341894083
GBM	SIRT5	cg02206980	-0.00991051587537841	153	-0.0780393125776369	0.938048096545563	9.82183249161275e-05	0.966868206299633
GBM	SIRT5	cg02712746	-0.135058254572258	153	-1.0732835490715	0.287303586700479	0.0182407321281049	0.484794812133203
GBM	SIRT5	cg06139021	0.115990796541527	153	0.919518933023312	0.361387965590668	0.0134538648823378	0.560248209385233
GBM	SIRT5	cg07534331	-0.190859357008763	153	-1.53097132441105	0.13086327295567	0.0364272941577985	0.287483831930232
GBM	SIRT5	cg07909422	-0.12286003756531	438	-1.44901761694988	0.149617746172041	0.0150945888305494	0.315083742849318
GBM	SIRT5	cg08619119	-0.139254982984619	153	-1.10728358644843	0.272448831201239	0.0193919502860464	0.468830392286083
GBM	SIRT5	cg10907941	-0.157562489682486	153	-1.2563412191915	0.213705550053206	0.0248259381549434	0.40024672918652
GBM	SIRT5	cg11824369	-0.231844467065263	153	-1.87667928660417	0.0652699280508421	0.0537518569087757	0.17513854183938
GBM	SIRT5	cg19366958	-0.0905597059518362	153	-0.716009902370994	0.47667344646306	0.00820106034208304	0.664415073714385
GBM	SIRT5	cg20150972	-0.0412921198996498	153	-0.325412015694335	0.745964913717127	0.00170503916580705	0.85731744001272

GBM	SIRT7	cg11691214	0.150489612100306	153	1.19860661371518	0.235242379786759	0.0226471233501005	0.42642477614715
GBM	SIRT7	cg12710567	0.185308564488439	151	1.46069260421614	0.149316890737841	0.0343392640727659	0.314765388884764
GBM	SIRT7	cg17552093	-0.165748340615822	438	-1.96724536252492	0.0511752016567854	0.0274725124168986	0.146753304249778
GBM	SIRT7	cg20397086	0.158098474618564	151	1.25051586032026	0.215886856266368	0.0249951276767168	0.403088973872215
GBM	SMARCA	cg03460558	-0.131010899702944	153	-1.0405494263956	0.302125528597271	0.0171638558409748	0.500501562429645
GBM	SMARCA	cg06675660	-0.0966825331162722	153	-0.764862199508085	0.447255200677569	0.00934751220977907	0.638886725697958
GBM	SMARCA	cg08617833	-0.139039690092734	153	-1.10553791524	0.273198166671278	0.0193320354210836	0.46952785105546
GBM	SMARCA	cg12935118	-0.114794097955533	153	-0.909904732121061	0.36639660196475	0.0131776849254246	0.56527560790984
GBM	SMARCA	cg17420696	-0.130041765035934	153	-1.03271919933556	0.30574697794356	0.016910860653661	0.504283229756035
GBM	SMARCA	cg18959966	-0.178496457203739	153	-1.42842217763565	0.158188895087994	0.0318609852342864	0.327247624105183
GBM	SMARCA	cg24447042	-0.144570030699681	438	-1.71011430972612	0.0895084810816271	0.0209004937765068	0.220027894500714
GBM	SMARCA	cg26010110	-0.144627843655432	153	-1.15090121399512	0.254192248891071	0.0209172131604202	0.448313538459968
GBM	SMARCA	cg27353825	-0.0210077164191491	152	-0.165451437385751	0.869126980475961	0.000441324149147387	0.930580358895956
GBM	SMARCA	cg04518912	-0.285074869007642	153	-2.34185650773056	0.0224155166911594	0.0812676809397243	0.0792993499532538
GBM	SMARCA	cg13529335	-0.0646006653195078	153	-0.509730875555191	0.612049735454127	0.00417324595972306	0.768844164072463
GBM	SMARCA	cg14290704	-0.265195351376797	153	-2.16569358661847	0.0341895561867323	0.0703285743918628	0.108852655697533
GBM	SMARCA	cg21210735	-0.0131058929468469	153	-0.103204768094146	0.918133556959673	0.000171764429934211	0.956882161533155
GBM	SMARCA	cg08405378	-0.219700822607648	152	-1.7732513324996	0.081098566008691	0.048268451454477	0.204915887418649
GBM	SMARCA	cg17218495	0.108203188134129	153	0.857024518105052	0.394731929807876	0.0117079299223898	0.59142894414553
GBM	SMARCA	cg17747332	-0.0950047946154768	438	-1.11705525875789	0.265925906620851	0.00902591099992893	0.461731987761416
GBM	SMARCA	cg18522266	-0.381103068412247	153	-3.24575758283615	0.00189064515059021	0.14523954875323	0.0113637370659827
GBM	SMARCA	cg23892580	0.269365187503784	153	2.20238803814022	0.0313653854228984	0.0725576042389486	0.102063780214538
GBM	SMARCA	cg01278696	0.184635174004378	438	2.19890479143274	0.0295625306584029	0.0340901474796271	0.097618214272244
GBM	SMARCA	cg01575392	-0.0134576601090205	153	-0.105975318620366	0.915944074880069	0.00018110861560992	0.95560857454865
GBM	SMARCA	cg02782292	-0.0984551003884588	153	-0.779021114404119	0.438930634641183	0.0096934067925015	0.631681400608187
GBM	SMARCA	cg05358385	0.263740623967667	153	2.15292292171468	0.0352234055420056	0.0695591167308543	0.111375426197406
GBM	SMARCA	cg10878459	-0.0985312181870857	153	-0.779629294902112	0.438575115891037	0.00970840095743108	0.631263183940708
GBM	SMARCA	cg12253543	0.14845373592175	153	1.18202346945701	0.24171007162031	0.0220385117091247	0.434012540372312
GBM	SMARCA	cg13848802	-0.172252793513853	149	-1.35451057166901	0.180652515209618	0.029671024873326	0.357770456781693
GBM	SMARCA	cg13898584	-0.166585667428425	153	-1.33028494839222	0.188297067594127	0.0277507845925738	0.367818758980979
GBM	SMARCA	cg16091845	0.212894774604096	438	2.55033555342678	0.0118613695634082	0.0453241850537289	0.048716756165553
GBM	SMARCA	cg16587443	-0.120017781961102	149	-0.944193718320344	0.348795549237027	0.0144042679868626	0.54792215494821
GBM	SMARCA	cg19993723	-0.090078580428778	153	-0.712174682958319	0.479028082806833	0.00811415065206383	0.666455176255295
GBM	SMARCA	cg20045045	-0.194902180538297	153	-1.56466742378968	0.122751151817573	0.0379868599785829	0.274950137244344
GBM	SMARCA	cg22077701	-0.189269413239062	153	-1.51774173557301	0.134162396229851	0.0358229107878587	0.292411101681143
GBM	SMARCA	cg24607315	0.029754393580395	152	0.234390107899573	0.815454454528027	0.000885323937337051	0.900665358144551
GBM	SMARCB	cg01745726	-0.418098814518095	153	-3.62407279814278	0.000586487052167184	0.174806618701436	0.00429292187959107
GBM	SMARCB	cg01912455	-0.128006313617685	153	-1.01628332554412	0.31344406110566	0.0163856163259891	0.512485651316808
GBM	SMARCB	cg03979008	0.0219356904537609	153	0.172763369021175	0.863400186130478	0.000481174515683217	0.927402835053578
GBM	SMARCB	cg10122452	-0.295225639631734	153	-2.43305626641776	0.0178696749502777	0.0871581782959665	0.0667709948662968
GBM	SMARCB	cg16142952	0.0394460649297608	153	0.310840552714045	0.756964494432078	0.00155599203844291	0.864514884606393
GBM	SMARCB	cg19906397	-0.160091674437122	438	-1.89830911248402	0.0597586836646923	0.0256293442240816	0.164183896768888
GBM	SMARCC	cg02564102	0.114658456508492	153	0.908815251419617	0.366966965261554	0.0131465616489096	0.565830140835179
GBM	SMARCC	cg02627110	-0.256587528417574	153	-2.09035522515546	0.0406928773835815	0.0658371597394394	0.12386187116278
GBM	SMARCC	cg05592996	-0.15896332750355	153	-1.26779920831982	0.209610283800589	0.0252693394910008	0.395096492003853
GBM	SMARCC	cg07143957	0.174396898964112	153	1.39457378565879	0.168121364901557	0.0304142783682986	0.341198827641442
GBM	SMARCC	cg07304068	-0.213099952893355	153	-1.71739866067204	0.0908979911641922	0.0454115899231502	0.222389480914148
GBM	SMARCC	cg07474652	-0.0234488521481965	153	-0.184687228446193	0.854077159276471	0.000549848667067978	0.922166253001441
GBM	SMARCC	cg12894336	-0.261332600092212	153	-2.1318181611822	0.0369918898488725	0.0682947278709561	0.115572171843501
GBM	SMARCC	cg16250355	0.050672889650246	438	0.593873914463843	0.553575769698265	0.002567741745506	0.725486412195196
GBM	SMARCC	cg20685352	-0.126260881544182	153	-1.00219970810204	0.320142641458066	0.015941810208314	0.519558337515439
GBM	SMARCC	cg22984439	-0.0728874537090873	153	-0.575446974279365	0.567071764382313	0.00531258090819434	0.73584046996165
GBM	SMARCC	cg24832353	-0.096804045755498	285	-0.830996940184675	0.408685145106948	0.00937102327463255	0.604629864755718
GBM	SMARCD	cg02553054	0.0807854908809464	153	0.638191513422385	0.525699323112316	0.00652629553687548	0.704543697087561
GBM	SMARCD	cg04550398	-0.0504297103284838	153	-0.397589824464475	0.692298158301939	0.00254315568381479	0.823344996742815
GBM	SMARCD	cg09878554	0.00897804771383169	153	0.0706960676896958	0.943867195143333	8.06053407518385e-05	0.970017745263478
GBM	SMARCD	cg13349421	-0.298622237767549	153	-2.46377234741079	0.0165361633859227	0.0891752408892985	0.0628899679513308

GBM	SMARCD	cg17846064	-0.375193882379678	153	-3.18710954373497	0.00225186997136511	0.140770449375136	0.013080114429357
GBM	SMARCD	cg18591973	-0.0125309187550048	436	-0.146682160389324	0.88359852755431	0.000157023924844532	0.93832379301851
GBM	SMARCD	cg20405918	-0.0919262671708226	153	-0.726906004909252	0.47001933501246	0.00845043859596146	0.658653700360265
GBM	SMARCD	cg22402853	-0.110131449400595	153	-0.872483188232876	0.386311279643146	0.0121289361470759	0.584283625315703
GBM	SMARCD	cg25107077	-0.0899618360028294	153	-0.711244148299894	0.479600364514172	0.00809313193699996	0.666905545750568
GBM	SMARCD	cg00945038	-0.0842961682821638	153	-0.666119583022415	0.507805689245645	0.00710584398705488	0.690482050349871
GBM	SMARCD	cg02127607	-0.185164162338726	153	-1.48363975998101	0.142970615194336	0.0342857670146022	0.305699256202846
GBM	SMARCD	cg02360836	-0.0803241232105945	436	-0.943217484673976	0.347230044934348	0.00645196476955076	0.546533416603392
GBM	SMARCD	cg04367190	0.00562417819054587	153	0.0442855237688649	0.964819135319417	3.16313803190118e-05	0.981498323739915
GBM	SMARCD	cg06420487	0.00585384990304491	153	0.0460940500019066	0.963383437245499	3.42675586873788e-05	0.980743173862836
GBM	SMARCD	cg07362569	0.0751230894629061	153	0.593196010701977	0.555207796902163	0.00564347857045179	0.726682627861549
GBM	SMARCD	cg11697258	-0.0971792182440751	153	-0.768828874631269	0.444913812184925	0.00944380045852959	0.636829158113119
GBM	SMARCD	cg12577610	-0.114618216868308	436	-1.35047196210012	0.179091233057304	0.0131373356380705	0.355831419126013
GBM	SMARCD	cg15868002	-0.0648777648353999	153	-0.511926548517922	0.610521114745739	0.00420912437003745	0.767730499168014
GBM	SMARCD	cg19016967	0.105582131132809	153	0.836027435330722	0.40634999370019	0.0111475864145456	0.602665079402752
GBM	SMARCD	cg19143629	-0.180970315703333	153	-1.44888486845764	0.152408823198842	0.0327502551657641	0.319194830850201
GBM	SMARCD	cg21254277	0.111650501250384	153	0.884668282453148	0.379753596910772	0.0124658344294619	0.578233961325412
GBM	SMARCD	cg23682543	0.0563133805586298	152	0.444116751917669	0.658504454579701	0.00317119682994107	0.80125865957883
GBM	SMARCD	cg24795630	0.000310189953132471	153	0.00244243825090746	0.998059060028176	9.62178070243248e-08	0.99897078748674
GBM	SMARCD	cg25945412	0.0450878831613934	153	0.355383763695647	0.723508336368874	0.00203291720797547	0.843316165525159
GBM	SMARCD	cg00864064	-0.0503413578981975	153	-0.396891479084283	0.692810411763825	0.00253425231503441	0.823700735398115
GBM	SMARCD	cg02917064	-0.164245179957959	436	-1.94890759297859	0.0533498946960357	0.0269764791394225	0.151239038990722
GBM	SMARCD	cg14795305	-0.189003055972939	436	-2.25282789796339	0.0258595451744012	0.0357221551671098	0.0883727577445691
GBM	SMARCD	cg19786287	0.262463356125554	153	2.14172314798306	0.0361524728324232	0.0688870133086895	0.113606045300764
GBM	SMARCD	cg19902439	0.03300230701386	153	0.260002054776068	0.795723690173428	0.00108915226823708	0.88817907416999
GBM	SMARCD	cg22750243	-0.0360145903734602	153	-0.283763255559405	0.777537278226397	0.00129705071976814	0.877015151839124
GBM	SMARCD	cg22787816	-0.0675429893307765	153	-0.533051324592398	0.595903676243806	0.00456205540773738	0.757204340836808
GBM	SMNDC1	cg03999743	-0.0770947003770709	153	-0.608856371594588	0.544844130843656	0.00594359282623033	0.718936228964844
GBM	SMNDC1	cg08770590	0.101096840857089	153	0.800136749797439	0.426686824597518	0.0102205712312836	0.621174357326916
GBM	SMNDC1	cg11559952	0.0276180705813928	153	0.217547889227247	0.828495762408663	0.000762757822638794	0.907843835626527
GBM	SMNDC1	cg12486840	0.210489177596665	153	1.69537633505773	0.0950210583269445	0.0443056938853206	0.229588726014421
GBM	SMNDC1	cg17981675	-0.110701032279978	153	-0.87705137461096	0.383844552348108	0.0122547185478527	0.582034664430643
GBM	SMNDC1	cg18209001	-0.0663393567345515	153	-0.523509847426662	0.602485747570272	0.00440091025195409	0.761800507866424
GBM	SMNDC1	cg21872391	0.139858885131663	436	1.65325539038108	0.100568637034337	0.0195605077502718	0.239152550878805
GBM	SMNDC1	cg23721301	-0.218897808654899	153	-1.76644322119931	0.0822439629239609	0.0479162506339169	0.207098040127747
GBM	SMNDC1	cg26944434	0.0359661943469896	153	0.283381443259087	0.777828555902156	0.00129356713580543	0.877127497613352
GBM	SMYD1	cg00578637	0.0501759223524284	153	0.395583887089072	0.693769949431123	0.00251762318391693	0.824377024943787
GBM	SMYD1	cg00666842	-0.0868342842586173	153	-0.68632625022272	0.49506620320265	0.00754019292270636	0.680000356868247
GBM	SMYD1	cg03704645	-0.0645989839321583	153	-0.509717552989684	0.612059015875358	0.00417302872506725	0.768844164072463
GBM	SMYD1	cg14559139	-0.0781806677200678	153	-0.617485187332809	0.539176124147889	0.00611221680515565	0.714606138335238
GBM	SMYD1	cg16090764	-0.0723504151607482	153	-0.571184656794907	0.569939245376786	0.00523458257393262	0.738078191575348
GBM	SMYD1	cg18148488	0.113684425038757	153	0.900993277942934	0.371078543316355	0.0129241484963929	0.569794956541242
GBM	SMYD1	cg19074493	-0.149717505017793	153	-1.19231562391782	0.237681040014057	0.0224153313087528	0.429202172934954
GBM	SMYD2	cg01770831	-0.0142903304401752	153	-0.112533665444181	0.910763845288397	0.000204213544089397	0.952739377716485
GBM	SMYD2	cg04406444	-0.0378633105392566	153	-0.298349943784395	0.76643370530427	0.00143363028499218	0.870536912447481
GBM	SMYD2	cg11523160	-0.105004261722265	153	-0.831400555555336	0.408937977003023	0.0110258949798379	0.604923388153132
GBM	SMYD2	cg14013804	0.0910854828614095	153	0.720201631695946	0.474107373938035	0.00829656518809613	0.662036385061037
GBM	SMYD2	cg27570636	-0.126446205532786	153	-1.00369460696417	0.319427108052867	0.0159886428936395	0.5187573054124
GBM	SMYD5	cg01329511	0.370507170136184	153	3.14091665076267	0.00258095963245418	0.137275563122323	0.0146013507124675
GBM	SMYD5	cg05103132	-0.153825876344708	153	-1.22581585778018	0.224903823452089	0.0236624002332174	0.414159117737542
GBM	SMYD5	cg06754047	-0.155818671781528	436	-1.84636286815728	0.0669975520138147	0.0242794584757595	0.178560675643657
GBM	SMYD5	cg08834152	0.115912787001806	153	0.918892086116167	0.36171318313912	0.0134357741905261	0.560618320664728
GBM	SMYD5	cg15623359	-0.0773170346604041	153	-0.610622803824885	0.543681351689268	0.00597792384867813	0.717960910602961
GBM	SMYD5	cg17895873	-0.140603735999837	436	-1.66223728104639	0.0987515984662128	0.0197694105771118	0.23605831646634
GBM	SMYD5	cg20402064	0.0719738284782181	153	0.568196096839233	0.571954019636985	0.00518023198581195	0.739667466932569
GBM	SMYD5	cg25886337	0.0285672941322354	153	0.225030940461186	0.82269525527514	0.000816090294037651	0.904636846198569
GBM	SMYD5	cg26467949	0.303072068428471	153	2.50416882490743	0.0149188540221521	0.0918526786615119	0.0581286852548983

GBM	SP100	cg05876232	0.365868550772095	153	3.0954716155874	0.00294824467279074	0.133859796444073	0.0162364127365735
GBM	SP100	cg09456094	-0.595500391879982	153	-5.83674051404867	2.09787119786889e-07	0.354620716729213	4.22474222021778e-06
GBM	SP100	cg11702456	-0.460146152854854	153	-4.08089457597998	0.000130473146115056	0.211734481987123	0.00120905633458901
GBM	SP100	cg11827097	-0.429880393798361	153	-3.74895855184947	0.000392465164969278	0.184797152972234	0.00305681167837605
GBM	SP100	cg23539753	-0.526411758727198	438	-7.24685477886287	2.81923334032372e-11	0.277109339726262	1.23143985669367e-09
GBM	SP100	cg27140170	0.284612643389385	153	2.33772438706351	0.0226439594722531	0.0810043567770932	0.0799621627125927
GBM	SP140L	cg04002454	-0.477600097777667	153	-4.28035956424571	6.58735438109301e-05	0.228101853397237	0.000674728962110269
GBM	SP140L	cg05217331	0.398740212978737	153	3.42362565035746	0.0011002886204219	0.158993757446329	0.00726435143317504
GBM	SP140L	cg13278004	-0.577335337498338	153	-5.56754837299543	5.90758471701819e-07	0.33331609192432	1.07201923367323e-05
GBM	SP140L	cg24044052	-0.421365202876661	153	-3.65846917002834	0.000525440295457733	0.17754863419529	0.00390971806263404
GBM	SP140L	cg25095994	-0.621557893402788	153	-6.24757496397744	4.22865753078106e-08	0.386334214851311	1.00754727090224e-06
GBM	SP140L	cg26847438	-0.576085992404556	153	-5.54950595640225	6.32910454562257e-07	0.331875070644742	1.14132211178063e-05
GBM	SSRP1	cg01511567	0.1298185291431	438	1.53245491228394	0.127716204946283	0.0168528505088779	0.282605297596245
GBM	SSRP1	cg01766191	-0.226927725797568	153	-1.83469495307968	0.0713495673243588	0.0514961927356562	0.186962706919328
GBM	SSRP1	cg02688348	-0.289402191900874	153	-2.38062794359824	0.0203700384386101	0.0837536286770301	0.0738426810880237
GBM	SSRP1	cg04937561	-0.12067348129529	153	-0.957178761283061	0.342194652997446	0.0145620890879247	0.541381988420333
GBM	SSRP1	cg08821673	-0.0640786409419259	153	-0.505594795429433	0.614933961979373	0.00410607222496426	0.7709075376875
GBM	SSRP1	cg09381635	-0.43077553775377	152	-3.75854164756018	0.000380439357412669	0.185567577730483	0.00298105352241753
GBM	SSRP1	cg11948159	0.216874322315563	153	1.74930438273669	0.0851869912839097	0.0470344716798345	0.212370991826325
GBM	SSRP1	cg12795368	0.0910353372680276	153	0.719801822394578	0.474351791321312	0.00828743263150353	0.662305088906547
GBM	SSRP1	cg12911972	-0.0116245021478771	153	-0.0915376063476993	0.92736054248308	0.000135129050185998	0.961638555096956
GBM	SSRP1	cg16313264	0.0323006303223755	153	0.254468199381563	0.799975987790971	0.00104333071922276	0.890842010252234
GBM	SSRP1	cg22636253	-0.0796681394989969	438	-0.935465095194033	0.35119465839369	0.00634701245123162	0.550146739998766
GBM	SSRP1	cg26706201	-0.0341880936243156	153	-0.269354778819817	0.788551087508777	0.00116882574566497	0.883659747074485
GBM	STK31	cg00755064	0.0107400512298215	153	0.0845721257339678	0.932874055675075	0.00011534870041919	0.964334497299879
GBM	STK31	cg05000488	-0.00922632593720654	152	-0.0726512553659096	0.942317508549594	8.51250902995701e-05	0.969305657429882
GBM	STK31	cg05407490	0.014296832305345	153	0.112584876875163	0.910723409994246	0.000204399413967156	0.952717231992098
GBM	STK31	cg11755819	-0.103633659487203	153	-0.820429825605808	0.415114339434037	0.0107399353787095	0.610761525928272
GBM	STK31	cg13313214	-0.121616481033198	153	-0.964770459712379	0.338407902748379	0.0147905684588981	0.537807708733271
GBM	STK31	cg13514718	0.0227094309172117	153	0.178860364581657	0.858630545821692	0.000515718252583613	0.924874756745212
GBM	STK31	cg13802883	0.168695350216826	153	1.34762231588026	0.18268390002083	0.0284581211847774	0.360546866561747
GBM	STK31	cg14898779	-0.0243328489440043	438	-0.284893048162126	0.776156294911308	0.000592087537731731	0.876092611815588
GBM	STK31	cg17102984	-0.0612679629640745	153	-0.483332433491075	0.630562269730692	0.00375376328576721	0.781985672109508
GBM	STK31	cg17331904	-0.126669845889209	153	-1.00549872349842	0.318564996028865	0.016045249857596	0.517910785425631
GBM	STK31	cg21519371	-0.108756337064603	153	-0.861458046328661	0.392305342012395	0.0118279408517096	0.589351957680216
GBM	STK31	cg25570411	0.0744477295222653	153	0.587833294500569	0.558779265264798	0.00554246443102037	0.72976101133194
GBM	STK31	cg25612145	-0.07018830034805	438	-0.823564099478297	0.411618641190896	0.00492639750574808	0.607319905361759
GBM	SUV39H	cg05903800	0.256925580940937	153	2.09330376272295	0.0404194532827034	0.066010754141838	0.123333632032737
GBM	SUZ12	cg00160853	0.220251388083736	153	1.77792132297016	0.080320580721789	0.0485106739528127	0.20359919376575
GBM	SUZ12	cg01109633	-0.0534292270078652	153	-0.421303928371116	0.674990197793992	0.002854682298658	0.812062847610495
GBM	SUZ12	cg07482957	-0.255059475426781	153	-2.07703757481942	0.0419479481595074	0.0650553360049849	0.126759582004378
GBM	SUZ12	cg08177746	0.0545458296365744	153	0.430134647235032	0.668589131429357	0.0029752475307422	0.807869014482548
GBM	SUZ12	cg17335595	-0.00405588792070284	153	-0.0319363561049548	0.974625394326611	1.64502268253032e-05	0.986725766869396
GBM	SUZ12	cg25098644	0.0813619274554138	438	0.955484737608309	0.34101557663754	0.00661976323926001	0.540293797864418
GBM	TAF3	cg00194465	-0.342708105593582	153	-2.87243544658043	0.00556932991538676	0.117448845639542	0.0270348465891425
GBM	TAF3	cg02334915	0.270358771192785	153	2.21115114589486	0.0307220493683923	0.0730938651608726	0.100429468606168
GBM	TAF3	cg03672997	-0.250724041127932	152	-2.03934252716041	0.0456838407669722	0.0628625447995209	0.135073874372918
GBM	TAF3	cg04179819	-0.129928857449079	153	-1.03180714671343	0.306170708139322	0.0168815079980231	0.504654876720837
GBM	TAF3	cg04234156	-0.0877489968457283	153	-0.693611818485266	0.490516204627694	0.00769988644743163	0.676329795600913
GBM	TAF3	cg05976695	-0.429263336993948	153	-3.74236057709657	0.000400955483608579	0.18426701248718	0.00311048373472734
GBM	TAF3	cg07855525	-0.482268857171546	153	-4.33480360480053	5.45206749364464e-05	0.232583250597549	0.000571923056365414
GBM	TAF3	cg09871669	-0.247408495530733	153	-2.01060356659977	0.0487218471536055	0.0612109636607808	0.141538794483274
GBM	TAF3	cg09994553	-0.417480343347892	145	-3.55875296655561	0.000735682974631973	0.174289837081874	0.00519532691798472
GBM	TAF3	cg11104088	0.0457308492155322	153	0.360462183265417	0.719726705687767	0.00209131056997374	0.84097478660029
GBM	TAF3	cg12176426	-0.202312430827288	153	-1.62664705862827	0.108884474987143	0.0409303196672463	0.253071579789962
GBM	TAF3	cg12590721	-0.591360064217341	153	-5.77421839470969	2.67111610429339e-07	0.349706725551138	5.25137240882992e-06
GBM	TAF3	cg12777293	-0.442233612524498	153	-3.88242985006952	0.000253486588043611	0.195570568046468	0.002117669204281

GBM	TAF3	cg27268107	-0.469830657487291	153	-4.19079329752765	8.970418238714e-05	0.22074084671494	0.000876909671352748
GBM	TCEA1	cg01677098	-0.0104687216926359	438	-0.122539960875569	0.902650975016905	0.000109594133877865	0.948530579521868
GBM	TCEA1	cg06047473	-0.114603830243394	153	-0.908376504347884	0.367196817502052	0.0131340379064567	0.566083572207892
GBM	TCEA1	cg11530293	-0.0470675322562839	153	-0.371021318980935	0.711886423146352	0.00221535259269633	0.836034046250101
GBM	TCEA1	cg11787876	0.150300981308589	153	1.19706947724633	0.235836559141675	0.0225903849823248	0.427113000727354
GBM	TCEA1	cg12850379	0.262392819846714	153	2.1411050008459	0.0362043681183597	0.0688499919071102	0.11372558315381
GBM	TCEA1	cg23569945	-0.0337964758498608	153	-0.266265825052245	0.790918008885376	0.00114220177987023	0.885202790804352
GBM	TCEA1	cg26181865	-0.189517776401076	153	-1.51980749426859	0.133642949699417	0.0359169875720082	0.291671191721601
GBM	TCEA1	cg26358945	-0.0902110160512059	153	-0.713230323252326	0.478379323386467	0.00813802741699093	0.665921823092544
GBM	TDRD1	cg00337703	0.0217396343054398	153	0.171218516417795	0.864609531935093	0.000472611699734255	0.928131895359529
GBM	TDRD1	cg02635786	-0.0403696440103297	146	-0.315554234550673	0.753417957392763	0.00162970815752075	0.862122476684748
GBM	TDRD1	cg16550453	-0.120239482893995	153	-0.953685705694751	0.343946284170845	0.0144575332466154	0.54326118061848
GBM	TDRD1	cg23504215	-0.0780655752666621	153	-0.616570588233324	0.539775459800516	0.00609423404171489	0.715049674239613
GBM	TDRD1	cg23825092	0.16823937957241	153	1.34387354486875	0.183886713847148	0.0283044888389094	0.362214083582951
GBM	TDRD1	cg24203376	-0.107627148604385	153	-0.852408376144175	0.397268324674074	0.0115836031167103	0.593841091822836
GBM	TDRD1	cg26600802	-0.0840065122545708	153	-0.663814386360498	0.509270144371029	0.00705709410117735	0.691750904498413
GBM	TDRD1	cg27547703	0.0418148606522871	438	0.48806775756797	0.626287801776071	0.00174848257137019	0.77890734362948
GBM	TDRD3	cg01557749	-0.0580513083681847	153	-0.457868608430243	0.648647514636361	0.00336995440325807	0.794371877172379
GBM	TDRD3	cg03447530	-0.0953492722645319	153	-0.754217225516784	0.45357391046927	0.00909148372137583	0.643877165768676
GBM	TDRD3	cg05666423	-0.0693732817334621	153	-0.547564975650601	0.585956513062979	0.0048126522184703	0.750253480648168
GBM	TDRD3	cg10765900	0.199757057906428	153	1.60524155832098	0.113522720017526	0.0399028821834321	0.260694721414436
GBM	TDRD3	cg18522102	-0.0883302688303032	153	-0.698242492785662	0.487636258368094	0.00780223639163364	0.673864021378232
GBM	TDRD3	cg19937698	-0.0166331527744246	153	-0.130987696812991	0.896209148730804	0.000276661771217349	0.945009342635985
GBM	TDRD3	cg20944895	-0.121113411355337	153	-0.960720126543762	0.340424772956824	0.014668458410127	0.539676491428985
GBM	TDRD3	cg22045829	0.0202711020980802	153	0.159647621912747	0.873677627021808	0.000410917580270792	0.93313669311661
GBM	TDRD3	cg23103367	-0.00091121488042045	153	-0.0071749161220595	0.994298331124967	8.30312558299671e-07	0.997058888261977
GBM	TDRD3	cg23767211	0.0989531503427087	153	0.783000779773559	0.436607353670044	0.00979172596274671	0.629677471151951
GBM	TDRD3	cg26737458	-0.00564454148758286	153	-0.0444458721656557	0.964691837996495	3.18608486050441e-05	0.98144923832487
GBM	TDRD5	cg05378938	0.0741298752164787	153	0.58530964463455	0.560463915709429	0.0054952383996107	0.731138777521201
GBM	TDRD5	cg07171496	0.125869611099924	153	0.999043911171976	0.321656686470475	0.0158431589984462	0.521148813230951
GBM	TDRD5	cg07901138	0.0483627905339596	153	0.381255124646416	0.704317352766759	0.00233895950823166	0.831234664438638
GBM	TDRD5	cg09656934	0.0378964619828482	437	0.443885571027242	0.657825612297629	0.00143614183081746	0.800821333631938
GBM	TDRD5	cg11853788	0.114360570798956	153	0.906422795196128	0.368221448400898	0.0130783401534631	0.567101270131839
GBM	TDRD5	cg12277666	-0.0236216986149501	438	-0.276562063128168	0.782533198705209	0.000557984645455537	0.879866017031305
GBM	TDRD5	cg13848905	0.0994123579479162	153	0.786670602046735	0.434471400613289	0.00988281691276461	0.627982388973101
GBM	TDRD5	cg15545772	0.116772885819554	153	0.925804379300089	0.358137370539101	0.0136359068626266	0.557118490746043
GBM	TDRD7	cg24339935	-0.0112133522275607	153	-0.0882995752703857	0.929923172198284	0.000125739268179341	0.962839742595087
GBM	TDRD9	cg07613153	-0.0573908892583831	437	-0.672852141635048	0.502174723435141	0.003293714169868	0.685864669162358
GBM	TDRD9	cg08933517	-0.0241045183790422	438	-0.282218154329498	0.778202137658493	0.000581027806285581	0.877300812675666
GBM	TDRD9	cg16701547	-0.214418873204373	153	-1.72853858956455	0.0888691456985461	0.0459754531862329	0.218905905910731
GBM	TRIM24	cg00733782	0.0018179938125898	153	0.0143149212513903	0.988624700452795	3.3051015026148e-06	0.993991133287987
GBM	TRIM24	cg02308366	-0.214845737739805	153	-1.73214611283244	0.0882201959536911	0.0461586910249612	0.21783730037208
GBM	TRIM24	cg06386929	-0.0586462124995609	153	-0.462576912661747	0.645287059452048	0.00343937824054366	0.792073656406203
GBM	TRIM24	cg06650216	0.137030924020586	153	1.08925779400273	0.280255995419495	0.0187774741379356	0.477480451756733
GBM	TRIM24	cg10571650	0.253939885066908	153	2.06729042796123	0.0428876714824028	0.0644854652277945	0.128843541815101
GBM	TRIM24	cg10703331	-0.0868614905299542	438	-1.02054493408821	0.309268867594093	0.00754491853708532	0.507891450269809
GBM	TRIM24	cg13935558	0.36806046940482	153	3.11691250823217	0.00276925971251564	0.135468509138496	0.0154475684838263
GBM	TRIM24	cg26889928	0.0833334795972434	438	0.975219110199063	0.331183024619657	0.00694446882178419	0.530867308523482
GBM	TRIM33	cg00760200	-0.0235620378172098	153	-0.18557919241764	0.853380571698392	0.000555169626099627	0.921849147338157
GBM	TRIM33	cg02852257	-0.0425280174586595	152	-0.335169180405906	0.738628883534358	0.00180863226896405	0.852821545702405
GBM	TRIM33	cg05792124	-0.0968966876136737	153	-0.7665724300896	0.446244832765004	0.00938896807050187	0.63811566567366
GBM	TRIM33	cg16036305	-0.0534328039725362	153	-0.421332214462422	0.674969655422607	0.00285506454036748	0.812061578302013
GBM	TRIM33	cg17645130	-0.233982216832988	153	-1.89498082418888	0.0627599882038955	0.0547476777940795	0.170132566753049
GBM	TRIM33	cg18199720	0.0482569542627977	153	0.380418843095836	0.704934766822444	0.00232873363472175	0.831604843636347
GBM	TRIM33	cg20932765	-0.0267342740860728	419	-0.31073525934498	0.756481142035861	0.000714721410909266	0.864196002207966
GBM	TRIM33	cg20992663	0.192673286853004	153	1.54607993314656	0.127174759851135	0.0371229954667399	0.281904352980743
GBM	TRIM33	cg21666217	0.100281090609035	438	1.17970680165878	0.240161326615686	0.0100562971337375	0.432123253016195

GBM	TRIM33	cg21813112	-0.183905285069985	153	-1.47319858347492	0.145756531857513	0.0338211538766723	0.309715212349387
GBM	TRIM66	cg06492264	-0.179994769365327	153	-1.44081219951377	0.154669128302224	0.0323981169988774	0.322280170540866
GBM	TRIM66	cg11245569	0.0563929671486615	149	0.437514283386116	0.663309291677833	0.00318016674383002	0.804287587468209
GBM	TRIM66	cg12608775	-0.00519625424267898	153	-0.0409158992122374	0.967494418890012	2.70010581545593e-05	0.982898960496999
GBM	TRIM66	cg13143389	-0.00893413011218044	153	-0.0703502185376034	0.944141338864291	7.98186808613692e-05	0.970165960631898
GBM	TRIM66	cg27044202	-0.216971482536379	153	-1.75012678246467	0.0850438051643969	0.0470766242340343	0.212095591285195
GBM	UBE2A	cg00142683	-0.0993969501707084	153	-0.786547460407456	0.434542972566136	0.0098797537032383	0.62802749563992
GBM	UBE2A	cg00428314	-0.082907874399218	153	-0.655072529190522	0.51484423324354	0.00687371563739651	0.696359139734125
GBM	UBE2A	cg00935924	-0.166111582878868	153	-1.32639151829122	0.189575348598356	0.0275930579665232	0.369508535499612
GBM	UBE2A	cg05206294	-0.0958937110159518	153	-0.758563615859793	0.450987741165303	0.00919560381241088	0.641696973629395
GBM	UBE2A	cg06206449	-0.0808722162929299	153	-0.638881137231908	0.525253532876648	0.00654031536813044	0.704242758550308
GBM	UBE2A	cg06273903	0.0570088769475044	438	0.668385767828421	0.505029121614298	0.0032500120508157	0.688216852993899
GBM	UBE2A	cg09080960	-0.112782341196801	153	-0.893751429005837	0.374911184627894	0.0127198564858316	0.573605444358951
GBM	UBE2A	cg14625604	0.0651177990538354	438	0.763805409748569	0.446296633640004	0.00424032775361569	0.638126751900281
GBM	UBE2A	cg15661671	-0.143034085846778	153	-1.13795221261867	0.259518832333777	0.0204587497140234	0.454410588637463
GBM	UBE2A	cg16211147	-0.112067341113263	153	-0.888013063048786	0.377965861374655	0.0125590889441966	0.576561359656847
GBM	UBE2A	cg17976175	-0.286507738478913	153	-2.35467713347913	0.0217197397045178	0.0820866842083011	0.0775573960604635
GBM	UBE2A	cg18990292	-0.0999116700836126	153	-0.790661501488824	0.432155602396998	0.00998234181889664	0.625949336849915
GBM	UBE2A	cg25165659	-0.173262898339479	153	-1.38522409462043	0.17094779656155	0.0300200319409965	0.344937305745429
GBM	UHRF2	cg06523306	0.118862767555398	153	0.942608811752587	0.34953961902829	0.0141283575109286	0.548574867038161
GBM	UHRF2	cg08487038	0.0381908858021576	438	0.447339208586801	0.655336629814053	0.00145854375835345	0.799076039050607
GBM	UHRF2	cg13428749	0.229387289119232	153	1.85567856119616	0.0682539983176704	0.0526185284094701	0.181034829359865
GBM	UHRF2	cg14078101	0.0332668736580008	153	0.262088690068909	0.794121892780159	0.00110668488297739	0.887262454992262
GBM	UHRF2	cg20595300	0.100573691989719	438	1.18318408625659	0.238785311162914	0.0101150675204429	0.430579585939635
GBM	UHRF2	cg24119045	0.00579064383214963	153	0.0455963395944596	0.963778532595285	3.35315559908125e-05	0.98095283604665
GBM	USP27X	cg00478198	-0.0292249776842833	153	-0.230216039086541	0.818681805054565	0.00085409932064686	0.902436199484439
GBM	USP27X	cg01125381	-0.049647852741894	153	-0.391410276461352	0.696835989508	0.00246490928188079	0.826191873999401
GBM	USP27X	cg01290688	-0.0348043413337848	153	-0.274215792616232	0.784830373184023	0.0012113421756786	0.881135940672079
GBM	USP27X	cg01855997	-0.0253900415805953	153	-0.19998585858217	0.842146148789057	0.000644654211464357	0.915561483298338
GBM	USP27X	cg06455206	-0.0323912560170688	153	-0.255182908179348	0.799426450143647	0.00104919346636329	0.890500777158719
GBM	USP27X	cg06624970	-0.0121005128230136	153	-0.0952865095435825	0.924394565964406	0.000146422410579917	0.960171416536241
GBM	USP27X	cg16810342	-0.00950032420876746	153	-0.0748090036883852	0.940607531724138	9.02561600716931e-05	0.968318554824381
GBM	USP27X	cg16867483	-0.0527578854885235	153	-0.415995348747742	0.678849854796473	0.00278339448122016	0.814624014377072
GBM	USP27X	cg19318186	-0.0531710504110375	153	-0.419262350085115	0.676473519157956	0.00282716060181309	0.813089333766575
GBM	USP51	cg00834229	-0.237866375459808	153	-1.92830823198726	0.0583991346723086	0.0565804125743862	0.161452158310444
GBM	USP51	cg01084827	-0.00507059458857798	153	-0.0399264149923041	0.968280083691047	2.57109294817163e-05	0.98336732739507
GBM	USP51	cg02714202	-0.151012788733777	153	-1.20287063764465	0.233599807134613	0.0228048623611524	0.424475927222042
GBM	USP51	cg03728850	-0.304855207993819	153	-2.5204069302422	0.0143100029659298	0.0929366978409544	0.0562977834900144
GBM	USP51	cg07386410	-0.158898260430675	153	-1.26726682644394	0.209799266967159	0.0252486571678945	0.39532818637382
GBM	USP51	cg12064531	-0.256237295676363	153	-2.08730131629025	0.0409777642820411	0.0656575516955359	0.124545127830005
GBM	USP51	cg12517811	-0.238847441376352	153	-1.93674154261406	0.0573374246901904	0.0570481002520301	0.159269714216549
GBM	USP51	cg18770944	-0.307163034396463	438	-3.77788582370118	0.000235050294064509	0.0943491296996428	0.00198695530152645
GBM	USP51	cg21331369	-0.234954013135686	153	-1.90331008412233	0.061645032925347	0.0552033882885643	0.167948132656331
GBM	USP51	cg25424556	-0.239605940149726	438	-2.88866169193107	0.00449853868402736	0.0574110065550342	0.0227808435350361
GBM	WDR82	cg01736403	-0.16931007220477	153	-1.35267767402849	0.181071333652206	0.0286659005499846	0.358327951627575
GBM	WDR82	cg03869063	-0.154854781694543	153	-1.2342158155601	0.221780295704684	0.0239800034136645	0.410266015112251
GBM	WDR82	cg10989431	0.0769665120304101	153	0.607837964596965	0.545515086271604	0.00592384397412726	0.719357911336969
GBM	WDR82	cg11442381	-0.222984231529296	153	-1.80112831031284	0.0765460414403594	0.0497219675107108	0.196795093949282
GBM	WDR82	cg11665333	-0.189742350929356	153	-1.5216756516772	0.133174564772389	0.0360021597361989	0.290991829112806
GBM	WDR82	cg12661343	-0.0460671398039665	153	-0.363118527874274	0.717751454323599	0.00212218136971819	0.83971361211595
GBM	WDR82	cg13539115	-0.294958948455491	153	-2.43064882885998	0.0179781633118981	0.0870007812739689	0.0670852473467862
GBM	WDR82	cg15991175	-0.435173034276267	153	-3.80581765889367	0.000326096432470474	0.189375569761213	0.00262042618196551
GBM	WDR82	cg17632831	0.0525612598498543	153	0.414440654576518	0.679981852022049	0.00276268603700391	0.815340991633707
GBM	WDR82	cg24007312	-0.356080642024563	153	-3.0004452753565	0.00387943383453457	0.126793423624625	0.020265691359373
GBM	WDR82	cg26236504	-0.0838017310863675	153	-0.662184759524239	0.510306786111327	0.00702273013307185	0.692630436854361
GBM	WDR82	cg26858096	-0.233946095752364	153	-1.89467134665641	0.0628017418696445	0.0547307757177741	0.170200268490058
GBM	ZMYND1	cg00614684	0.00822904789428083	153	0.0647977819154574	0.94854348537658	6.77172292463677e-05	0.972649037795398

GBM	ZMYND1	cg02813021	-0.0874930913757238	438	-1.02802271603645	0.305750751950247	0.00765504103848075	0.504283229756035
GBM	ZMYND1	cg02867818	-0.378666496113703	153	-3.22151923464463	0.00203277545138074	0.143388315279029	0.0120504254716691
GBM	ZMYND1	cg03254875	-0.405834543154647	153	-3.49642365418077	0.000877524982725151	0.164701676417541	0.00602047610072496
GBM	ZMYND1	cg05236965	-0.204593564945144	153	-1.64578460307276	0.104868780184542	0.0418585268169626	0.246432922086582
GBM	ZMYND1	cg08828193	0.0863994619418425	153	0.682863560822134	0.497236801090379	0.00746486702383988	0.681716203200353
GBM	ZMYND1	cg12639781	-0.221727007778837	153	-1.79044660436823	0.0782645802909736	0.0491628659785566	0.199734762298855
GBM	ZMYND1	cg13939078	-0.119500510871628	153	-0.94773933170576	0.346941621654829	0.0142803720985801	0.546245223942841
GBM	ZMYND1	cg14255089	0.164962463253684	437	1.95765632251354	0.0523028288984842	0.0272126142827231	0.149102065716174
GBM	ZMYND1	cg14694828	-0.18452000304345	153	-1.47829613689543	0.144391128220044	0.0340476315231547	0.307687934608434
GBM	ZMYND1	cg17632565	-0.288880235248222	153	-2.3759429978894	0.020608015709061	0.0834517903170682	0.0745249151204299
GBM	ZMYND1	cg22593633	-0.347876897452016	153	-2.92167244789328	0.00485166697512208	0.12101833578084	0.0241988890852731
GBM	ZMYND1	cg24757747	-0.308704760377572	153	-2.55556273762506	0.0130680895650352	0.0952986290797741	0.0525384475257029
HNSC	ACTL6A	cg03667091	0.192601004250049	530	4.47577793852456	9.36127876364818e-06	0.0370951468381275	0.000123579046349779
HNSC	ACTL6A	cg03839554	-0.398367864695635	530	-9.90397965029638	2.67165709978262e-21	0.15869695562216	3.95130974183439e-19
HNSC	ACTL6A	cg07261848	-0.423300921014793	529	-10.6441233371397	4.57713333067792e-24	0.179183669731972	8.45780309564745e-22
HNSC	ACTL6A	cg10112003	0.297126354625596	530	7.09599131279936	4.22731444398584e-12	0.0882840706130955	2.14940980297669e-10
HNSC	ACTL6A	cg20132173	0.208152971589815	530	4.8529149286137	1.61077456306117e-06	0.0433276595816705	2.60787921662394e-05
HNSC	ACTL6A	cg22619386	0.272264470272478	530	6.45233865884558	2.52439726614559e-10	0.0741279417727529	9.30724933282133e-09
HNSC	ACTL6A	cg25198545	0.264010476555698	530	6.24182631620312	8.98327791103785e-10	0.0697015317311667	2.99804857061896e-08
HNSC	ACTL6A	cg25575835	0.189535261282139	530	4.40185738367535	1.30318827947398e-05	0.0359236152692887	0.000164899526697135
HNSC	ACTL6B	cg05729836	0.0372314885364565	530	0.849597618789191	0.395939813794071	0.00138618373864029	0.59263750864463
HNSC	ACTL6B	cg08572611	-0.107291547303073	530	-2.46082859403905	0.0141855244273234	0.0115114761226875	0.0558900322764851
HNSC	ACTL6B	cg09375063	-0.0276817402740782	530	-0.631482791977429	0.528002386032827	0.000766278744601524	0.706479379767079
HNSC	ACTL6B	cg14088161	0.0273026187406191	530	0.622827680005002	0.533670806807233	0.000745432990095605	0.71069015431744
HNSC	ACTL6B	cg16024950	-0.0571571131436044	530	-1.30551698000917	0.192294176236003	0.00326693558291079	0.372901913104587
HNSC	ACTL6B	cg20497359	-0.0177535191731191	530	-0.404906341130373	0.685712868708507	0.000315187443030306	0.819119631906972
HNSC	ACTL6B	cg24471254	-0.281529145766526	530	-6.69046361123701	5.76518130635248e-11	0.0792586599160298	2.38943268271915e-09
HNSC	ACTL6B	cg26990587	-0.116539636194915	530	-2.67574499995257	0.00769145067134231	0.0135814868044432	0.0348911722856378
HNSC	AEBP2	cg02664216	0.151300901986372	530	3.49037344741733	0.000523332090017711	0.0228919629418897	0.00389647692053944
HNSC	AEBP2	cg07849438	-0.129240630371993	530	-2.97206575314695	0.00309503003706148	0.0167031405389502	0.0168787077955248
HNSC	AEBP2	cg08161947	-0.241107558156667	530	-5.66523164737562	2.43364867182294e-08	0.0581328546002706	6.1368967512413e-07
HNSC	AEBP2	cg24304000	-0.0898715378174802	530	-2.05771318943659	0.0401156222874608	0.00807689330967877	0.122729067179122
HNSC	AEBP2	cg26259627	-0.0484190320364027	530	-1.10542034424571	0.269488673250623	0.00234440266334219	0.465455958945382
HNSC	AFF4	cg00931577	0.124523541472568	530	2.86184839415216	0.00438146687047197	0.0155061123808703	0.0223289769879788
HNSC	AFF4	cg01907658	-0.165691683068245	530	-3.83130958271682	0.000143039472663606	0.0274537338379877	0.00130726897438377
HNSC	AFF4	cg05619425	0.253473929261589	530	5.97523274801222	4.26675487282434e-09	0.0642490328153091	1.25161360700036e-07
HNSC	AFF4	cg06638012	0.132364551642217	530	3.04517032045177	0.00244336130547931	0.0175203745314452	0.0139681694149366
HNSC	AFF4	cg13393914	0.0230022497974195	530	0.524670819767706	0.600035639929522	0.000529103495742887	0.760148068210611
HNSC	AFF4	cg13565585	-0.111312485988624	530	-2.5541883391273	0.0109275052313386	0.0123904695369676	0.0457043161181865
HNSC	AICDA	cg07999668	-0.0129340314380774	530	-0.29496596920102	0.768137603165199	0.000167289169241175	0.871518037512662
HNSC	AIRE	cg08089567	-0.0172087705497695	530	-0.392478464479813	0.69486554236531	0.000296141783834614	0.825048764522763
HNSC	AIRE	cg09510531	0.0411969803211422	530	0.940233908186414	0.347534144372344	0.00169719118758057	0.546812920480191
HNSC	AIRE	cg11923631	0.0842347581185975	530	1.92769918712034	0.0544368413240397	0.00709549447529863	0.153542642904983
HNSC	AIRE	cg12843033	0.146717836773058	530	3.38228320660278	0.000773001788735442	0.0215261236273657	0.0054112211961563
HNSC	AIRE	cg15955655	0.0985133808680872	530	2.25743148274002	0.0243951390673008	0.00970488621006081	0.0846393488633443
HNSC	AIRE	cg16501323	0.19011047067138	530	4.41571645792285	1.2252498696059e-05	0.0361419910588937	0.000156565519638833
HNSC	AIRE	cg16717549	0.0851539458018285	530	1.94888746375577	0.0518462384542964	0.00725119448562075	0.148153330675637
HNSC	AIRE	cg17356252	0.153117727747007	530	3.53328607646013	0.000446985806304634	0.0234450385504064	0.0034104368198963
HNSC	AIRE	cg18689454	0.0821514517966593	530	1.87969496765868	0.0607085467105249	0.00674886103229883	0.166060502208108
HNSC	AIRE	cg18876487	0.0665897404251622	530	1.52185756609147	0.128652616911146	0.00443419352989048	0.28401491756252
HNSC	AIRE	cg23272544	0.0803290924714587	530	1.83772393764701	0.0666734225292451	0.00645276309728816	0.177867433635338
HNSC	AIRE	cg27251412	0.0748176495330589	530	1.71090016361835	0.0876959357067968	0.00559768068165162	0.216853707004913
HNSC	ARID1A	cg04081153	-0.0699765655672889	530	-1.59963249008552	0.11028750201213	0.00489671972859308	0.255470043220928
HNSC	ARID1A	cg04360147	-0.0100318674483299	530	-0.228773286623102	0.819135072557072	0.00010063836450086	0.902710918851084
HNSC	ARID1A	cg14851949	-0.086617879918775	530	-1.98264310979301	0.0479331158801162	0.00750265712162332	0.139908198470385
HNSC	ARID1A	cg17385674	0.034769612912998	530	0.79334885871909	0.427936442144202	0.00120892598211972	0.62218980264206
HNSC	ARID1A	cg20413923	-0.0229392942178399	530	-0.523234074661268	0.601034258152478	0.000526211219212624	0.760873983947234

HNSC	ARID1A	cg21294655	-0.0528814755459947	530	-1.20757281806552	0.227760575349394	0.00279645045592164	0.417512752691709
HNSC	ARID1A	cg24542126	-0.114015805786012	530	-2.61702619221317	0.00912813227305712	0.0129996039690336	0.0397577919517499
HNSC	ARID1A	cg25601319	-0.0724897534276292	530	-1.65738101758186	0.0980456080162279	0.00525476435199848	0.234724112325417
HNSC	ARID2	cg00035453	-0.239263501665974	530	-5.61926055551062	3.13002543707618e-08	0.0572470232294633	7.67645645813065e-07
HNSC	ARID2	cg01183821	-0.0129042230905846	530	-0.294286064084394	0.768656756370749	0.000166518973571578	0.87176364505279
HNSC	ARID2	cg01353809	-0.381217275919834	530	-9.40316711594919	1.68206017909054e-19	0.145326611459739	2.15220706533173e-17
HNSC	ARID2	cg01751433	0.0795874317882615	530	1.82064797452441	0.0692349911234183	0.00633415929865117	0.182863682333646
HNSC	ARID2	cg06613666	0.309974061658815	530	7.43469179273564	4.34720496932211e-13	0.0960839189012628	2.59146715236356e-11
HNSC	ARID2	cg07276957	-0.2135117303055	530	-4.98373908755533	8.50703401560291e-07	0.0455872589780486	1.48318288706816e-05
HNSC	ARID2	cg23465749	-0.0978453001294743	527	-2.23549735209513	0.025810846355424	0.0095737027574269	0.0882412208909625
HNSC	ARID4A	cg02136725	-0.113116622828968	530	-2.59611849190221	0.00969498835263094	0.012795370360231	0.0415910402506105
HNSC	ARID4A	cg06154646	0.0164038342390397	530	0.374115311476369	0.70847102523814	0.000269085777741892	0.833878530610724
HNSC	ARID4A	cg08066755	-0.0136419557297659	530	-0.3111113404376538	0.755839088949025	0.000186102956132893	0.863800239245794
HNSC	ARID4A	cg08790491	-0.157953800801326	530	-3.64769213074314	0.000291276302754803	0.0249494031875849	0.00238471360729395
HNSC	ARID4A	cg10064886	0.105799718634674	530	2.42622205301806	0.0155959729917903	0.0111935804631762	0.0601656909812321
HNSC	ARID4A	cg10242170	0.0551343755040889	530	1.25917247301801	0.208532973272846	0.00303979936222588	0.39372410073994
HNSC	ARID4A	cg10844118	-0.215523384732137	530	-5.03297079699507	6.66554941028024e-07	0.0464503293663968	1.19423460078765e-05
HNSC	ARID4A	cg12203852	0.047209501620588	530	1.07774394543386	0.281647744471213	0.0022287370432643	0.47878208669435
HNSC	ARID4A	cg14272338	-0.0619492157651308	530	-1.41537798092449	0.157556306742315	0.00383770533391473	0.326302697705701
HNSC	ARID4A	cg14460816	-0.0645774811920048	530	-1.4756733201596	0.140636853158741	0.00417025107710373	0.302246073115395
HNSC	ARID4A	cg17323045	0.0363726775511421	530	0.829973859433064	0.406934426968407	0.00132297167223936	0.603106435732145
HNSC	ARID4A	cg19548283	-0.174107608896072	530	-4.03184417802667	6.36271509290358e-05	0.0303134594755077	0.000655256894277655
HNSC	ARID4A	cg20996579	-0.0825140152709485	530	-1.88804747139259	0.0595760345820515	0.00680856271613433	0.163832515616534
HNSC	ARID4A	cg26429530	-0.190910549679811	530	-4.43500138133179	1.1241867590706e-05	0.0364468379790474	0.000145081262002551
HNSC	ARID4A	cg27026909	-0.235144394566181	530	-5.51680596492667	5.45072462504434e-08	0.0552928862958959	1.26087918965418e-06
HNSC	ARID4B	cg05652840	0.0378457118157057	530	0.863633723162652	0.388187301452301	0.00143229790283745	0.585995972074935
HNSC	ARID4B	cg06212607	-0.0803649607409071	530	-1.83854984475733	0.0665515393396059	0.00645852691488754	0.177633653035933
HNSC	ARID4B	cg06891548	-0.187086427822828	530	-4.34290768144497	1.69095278804128e-05	0.0350013314755064	0.000206930912683472
HNSC	ARID4B	cg07814876	-0.261460555035209	530	-6.17709335976926	1.3181297699822e-09	0.0683616218393195	4.2654986408484e-08
HNSC	ARID4B	cg10107779	0.0174012050000848	530	0.396868617006104	0.691627174434878	0.000302801935454976	0.822848908178671
HNSC	ARID4B	cg11732257	-0.276241014300186	530	-6.55430276166246	1.34842874355222e-10	0.0763090979815954	5.247607708733873e-09
HNSC	ARID4B	cg22596515	0.130533218458083	530	3.00230325471397	0.00280829302096628	0.0170389211210256	0.0156193856633339
HNSC	ARID4B	cg23687319	-0.103500659537958	530	-2.37292222144708	0.0180106339374577	0.0107123865247922	0.0671654841795419
HNSC	ARID4B	cg26020585	0.161813974506221	530	3.7392042714146	0.000205102285340892	0.0261837623455001	0.00177246469515767
HNSC	ASH1L	cg03119126	-0.162834126937382	530	-3.76341801284466	0.000186695624361208	0.0265149528954593	0.00163816583774444
HNSC	ASH1L	cg08095278	0.17020246384537	530	3.93868219556768	9.31029217544641e-05	0.0289688786990344	0.000906262349220068
HNSC	ASH1L	cg09410084	0.268262485256484	530	6.35008270684653	4.69670758850011e-10	0.0719647609959851	1.64435495112411e-08
HNSC	ASH1L	cg10558228	-0.148457513319263	528	-3.41669674792313	0.000683678881010234	0.0220396332609391	0.00488708213445834
HNSC	ASH1L	cg17038116	0.148510886834397	530	3.42454482631894	0.000664468734359776	0.022055483508339	0.00477300837680373
HNSC	ASH1L	cg20064047	-0.188169161539204	530	-4.36896143478702	1.50762488845277e-05	0.0354076333543672	0.000187295066388207
HNSC	ASH1L	cg21852905	-0.160086329364017	530	-3.69822592778812	0.00024020161076345	0.0256276328492444	0.00202407323523959
HNSC	ASH1L	cg23821590	-0.108524565525525	530	-2.48944408809621	0.0131057571960541	0.011777581322504	0.0526551611209148
HNSC	ASH1L	cg24312492	-0.0402270031497333	530	-0.918059916769791	0.35901311484515	0.00161821178240865	0.557978465758814
HNSC	ASH1L	cg26185843	-0.167109519362147	530	-3.865032116465	0.000125127128958884	0.0279255914614479	0.00116772311303112
HNSC	ASH2L	cg00590869	0.298187713934143	530	7.12380768322359	3.51800158607254e-12	0.0889159127412706	1.81967696400882e-10
HNSC	ASH2L	cg01642070	-0.110944424279725	530	-2.54563732924866	0.0111953655250438	0.0123086652787596	0.0465564903862329
HNSC	ASH2L	cg02897270	-0.024264265102061	530	-0.553473329511271	0.580177225984163	0.000588754560943097	0.746009274527892
HNSC	ASH2L	cg03189282	-0.20623027855339	530	-4.8060880491626	2.01726939248101e-06	0.042530927792209	3.18448569640153e-05
HNSC	ASH2L	cg03705346	0.0281366264649231	530	0.641867924824932	0.521241783296077	0.000791669748826612	0.701332632503747
HNSC	ASH2L	cg10062221	0.073326249037625	530	1.67660916316311	0.0942199574969697	0.0053767387979278	0.228213069727855
HNSC	ASH2L	cg21453287	0.043535562476932	530	0.9937057234066	0.320828324347556	0.00189534520018285	0.52027160198175
HNSC	ASH2L	cg24318412	0.193388037982793	530	4.49477658501275	8.59177964796761e-06	0.0373989332348343	0.000114450155125684
HNSC	ASH2L	cg27255459	0.0703497965996529	530	1.6082067039068	0.10839685946369	0.00494909388161253	0.252337820489505
HNSC	ASXL1	cg00174466	0.0300514014690194	530	0.685587031094618	0.493279084810985	0.000903086730252179	0.678624031757402
HNSC	ASXL1	cg04218270	-0.156785505362072	530	-3.62002967967489	0.000323392472028934	0.0245816946916403	0.00260219217718441
HNSC	ASXL1	cg09065199	0.300648346009705	530	7.18840836843203	2.29137604789791e-12	0.090389427958371	1.23445504342223e-10
HNSC	ASXL1	cg10421984	-0.259079976234169	529	-6.11090036563754	1.94674313675499e-09	0.0671224340854977	6.09436360485785e-08

HNSC	ASXL1	cg12592359	0.0353464083512101	530	0.806526105003896	0.420308266827797	0.00124936858333049	0.6155511457219
HNSC	ASXL1	cg16926526	0.0915709620480584	530	2.09694943270833	0.036480444335092	0.00838524109040696	0.114413201096601
HNSC	ASXL1	cg18793288	-0.0915689420442108	530	-2.09690278403749	0.0364845932876613	0.00838487114709604	0.11441457855526
HNSC	ASXL1	cg24727216	0.0917132669116592	530	2.10023579551894	0.0361891668305045	0.00841132332760924	0.113697471976752
HNSC	ASXL2	cg05165989	0.253134199033564	530	5.96667547243542	4.48142314903925e-09	0.0640769227203642	1.30817197919835e-07
HNSC	ASXL2	cg05496738	-0.0574498397287771	530	-1.31222518761182	0.190023102774847	0.00330048408486218	0.370093815118205
HNSC	ASXL2	cg06583696	0.385782508715346	530	9.53532669320103	5.71792500240394e-20	0.148828144030706	7.62985004523177e-18
HNSC	ASXL2	cg09476286	-0.00569921147077681	530	-0.129964127928756	0.896645065189386	3.24810113886339e-05	0.94521033274585
HNSC	ASXL2	cg19084174	-0.0104433629533354	530	-0.23815830347814	0.81185213164765	0.000109063829775099	0.898677035905935
HNSC	ASXL2	cg20667782	0.332299215046401	530	8.03413560616338	6.36046530528802e-15	0.110422768320454	4.89906968276808e-13
HNSC	ASXL2	cg24738909	-0.0139446815379954	530	-0.318018585528182	0.750598510962551	0.000194454143196109	0.860202652739612
HNSC	ASXL3	cg09963640	-0.189438467565685	530	-4.39952570191473	1.31675847665982e-05	0.0358869329936349	0.000166346068420386
HNSC	ASXL3	cg12361352	-0.128428430691118	530	-2.95307386614005	0.00328856407121848	0.0164938618097832	0.0177180243338438
HNSC	ASXL3	cg17880622	-0.151453786369123	530	-3.49398310781827	0.000516468289524064	0.0229382494055439	0.00385475718269548
HNSC	ASXL3	cg20034091	-0.124293688157679	530	-2.85648284744315	0.00445502474370957	0.0154489209158383	0.0226208599250795
HNSC	ASXL3	cg20329085	-0.129582397448479	530	-2.98005920212508	0.00301673386896276	0.0167915977284955	0.0165408130531423
HNSC	ASXL3	cg24880056	-0.153341113743261	530	-3.5385648789011	0.00043835013683044	0.0235134971640238	0.00335342811924351
HNSC	ASXL3	cg27109877	-0.139886601241623	530	-3.22158140104682	0.00135466650930032	0.0195682612069329	0.00864035245762288
HNSC	ATAD2B	cg08192560	-0.158928693626146	530	-3.67078728805689	0.000266783322787297	0.0252583296577135	0.00221283098549046
HNSC	ATAD2B	cg14009731	-0.126491541409725	530	-2.90780736191862	0.003795213371984	0.0160001100482082	0.0199113049001972
HNSC	ATAD2B	cg15717719	0.0500198282951332	530	1.1420571785138	0.253955853349666	0.0025019832226746	0.448026492490891
HNSC	ATAD2B	cg16929802	0.0297732713304274	530	0.679236166325755	0.497290450686695	0.000886447685715248	0.681750064094922
HNSC	ATAD2B	cg17933838	0.000689768096372836	530	0.0157291363918393	0.987456515353405	4.75780026773806e-07	0.993317463507084
HNSC	ATAD2B	cg19614157	-0.10765382992442	530	-2.46923513574596	0.0138604278616026	0.0115893470973959	0.0549570909819324
HNSC	ATAD2B	cg20806130	-0.047489974173282	530	-1.08416127308717	0.278795706451654	0.00225529764697899	0.475714038438201
HNSC	ATAD2B	cg27610867	-0.142755313654067	530	-3.28900799214925	0.00107348922116386	0.020379079576471	0.00711943908535559
HNSC	ATAT1	cg01245721	-0.182744595962693	530	-4.23859408941371	2.66162477358568e-05	0.0333955873535678	0.000307139213618117
HNSC	ATAT1	cg05093836	-0.0378790620192239	530	-0.86439586308509	0.387769022887097	0.00143482333945621	0.585689530317248
HNSC	ATAT1	cg06814856	-0.088466435511562	530	-2.02528593970345	0.0433483277584451	0.00782631021212135	0.12992435018317
HNSC	ATAT1	cg07142893	-0.108779739926756	530	-2.49536754172708	0.0128915731614797	0.0118330318185326	0.0520106769138955
HNSC	ATAT1	cg07816366	-0.0910726333993259	530	-2.08544214076412	0.03751620179017	0.00829422455428801	0.116816178436779
HNSC	ATAT1	cg08081524	-0.146977856847	530	-3.38840967378339	0.000756305849011125	0.0216024904033372	0.005316330784437
HNSC	ATAT1	cg08188471	-0.114825861451232	524	-2.62061604603449	0.00903685996057914	0.0131849784580175	0.0394663158240214
HNSC	ATAT1	cg08635134	-0.177453779151591	530	-4.11182700896697	4.56155817057307e-05	0.0314898437351816	0.000489937672679223
HNSC	ATAT1	cg09532691	-0.282973162203226	530	-6.72775903812141	4.55697039196033e-11	0.0800738105272935	1.9214360686838e-09
HNSC	ATAT1	cg12907138	-0.119689153636442	530	-2.74909473266765	0.0061838709466778	0.0143254934982077	0.0293764079400252
HNSC	ATAT1	cg13542073	-0.259343614532977	530	-6.1234577165641	1.8065879248566e-09	0.0672591103990295	5.6945583884236e-08
HNSC	ATAT1	cg13964084	-0.132642268161902	530	-3.05167375012911	0.00239196522188844	0.0175939713031338	0.0137379507177253
HNSC	ATAT1	cg15381130	-0.11400904536227	530	-2.61686897536299	0.00913228164508413	0.0129980624244161	0.0397691848576844
HNSC	ATAT1	cg15729859	-0.129818998836373	530	-2.98559363023164	0.00296359007129782	0.0168529727185161	0.0163039122353063
HNSC	ATAT1	cg18298197	-0.171076986181261	530	-3.959528203394	8.55566771586083e-05	0.0292673352008634	0.00084080294882223
HNSC	ATAT1	cg20629923	-0.213122516920793	530	-4.97422146640938	8.91575600651355e-07	0.0454212072186537	1.546816063271e-05
HNSC	ATAT1	cg22759096	-0.312564881661196	530	-7.50352969177994	2.71060579827099e-13	0.0976968052478777	1.670910201828e-11
HNSC	ATAT1	cg23328390	-0.119424368443116	530	-2.74292488911135	0.00629954294222453	0.0142621797780372	0.029811219882439
HNSC	ATAT1	cg26934609	-0.10140374682712	530	-2.32434236291974	0.0204914497051493	0.0102827198705787	0.0741930484204777
HNSC	ATF7IP	cg00236831	0.0981327898965051	530	2.2486252822708	0.0249542425528611	0.00963004445287161	0.0860729957061842
HNSC	ATF7IP	cg11409060	-0.074366329955329	530	-1.70052199849287	0.0896306896562266	0.00553035103102486	0.22022126430244
HNSC	ATF7IP	cg12526346	-0.12351016776681	530	-2.83819635965131	0.0047142276618202	0.0152547615417855	0.0236666640890321
HNSC	ATF7IP	cg12948116	-0.108931673183881	530	-2.49889465918164	0.012765517871524	0.01186610942264	0.0516261539455883
HNSC	ATF7IP	cg17439009	0.0908675952315667	530	2.08070790520096	0.0379495549219128	0.00825691986316785	0.117793068491214
HNSC	ATF7IP	cg19789919	-0.0647941568635693	530	-1.48064546009409	0.139306699981539	0.00419828276366082	0.300216782601912
HNSC	ATF7IP	cg21275967	0.0287049767537587	530	0.654844024829846	0.512857732666013	0.000823975690433825	0.694640966193445
HNSC	ATF7IP	cg26637901	-0.143527769488804	516	-3.26557689368787	0.00116628607676385	0.0206002206144312	0.00763078713673399
HNSC	ATM	cg01756564	-0.281556162529061	530	-6.69116093408417	5.73994145168695e-11	0.079273872658091	2.38023990028003e-09
HNSC	ATM	cg01800843	-0.0613460531863983	530	-1.40154497519035	0.161647737276046	0.00376333824154841	0.332001586019292
HNSC	ATM	cg01991180	-0.0581347939006493	530	-1.32792312666501	0.184786091457231	0.00337965426187097	0.363297579271676
HNSC	ATM	cg02105423	0.168930692688157	530	3.90838404680505	0.000105202628500701	0.0285375789321006	0.00100648095109171

HNSC	ATM	cg03165700	-0.159466452282472	530	-3.68353147021115	0.000254110521792907	0.0254295494035578	0.00212151469546656
HNSC	ATM	cg03569616	-0.166730061076596	530	-3.85600448156704	0.00012970245739016	0.0277989132666053	0.00120320450396018
HNSC	ATM	cg04709886	-0.0911202802494613	529	-2.0845350663733	0.0375998434903705	0.00830290547274036	0.117020412245555
HNSC	ATM	cg04826772	0.216014491482726	529	5.04014665183011	6.4355226942807e-07	0.0466622605305407	1.15756081498005e-05
HNSC	ATM	cg05033322	-0.154064792559689	530	-3.55566984902662	0.000411428873497593	0.02373596030646	0.00318094790149789
HNSC	ATM	cg05637308	0.0596349588263477	530	1.36231086051663	0.173689572139905	0.00355632831422018	0.348696943872304
HNSC	ATM	cg06053805	-0.163774557944651	530	-3.78575051432614	0.000171109590674356	0.0268221058299658	0.0015233805787275
HNSC	ATM	cg06081482	-0.23209146748741	530	-5.44107390324818	8.16867631565582e-08	0.0538664492804595	1.81098320119729e-06
HNSC	ATM	cg06750635	-0.207383045653957	530	-4.83415648439475	1.76311273690863e-06	0.0430077276247113	2.8268671116049e-05
HNSC	ATM	cg09808176	-0.100740870499156	530	-2.30899183527755	0.0213351704479172	0.0101487229889277	0.0765001958805895
HNSC	ATM	cg10610482	-0.195841152981398	530	-4.55405173053234	6.56148377401604e-06	0.0383537572010833	9.03440829585493e-05
HNSC	ATM	cg10976287	-0.0699207967807663	530	-1.59835137520493	0.110572222091877	0.00488891782245722	0.255934354842673
HNSC	ATM	cg11588932	-0.0839157867214991	530	-1.92034771042756	0.055360615533718	0.00704185926108812	0.155337194763934
HNSC	ATM	cg12019961	-0.193120696842418	518	-4.43623147079084	1.12318003565379e-05	0.0372956035489012	0.00014499944854572
HNSC	ATM	cg12106634	-0.0339143956116206	530	-0.773812350860295	0.439393414461484	0.00115018622970151	0.63208901968335
HNSC	ATM	cg12848864	-0.290555901551437	530	-6.92442749226855	1.2959919210639e-11	0.0844227319263684	6.0443882198588e-10
HNSC	ATM	cg14761454	-0.136065888704697	528	-3.12587834249713	0.00187222169443984	0.018513926068999	0.0112617037421521
HNSC	ATM	cg15370815	0.179530023917034	530	4.16152889012022	3.69910182360754e-05	0.0322310294876507	0.000408587146479802
HNSC	ATM	cg15504467	-0.0927951491746208	530	-2.12522484765198	0.0340386871506411	0.00861093971034013	0.108471474201088
HNSC	ATM	cg16693212	-0.052269079376914	530	-1.19354993411072	0.233198302852931	0.00273205665891014	0.423954307497859
HNSC	ATM	cg16788234	0.147588842216578	530	3.40280824353961	0.000718379721534889	0.0217824663468299	0.00509487027596729
HNSC	ATM	cg17114932	-0.16676499323247	530	-3.85683547350587	0.000129274781207975	0.0278105629678258	0.00119980939266204
HNSC	ATM	cg17420659	-0.055035537614106	530	-1.25690832483679	0.209351111573528	0.00302891040047368	0.394780151591386
HNSC	ATM	cg18042593	-0.108073522445735	530	-2.47897508275664	0.0134920301360533	0.0116798862538288	0.0538393943269622
HNSC	ATM	cg18391757	-0.121366523157331	530	-2.78819353586734	0.00549438073614317	0.0147298329432991	0.0267415213925935
HNSC	ATM	cg18457775	-0.108026165653863	530	-2.47787599056665	0.0135331626207124	0.0116696524658758	0.0539786122290657
HNSC	ATM	cg19288979	0.213739500749643	530	4.98931002016855	8.2762571041375e-07	0.0456845741807065	1.44651346924123e-05
HNSC	ATM	cg20342375	-0.172434250817664	530	-3.99190046263144	7.49762217099672e-05	0.029733570855049	0.00075183039336236
HNSC	ATM	cg22477592	-0.125238173457639	530	-2.87853329335366	0.0041597283294577	0.0156846000910056	0.0214192418362346
HNSC	ATM	cg22678707	-0.0682239634754346	530	-1.55937903592322	0.119515064993754	0.00465450919229743	0.270007933329126
HNSC	ATM	cg22837512	-0.175838798028858	530	-4.07320625689778	5.36043539844362e-05	0.0309192828922337	0.000563450495050024
HNSC	ATM	cg23275463	-0.149139793606753	530	-3.43937611640217	0.000629875829853785	0.0222426780370648	0.00455803510231258
HNSC	ATM	cg23389069	-0.00370787592152714	530	-0.0845531613358068	0.932649179383282	1.37483438494407e-05	0.964282053386978
HNSC	ATM	cg24030675	-0.133383360176512	530	-3.06903186620299	0.0022596069434368	0.017791120771977	0.0131191777414525
HNSC	ATM	cg24568245	-0.143532305709177	530	-3.30728499903959	0.00100719323315465	0.0206015227821926	0.00675520220536535
HNSC	ATM	cg25400013	-0.215421618990573	530	-5.03047865197096	6.74869589711741e-07	0.0464064739285197	1.20747021301829e-05
HNSC	ATM	cg25740661	0.151905305940328	530	3.50464516176953	0.000496682484951362	0.0230752219728245	0.00372854552101768
HNSC	ATM	cg25918541	-0.096708467846967	530	-2.21567780238849	0.0271459081312054	0.00935252775330785	0.0916296601361996
HNSC	ATM	cg27453365	-0.00695128587395764	530	-0.158517536386196	0.874110544972538	4.8320375301483e-05	0.933355601948962
HNSC	ATM	cg27599391	-0.22557092344405	530	-5.27988835838934	1.90256071240274e-07	0.0508822415034016	3.87962799634755e-06
HNSC	ATR	cg00911981	0.278014475975772	530	6.59989384348169	1.01612925662923e-10	0.0772920488520829	4.06629420731557e-09
HNSC	ATR	cg00969988	-0.111106922523507	530	-2.54941244589045	0.0110763972503541	0.0123447482326447	0.0461820519223296
HNSC	ATR	cg11458642	0.269916298724135	530	6.39229643413095	3.63834975933766e-10	0.0728548083169364	1.30074347967791e-08
HNSC	ATR	cg11936145	-0.0599523037480672	530	-1.3695864215679	0.171407185355823	0.00359427872470051	0.345562721305546
HNSC	ATR	cg15135999	0.186856921100105	530	4.33738718621161	1.73244433309579e-05	0.034915508963011	0.000211343538417523
HNSC	ATR	cg15291273	-0.137040496058493	530	-3.15476794611872	0.00169918989379756	0.0187800975599578	0.0104141478451184
HNSC	ATR	cg15480357	-0.00835691799457644	530	-0.190573705306571	0.848933969795892	6.98380783680755e-05	0.919420426650447
HNSC	ATR	cg16031872	0.0226442749872798	530	0.516501355614528	0.605723869285835	0.000512763189699544	0.764292384715058
HNSC	ATR	cg17945282	-0.0825886024461688	530	-1.88976585618125	0.0593452331912869	0.00682087725401132	0.163359508541204
HNSC	ATR	cg20032934	-0.214564694239347	530	-5.00950019704802	7.48948224482241e-07	0.0460380080140244	1.32079543942007e-05
HNSC	ATR	cg20636078	0.124348972126784	530	2.85777331786847	0.00443723152053655	0.0154626668689876	0.0225478659158259
HNSC	ATR	cg24631870	-0.0122712444642842	530	-0.279848498539374	0.7797050240871	0.000150583440702225	0.87826521436058
HNSC	ATR	cg24856922	0.226462135825736	530	5.30187409010462	1.69745434467855e-07	0.0512850989627539	3.50084208085693e-06
HNSC	AURKB	cg02245743	0.0800721166238274	530	1.83180699064816	0.0675520170182519	0.00641154386061982	0.179639473267106
HNSC	AURKB	cg04612488	-0.0961998227286722	530	-2.20391514195251	0.0279677555085591	0.00925440589302795	0.0937246304830208
HNSC	AURKB	cg05617798	-0.074730158442422	530	-1.70888820973107	0.0880683517887364	0.00558459658082949	0.217553326529054
HNSC	AURKB	cg05811247	-0.0936667593092835	530	-2.14536260378223	0.0323863085968256	0.00877346179950325	0.104494234622432

HNSC	AURKB	cg11009596	-0.00395143650888979	530	-0.0901073194893662	0.928236628852588	1.56138504837871e-05	0.962135366888748
HNSC	AURKB	cg12844497	0.0604504190999639	530	1.38100723031151	0.167869935672426	0.00365425316936128	0.340857509871341
HNSC	AURKB	cg13678641	-0.0322775281474852	530	-0.736424605375409	0.461804421828084	0.0010418388233117	0.651369133547775
HNSC	AURKB	cg21724796	-0.0269250652971853	530	-0.614208633868199	0.539346091060004	0.000724959141257694	0.714738209283965
HNSC	BAP1	cg00794529	-0.101392384243294	530	-2.32407920812692	0.0205056641403361	0.0102804155825397	0.0742237872758845
HNSC	BAP1	cg02503646	-0.00096995278932236	530	-0.0221183370823957	0.982362043764034	9.40808413514236e-07	0.990831889854391
HNSC	BAP1	cg03075736	0.0179797170431957	530	0.410066917027565	0.681925747797417	0.000323270224953381	0.816614559428479
HNSC	BAP1	cg05442719	-0.00250832196921333	530	-0.0571987212889491	0.954408868590501	6.29167910123825e-06	0.975799988281763
HNSC	BAP1	cg05908979	-0.0414726476377838	530	-0.946536235265029	0.34431477885302	0.00171998050208777	0.543583568189216
HNSC	BAP1	cg09096430	0.0122950960090674	530	0.280392520559038	0.779287888483881	0.000151169385872184	0.877985127476388
HNSC	BAP1	cg10449522	0.00692750387324597	530	0.157975184155586	0.874537679406289	4.79903099138379e-05	0.933548874566535
HNSC	BAP1	cg10956904	-0.0679076515206409	530	-1.55211559520773	0.121242945660366	0.0046114491350488	0.272624034300734
HNSC	BAP1	cg11234564	-0.0397924012124163	530	-0.908125623237695	0.364232520706614	0.00158343519424991	0.563243777523016
HNSC	BAP1	cg12859382	-0.00296310785992848	530	-0.0675695519074316	0.946154266300029	8.78000818956992e-06	0.971272956381985
HNSC	BAP1	cg16841708	-0.0101717521233158	530	-0.231963636340115	0.816657514228646	0.00010346454125818	0.901426887139977
HNSC	BAP1	cg24291822	-0.0121918773929381	530	-0.278038244615851	0.781093516098072	0.000148641874364435	0.879089717158936
HNSC	BAP1	cg24747396	0.0192092885825098	530	0.438120015401211	0.661481223902497	0.000368996767846141	0.803050694173131
HNSC	BAP1	cg25749966	-0.0451397057428086	530	-1.03039396075409	0.303304120039245	0.00203759303454735	0.501780845848479
HNSC	BAZ1A	cg05294307	0.0325975975457293	527	0.741586353134015	0.458674724770893	0.00106260336575334	0.648624691682304
HNSC	BAZ1A	cg07414384	-0.26070509368053	530	-6.15794176641232	1.47554746605254e-09	0.0679671458709741	4.72770756071217e-08
HNSC	BAZ1A	cg23422263	-0.252047320978258	530	-5.93931452798444	5.24095036246294e-09	0.0635278520123168	1.51454120541397e-07
HNSC	BAZ1A	cg26967526	0.00220933310506121	530	0.0503806692029968	0.95983838631383	4.88115276911942e-06	0.979020777050611
HNSC	BAZ1B	cg00525989	0.18875258367077	530	4.38300712438324	1.41684022221869e-05	0.0356275378423909	0.000177490303479614
HNSC	BAZ1B	cg04742505	0.263722880481383	530	6.23451832491383	9.38221285503941e-10	0.0695497576893976	3.11914473010656e-08
HNSC	BAZ1B	cg05166819	-0.0674878202656455	530	-1.54247577669042	0.123566328128266	0.00455460588420807	0.276313282402561
HNSC	BAZ1B	cg06059318	0.244068130249388	530	5.73917326016709	1.61779746978414e-08	0.0595692522034322	4.23611364403863e-07
HNSC	BAZ1B	cg06394887	0.113521524193851	530	2.60553240962522	0.00943597139795856	0.0128871364552952	0.0407043339765326
HNSC	BAZ1B	cg14093368	0.0770606660495131	530	1.76249449694334	0.078573210418858	0.00593834625199457	0.200305555489731
HNSC	BAZ1B	cg15636799	-0.17136980843	530	-3.96651036531988	8.31614347564654e-05	0.0293676112413349	0.000820268879858561
HNSC	BAZ1B	cg19160975	-0.164972563118896	530	-3.81421502318685	0.000153019385569113	0.027215946582018	0.00138531247305523
HNSC	BAZ1B	cg20612831	-0.121039360333165	530	-2.78056561125691	0.0056231656128265	0.0146505267498617	0.0272485701809035
HNSC	BAZ1B	cg21340129	-0.128571209495418	530	-2.95641206304979	0.00325376539170445	0.0165305559111146	0.0175816784665038
HNSC	BAZ1B	cg25710357	0.303374239212319	530	7.26015746783306	1.41824098465948e-12	0.0920359290176534	7.87513484372586e-11
HNSC	BAZ2A	cg14634319	0.272617700196042	530	6.46138140614495	2.3886107827683e-10	0.0743204104601788	8.85698699879301e-09
HNSC	BAZ2A	cg18206859	0.118136378674303	530	2.71292147456132	0.00689036553455046	0.0139562039662783	0.0320189413054667
HNSC	BAZ2A	cg18955060	-0.0144326866683676	530	-0.329150176327148	0.742174706943412	0.00020830244467277	0.854966447290219
HNSC	BAZ2A	cg25683012	0.175200127425415	530	4.05794243544983	5.7114464126843e-05	0.0306950846498815	0.000595438571734605
HNSC	BRD7	cg03021120	-0.195413753012003	530	-4.5437180152021	6.87870323357824e-06	0.038186534866236	9.40790858609046e-05
HNSC	BRD7	cg16433860	-0.285271928124967	530	-6.78723331040184	3.12508658707488e-11	0.0813800729761361	1.35665728769477e-09
HNSC	BRD7	cg16834187	-0.0613212081977093	530	-1.40097521028034	0.161817967414916	0.00376029057482681	0.3322810335773
HNSC	BRD8	cg01096096	0.264338206030363	530	6.25015630339253	8.54876654555503e-10	0.0698746871673508	2.86532849911636e-08
HNSC	BRD8	cg03204906	-0.125790779863257	530	-2.89143841314456	0.00399527950080092	0.0158233202986065	0.020723603055707
HNSC	BRD8	cg03684156	-0.040825899881291	530	-0.931750578421396	0.351897828655695	0.00166675410111719	0.550760279296674
HNSC	BRD8	cg07430605	-0.0111580298933345	530	-0.254458070253492	0.799242286857895	0.000124501631100546	0.890369092447919
HNSC	BRD8	cg07632946	0.0698863317602062	530	1.59755965579528	0.110748467833576	0.00488409936689761	0.256165120661531
HNSC	BRD8	cg08976717	-0.00981865091079383	530	-0.223910482928883	0.822914901612214	9.64059057080325e-05	0.904671034879323
HNSC	BRD8	cg11110536	0.01936472710269	530	0.441666537743563	0.658914131548764	0.000374992655761655	0.80155693431907
HNSC	BRD8	cg11346339	-0.0249061528544544	530	-0.568123904004589	0.570196069299976	0.000620316450009449	0.738252101827743
HNSC	BRD8	cg12964860	-0.169413903305145	530	-3.9198934797391	0.000100440752021958	0.028701070633085	0.000967759210155586
HNSC	BRD8	cg14473243	0.00773678967801528	530	0.176431229682427	0.860023862507265	5.98579145218438e-05	0.92553836745799
HNSC	BRD8	cg22106577	0.0601079056459409	530	1.37315395742688	0.170296289643839	0.00361296032114134	0.344033176393289
HNSC	BRD8	cg22818036	-0.0336383807250402	530	-0.767507456710211	0.443128212541135	0.00113154065780276	0.635378917162993
HNSC	BRD8	cg23298160	-0.0149479203442431	530	-0.340903116535791	0.733314209404824	0.000223440322617838	0.849522379818813
HNSC	BRD8	cg26008208	0.140778912928718	530	3.24254545813853	0.00126067832472495	0.0198187023253914	0.00814145561942421
HNSC	BRD8	cg26630792	0.0498703649075492	530	1.13863609596027	0.255379259445071	0.00248705329601212	0.449662735974154
HNSC	BRD8	cg27119451	-0.0465726557232053	529	-1.06215082067442	0.288661201717833	0.00216901226111221	0.486190133176937
HNSC	BRD9	cg02364331	-0.0700686447285451	530	-1.60174775618763	0.109818668415538	0.00490961497409507	0.254635574208262

HNSC	BRD9	cg02822723	0.134853455446958	530	3.10348049364862	0.002016648753405	0.0181854544459847	0.0119758147421671
HNSC	BRD9	cg05193570	-0.0316882475207321	530	-0.722966294425285	0.470025636476482	0.00100414503093518	0.658653700360265
HNSC	BRD9	cg07308931	-0.191531253966107	530	-4.44996901364087	1.05130088041732e-05	0.0366842212458292	0.000136970190405602
HNSC	BRD9	cg09497020	-0.123193593006407	530	-2.83080939056897	0.00482276184127823	0.0151766613578283	0.0240856348899274
HNSC	BRD9	cg10551270	-0.316438804058628	530	-7.60680648690882	1.32604766639285e-13	0.100133516714055	8.6469867694355e-12
HNSC	BRD9	cg10600960	-0.14123718115436	530	-3.25331518593627	0.00121477727697572	0.0199479413404296	0.00789897014724209
HNSC	BRD9	cg13722821	-0.206838690415601	530	-4.82089950255881	1.87904984333572e-06	0.0427822438528407	2.98567817631656e-05
HNSC	BRD9	cg17977043	-0.0523573065341766	530	-1.19557010999978	0.23240928578027	0.00274128754751373	0.423025557656488
HNSC	BRD9	cg20079193	-0.0982248854757178	530	-2.25075611920935	0.0248179454352466	0.00964812812671789	0.0857321157721835
HNSC	BRD9	cg21160852	-0.0262530072697638	530	-0.598867085753931	0.549522312194301	0.00068922039070627	0.722436441557885
HNSC	BRD9	cg21758832	-0.079139438429435	530	-1.8103348710082	0.0708209519730007	0.00626305071492633	0.185928699206158
HNSC	BRD9	cg21910709	-0.239590276266911	530	-5.62740210656979	2.99396221879742e-08	0.0574035004816548	7.39638922988652e-07
HNSC	BRD9	cg24953233	-0.163203165411424	530	-3.77218034345377	0.00018042719067062	0.0266352732003087	0.00159145335479485
HNSC	BRD9	cg25523559	-0.0513221047173178	530	-1.17186839518667	0.241786529377709	0.00263395843261534	0.434119767042317
HNSC	BRD9	cg25951128	-0.0785755379057196	530	-1.79735507616034	0.0728593399154703	0.00617411515717318	0.189845240132104
HNSC	BRD9	cg26504197	0.0229011125083516	530	0.522362711176812	0.601640270977549	0.00052446095412018	0.761238748949767
HNSC	BRDT	cg00308185	-0.411110420810956	529	-10.2741222773333	1.15093450745489e-22	0.169011778099361	1.91725479813589e-20
HNSC	BRDT	cg01515515	-0.300551402492769	530	-7.1858602692811	2.33058946913753e-12	0.0903311455403703	1.25321818360167e-10
HNSC	BRDT	cg02935097	-0.295762962320896	530	-7.06030149727582	5.34627804010107e-12	0.0874757298808315	2.66607919135655e-10
HNSC	BRDT	cg03421440	-0.631288835382126	530	-18.5618476779067	2.18129442076307e-59	0.398525593678121	1.84447411053089e-56
HNSC	BRDT	cg06442199	-0.535507189558954	530	-14.4594426305209	4.4971786496118e-40	0.28676795006933	1.8316938003555e-37
HNSC	BRDT	cg09250199	-0.437851009597522	530	-11.1056853925274	7.34424272677833e-26	0.191713506605569	1.60940286954083e-23
HNSC	BRDT	cg13299824	-0.426934026807912	530	-10.7660943918006	1.54144231248462e-24	0.182272663246419	3.03582185461844e-22
HNSC	BRDT	cg14732540	-0.392829775679904	530	-9.74096127391454	1.0454210646152e-20	0.154315232660724	1.47065978843897e-18
HNSC	BRDT	cg19245011	-0.182998159159196	530	-4.24467888473999	2.59278050735448e-05	0.0334883262556543	0.00030042115994807
HNSC	BRPF1	cg04879506	-0.175242129120419	530	-4.05894608665914	5.68771117824323e-05	0.0307098038186578	0.000593485431556358
HNSC	BRPF1	cg13694772	0.202154685848489	529	4.70249091614264	3.29863542780691e-06	0.0408665170105012	4.9197477850999e-05
HNSC	BRPF1	cg14712964	0.0457526426608506	530	1.04441448724643	0.296778933559908	0.00209330431045148	0.49476299411451
HNSC	BRPF1	cg17738494	0.128236993803282	530	2.9485983264939	0.00333575237543644	0.0164447265797031	0.0179270096087893
HNSC	BRPF1	cg20952324	0.0359546174222127	530	0.820421889412352	0.412351560092029	0.00129273451397768	0.608013209275117
HNSC	BRPF1	cg25467642	-0.0388335668649145	530	-0.886210047004978	0.375913997556976	0.00150804591545179	0.574433862891578
HNSC	BRPF1	cg26227975	-0.0948945760535149	530	-2.17373864217816	0.0301751972718237	0.00900498056437633	0.0991220436847956
HNSC	BRPF3	cg01499736	-0.0612947218872286	530	-1.40036780816092	0.161999591947915	0.0037570429312327	0.332539876932716
HNSC	BRPF3	cg05882415	-0.0346634330204723	530	-0.790923200716241	0.429349388348991	0.00120155358876477	0.623416882565679
HNSC	BRPF3	cg10562781	0.123729938584682	530	2.84332501871572	0.00464018335957731	0.0153090977021691	0.0233522075478689
HNSC	BRPF3	cg14654948	-0.117763041165064	530	-2.70422726941164	0.00707066195242407	0.0138681338644446	0.032655846350444
HNSC	BRPF3	cg18779695	0.0760368964845559	530	1.7389422450981	0.0826367312040713	0.00578160962700307	0.207701982010434
HNSC	BRPF3	cg23517469	0.0695414405000987	530	1.58963724040587	0.112524363107149	0.00483601194682877	0.25917750713716
HNSC	BRWD3	cg03164831	-0.0304451875615802	530	-0.694579073986179	0.487629341307244	0.000926909445659795	0.673864021378232
HNSC	BRWD3	cg05835545	-0.0610908022209731	530	-1.39569148276679	0.163403070874622	0.00373208611600205	0.334432478179962
HNSC	BRWD3	cg09523186	-0.0631782339728381	530	-1.44356927177093	0.149462336327891	0.00399148924792667	0.314923024628042
HNSC	BRWD3	cg11957438	-0.0909946402216747	520	-2.06350901125185	0.0395697135574649	0.00828002454907203	0.121544303320906
HNSC	BRWD3	cg15511898	-0.0601820252865698	530	-1.37485335810008	0.169769019367784	0.00362187616759332	0.343396024251103
HNSC	BRWD3	cg22618269	-0.0501120789192687	530	-1.14416875073008	0.253080062727829	0.00251122045361102	0.447094316607912
HNSC	BRWD3	cg25063710	-0.0551683662806278	530	-1.2599511319165	0.208252146650534	0.00304354863807351	0.393423043214542
HNSC	BRWD3	cg25708850	-0.278819128895845	519	-6.5244152432167	1.66185035438086e-10	0.0777401066382378	6.3784218887287e-09
HNSC	CARM1	cg12317676	0.0415115012859593	530	0.947424527690143	0.343862559388649	0.0017232047390142	0.543211370597635
HNSC	CARM1	cg17918830	-0.261902187281637	530	-6.18829475672802	1.23379879256034e-09	0.0685927557029058	4.01263140754344e-08
HNSC	CARM1	cg22378614	-0.155559086602415	530	-3.59100776617734	0.000360641532326336	0.0241986294245777	0.00285032483651275
HNSC	CARM1	cg26504915	-0.128069343210531	530	-2.94467915402907	0.00337758158722842	0.0164017566703768	0.0181148281280143
HNSC	CBX1	cg01544580	-0.0117817918184908	530	-0.268684838703047	0.788278782653369	0.000138810618454257	0.883421015266647
HNSC	CBX1	cg01553295	0.00132397143983856	530	0.0301912204458533	0.975926134193809	1.75290037350818e-06	0.987361628281809
HNSC	CBX1	cg02835499	-0.0257913115502816	530	-0.588328100265122	0.556567523171676	0.000665191751483687	0.727929527255443
HNSC	CBX1	cg04864609	-0.0228208233640103	530	-0.520530400763723	0.602915500735611	0.00052078997901136	0.762096164826162
HNSC	CBX1	cg11729481	-0.0697204333848428	530	-1.59374877185694	0.111599928583067	0.0048609388313703	0.257498484844244
HNSC	CBX1	cg12245530	-0.0922899679837841	530	-2.11355535663107	0.0350288976824437	0.0085174381904479	0.110909160207897
HNSC	CBX1	cg13342109	-0.0911873573543496	530	-2.08809117996417	0.0372755671131005	0.00831513414126986	0.116253025496975

HNSC	CBX1	cg17778721	-0.0461928529522895	530	-1.05448473484673	0.292150743660706	0.00213377966387184	0.489871213543291
HNSC	CBX1	cg21511817	-0.0566744211747432	530	-1.29445620733994	0.196082415984231	0.00321199001549217	0.378014905188641
HNSC	CBX4	cg04398978	-0.0198953382428192	530	-0.453773330955935	0.650181299259223	0.000395824483796185	0.795392720372352
HNSC	CBX4	cg04925705	-0.0964093789175726	530	-2.20876101691572	0.0276266083347388	0.0092947683432721	0.0928493700605985
HNSC	CBX4	cg05949524	-0.200249354761725	530	-4.66079237781549	4.00779155852502e-06	0.0400998040824871	5.85066872778937e-05
HNSC	CBX4	cg07159673	-0.076123524555412	530	-1.74093494520584	0.0822864390126969	0.00579479099073841	0.207131248553753
HNSC	CBX4	cg10756274	-0.0851287864399817	530	-1.94830744661567	0.05191575256286	0.00724691028074401	0.148286607977498
HNSC	CBX4	cg21365914	-0.00874267817711968	530	-0.199371355704789	0.842050199866709	7.64344217086846e-05	0.915500383495578
HNSC	CBX4	cg22353329	-0.0381815557717134	530	-0.871308773857251	0.383987665120745	0.00145783120114846	0.582185469117194
HNSC	CBX4	cg27487227	-0.1555754854199	530	-3.59139571440449	0.000360118100418775	0.0242037316636376	0.00284724935754354
HNSC	CBX5	cg03689456	0.0145100419374426	530	0.33091470212698	0.740842216074152	0.000210541317026343	0.854266350808161
HNSC	CBX5	cg05754589	0.0708976564908665	530	1.6207938863917	0.105668044395577	0.0050264776958969	0.24775731172457
HNSC	CBX5	cg06399839	-0.112263329719499	530	-2.57628379318801	0.0102616281248199	0.012603055199709	0.043484753150792
HNSC	CBX5	cg06621757	0.0743832135810864	530	1.70091022118042	0.0895576995991657	0.00553286246264951	0.220100198477838
HNSC	CBX5	cg08288469	0.192508212701716	529	4.46923503413668	9.64497885386367e-06	0.0370594119576093	0.000126783255101789
HNSC	CBX5	cg09060496	-0.0416179721213755	530	-0.949858741690919	0.34262527912306	0.00173205560349559	0.541828938346906
HNSC	CBX5	cg09158487	-0.0781364763564555	530	-1.78725001258791	0.0744793966908784	0.00610530893740293	0.192868822074418
HNSC	CBX5	cg09653879	0.0231806822896884	530	0.528742963201077	0.597209371921171	0.000537344031415472	0.758160154326218
HNSC	CBX5	cg11005091	0.00226290959452129	530	0.0516024102998287	0.958865314875937	5.12075983297651e-06	0.978409867595208
HNSC	CBX5	cg11338003	0.030832719735423	530	0.703428625664057	0.482103503161356	0.000950656606283141	0.669213718448953
HNSC	CBX5	cg12263485	0.115647949093552	529	2.65243918333114	0.00823586977581145	0.0133744481295449	0.036739563813262
HNSC	CBX5	cg12600134	0.14012429678046	530	3.22716505848338	0.00132901934709949	0.0196348185482186	0.00849964905362197
HNSC	CBX5	cg13445218	0.0442675996966988	529	1.0094750666102	0.313217246496993	0.00195962038290717	0.512277476656552
HNSC	CBX5	cg14017196	0.0279203318044698	530	0.636929829791458	0.524450845723726	0.000779544928071686	0.703623688100993
HNSC	CBX5	cg14394617	0.161959742442456	530	3.74266337799284	0.000202371934220221	0.0262309581720268	0.00175373980736636
HNSC	CBX5	cg15708001	-0.12394830751217	530	-2.84842138355208	0.00456765299302857	0.0153631829351313	0.0230587927929698
HNSC	CBX5	cg20545544	-0.074792298162118	530	-1.7103171768655	0.0878037162159072	0.00559388786437116	0.217016752956324
HNSC	CBX5	cg20927027	0.201669761450639	530	4.69524869075202	3.41114926434776e-06	0.0406706926835578	5.06909161166514e-05
HNSC	CBX5	cg21826008	0.184172703881419	530	4.27287607179909	2.29533163239653e-05	0.0339195848549929	0.000270181614481247
HNSC	CBX5	cg24505978	0.116296373815382	530	2.67008304914682	0.00782054194669869	0.0135248465626071	0.0353141026443534
HNSC	CBX5	cg25817259	0.0967395890971613	530	2.21639755290072	0.0270963055359795	0.00935854809868761	0.0914979595826891
HNSC	CBX6	cg03028106	0.0889572337702252	524	2.02482752034695	0.0434015309498847	0.0079133894400505	0.13002575186642
HNSC	CBX6	cg04134624	-0.0195726176029804	530	-0.446409867095046	0.655487044710141	0.000383087359832498	0.799112379429898
HNSC	CBX6	cg04215348	0.000416848137658946	530	0.00950560087699936	0.992419387652478	1.73762369869732e-07	0.995991406089619
HNSC	CBX6	cg04801716	0.00089231079002608	530	0.02034782478743	0.983773710133974	7.96218545996966e-07	0.991486957584084
HNSC	CBX6	cg06060673	-0.0963095018175927	530	-2.20645137537769	0.0277887543965562	0.00927552014035288	0.093249292995975
HNSC	CBX6	cg09913544	0.11238856758793	530	2.57919457029062	0.0101766635043868	0.0126311901244668	0.0432198955457308
HNSC	CBX6	cg14498989	-0.109831339525599	530	-2.51978397643606	0.0120411384759726	0.0120629231419873	0.049267781339074
HNSC	CBX6	cg24649346	0.11520389460774	530	2.64466150091489	0.00842446188211882	0.0132719373327912	0.0373815073954798
HNSC	CBX6	cg25836955	0.0820945164969773	530	1.87838339725456	0.0608879968508358	0.00673950963887247	0.166364176278938
HNSC	CBX7	cg00545295	-0.18837589937289	530	-4.37393802848013	1.47484011144762e-05	0.0354854794645453	0.000183691501168677
HNSC	CBX7	cg01525244	-0.00060042725441199	530	-0.0136918504688506	0.989081076620693	3.60512887840727e-07	0.994282932206057
HNSC	CBX7	cg02523424	-0.0365813670588714	530	-0.834742226247817	0.40424618797912	0.00133819641589589	0.600690083617895
HNSC	CBX7	cg03804568	0.0321574470178484	530	0.733682065421141	0.463473182959511	0.00103410139870573	0.652721870621089
HNSC	CBX7	cg10339854	-0.0179572205934057	530	-0.4095536704988865	0.682302039264572	0.000322461771440233	0.816863984403393
HNSC	CBX7	cg22268271	-0.233045056535896	530	-5.46471060573026	7.20331073929342e-08	0.054309998375819	1.61584300937887e-06
HNSC	CBX7	cg26672614	-0.0682084699000823	530	-1.55902324747051	0.119599249476029	0.00465239536611043	0.270130476838202
HNSC	CBX7	cg27062573	-0.0771813834707416	530	-1.76527202042466	0.0781049361551677	0.00595696595445767	0.19943856769038
HNSC	CDYL2	cg01442398	-0.0974501492580275	529	-2.23068469347251	0.0261286211733263	0.00949653159041184	0.0890731794722939
HNSC	CDYL2	cg02461391	-0.129539040663088	530	-2.97904508841847	0.00302656579032794	0.0167803630559132	0.0165879004574307
HNSC	CDYL2	cg06919916	-0.088030186314565	530	-2.01522057638538	0.0443955981923153	0.00774931370257702	0.132250092505188
HNSC	CDYL2	cg10112854	0.193051890363971	530	4.48666102978169	8.91275986012409e-06	0.0372690323731025	0.000118159379781611
HNSC	CECR2	cg03927893	-0.245136221557173	530	-5.76589106119469	1.3943727163046e-08	0.0600917671193272	3.6920977226753e-07
HNSC	CECR2	cg12632097	-0.164931762388571	530	-3.81324531639472	0.000153604765735438	0.0272024862445999	0.00139012670377183
HNSC	CECR2	cg13466481	-0.153216856165711	530	-3.53562849739853	0.000443134336145498	0.0234754050133042	0.00338603207406963
HNSC	CECR2	cg26796679	-0.221900196736294	530	-5.18947995738856	3.0286004798121e-07	0.0492396973116059	5.87255597523685e-06
HNSC	CHAF1A	cg03006338	0.186304087320311	530	4.32409248487639	1.83639619786385e-05	0.0347092129522542	0.000222593651942381

HNSC	CHAF1A	cg04346879	0.0335436167148312	530	0.765342842147834	0.444414638276761	0.00112517422231151	0.636371527943277
HNSC	CHAF1A	cg05297461	0.0511107122376924	530	1.16702887548072	0.243733594202444	0.0026123049054442	0.436427087128503
HNSC	CHAF1A	cg07783855	0.0630212493896531	530	1.43996798570686	0.150478209190937	0.00397167787463284	0.316283956711331
HNSC	CHAF1A	cg09700233	-0.030201479482808	529	-0.688351168512878	0.491539221175336	0.000912129362950472	0.67716450038276
HNSC	CHAF1A	cg18804734	0.0521854843916425	530	1.19163584895112	0.233947640113283	0.00272332478119036	0.424899556766343
HNSC	CHAF1A	cg23811775	0.0132856296132675	530	0.302985708714187	0.762021922948138	0.00017650795422093	0.867755741401266
HNSC	CHAF1A	cg24085258	-0.0203782066664038	530	-0.464791126202967	0.642275598454103	0.000415271306938665	0.789972095617376
HNSC	CHAF1B	cg00660452	0.0115201960749324	530	0.262718323037981	0.792871746196095	0.000132714917604888	0.886436517792237
HNSC	CHAF1B	cg02544117	-0.0102494659165273	519	-0.231250638005727	0.817213020516291	0.000105051551574055	0.901749341948
HNSC	CHAF1B	cg02908490	-0.0893389812070074	530	-2.04542128793888	0.041316034353615	0.00798145356310602	0.125312471305124
HNSC	CHAF1B	cg04634639	-0.0393390030882065	530	-0.897762229534603	0.36972779702067	0.00154755716397392	0.568421806226623
HNSC	CHAF1B	cg07872789	0.048108865388193	530	1.09832267073385	0.272571899447723	0.00231446292893928	0.468960173823245
HNSC	CHAF1B	cg13854874	-0.108492030492266	530	-2.48868887667975	0.0131332902208459	0.0117705206803347	0.0527325285764753
HNSC	CHAF1B	cg25942896	-0.0452830919185452	530	-1.03367371958731	0.301769208959784	0.00205055841370342	0.500169377095936
HNSC	CHD1	cg03255775	0.193970326328153	530	4.50883856752817	8.06166879589595e-06	0.0376244874958502	0.000108315969310523
HNSC	CHD1	cg03833628	-0.0974949881844707	530	-2.23386991278488	0.0259160145978068	0.00950527272109008	0.0885113021170333
HNSC	CHD1	cg08865521	-0.0035340823358078	530	-0.080589979866737	0.935799041771599	1.24897379562687e-05	0.965767453642607
HNSC	CHD1	cg11365324	-0.146848438914792	530	-3.3853603014239	0.000764573613189775	0.0215644640117113	0.00536090488188241
HNSC	CHD1	cg12662497	-0.186133538848622	530	-4.31999194701626	1.86964309165408e-05	0.0346456942843116	0.000226165471423009
HNSC	CHD1	cg16890600	0.0876649529820997	530	2.0067946262016	0.0452886829717678	0.00768514398135375	0.134242248165582
HNSC	CHD1	cg21082921	-0.213118053703364	530	-4.97411233961587	8.92055051991007e-07	0.0454193048143099	1.54730280300086e-05
HNSC	CHD4	cg00079216	-0.076199833991197	530	-1.74269031924237	0.0819788670241395	0.00580641470028598	0.206550847949084
HNSC	CHD4	cg00824109	-0.16024327947708	530	-3.70194721054342	0.000236794700620803	0.0256779086175694	0.00199904578839878
HNSC	CHD4	cg04344119	0.142191984440014	530	3.27576081128017	0.00112404656018924	0.0202185604389891	0.00739985428648233
HNSC	CHD4	cg05147525	-0.174236919107035	530	-4.03493235776902	6.28212525082482e-05	0.0303585039799113	0.000647900903834901
HNSC	CHD4	cg11565429	0.231454775077691	530	5.42530138486325	8.88155152520998e-08	0.0535713129062646	1.94793182788888e-06
HNSC	CHD4	cg19509514	-0.238166592068379	530	-5.59194597030227	3.63190251757713e-08	0.0567233255774657	8.77999454482272e-07
HNSC	CHD4	cg20308811	-0.282281581158088	529	-6.70343607834299	5.32228651451858e-11	0.0796828910611104	2.21649869973479e-09
HNSC	CHRA1	cg00296189	-0.313079831589111	530	-7.51723390855324	2.46633549912831e-13	0.0980189809478661	1.53003272583084e-11
HNSC	CHRA1	cg07270064	-0.30591507341176	530	-7.32721229195036	9.02765591910441e-13	0.0935840321405227	5.12625886548035e-11
HNSC	CHRA1	cg08877624	-0.141043143061838	530	-3.24875485097724	0.00123402131546573	0.019893168204762	0.00800195500669677
HNSC	CHRA1	cg12002314	0.0139697373913044	530	0.318590113887805	0.750165271474607	0.000195153562782008	0.86005692563356
HNSC	CHRA1	cg18770186	0.0440084409286172	530	1.00452007687215	0.315595200407894	0.00193674287296759	0.514812602653213
HNSC	CHRA1	cg19486048	0.088595056938979	530	2.02825378262925	0.04304355775898	0.00784908411402093	0.129167201523765
HNSC	CHRA1	cg22610305	-0.0336044404979799	530	-0.766732186277655	0.44358870856318	0.00112925842118227	0.635727128587083
HNSC	CHRA1	cg23548819	-0.122810392669995	530	-2.8218689512052	0.00495715094673479	0.0150823925477583	0.0246082956256963
HNSC	CLOCK	cg05960024	-0.00550504202967748	530	-0.125536174959441	0.900147606704808	3.03054877485155e-05	0.947367965464346
HNSC	CLOCK	cg06085476	-0.109458375655086	529	-2.50870768177639	0.0124211351979847	0.0119811360010499	0.0505111664592036
HNSC	CLOCK	cg07236904	0.0553433046322577	530	1.26395867991665	0.206811156258578	0.00306288136761888	0.391547020929175
HNSC	CLOCK	cg07500410	0.11044247834842	530	2.53397755686809	0.0115700274128819	0.0121975410237411	0.047769807481039
HNSC	CLOCK	cg11774413	-0.138838559359473	530	-3.19696882268915	0.00147326855492641	0.019276145565014	0.00926228010036728
HNSC	CLOCK	cg18928811	0.0542256349511426	530	1.23835671207275	0.216142580623108	0.00294041948585458	0.403392172276326
HNSC	CLOCK	cg22523077	0.00692717673587113	530	0.157967723738668	0.874543555181446	4.79857775299943e-05	0.933548874566535
HNSC	CLOCK	cg23506964	-0.0672404756912374	530	-1.53679684051945	0.124951290367549	0.00452128157118388	0.278318172586878
HNSC	CREBBP	cg00039463	-0.183039261226049	530	-4.24566529992072	2.581781300421e-05	0.0335033711501779	0.000299410560873979
HNSC	CREBBP	cg00747661	0.0923170296639198	530	2.11418042921233	0.0349752389834173	0.00852243396596904	0.110784354294624
HNSC	CREBBP	cg03039399	-0.191140724712511	530	-4.44055116540328	1.09661460768444e-05	0.0365347766436241	0.000142017707325126
HNSC	CREBBP	cg03264209	-0.191994505958732	530	-4.46114345992484	9.98599531542e-06	0.0368618903183375	0.000130881886581992
HNSC	CREBBP	cg08506924	0.0450746343131027	530	1.02890556359812	0.304002396381284	0.00203172265845994	0.502615400167589
HNSC	CREBBP	cg24567591	-0.0117677113369514	530	-0.26836368753596	0.788525815261452	0.000138479030109813	0.883644155465996
HNSC	CTCF	cg01866162	-0.173464353669495	530	-4.01648518280305	6.77831869892211e-05	0.0300898819939756	0.000690561190235656
HNSC	CTCF	cg04487155	-0.0698409176168973	530	-1.59651642542409	0.110981042397011	0.00487775377357023	0.256526598889741
HNSC	CTCF	cg06241380	-0.114692339048776	530	-2.63276115974379	0.0087212852841295	0.0131543326364794	0.0383659617390619
HNSC	CTCF	cg07967402	-0.0396661015246588	530	-0.905238714823737	0.365758158350404	0.00157339961016454	0.564604138636227
HNSC	CTCF	cg08324636	0.314326265216091	530	7.55043535903431	1.96086230599572e-13	0.0988010010046965	1.23717211867503e-11
HNSC	CTCF	cg10218542	-0.194110431679756	530	-4.51222278256725	7.93885238310428e-06	0.0376788596869012	0.000106813400603807
HNSC	CTCF	cg10481400	-0.0841344466953556	530	-1.92538720058523	0.0547259613772982	0.00707860512073364	0.154124988605197

HNSC	CTCF	cg23858565	-0.0486040359555321	530	-1.10965401900847	0.26766103734032	0.00236235231116665	0.463379869930821
HNSC	CXXC1	cg02159718	-0.0801545107139695	530	-1.83370409952256	0.0672692848845678	0.00642474558779585	0.179039541151256
HNSC	CXXC1	cg07675399	0.0226987723752464	530	0.517745046023145	0.604856352113198	0.000515234267343249	0.763656053626339
HNSC	CXXC1	cg11871295	0.182446712225575	530	4.23144684490425	2.74471662688204e-05	0.0332868028019219	0.000315348523514491
HNSC	CXXC1	cg13423076	-0.140529089329007	530	-3.23667526816519	0.00128636848218185	0.01974842494764	0.00827541241252606
HNSC	CXXC1	cg15632775	0.161324058013868	529	3.72399434445524	0.000217567537974253	0.0260254516940618	0.00186198559396799
HNSC	CXXC1	cg20016845	-0.139069057332793	530	-3.20238097417808	0.00144639419789145	0.0193402027074318	0.00912651392901025
HNSC	CXXC1	cg27419474	-0.00980351162675391	530	-0.223565204284362	0.823183442555795	9.61088402158991e-05	0.904842315704835
HNSC	DAXX	cg00221327	-0.0170413418710385	529	-0.388284932777168	0.697964404598884	0.000290407332765611	0.826728359955793
HNSC	DAXX	cg02173004	-0.116173302834148	530	-2.66721874811022	0.00788658606597566	0.0134962362913947	0.0355277709431068
HNSC	DAXX	cg02328295	0.0534316399779716	530	1.22017186026192	0.222952793361833	0.00285494015073557	0.411648303194342
HNSC	DAXX	cg03085224	-0.0947156925847813	530	-2.16960385157849	0.0304890611069096	0.0089710624218148	0.0999059020155395
HNSC	DAXX	cg03369465	0.00293449881191288	530	0.0669171567284303	0.946673374931034	8.61128327711812e-06	0.971538178296173
HNSC	DAXX	cg03382121	-0.00857573387709664	530	-0.195564011712076	0.845027823738181	7.35432115307829e-05	0.917199030115386
HNSC	DAXX	cg03902329	-0.039294046282876	530	-0.896734674988798	0.370275468319575	0.0015440220732808	0.568946642978843
HNSC	DAXX	cg04086445	-0.0404245754257047	530	-0.922576269919094	0.356655923803903	0.00163414629834849	0.555510477052118
HNSC	DAXX	cg04152866	-0.0472347836357248	530	-1.07832239786527	0.281389853064975	0.00223112478511374	0.47857375722736
HNSC	DAXX	cg04271391	0.0806673023337259	530	1.84551188484489	0.0655314139756235	0.00650721366580074	0.175597644627296
HNSC	DAXX	cg04488476	-0.0468167713152415	530	-1.06875854309249	0.285674359937242	0.00219181007638362	0.482925555899907
HNSC	DAXX	cg04973788	-0.00446762829758127	530	-0.101878616606111	0.918892295287202	1.99597026053489e-05	0.95723382012872
HNSC	DAXX	cg05431670	-0.0371611074574696	527	-0.845539685295826	0.398200731992808	0.0013809479074656	0.594800536081713
HNSC	DAXX	cg05532204	-0.0352657034873052	530	-0.804682304532179	0.421370779300062	0.00124366984245453	0.616503703238025
HNSC	DAXX	cg06171013	-0.0805604432692481	530	-1.84305117553294	0.0658904864951682	0.00648998501973774	0.176286566922486
HNSC	DAXX	cg07689821	0.0424394945091197	530	0.968642082804106	0.333174104378317	0.0018011106941896	0.532829254913387
HNSC	DAXX	cg08375286	-0.014245365453674	530	-0.324877277653161	0.745404613915427	0.000202930436908729	0.857002825017888
HNSC	DAXX	cg08567382	0.0342168337013254	530	0.780721022919613	0.435321849009969	0.00117079170854416	0.628661196758191
HNSC	DAXX	cg09097215	-0.0557173305492843	529	-1.27130321372803	0.204190250194234	0.00310442092353821	0.388238453467195
HNSC	DAXX	cg09432361	0.0605151294369496	530	1.38249098732556	0.167414451439022	0.00366208089077076	0.340190153464823
HNSC	DAXX	cg09615909	-0.279464325220277	530	-6.63722000329946	8.05074690507028e-11	0.0781003090708246	3.27391429552032e-09
HNSC	DAXX	cg11111423	-0.221708977284385	530	-5.18477670681915	3.10216907930195e-07	0.049154870608488	6.00323734714468e-06
HNSC	DAXX	cg12025215	0.058808405889207	530	1.34336295805241	0.17974042730593	0.00345842860322972	0.35671222732342
HNSC	DAXX	cg12832355	-0.28523483891883	530	-6.78627272072818	3.14424964784355e-11	0.0813589133330511	1.36421504241127e-09
HNSC	DAXX	cg12923297	0.00360159405985561	530	0.0821295134369966	0.934575326878685	1.29714797719872e-05	0.965222617950599
HNSC	DAXX	cg13443893	-0.0168796902523074	529	-0.384600665249619	0.700690842821812	0.000284923943013843	0.828515062587782
HNSC	DAXX	cg13826470	-0.0360003038268895	530	-0.821465725751814	0.411757499060075	0.00129602187562836	0.607396379806957
HNSC	DAXX	cg14539675	0.0402363262988155	530	0.918273034494042	0.358901663390366	0.00161896195402475	0.557894656951408
HNSC	DAXX	cg14622330	-0.0672839306550175	530	-1.53779452911205	0.124707102002985	0.0045271273243892	0.277923175673081
HNSC	DAXX	cg14746369	0.0952617877941293	530	2.18222720093681	0.0295395644615729	0.00907480821373373	0.0975886675593435
HNSC	DAXX	cg14910283	-0.152350910658271	530	-3.51516974602768	0.00047784878153677	0.0232107999784046	0.00360420478096485
HNSC	DAXX	cg16922466	0.0309060188197933	530	0.705102493977504	0.481062159725853	0.000955181999289418	0.668305111856013
HNSC	DAXX	cg17079757	-0.0215127422345168	530	-0.490679556363562	0.623860100535368	0.000462798078448762	0.777217549501127
HNSC	DAXX	cg17504991	0.0630281286791781	530	1.44012579697562	0.150433582498262	0.00397254500479903	0.316224333032583
HNSC	DAXX	cg18187593	-0.0470258281140184	530	-1.0735415583999	0.28352612202782	0.0022114285098092	0.48078801850711
HNSC	DAXX	cg18279148	-0.158014299973326	516	-3.59966703498132	0.000349996117566106	0.0249685189960603	0.00277917709196057
HNSC	DAXX	cg18486541	0.0638102208467797	529	1.45666571873322	0.145813383650328	0.0040717442845148	0.309802167627847
HNSC	DAXX	cg18944910	-0.151406066921959	530	-3.4928564053671	0.000518601637420956	0.0229237971007769	0.00386696978640141
HNSC	DAXX	cg18967278	0.108864222405119	530	2.49732877331259	0.0128213452505748	0.0118514189198712	0.051803455511749
HNSC	DAXX	cg20223162	-0.116005648822993	529	-2.66075492702895	0.00803793851992537	0.0134573105588435	0.0360613257911807
HNSC	DAXX	cg20763184	0.060022659896514	530	1.37119948768325	0.170904220335661	0.00360271970105259	0.344876213763389
HNSC	DAXX	cg21286626	0.0887435084859233	530	2.03167931782011	0.0426940469256365	0.00787541029839114	0.128423036693644
HNSC	DAXX	cg24328964	-0.0791544163901448	530	-1.8106796557028	0.0707674519551053	0.00626542163406442	0.18583234286567
HNSC	DAXX	cg24496586	-0.0515368863445105	530	-1.17678566619215	0.239819452885064	0.00265605065408699	0.43173746038119
HNSC	DAXX	cg24513883	-0.288785720218344	530	-6.87838997427802	1.74402757465054e-11	0.0833971922020274	7.89541560022389e-10
HNSC	DAXX	cg24728112	-0.29880126691601	530	-7.1399010526253	3.16252025715199e-12	0.0892821971106128	1.6533944951941e-10
HNSC	DAXX	cg25642825	-0.00211521530839077	530	-0.0482344381722471	0.96154792409259	4.47413580085066e-06	0.979823418084945
HNSC	DAXX	cg26521092	-0.0229191020355275	530	-0.522773258698285	0.601354710383617	0.000525285238114919	0.761037485514355
HNSC	DAXX	cg27052777	-0.275473912136591	530	-6.53460505788381	1.52302068801063e-10	0.0758858762678384	5.85963755702763e-09

HNSC	DAXX	cg27393652	0.0129161315369314	530	0.294557686347098	0.768449342041103	0.000166826453879313	0.871692077771906
HNSC	DIDO1	cg00080059	0.00897949364201816	530	0.204772215301264	0.837830222040516	8.06313060670446e-05	0.913204773421601
HNSC	DIDO1	cg01488865	-0.0563710831141294	530	-1.28750575364382	0.198490792362129	0.00317769901146009	0.381124115922848
HNSC	DIDO1	cg06646488	-0.187763338741294	530	-4.3591942174889	1.57400642051842e-05	0.0352550713752779	0.000194454907857409
HNSC	DIDO1	cg08610063	-0.0960898995538093	530	-2.2013733455519	0.0281481484832694	0.00923326879626116	0.09417727161067
HNSC	DIDO1	cg13815390	0.0366456658628345	530	0.836211417867435	0.40342006139232	0.00134290482653051	0.599853206414408
HNSC	DIDO1	cg20969846	-0.0104208796771459	530	-0.237645522192314	0.812249643893671	0.000108594733245553	0.898810116313395
HNSC	DIDO1	cg21212389	-0.0145455408764204	530	-0.331724458827265	0.740230984676296	0.000211572759387616	0.853789334172131
HNSC	DIDO1	cg21687703	0.0926009445328788	530	2.12073859982482	0.0344164898356878	0.00857493492838129	0.109419935848523
HNSC	DIDO1	cg22394521	-0.146060584501058	530	-3.36680053808209	0.000816737074903498	0.0213336943447908	0.00566778763770604
HNSC	DMAP1	cg01604592	0.0384862608440011	530	0.878272462595771	0.380201500964443	0.00148119227375249	0.57862244508146
HNSC	DMAP1	cg11683482	-0.145463819178972	530	-3.3527466866055	0.000858419171283875	0.0211597226901326	0.00591390905161688
HNSC	DMAP1	cg15990015	-0.122509621989716	530	-2.81485257435046	0.00506498716258897	0.0150086074800632	0.025039756693343
HNSC	DMAP1	cg18017761	-0.0488554763031764	530	-1.11540822479939	0.265190728595045	0.00238685756481023	0.460866936384661
HNSC	DMAP1	cg18167340	-0.115928960340457	530	-2.66153239502961	0.00801918669335808	0.0134395238456193	0.0359979578547662
HNSC	DMAP1	cg21437596	-0.0133481266128248	530	-0.304411238762453	0.760936390567419	0.000178172484072001	0.866989155625557
HNSC	DMAP1	cg23021241	0.0590016086253855	530	1.34779168851662	0.178312267406848	0.00348118982038317	0.354893688148596
HNSC	DMAP1	cg23451311	-0.064415674557951	530	-1.4719604178575	0.141636505366256	0.00414937912875586	0.303748319737079
HNSC	DMAP1	cg24485408	0.0242790223651211	530	0.553810144474051	0.579946840826779	0.000589470927006052	0.745889100262246
HNSC	DNMT1	cg04160663	-0.0664496668993569	530	-1.51864207970477	0.129460345157526	0.00441555823103549	0.285303833655292
HNSC	DNMT1	cg04762346	-0.100542723456988	530	-2.30440385844901	0.0215931621727889	0.0101088392401483	0.0771975394333614
HNSC	DNMT1	cg06128182	0.0549705154311659	530	1.25541883675335	0.209890600324095	0.00302175756676804	0.395442817117839
HNSC	DNMT1	cg06716436	0.122299732878213	530	2.80995674882884	0.00514148718466946	0.0149572246620822	0.0253422577484747
HNSC	DNMT1	cg10635912	0.0035803636532708	530	0.0816453763154261	0.934960131928345	1.28190038896626e-05	0.965401156119957
HNSC	DNMT1	cg11380607	0.0726111283219767	530	1.66017078822756	0.097482955226637	0.00527237595619057	0.233750093820218
HNSC	DNMT1	cg13393778	-0.119523308108242	530	-2.74523024399355	0.00625609561386029	0.0142858211811376	0.0296489005290678
HNSC	DNMT1	cg15043801	0.00115912109938845	530	0.0264320456012804	0.97892287476379	1.34356172304748e-06	0.989094294612233
HNSC	DNMT1	cg21893394	-0.0472149475026427	530	-1.07786854702368	0.281592179767781	0.00222925126767731	0.478698090836387
HNSC	DNMT1	cg23401624	0.0497904910612799	530	1.13680788689421	0.256142196464445	0.00247909300012339	0.450407389195811
HNSC	DNMT1	cg24477899	-0.0127192191392697	530	-0.290066285979432	0.771881159031586	0.000161778535512766	0.87355184086022
HNSC	DNMT1	cg27429799	0.11220289241791	530	2.57487915460585	0.0103028551308746	0.0125894890669452	0.0436119442839948
HNSC	DNMT3A	cg02208653	0.0307840125992086	530	0.702316348859436	0.482796149694851	0.000947655431708236	0.669806628843193
HNSC	DNMT3A	cg03463641	-0.0319065182870875	530	-0.727951191967292	0.466971116882444	0.00101802590920425	0.656099099979281
HNSC	DNMT3A	cg06112956	-0.00145314663052187	530	-0.0331368765302478	0.973578150826012	2.11163512979707e-06	0.986166048168107
HNSC	DNMT3A	cg07150430	-0.126617314915554	530	-2.91074574760538	0.00376028148419734	0.0160319444364246	0.0197533484895434
HNSC	DNMT3A	cg12066181	0.0181198180137537	530	0.413263272612167	0.679584098260429	0.000328327804851553	0.81512790002886
HNSC	DNMT3A	cg13076778	-0.122902837022065	528	-2.81858960051562	0.00500800609663087	0.0151051073480722	0.0248037706934043
HNSC	DNMT3A	cg13344237	-0.00651111745961817	530	-0.148479469748789	0.882021947036192	4.23946505729446e-05	0.937367079338566
HNSC	DNMT3A	cg15990840	-0.00259748253658313	530	-0.0592319149234254	0.952790145346617	6.74691552785431e-06	0.975037248149736
HNSC	DNMT3A	cg15998962	-0.00209498350421851	530	-0.0477730789870436	0.961915434030123	4.38895588294769e-06	0.980018194467297
HNSC	DNMT3A	cg21629895	-0.322927187884106	530	-7.78073499791003	3.91104334550749e-14	0.104281968674736	2.73120023357639e-12
HNSC	DNMT3A	cg21708767	0.034864243382399	530	0.795510695170694	0.426679462915152	0.00121551546662716	0.621174357326916
HNSC	DNMT3A	cg22731525	-0.0949330160880275	530	-2.17462718964126	0.0301081140554079	0.00901227754356968	0.0989828265573426
HNSC	DNMT3A	cg25044635	0.0254529029582175	530	0.580603591574857	0.561759175555247	0.000647850269000435	0.732063313860899
HNSC	DNMT3A	cg26470599	-0.129859534398833	530	-2.98654183676388	0.00295457144717673	0.0168634986742818	0.0162632877450325
HNSC	DNMT3A	cg26995204	-0.201762045407666	530	-4.69748838611955	3.37547820963747e-06	0.0407079229670852	5.01991878876959e-05
HNSC	DNMT3B	cg00300969	0.0583595294889582	530	1.33307407804531	0.183091230296729	0.00340583468217258	0.361140952578694
HNSC	DNMT3B	cg13636640	-0.0689321041392344	529	-1.57412594820899	0.116067695699126	0.00475163498106226	0.264589178902239
HNSC	DNMT3B	cg14224313	0.161836676741427	530	3.73974298413506	0.000204674797915705	0.0261911099387092	0.00177034369902761
HNSC	DNMT3B	cg16523653	0.115189408280207	530	2.64432447550101	0.00843274185182687	0.0132685997799443	0.0374118460006284
HNSC	DNMT3B	cg16953106	0.00946496760761901	530	0.215844137792446	0.82919388070521	8.95856118132772e-05	0.908212836738775
HNSC	DNMT3B	cg17475857	0.0137071437971076	530	0.312600338075668	0.754709642593316	0.000187885791074584	0.863016594433485
HNSC	DNMT3B	cg17721173	-0.0651453231701501	530	-1.48870425526838	0.137171458286277	0.00424391313094329	0.29708007867268
HNSC	DNMT3B	cg22605822	0.115243847028915	530	2.64559100562442	0.00840166378174703	0.0132811442780238	0.0373144001048886
HNSC	DNMT3B	cg24403338	0.00490932277579439	530	0.111951132757255	0.910905353672094	2.41014501169336e-05	0.952766632832726
HNSC	DNMT3B	cg25803642	-0.0162856332384655	530	-0.371418833474841	0.710476883716965	0.000265221849977811	0.835090674700729
HNSC	DNMT3L	cg09247319	0.0120243658135661	530	0.274217552700821	0.784026337892781	0.000144585373218458	0.880858606601159

HNSC	DNMT3L	cg15635600	-0.10592521762777	530	-2.42913266121751	0.0154727522433458	0.0112201517294904	0.0598135205733873
HNSC	DNMT3L	cg27187798	0.0618255269576115	530	1.41254116002542	0.158388882957353	0.00382239578358634	0.327513283737822
HNSC	DPF1	cg06168449	-0.137531283656505	530	-3.16628364865278	0.00163456288797037	0.018914853984206	0.0100919988338704
HNSC	DPF1	cg06615189	-0.0853895122532214	530	-1.95431833150494	0.0511991389216456	0.00729136880284306	0.146794892318229
HNSC	DPF1	cg07480327	-0.0220227602336862	512	-0.493547494471409	0.62184164084261	0.000485001968310431	0.775982878165413
HNSC	DPF1	cg08057062	-0.132539805279536	530	-3.04927423936559	0.00241081169271021	0.0175667999835373	0.0138225728295484
HNSC	DPF1	cg13322582	-0.124211027551086	530	-2.85455338608826	0.00448174945266928	0.0154283793652968	0.0227209655862466
HNSC	DPF1	cg13917712	-0.0434325022803771	530	-0.991348907879907	0.321976304075888	0.00188638225433496	0.521406036746802
HNSC	DPF1	cg17121541	-0.0711302317456047	530	-1.62613779102879	0.104526175446061	0.00505950986818343	0.245856796263255
HNSC	DPF1	cg22145401	-0.0712094529863074	530	-1.62795812613397	0.104139463399854	0.00507078619460912	0.245215370655859
HNSC	DPF1	cg27400772	-0.0508211475026003	432	-1.04535129930848	0.296459040791059	0.00258278903348106	0.494406798916299
HNSC	DPF2	cg02186298	0.276229435049833	530	6.55400532817675	1.35091307449878e-10	0.0763027007879501	5.25464658587791e-09
HNSC	DPF2	cg14699126	-0.0829419718620399	530	-1.89790743118083	0.058261805918772	0.00687937069636342	0.161146943384944
HNSC	DPF2	cg15918224	-0.0521388721215593	530	-1.19056857270157	0.234366206039026	0.00271846198610831	0.425302307788845
HNSC	DPF2	cg15929437	0.0282742883080239	530	0.645010847614014	0.519204620325742	0.000799435379325258	0.699847597352822
HNSC	DPF2	cg18224556	-0.0261693950086051	530	-0.596958466272062	0.550794929841832	0.000684837235116403	0.72328866486219
HNSC	DPF2	cg19517014	-0.0625374244805696	530	-1.42886953205003	0.153642142594323	0.00391092946066295	0.320939714327447
HNSC	DPF3	cg00888802	0.0127736040406619	530	0.291306754839227	0.770932883236366	0.000163164960187613	0.873110390427862
HNSC	DPF3	cg05151458	-0.0495517125939766	530	-1.13134268676293	0.258432362710768	0.00245537222099606	0.453056211586836
HNSC	DPF3	cg07171024	0.0138819511314935	530	0.316587696701602	0.751683522956658	0.000192708567217175	0.86094827792421
HNSC	DPF3	cg10266394	-0.0223954255674087	530	-0.51082239618412	0.609692219587291	0.000501555086345345	0.767146983204324
HNSC	DPF3	cg12913429	-0.022132232796931	528	-0.503844476735778	0.614584880613354	0.000489835728577547	0.770790848282879
HNSC	DPF3	cg13819165	0.01181392771069	530	0.269417802820156	0.787715059528443	0.000139568887953409	0.883080181036348
HNSC	DPF3	cg14238615	0.00314788670471891	530	0.0717832168920101	0.942802029258766	9.90919070574609e-06	0.969564024258568
HNSC	DPF3	cg14242696	-0.04322954655263	530	-0.986707740100558	0.324244818384804	0.00186879369514601	0.523640808815002
HNSC	DPF3	cg15392845	0.0153692761099706	530	0.350514819255399	0.726094313816074	0.000236214648144512	0.84486196190445
HNSC	DPF3	cg15740492	0.0253528465758325	530	0.578319744691971	0.563298636772662	0.0006427668294977	0.733275115026396
HNSC	DPF3	cg16696021	0.0221666122050592	530	0.505600760806011	0.613351190558737	0.000491358696649478	0.769820956379697
HNSC	DPF3	cg19710444	-0.0310504867302744	530	-0.708401617087388	0.479013317337016	0.000964132726186949	0.666446606615681
HNSC	DPF3	cg19839347	-0.00922663125920649	530	-0.210408520669485	0.833431262865397	8.51307243933664e-05	0.910655668965696
HNSC	DPF3	cg20548765	-0.00089548428084589	530	-0.020420191599058	0.983716009537196	8.01892097242085e-07	0.99146197920873
HNSC	DPF3	cg21035356	-0.0267084621539393	530	-0.609263989350885	0.542615565520128	0.000713341950628409	0.717175543316618
HNSC	DPF3	cg22784589	-0.0200510512606205	530	-0.457326259926958	0.647627561242459	0.000402044656656031	0.793485030070492
HNSC	DPF3	cg23515460	0.0272106276039232	530	0.620727619493257	0.535050816365487	0.000740418254599387	0.711565631980592
HNSC	DPF3	cg24383902	-0.0509896656922187	530	-1.16425776382598	0.24485344519908	0.00259994600740423	0.43780750473056
HNSC	DPF3	cg25495195	-0.0675982416678978	530	-1.54501110173844	0.12295191387359	0.00456952227659151	0.275283342187789
HNSC	DPF3	cg26057784	0.22178996470552	530	5.18676860376636	3.07080283789171e-07	0.049190788444076	5.95142092603258e-06
HNSC	EED	cg00080012	0.0131363388942121	530	0.299580465086052	0.764616892711538	0.000172563399543588	0.869403199749362
HNSC	EED	cg01739327	0.0286700285238476	529	0.653416904645205	0.513776911248525	0.000821970535558234	0.695350366085474
HNSC	EED	cg02172616	-0.084942466491382	530	-1.94401219355332	0.052432969095312	0.00721522261363955	0.14936906393001
HNSC	EED	cg04607174	-0.18678128885353	530	-4.33556810901485	1.74632818786183e-05	0.0348872498657858	0.000212870346359329
HNSC	EED	cg06358433	-0.160934382513699	530	-3.71833667669531	0.000222323829839306	0.0258998754750657	0.00189622410026521
HNSC	EED	cg10086030	-0.298446993614713	530	-7.13060735209247	3.36325201529052e-12	0.0890706079976608	1.74776771728464e-10
HNSC	EED	cg10535675	-0.205536220101957	528	-4.77074312919511	2.39255287737318e-06	0.0422451377738	3.70105902848219e-05
HNSC	EED	cg12672785	0.00688476768176644	530	0.157000579325205	0.875305330371755	4.74000260318956e-05	0.933977572399637
HNSC	EED	cg16265078	-0.164223422613237	530	-3.79641347968893	0.000164108589699797	0.0269693325348057	0.00146989630613824
HNSC	EED	cg18574463	-0.0143045478965271	530	-0.326227257608508	0.744383668661757	0.000204620090524038	0.85642068031459
HNSC	EED	cg19325359	-0.27360292500281	522	-6.43652779765963	2.81432480498655e-10	0.0748585605700932	1.03029451237235e-08
HNSC	ELP3	cg01209934	0.214992950383239	530	5.01998285614783	7.11000414153365e-07	0.0462219687144899	1.26138121365215e-05
HNSC	ELP3	cg02516513	0.211477899176444	530	4.93403216400499	1.08605945343116e-06	0.0447229018400823	1.83951467712222e-05
HNSC	ELP3	cg04720865	-0.192374932110351	530	-4.47032231732502	9.5941781739448e-06	0.0370081145044622	0.00012626788984332
HNSC	ELP3	cg05621091	-0.230358791645351	530	-5.39816827768891	1.02516267474216e-07	0.0530651728883063	2.22210936525193e-06
HNSC	ELP3	cg15692687	0.167044588219241	530	3.86348722425282	0.000125899124888396	0.0279038944533359	0.00117394181008844
HNSC	ELP3	cg17572663	0.167411817931625	530	3.8722253204383	0.000121591180168808	0.0280267167831715	0.00113923452608121
HNSC	ELP3	cg18022570	-0.0214900078355043	530	-0.49016077258623	0.624226878138145	0.000461820436770037	0.777416684102018
HNSC	ELP3	cg18249244	-0.119686379390557	530	-2.74903008600395	0.00618507293022546	0.0143248294116204	0.0293803238403834
HNSC	ELP3	cg19781013	0.187448588219139	530	4.35162049316869	1.62739428327686e-05	0.0351369732253485	0.000200065598725095

HNSC	ELP3	cg22414525	-0.236889872659277	530	-5.56018242796937	4.3143077798216e-08	0.0561168117685285	1.02419059940019e-06
HNSC	ELP3	cg22487209	-0.14802500671466	530	-3.41308939445997	0.000692391630778708	0.0219114026128751	0.004942096937774
HNSC	ELP3	cg25374552	0.157666314522304	530	3.64088368868279	0.000298890571203409	0.02485866735046	0.00243653914871613
HNSC	ELP4	cg04972224	-0.171437153140211	530	-3.96811631058182	8.26195745114409e-05	0.02939069747682	0.000815906130943133
HNSC	ELP4	cg05195750	0.0490824661645097	530	1.12060306438714	0.262974127235921	0.00240908848479024	0.458356132327901
HNSC	ELP4	cg05635455	-0.15701626065198	530	-3.62549217603227	0.00031679829519533	0.0246541061091306	0.00255812814785401
HNSC	ELP4	cg08111895	-0.0937436265063191	530	-2.1471387882517	0.0322439303951362	0.00878786751055626	0.104169925594633
HNSC	ELP4	cg08626560	-0.195264587781387	530	-4.54011211868266	6.99281852587145e-06	0.0381282592414349	9.5371550561298e-05
HNSC	ELP4	cg09616795	0.162551839172094	530	3.75671655856206	0.000191627687093051	0.0264231004182304	0.00167386978326037
HNSC	ELP4	cg10583382	-0.149647168682485	530	-3.45134447690632	0.000603193441619028	0.022394275094684	0.00439371073008527
HNSC	ELP4	cg11385473	-0.0564818767245031	530	-1.2900443511705	0.19760864993866	0.00319020239832196	0.379968543015673
HNSC	ELP4	cg13263383	-0.0793173436795969	530	-1.81443023508109	0.0701876216383008	0.00629124100838729	0.184733763160333
HNSC	ELP4	cg19328333	-0.0662881166718657	530	-1.51493369248644	0.130396787696845	0.00439411441190288	0.286799831052938
HNSC	ELP4	cg24001477	0.0206776944191398	530	0.471624816882992	0.637392430146413	0.000427567046491326	0.786718707730057
HNSC	ELP4	cg24531794	-0.0745870314280821	530	-1.70559693210819	0.0886803293380148	0.0055632252572537	0.21861737544241
HNSC	ELP4	cg25130734	-0.100878666022031	530	-2.31218257219657	0.0211573395280571	0.0101765052583844	0.0760342805583072
HNSC	EP300	cg00500400	0.0734393799196636	530	1.67920992367962	0.0937118491949277	0.00539334252298468	0.227336272803736
HNSC	EP300	cg02046995	0.0551151542461628	530	1.25873215540902	0.208691897468705	0.00303768022757832	0.393899880427029
HNSC	EP300	cg07519229	-0.0690719099481067	530	-1.57885268551112	0.114977936345925	0.00477092874387937	0.262852084401389
HNSC	EP300	cg08131204	-0.105505525177914	530	-2.41939949435363	0.0158882057619641	0.0111314158430674	0.0609831793490346
HNSC	EP300	cg09331127	-0.145424130351071	530	-3.3518121456123	0.000861259895533297	0.0211481776883652	0.00592822972156409
HNSC	EP300	cg24349919	0.200670860208964	530	4.671010470640007	3.82105462698636e-06	0.0402687941370058	5.60541436265843e-05
HNSC	EPC1	cg02900516	-0.0803901187197635	530	-1.83912913971025	0.0664661597823232	0.00646257118777767	0.177436291374517
HNSC	EPC1	cg16942190	-0.108279839356412	530	-2.48376364077608	0.0133141128744238	0.0117245236110503	0.0532907026627354
HNSC	EPC1	cg26211455	-0.0168930665530869	530	-0.385276164917675	0.700190364041626	0.000285375697567024	0.828282188371254
HNSC	EPC2	cg00066942	-0.0417362630134134	530	-0.952563232475431	0.341253972242935	0.00174191565032482	0.54049537872156
HNSC	EPC2	cg03664802	-0.0596796211346239	530	-1.36333477915472	0.173366992821474	0.00356165717877225	0.348301013365884
HNSC	EPC2	cg04098458	-0.229301474005788	530	-5.37201297487024	1.1765340266974e-07	0.0525791659812273	2.51517691873859e-06
HNSC	EPC2	cg05586854	0.10546721658942	530	2.41851113784164	0.0159266101656008	0.0111233337751196	0.0610853774699379
HNSC	EPC2	cg10458926	-0.185317410910936	530	-4.30037517869536	2.03680932020683e-05	0.0343425427867327	0.000243321897082422
HNSC	EPC2	cg11721798	-0.151893263842248	530	-3.50436077399361	0.000497200899370525	0.0230715636006507	0.00373099708359512
HNSC	EPC2	cg12432635	0.00322745308737354	530	0.0735976372318516	0.941358852494397	1.0416453431197e-05	0.968740700695069
HNSC	EPC2	cg16434205	0.0281422605871925	530	0.641996555329663	0.521158327350755	0.000791986830957448	0.701281202612534
HNSC	EPC2	cg21347644	-0.152219680131337	530	-3.51207002977072	0.000483325133898733	0.0231708310192867	0.00364092141633757
HNSC	EPC2	cg21650422	-0.213518496733052	530	-4.98390457221898	8.50009008677233e-07	0.0455901484471422	1.482304443445498e-05
HNSC	EZH1	cg00728999	-0.0496849737612539	529	-1.1333014786609	0.257610914736799	0.00246859661765649	0.452138423902052
HNSC	EZH1	cg01716316	-0.0268768579500374	530	-0.613108142858624	0.54007289550537	0.00072236549326649	0.715370602117192
HNSC	EZH1	cg03623386	-0.0188127702675199	530	-0.429073102306556	0.668047730511557	0.000353920325138481	0.807428029945096
HNSC	EZH1	cg05375741	-0.0605481134267975	530	-1.38324729094086	0.167182639660235	0.00366607403954434	0.339914439123107
HNSC	EZH1	cg05979501	-0.0141592352688541	530	-0.322912612854437	0.746891226114125	0.000200483943398763	0.857811760316905
HNSC	EZH1	cg06975499	-0.0271025045818357	530	-0.618259305244498	0.536675119644384	0.000734545754608423	0.712732688545592
HNSC	EZH1	cg12812489	0.0819407534422098	530	1.87484138013741	0.0613748218949553	0.00671428707467702	0.16734754808791
HNSC	EZH1	cg19395400	-0.341510820791285	530	-8.28580540072205	1.00316034086582e-15	0.116629640717537	8.56639468247156e-14
HNSC	EZH1	cg22227424	-0.247398308495765	530	-5.82255000930414	1.01550368562201e-08	0.061205923046566	2.77485401191706e-07
HNSC	EZH1	cg27088844	-0.0418220013518859	530	-0.954523497619346	0.340262229341349	0.00174907979707715	0.539473778086717
HNSC	EZH2	cg01893439	-0.0329298846611067	530	-0.75132437488159	0.452797348413898	0.00108437730379379	0.643248240947221
HNSC	EZH2	cg02303805	-0.00839874495519533	530	-0.191527607185886	0.848187015481324	7.0538916822419e-05	0.918982474928679
HNSC	EZH2	cg06816161	0.0482522001880578	530	1.10160262137684	0.271144094711759	0.00232827482298841	0.467453765269181
HNSC	EZH2	cg13751213	0.00755868026686105	530	0.17236935384441	0.863214228290496	5.71336473766347e-05	0.927295529780315
HNSC	EZH2	cg18494018	-0.049778546263375	530	-1.13653448779488	0.256256426041618	0.00247790366809496	0.450539014255519
HNSC	EZH2	cg20101066	0.0225153187329958	530	0.513558450206104	0.607778869326212	0.00050693957764839	0.765655909192482
HNSC	FBXL19	cg00026853	-0.0588104765393498	530	-1.34341042216305	0.179725076196158	0.00345867215078542	0.356708148219306
HNSC	FBXL19	cg02291855	0.0592602610439384	530	1.35372094115241	0.176413506761081	0.00351177853899573	0.352368350284622
HNSC	FBXL19	cg03181514	-0.0693300562965065	530	-1.58478186726799	0.113623827505546	0.00480665670607676	0.26083722960831
HNSC	FBXL19	cg03627896	-0.0790952996257319	530	-1.80931882638153	0.0709788044303338	0.00625606642288431	0.186230189269929
HNSC	FBXL19	cg04477789	-0.233149285018731	530	-5.46729513602349	7.10473466356271e-08	0.0543585891047456	1.59557080951847e-06
HNSC	FBXL19	cg05643349	-0.107545988419492	530	-2.4667326371851	0.0139565075106374	0.0115661396251254	0.0552282692549226

HNSC	FBXL19	cg05768582	-0.0845043756711989	530	-1.93391364900665	0.0536660342541032	0.00714098950757911	0.151935929425857
HNSC	FBXL19	cg06862768	-0.0608301830159092	530	-1.38971516781778	0.165210065133704	0.00370031116574901	0.337163928933375
HNSC	FBXL19	cg07697662	-0.132536053415177	530	-3.04918637881402	0.00241150435554766	0.0175658054548707	0.0138236364185008
HNSC	FBXL19	cg08535091	-0.0870486036042556	530	-1.99257726466637	0.0468300395157975	0.00757745938945082	0.137568767241596
HNSC	FBXL19	cg08593668	0.0557518902149556	530	1.27331915460411	0.20347372510758	0.00310827326254046	0.387311531258877
HNSC	FBXL19	cg09011601	-0.123521205127816	530	-2.83845392176881	0.00471048371331326	0.015257488116228	0.0236493946430134
HNSC	FBXL19	cg11940219	-0.120377396009489	528	-2.75981178420521	0.00598829338580739	0.0144907174700253	0.0286238584120123
HNSC	FBXL19	cg26666512	-0.195360527329939	530	-4.54243130843773	6.91921693050021e-06	0.038165735638632	9.45334671393279e-05
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HNSC	FBXW9	cg02753619	0.0134864352731051	530	0.307566013342263	0.758535729314012	0.000181883936375654	0.86543269819248
HNSC	FBXW9	cg03160342	0.0378989857527132	530	0.864851174211209	0.387519269978232	0.00143633312108436	0.585440519064096
HNSC	FBXW9	cg05868316	0.0474957566470444	530	1.08429358116992	0.278737113125144	0.00225584689947526	0.475655097688779
HNSC	FBXW9	cg06489804	-0.0148709448750277	530	-0.339147220319964	0.734635744306908	0.000221145001476113	0.850403690643054
HNSC	FBXW9	cg12110584	0.00133002034457234	529	0.0302999803756982	0.975839460169663	1.76895411697633e-06	0.987325299645446
HNSC	FBXW9	cg14342428	0.0734346354530703	530	1.67910085205203	0.0937331140518532	0.00539264568412533	0.227380768796965
HNSC	FBXW9	cg15828427	-0.0600843546972703	530	-1.37261399063988	0.170464081640775	0.00361012967938739	0.344266690993035
HNSC	FBXW9	cg19721801	0.137717563277182	530	3.1706550832534	0.00161062982138198	0.0189661272350046	0.00997193285512055
HNSC	FBXW9	cg21564527	-0.0585366421445853	530	-1.33713365258192	0.181763636025243	0.00342653847356324	0.359223644055274
HNSC	FBXW9	cg22303873	-0.101097321185579	530	-2.31724593795218	0.0208777982155815	0.0102206683509	0.0752569082052906
HNSC	FKBP1A	cg04613791	0.0635203702349986	530	1.4514183809057	0.147266405825741	0.00403483743479129	0.311943657757656
HNSC	FKBP1A	cg07516946	0.0727847751813155	530	1.66416214547093	0.0966824650492674	0.00529762349819464	0.232483793460766
HNSC	FKBP1A	cg10996143	-0.0117164597996234	530	-0.267194730919112	0.789425168023388	0.000137275430236191	0.884117093104308
HNSC	FKBP1A	cg21332426	-0.127424844267998	530	-2.92961507126181	0.0035428568201068	0.0162370909367234	0.0188311699551372
HNSC	FKBP1A	cg21775445	-0.087391831258477	530	-2.00049422835006	0.0459663587075773	0.00763733217071012	0.135687444384051
HNSC	FKBP1A	cg24641773	-0.0227570558694473	530	-0.519075144655939	0.603929181074921	0.000517883591845148	0.762844494260934
HNSC	FKBP1A	cg26779912	0.0257603126765295	530	0.587620512126653	0.55704211650644	0.000663593709192566	0.728371898394881
HNSC	FKBP2	cg03764062	-0.0768021331305198	530	-1.75654631151548	0.0795837484833985	0.00589856765339809	0.202278502614353
HNSC	FKBP2	cg04446112	0.00366718347005221	530	0.0836252117452898	0.93338660334702	1.34482346030241e-05	0.964574976707557
HNSC	FKBP2	cg06615912	-0.04987511991311	530	-1.13874493257983	0.255333890427962	0.0024875275863471	0.449633172735878
HNSC	FKBP2	cg09854726	-0.0421648905368529	530	-0.962363302685487	0.336314433173139	0.00177787799398479	0.535857552775651
HNSC	FKBP2	cg10998122	-0.0012950000457267	530	-0.0295305693145604	0.976452768861497	1.67702511843215e-06	0.987547669017307
HNSC	FKBP2	cg12423493	-0.115529137694315	530	-2.65222875449601	0.0082404610242216	0.0133469816563921	0.0367558296495783
HNSC	FKBP2	cg15010817	0.00416569751819196	530	0.0949933429877959	0.92435670825118	1.73530358130706e-05	0.960171416536241
HNSC	FKBP2	cg16977872	-0.0379536186972332	530	-0.866099689863209	0.386834923446577	0.00144047717221497	0.584815500691885
HNSC	FKBP2	cg19924313	0.0162054022584548	530	0.369588561126817	0.711839536158523	0.00026261506235833	0.836016322245109
HNSC	FKBP2	cg21809711	-0.0337332402130937	530	-0.769674272948041	0.441842618739559	0.00113793149527428	0.634328923228788
HNSC	FKBP2	cg22074794	-0.00416514138688822	530	-0.094980609128196	0.924366776608367	1.73484027727691e-05	0.960171416536241
HNSC	FKBP2	cg24677501	-0.0305098531840429	530	-0.696055734039032	0.486704908442075	0.000930851141311853	0.673094277506926
HNSC	FKBP5	cg00130530	-0.104381082854871	530	-2.39332876877091	0.0170498601422903	0.0108954104579555	0.0643840988257526
HNSC	FKBP5	cg00140191	-0.0468816171811619	530	-1.07024213806296	0.285006842627695	0.00219788602952101	0.482179285648665
HNSC	FKBP5	cg00610228	0.0076480578101102	530	0.174407652166031	0.86161298120274	5.84927882667876e-05	0.926506292770974
HNSC	FKBP5	cg01294490	-0.0563369477028716	530	-1.28672362365917	0.198763157343586	0.00317385167647609	0.381449074830019
HNSC	FKBP5	cg07485685	-0.0310661813344301	530	-0.708760027596595	0.478791023062498	0.000965107622703693	0.666256485969484
HNSC	FKBP5	cg07843056	-0.0612416899116265	530	-1.3991516516847	0.162363709086994	0.00375054458323181	0.333023686582831
HNSC	FKBP5	cg08636224	0.0493507730309928	530	1.12674370030664	0.26037054495568	0.00243549879875657	0.455512316420765
HNSC	FKBP5	cg08915438	-0.031426993970707	530	-0.716999886273875	0.473696090446525	0.0009876555950034852	0.661661100026823
HNSC	FKBP5	cg10913456	-0.065143779628203	530	-1.48866883184029	0.137180788292301	0.00424371202424788	0.29709201426495
HNSC	FKBP5	cg16012111	-0.0641797601860677	530	-1.4665472082452	0.143103742203155	0.00411904161754117	0.305841003322863
HNSC	FKBP5	cg17030679	-0.0350994492489843	530	-0.800884074513119	0.42356452980439	0.00123197133758202	0.618621126276579
HNSC	FKBP5	cg20813374	-0.104681629524001	530	-2.40029617203445	0.0167323095892069	0.0109582435598003	0.0634560177537542
HNSC	FKBP5	cg25114611	-0.163232420236657	530	-3.77287503012994	0.000179938808010529	0.0266448230163165	0.0015879931514885
HNSC	FMR1	cg02921434	-0.0758415529822533	530	-1.73444891598479	0.083431052402007	0.00575194115875994	0.209092338860273
HNSC	FMR1	cg03513471	-0.0681545774465643	530	-1.55778569090371	0.119892435420911	0.00464504642691973	0.270567409018106
HNSC	FMR1	cg04552106	-0.076325254185175	530	-1.74557547305171	0.0814753701687701	0.00582554442643157	0.205648582035278
HNSC	FMR1	cg04744025	-0.0905845577146899	530	-2.07417313931755	0.0385547305909788	0.00820556209636599	0.119148560425639
HNSC	FMR1	cg05288927	-0.090049133309018	530	-2.06181265352943	0.0397219282258303	0.0081088464097053	0.121884103829931
HNSC	FMR1	cg07147350	-0.154496847339451	530	-3.56588474641751	0.000396098727831389	0.0238692758378297	0.00308017837194273

HNSC	FMR1	cg08434396	-0.103880546907662	530	-2.38172659768432	0.0175904249114832	0.0107911680258349	0.0659579464772701
HNSC	FMR1	cg14470409	-0.0801810161804928	530	-1.83431439108782	0.0671785391086193	0.00642899535573644	0.178889822393918
HNSC	FMR1	cg16783314	-0.0654931016375969	530	-1.49668585151777	0.135081712410121	0.00428934636211259	0.293813866108397
HNSC	FMR1	cg22625568	-0.173114907609522	528	-4.00042829322609	7.24399787434794e-05	0.0299687712366532	0.00072978447375942
HNSC	FXR2	cg01807919	0.0209621921392743	530	0.478116583650815	0.632768163436997	0.000439413499283855	0.783604008694202
HNSC	FXR2	cg01933235	-0.109509953038341	530	-2.51232099939417	0.0122956259122392	0.0119924298144597	0.0501192518845551
HNSC	FXR2	cg05529097	-0.104068714987817	530	-2.38608802388818	0.0173854763297798	0.0108302974392155	0.0653785346158889
HNSC	FXR2	cg05913233	-0.156982119759189	530	-3.62468394601572	0.000317765946902658	0.0246433859240883	0.00256461085935733
HNSC	FXR2	cg09625173	-0.330410557669781	530	-7.98285880374702	9.21818506024868e-15	0.109171136619655	6.90866559322722e-13
HNSC	FXR2	cg17777561	-0.159344445049517	530	-3.68063976252721	0.000256935365193077	0.0253906521681386	0.00214142166272018
HNSC	FXR2	cg19178740	-0.0921963532611726	530	-2.11139307364242	0.0352150605532182	0.00850016755465893	0.111353565591296
HNSC	FXR2	cg22521096	-0.177977398058733	530	-4.12435620743232	4.32768911862247e-05	0.0316759542197566	0.000468375413597825
HNSC	FXR2	cg26904212	0.037437905167626	530	0.854314500929441	0.393324153149564	0.00140159674334015	0.590118978806911
HNSC	G2E3	cg02259031	0.151712437226723	530	3.50009054080821	0.000505046258255225	0.0230166636092723	0.00378038762770201
HNSC	G2E3	cg05076167	-0.158313858805836	530	-3.65622060693493	0.000281995439501997	0.0250632778899941	0.00232094299837266
HNSC	G2E3	cg07906495	0.122462269496877	530	2.81374800743808	0.00508215592911658	0.0149970074503257	0.0251084788170438
HNSC	G2E3	cg08810065	0.153460431312048	530	3.54138468281892	0.000433801426319131	0.0235501039784799	0.00332353241669003
HNSC	G2E3	cg09837748	-0.215917249949913	530	-5.04261779867092	6.3529277938973e-07	0.0466202588259332	1.14508726783699e-05
HNSC	G2E3	cg18580322	-0.0525698784390789	530	-1.2004375774683	0.2305160150888	0.00276359211909953	0.420808702987636
HNSC	G2E3	cg18755078	0.0532566972311387	530	1.21616546309538	0.224473667075815	0.00283627579996917	0.413710126901112
HNSC	G2E3	cg18956956	-0.00701177449144616	530	-0.15989698994427	0.873024309840131	4.9164981518895e-05	0.932714754243021
HNSC	G2E3	cg19554565	0.120692877073446	530	2.77248822601882	0.00576251064217518	0.0145667705762659	0.0277681338514232
HNSC	G2E3	cg21061067	-0.0610506726881363	530	-1.39477124520131	0.163680335823214	0.00372718463567395	0.334850186578776
HNSC	G2E3	cg22926526	0.053870141359507	530	1.23021455990309	0.219173009923119	0.00290199213009326	0.407071687974364
HNSC	GADD45	cg01810953	-0.0396194091049919	528	-0.90243098254829	0.367247397271882	0.00156969757782871	0.566139109530929
HNSC	GADD45	cg02639608	-0.104254005302614	530	-2.39038300135067	0.0171857054661101	0.0108688976216375	0.0648152795380116
HNSC	GADD45	cg04718306	-0.11248008728218	530	-2.58132174869068	0.0101149696934819	0.0126517700350068	0.0430108746835052
HNSC	GADD45	cg07000785	-0.0968240606863102	530	-2.21835118583081	0.0269620635488125	0.00937489872778628	0.0911752563232481
HNSC	GADD45	cg22224769	-0.116426612179592	530	-2.67311429655169	0.00775119003520476	0.0135551560236171	0.0350783058521652
HNSC	GADD45	cg23369529	-0.175241378508217	530	-4.05892815020987	5.68813453182019e-05	0.0307095407414602	0.000593485431556358
HNSC	GADD45	cg23723105	-0.0862291338522861	530	-1.97367808318818	0.0489473010334786	0.00743546352491547	0.142029329973832
HNSC	GATAD2A	cg02887458	-0.105493868679022	530	-2.4191291849722	0.0158998828115873	0.0111289563288667	0.0610099380213388
HNSC	GATAD2A	cg08505228	-0.0252377635458807	530	-0.575692927075442	0.565071801360798	0.000636944708797783	0.73467653126482
HNSC	GATAD2A	cg08870822	-0.0215636035011169	530	-0.491840179202633	0.623039884494647	0.000464988995953381	0.776712272032758
HNSC	GATAD2A	cg09334331	-0.141460709058809	530	-3.25856907256596	0.0011929513362127	0.0200111322074209	0.00777941162023311
HNSC	GATAD2A	cg11795262	-0.119284046325422	530	-2.73965543984613	0.00636162693245338	0.0142286837077654	0.0300355893417053
HNSC	GATAD2A	cg14948912	0.0939954058384777	530	2.15295697104508	0.0317813079589306	0.00883513631874013	0.102989348916995
HNSC	GATAD2A	cg15264323	-0.0281186687870051	530	-0.641457940312258	0.521507828788753	0.000790659534353293	0.701469327629716
HNSC	GATAD2A	cg22191731	-0.127279451788247	530	-2.92621728789644	0.00358114098225213	0.0162000588475166	0.0189840737017596
HNSC	GATAD2A	cg26631329	-0.1027078020805054	530	-2.35455011163291	0.0189159771659874	0.0105488926091427	0.0697416837749207
HNSC	GATAD2E	cg02134200	0.16795952535313	530	3.8852608996605	0.000115422783087136	0.0282104021568487	0.00108944430811462
HNSC	GATAD2E	cg02940454	0.168197895210722	530	3.89093531985058	0.000112831184109684	0.0282905319533171	0.00106900367027509
HNSC	GATAD2E	cg09805553	-0.0155588553933998	530	-0.354839443252132	0.722853742426319	0.000242077981152726	0.842932066769292
HNSC	GATAD2E	cg10226922	0.00492949972131566	530	0.112411254608757	0.910540712097299	2.42999675024511e-05	0.95260296879863
HNSC	GATAD2E	cg10489353	0.163374759207358	530	3.77625516502983	0.000177580222769326	0.0266913119460622	0.00157092061065692
HNSC	GATAD2E	cg15064304	-0.159133780967703	530	-3.67564719576623	0.000261882114104814	0.0253235602450768	0.00217767466771953
HNSC	GATAD2E	cg20773694	-0.112355409769788	530	-2.57842390455122	0.0101990976280472	0.012623738104537	0.0432730839646783
HNSC	GATAD2E	cg23046518	0.180085588714307	530	4.17483790976329	3.49596787666639e-05	0.0324308192625787	0.000389579322442896
HNSC	GATAD2E	cg23323627	0.280171817420436	530	6.65545214482965	7.18258410723576e-11	0.0784962472766704	2.94085235809631e-09
HNSC	GATAD2E	cg26398333	0.230925206400325	530	5.41218821083881	9.5198981340787e-08	0.0533264509510326	2.07448446902666e-06
HNSC	GLYR1	cg00636946	-0.0633750590321661	530	-1.44808466555113	0.14819603200334	0.00401639810733054	0.313145428989239
HNSC	GLYR1	cg00885266	0.00692945617587982	530	0.158019706711137	0.874502613879464	4.8017362893439e-05	0.933530790314086
HNSC	GLYR1	cg01261535	-0.160565355759787	530	-3.70958453294969	0.000229944500944726	0.0257812334702668	0.00195052911421808
HNSC	GLYR1	cg01565912	0.0240392340783152	530	0.548337339482389	0.583695617476324	0.000577884775072033	0.74864010396599
HNSC	GLYR1	cg02454264	-0.00657533699748113	530	-0.149943994579048	0.880866941204286	4.32350566304442e-05	0.936802455591276
HNSC	GLYR1	cg06399529	-0.129363436212664	530	-2.97493788408147	0.00306668598538495	0.0167348986287479	0.0167511423639262
HNSC	GLYR1	cg06976003	-0.130995299020578	530	-3.01311647156654	0.00271180669737865	0.0171597683654907	0.0151968225195127

HNSC	GLYR1	cg11289281	0.190925975343013	530	4.43537328801813	1.12231851161253e-05	0.0364527280606809	0.000144936331826668
HNSC	GLYR1	cg15663121	0.106668120027848	530	2.44636467340683	0.0147606858232051	0.0113780878302754	0.0576621311673623
HNSC	GLYR1	cg18354686	-0.0117496003780612	530	-0.267950608461693	0.788843591069977	0.000138053109044135	0.883834751828349
HNSC	GTF2B	cg02705666	-0.115106782929656	530	-2.64240222367638	0.0084801070234335	0.0132495714764149	0.0375820028300208
HNSC	GTF2B	cg04270788	-0.133425797919918	530	-3.07002601622231	0.00225223408761269	0.0178024435505668	0.0130812526961133
HNSC	GTF2B	cg05306856	-0.175592101047147	530	-4.06730972796023	5.49353188494303e-05	0.0308325859501514	0.000575884408377925
HNSC	GTF2B	cg06356032	-0.0770535358904489	530	-1.7623304453138	0.0786009400751256	0.0059372473932207	0.200357019906205
HNSC	GTF2B	cg07167781	0.00527300728303856	530	0.120244738100179	0.9043357232074	2.78046058069777e-05	0.949357680480391
HNSC	GTF2B	cg10430205	-0.0778703872639791	530	-1.78112644414692	0.0754754176477898	0.00606379721264209	0.194776402073052
HNSC	GTF2B	cg12074130	-0.215070475109192	530	-5.0218807954736	7.04331373778106e-07	0.0462553092636936	1.25183355932588e-05
HNSC	GTF2B	cg13868361	-0.0355571208668055	530	-0.811340162479942	0.417541558445107	0.00126430884433661	0.612976316689224
HNSC	GTF2B	cg14010405	0.00265871867947913	530	0.0606283282965707	0.951678506223728	7.06878501661125e-06	0.974415272082052
HNSC	GTF2B	cg17811845	-0.0868727069133043	530	-1.98852027064418	0.0472779080079937	0.00754686720644487	0.138538348647326
HNSC	GTF2B	cg22607980	-0.0170994602894707	530	-0.389984706373346	0.696707541636632	0.000292391542191185	0.826176645794859
HNSC	GTF2H1	cg05849260	-0.122237515667565	530	-2.80850555794315	0.00516436322396968	0.0149420102365783	0.0254372845793021
HNSC	GTF2H1	cg07583091	-0.0867243492017507	530	-1.98509859898919	0.0476584438465808	0.0075211127446719	0.139355045314824
HNSC	GTF2H1	cg08690812	-0.144114923084472	530	-3.32099386940038	0.000959984192021384	0.0207691110556433	0.00648892260266848
HNSC	GTF2H1	cg10797557	0.0543277354232474	530	1.24069528746417	0.215277804733848	0.00295150283621837	0.402316297568314
HNSC	GTF2H1	cg11063328	-0.0846281618436335	530	-1.93676696125565	0.053351987338796	0.00716192577703222	0.15117292181884
HNSC	GTF2H1	cg11176342	-0.0536875869647684	530	-1.22603355406815	0.22074097583163	0.00288235699409957	0.40898169652867
HNSC	GTF2H1	cg11347316	-0.0172391549106109	530	-0.393171642950362	0.694353850462935	0.000297188462032038	0.824807562306649
HNSC	GTF2H1	cg11662851	-0.00203345522907091	530	-0.0463700094732262	0.963033142018552	4.13494016863581e-06	0.980566211407814
HNSC	GTF2H1	cg13777411	0.0720629842205522	530	1.64757242429771	0.100044529213168	0.00519307369477156	0.23832146570748
HNSC	GTF2H1	cg14132868	0.00551042528922071	530	0.125658937750199	0.900050473875167	3.03647868680831e-05	0.947322851020738
HNSC	GTF2H1	cg17174493	0.0418280350946675	530	0.954661449952487	0.340192505939309	0.00174958451988073	0.539429196450187
HNSC	GTF2H1	cg18321761	0.0219428686757287	530	0.500494898427837	0.616938402870062	0.000481489485720274	0.772450685480632
HNSC	H2AFZ	cg02758870	-0.0244155427990766	530	-0.556926059572844	0.577817563049507	0.00059611873017354	0.744279153901372
HNSC	H2AFZ	cg09308803	-0.0239336522790273	530	-0.54592762467831	0.585349812406653	0.000572819711413388	0.749859260400863
HNSC	H2AFZ	cg16267491	-0.0405578916907939	530	-0.925623840357866	0.355070864475995	0.00164494257840217	0.553976632125579
HNSC	H2AFZ	cg17709884	-0.0781535982845256	530	-1.78764405653509	0.0744156745683703	0.006107984924819	0.192744897198994
HNSC	H2AFZ	cg20934652	-0.138672837738359	530	-3.19307796398713	0.00149287315497209	0.0192301559264091	0.00936585275950794
HNSC	H2AFZ	cg23752380	0.0141422584431805	530	0.322525365355891	0.747184358167566	0.000200003473873711	0.858061823858748
HNSC	H2AFZ	cg24061702	0.0540906339849906	530	1.23526462223724	0.217289843555034	0.00292579668489822	0.404766201080416
HNSC	H3F3A	cg06319713	-0.1869147040991	530	-4.33877701413972	1.72190781245377e-05	0.0349371066084543	0.000210223001195901
HNSC	H3F3A	cg10632229	-0.0757644110164657	530	-1.7326745368829	0.0837464266117758	0.00574024597667194	0.209686820464644
HNSC	H3F3A	cg10983539	-0.119707063185318	530	-2.74951207020498	0.00617611641242984	0.0143297809764537	0.0293485309503737
HNSC	H3F3A	cg11978873	-0.017382232054013	530	-0.396435770898219	0.69194621054228	0.000302141991179556	0.823111902614163
HNSC	H3F3A	cg15538837	-0.220309678565309	530	-5.15037853271983	3.69537595078413e-07	0.0485363544695496	7.01337098597953e-06
HNSC	H3F3A	cg15624314	-0.213199808331058	530	-4.97611131266198	8.83311876897474e-07	0.0454541582723999	1.53316296634007e-05
HNSC	H3F3A	cg16724613	-0.103439076121717	530	-2.37149504590227	0.0180795733368006	0.0106996424689144	0.0673699443484727
HNSC	H3F3A	cg16727519	-0.00464966365313462	530	-0.10602979080056	0.91559960539651	2.16193720872812e-05	0.955377314763813
HNSC	H3F3A	cg18947521	-0.153745618640136	530	-3.54812509055094	0.000423106724053623	0.0236377152510383	0.00325505977957155
HNSC	H3F3A	cg19410789	-0.141361947793229	530	-3.25624768678405	0.00120254975311827	0.0199832002838957	0.00783248120345636
HNSC	H3F3A	cg21266749	-0.0517713605423825	530	-1.1821539714094	0.237684896164367	0.00268027377240936	0.429202172934954
HNSC	H3F3A	cg21789564	-0.0936577133353376	530	-2.1451535793434	0.0324030993795768	0.00877176726720428	0.104531068344798
HNSC	H3F3A	cg22519151	-0.139790848873955	530	-3.21933226227199	0.0013651261422577	0.0195414814289008	0.00869625148303273
HNSC	H3F3A	cg27530209	-0.207326580791685	530	-4.8327811467564	1.77481235674609e-06	0.042984311102771	2.84354124256345e-05
HNSC	H3F3A	cg27560444	-0.14712211177237	528	-3.38527985484755	0.000765005003259968	0.0216449157723618	0.00536247965611875
HNSC	HAT1	cg00414306	-0.0554797392782161	530	-1.26708425278825	0.205692345319814	0.00307800147037883	0.389988796563809
HNSC	HAT1	cg01583365	0.0540689688530317	530	1.23476840593897	0.217474363718959	0.00292345339283011	0.40498385759791
HNSC	HAT1	cg04507121	-0.0298491600520505	530	-0.680969004905216	0.496194220540959	0.000890972355812926	0.681049495299463
HNSC	HAT1	cg04950839	-0.0986641801985115	530	-2.26092098840992	0.0241766216996246	0.00973462045424436	0.0840353920066393
HNSC	HAT1	cg05421799	-0.0572584587288188	530	-1.30783940660856	0.19150566125714	0.00327853109599985	0.371964702620355
HNSC	HAT1	cg09545452	-0.0573372202710855	530	-1.30964432725595	0.190894500293164	0.00328755682841498	0.371233326395681
HNSC	HAT1	cg10190161	-0.0260421221023322	530	-0.594053228045864	0.552734854235779	0.000678192123592781	0.724897252948822
HNSC	HAT1	cg12941622	-0.00334357638156515	530	-0.07624569863975	0.939252951492226	1.11795030193603e-05	0.967542921650478
HNSC	HAT1	cg13293756	-0.0644820786818457	530	-1.47348414858082	0.141225599661689	0.00415793847113174	0.303201443358119

HNSC	HAT1	cg14446129	-0.0343626738237231	530	-0.784052563446166	0.433366263318129	0.00118079335231558	0.626910665306265
HNSC	HAT1	cg16017358	0.112088910862387	530	2.57223015924418	0.0103810072773196	0.0125639239383161	0.0438806824674963
HNSC	HDAC1	cg03762702	-0.141690042813972	530	-3.26395995075086	0.00117093442503048	0.0200760682326252	0.0076547624084724
HNSC	HDAC1	cg04967775	-0.0486568878480518	529	-1.10979486358092	0.267601371159244	0.00236749273505789	0.463357950900951
HNSC	HDAC1	cg06473843	-0.00169855738369038	530	-0.0387331236145424	0.969118029899242	2.88509718568911e-06	0.983788602069516
HNSC	HDAC1	cg10842753	-0.0587631283021822	530	-1.34232509494338	0.18007634321493	0.00345310524785873	0.357141084615991
HNSC	HDAC1	cg14172124	-0.127214062768413	530	-2.9246892265119	0.00359848096676446	0.0161834177660456	0.0190420746817256
HNSC	HDAC1	cg20002354	-0.158528434082221	530	-3.66130383293178	0.000276596698851231	0.0251312644125612	0.00228230415681296
HNSC	HDAC1	cg20793809	-0.0567906510895391	530	-1.29711950490002	0.195165279835713	0.00322517805117376	0.376801045678869
HNSC	HDAC1	cg21930229	-0.0541268243263936	530	-1.2360935265722	0.216981863839076	0.00292971311166028	0.404298989616946
HNSC	HDAC1	cg23018091	-0.177498376505507	530	-4.11289399766211	4.54118279670227e-05	0.0315056736620906	0.000488321440629711
HNSC	HDAC1	cg26115470	-0.0055504381033928	530	-0.126571412161192	0.899328549639669	3.08073631395946e-05	0.946832025424861
HNSC	HDAC10	cg00711351	-0.0150451329201124	530	-0.343120652368464	0.731646364455702	0.000226356024583849	0.848352967216164
HNSC	HDAC10	cg01120165	0.0707767442483726	530	1.61801577885442	0.106265570339479	0.00500934752639954	0.24868611332018
HNSC	HDAC10	cg04321608	-0.0221761812554983	530	-0.505819129724955	0.613197977711661	0.000491783015076713	0.769728006552763
HNSC	HDAC10	cg04586023	0.0306890207773317	530	0.700147128763127	0.484148543333084	0.000941815996271496	0.670855703828686
HNSC	HDAC10	cg07482373	-0.16975942817581	530	-3.92812520578942	9.71609333410526e-05	0.028818263454578	0.000940467543652338
HNSC	HDAC10	cg07744063	-0.0519138323970516	530	-1.18541597142195	0.236394444958487	0.00269504599414916	0.427737126242132
HNSC	HDAC10	cg09151829	-0.0398763667500211	530	-0.910044898473389	0.363220457043705	0.00159012462518218	0.562201606518774
HNSC	HDAC10	cg10508940	-0.0143742357972822	530	-0.327816876503389	0.743182069811749	0.000206618654755868	0.855605325839317
HNSC	HDAC10	cg11645658	-0.111854428213787	530	-2.56678097401801	0.0105434376980072	0.0125114131110331	0.044408023404373
HNSC	HDAC10	cg12464820	-0.00850993283346685	530	-0.194063352779272	0.846202062533533	7.2418956830117e-05	0.917854509177698
HNSC	HDAC10	cg26943378	-0.00538625674818092	530	-0.122827333282594	0.902291285523742	2.90117617573245e-05	0.948346955604652
HNSC	HDAC11	cg01409735	-0.0835114582183636	530	-1.91102982437242	0.0565502782727868	0.00697416365375749	0.157696969134788
HNSC	HDAC11	cg01712016	-0.10010084007702	530	-2.29417330859976	0.022178275222323	0.0100201781841251	0.0787034368508985
HNSC	HDAC11	cg02762546	-0.191202995657783	530	-4.44205271995247	1.08926668484886e-05	0.0365585855485101	0.000141301338137623
HNSC	HDAC11	cg02941903	-0.101298084553183	530	-2.3218952847356	0.0206239629730471	0.0102613019341439	0.0745617889917848
HNSC	HDAC11	cg05987698	-0.0688752326513572	530	-1.57433555708289	0.116018078864567	0.00474379767277858	0.264524567809694
HNSC	HDAC11	cg07450135	-0.0907734320405157	530	-2.0785338105237	0.0381499891600158	0.00823981596441412	0.118240647677859
HNSC	HDAC11	cg08051076	-0.0750962940363044	530	-1.71730816554758	0.0865182871003327	0.00563945337798709	0.214801928470137
HNSC	HDAC11	cg08448040	-0.113105185343218	530	-2.59585259051134	0.0097023958484547	0.0127927829515237	0.0416136389146921
HNSC	HDAC11	cg10455785	-0.086094625644314	530	-1.97057634798595	0.0493023705750546	0.00741228456483456	0.142841183438821
HNSC	HDAC11	cg11432034	-0.0646681799218665	530	-1.47775459323705	0.140078881304016	0.0041819734944069	0.301454991622579
HNSC	HDAC11	cg13397067	-0.0973253031180898	530	-2.22994476359411	0.0261772108935519	0.00947221462702806	0.0892075496869186
HNSC	HDAC11	cg13706066	-0.0697552971428046	530	-1.59454962300211	0.111420566886218	0.00486580147948096	0.257202443219197
HNSC	HDAC11	cg16254764	-0.0683372312654971	530	-1.56198010795588	0.11890102890136	0.00466997717703404	0.26907687463208
HNSC	HDAC11	cg18521047	-0.0978562220223803	530	-2.24222661713111	0.0253674414711626	0.00957584018849339	0.0871470342111024
HNSC	HDAC11	cg19779799	-0.0546280768092379	530	-1.24757472779801	0.212748375243139	0.002984226775876	0.399033447901935
HNSC	HDAC11	cg20894727	-0.093187168529187	530	-2.13428148412515	0.033286819491265	0.00868384837848711	0.106674143584077
HNSC	HDAC11	cg20922324	-0.0825929457491965	530	-1.88986592082765	0.0593318161690933	0.00682159468752971	0.163328354814524
HNSC	HDAC11	cg21655280	-0.0881403324288243	530	-2.01776181302927	0.0441291899770539	0.00776871820066365	0.131688450077676
HNSC	HDAC11	cg25127083	-0.0634603076362947	530	-1.45004041943517	0.147650114947431	0.00402721064529316	0.312416173699083
HNSC	HDAC11	cg25150878	-0.0728513629234369	530	-1.66569273734212	0.0963768980835911	0.00530732107980232	0.231985655791172
HNSC	HDAC11	cg27025856	-0.0984570248552251	530	-2.25612744150124	0.0244772393412007	0.00969378574334242	0.0848528299678875
HNSC	HDAC2	cg00161229	-0.0609393862285508	530	-1.39221929533711	0.164451091374649	0.00371360879391248	0.336056257523591
HNSC	HDAC2	cg01129566	-0.0350607127366815	530	-0.799999113061612	0.424076619651361	0.0012292535776041	0.619094969817726
HNSC	HDAC2	cg08198132	-0.0584603437110306	530	-1.33538481129113	0.182334675144787	0.00341761178681184	0.360041214260313
HNSC	HDAC2	cg10999867	-0.056269268672537	530	-1.28517293655116	0.199303970718285	0.00316623059694215	0.38206680707864
HNSC	HDAC2	cg13393754	-0.12142518878185	530	-2.78956144446433	0.00547157021788144	0.014744076470708	0.0266517646690795
HNSC	HDAC2	cg15005908	-0.109659258398031	530	-2.51578794834809	0.0121768145859585	0.0120251529524061	0.0497418144244934
HNSC	HDAC2	cg15242771	-0.0486819459417118	530	-1.11143696434628	0.266893919922946	0.00236993186067175	0.462607406231578
HNSC	HDAC2	cg18387216	-0.0644474669230827	530	-1.47268993340428	0.14143966151858	0.00415347599280184	0.303485134272298
HNSC	HDAC2	cg18674783	0.0554846140537251	530	1.26719593003538	0.205652451785062	0.00307854239669083	0.389941669936802
HNSC	HDAC2	cg22867643	-0.232515533950903	530	-5.45158322648416	7.7248701601811e-08	0.0540634735284733	1.72389142065728e-06
HNSC	HDAC2	cg24023618	-0.0167472188889891	530	-0.381948914555902	0.702655293946505	0.000280469340515713	0.82986482165016
HNSC	HDAC3	cg01947930	0.0992660330741385	530	2.27484946963098	0.0233212690037799	0.00985374532227595	0.081774758896604
HNSC	HDAC3	cg01961137	-0.0402664547151568	530	-0.918961741151575	0.358541648428281	0.00162138737532778	0.557505808355743

HNSC	HDAC3	cg04284814	-0.1360003285545	530	-3.13036956305481	0.00184397367572156	0.018496089366932	0.0111253364455625
HNSC	HDAC3	cg08520975	0.0202733529541144	530	0.462398611177277	0.64398891039401	0.000411008840002101	0.791055427041196
HNSC	HDAC3	cg10414058	0.214770555499891	530	5.01453879685902	7.30470198681076e-07	0.0461263915097318	1.29267967780245e-05
HNSC	HDAC3	cg11064797	0.0847278192259134	530	1.93906416252626	0.053034139035824	0.00717880335077905	0.150601854796601
HNSC	HDAC3	cg11153694	0.193943364086357	530	4.50818733320021	8.08551077873981e-06	0.0376140284731333	0.000108561309202845
HNSC	HDAC3	cg12082871	0.0860296819100636	530	1.96907879597004	0.0494745764063972	0.00740110616954672	0.143196115669293
HNSC	HDAC3	cg14098966	0.0385020949832792	530	0.878634340574513	0.380005378491152	0.00148241131810146	0.578432830949271
HNSC	HDAC3	cg17940889	0.0772826745313633	530	1.76760263327518	0.0777137688273186	0.00597261178272063	0.19878555000008
HNSC	HDAC3	cg18671773	-0.00949488363165913	530	-0.216526420073029	0.828662350827898	9.01528151787484e-05	0.907891259506928
HNSC	HDAC3	cg19549288	0.0498464727460543	530	1.13808923298145	0.25560730670947	0.00248467084522314	0.449890604270607
HNSC	HDAC3	cg20642138	-0.0496318848033906	530	-1.13317765951043	0.257661843979234	0.00246332398913703	0.452176802781937
HNSC	HDAC3	cg23421926	-0.0201066044448553	530	-0.458593833910606	0.646717471013181	0.000404275542301876	0.792869463548388
HNSC	HDAC3	cg24385322	0.197052112832544	530	4.5833451068082	5.73671682867475e-06	0.0388295351717696	8.03677559823381e-05
HNSC	HDAC6	cg07153944	-0.118886478629867	530	-2.73039317507882	0.00654051862990842	0.0141339948010099	0.0306939196655061
HNSC	HDAC6	cg07674520	-0.223049745068871	520	-5.16735325029058	3.41305857113155e-07	0.0497511887752884	6.53335330911929e-06
HNSC	HDAC6	cg10783042	-0.0849093501684589	530	-1.94324878104588	0.0525253467831484	0.00720959774602997	0.149566501744079
HNSC	HDAC6	cg12510923	-0.141787265995343	525	-3.25050447422392	0.00122734274923172	0.0201036287984341	0.00796462310925363
HNSC	HDAC6	cg13178935	-0.079539329611126	530	-1.81954057749216	0.0694038735032996	0.00632650495498734	0.183222646101388
HNSC	HDAC6	cg17152375	-0.116530737148925	530	-2.67553786536863	0.00769613933650363	0.0135794127004719	0.0349026995221185
HNSC	HDAC6	cg24616736	-0.0612815019457888	530	-1.40006464056693	0.162090302409423	0.00375542248073171	0.332667083061258
HNSC	HDAC6	cg26680189	-0.0788035651212377	530	-1.80260356956718	0.0720293743790689	0.00621000187581714	0.188218506279443
HNSC	HDAC9	cg00332048	0.0149048686157124	530	0.339921057896319	0.734053235855696	0.00022215510845165	0.850041492581878
HNSC	HDAC9	cg02301805	0.0339635541277073	530	0.774935277112026	0.438730139104618	0.0011535230089857	0.631451267164432
HNSC	HDAC9	cg03260621	-0.0107974228691479	530	-0.246233478098331	0.805598667082792	0.000116584340615199	0.894414687051888
HNSC	HDAC9	cg07513622	-0.0382662693806002	530	-0.873244782768821	0.382932739744049	0.00146430737230866	0.581175027423008
HNSC	HDAC9	cg08146609	0.0494763000776661	530	1.12961667335975	0.25915858924932	0.00244790426937526	0.453937983232434
HNSC	HDAC9	cg08285151	0.0523006498972496	530	1.19427281492955	0.232915749778923	0.00273535797967468	0.423629003169012
HNSC	HDAC9	cg08725366	-0.00973225933294462	530	-0.221940169430481	0.824447594039885	9.47168717236877e-05	0.905647864707759
HNSC	HDAC9	cg10068437	0.0587261249910721	530	1.34147690283494	0.18035121720428	0.00344875775646702	0.357503951871315
HNSC	HDAC9	cg11321459	0.0271096031042398	525	0.617826432947754	0.536960753475649	0.000734930580469407	0.712959973645411
HNSC	HDAC9	cg11765288	0.0131188548666648	530	0.299181664829511	0.764920972986872	0.000172104353012616	0.869555070982432
HNSC	HDAC9	cg12081743	-0.00334620153813868	530	-0.07630556242465	0.939205349003497	1.11970647338416e-05	0.967511598829127
HNSC	HDAC9	cg16475478	0.00796501461649019	530	0.18163604024453	0.855939142258261	6.34414578409023e-05	0.923330878485206
HNSC	HDAC9	cg18856632	0.0241936258772221	530	0.551861087874599	0.581280612433953	0.000585331533086989	0.746811185181387
HNSC	HDAC9	cg19585556	0.0375902895845042	530	0.857796748588499	0.3913998885003	0.00141302987104688	0.588498434287264
HNSC	HDAC9	cg20648975	-0.0523154648114704	530	-1.19461203823925	0.232783241251472	0.00273690785844019	0.423536250670463
HNSC	HDAC9	cg21433125	0.0028235814832148	530	0.0643878210286114	0.948686171436476	7.97261239235352e-06	0.972756883848861
HNSC	HDAC9	cg23074799	-0.0626492913156754	530	-1.4314355538337	0.152906153550803	0.00392493370235636	0.319969370274671
HNSC	HDAC9	cg23385718	0.047846922601951	530	1.09232877220566	0.275194429925196	0.00228932800247708	0.471697780848736
HNSC	HDAC9	cg24350771	-0.00675306782471561	530	-0.15399715103267	0.877671728435128	4.56039250452093e-05	0.935091751809611
HNSC	HDAC9	cg25620356	0.0124990200134489	530	0.285043775566178	0.775724094969972	0.000156225501296595	0.875820795090112
HNSC	HDFG	cg00692559	0.0358470581104474	530	0.817964410202267	0.413752154433799	0.00128501157517379	0.609345078886526
HNSC	HDFG	cg00746981	-0.112561836844983	530	-2.58322189766271	0.0100601429892507	0.0126701671139167	0.0428339315694691
HNSC	HDFG	cg01910231	-0.0381898713292334	530	-0.871498813250845	0.383884034348483	0.0014584662721434	0.582062380729839
HNSC	HDFG	cg02914429	-0.0662778801552341	530	-1.514698717171	0.130456300816873	0.00439275739787157	0.286881429945381
HNSC	HDFG	cg04402095	-0.0985838409632725	530	-2.2590619140635	0.0242928265978065	0.00971877369907181	0.084367685372757
HNSC	HDFG	cg05762852	-0.0394583529716678	530	-0.900490174859765	0.368276293823317	0.00155696161923672	0.567142759843125
HNSC	HDFG	cg05967123	-0.10688868423922	530	-2.45148157285913	0.0145548968425745	0.0114251908183916	0.0570218887531471
HNSC	HDFG	cg06106793	-0.0520579579711057	530	-1.18871590842615	0.235094049409335	0.00271003098812141	0.426245285844963
HNSC	HDFG	cg06119628	-0.0679794297280419	530	-1.55376378989275	0.120849152016816	0.00462120286614979	0.271982263842973
HNSC	HDFG	cg07313589	-0.0643077767926392	530	-1.46948460234272	0.142306124151918	0.00413549015601191	0.304713952885259
HNSC	HDFG	cg07892339	-0.122928138391102	530	-2.82461593767919	0.00491550223223908	0.0151113272083018	0.0244452202681587
HNSC	HDFG	cg08597205	-0.0412324447375628	530	-0.94104468627575	0.347118908373828	0.00170011449903617	0.546391654688875
HNSC	HDFG	cg08708935	-0.0347066771901961	530	-0.791911101718106	0.428773607931009	0.00120455344158448	0.622929651621658
HNSC	HDFG	cg09063372	-0.0805289915649094	530	-1.84232693000686	0.0659964793422845	0.00648491848246124	0.176500742972729
HNSC	HDFG	cg09477492	-0.116423173395577	530	-2.6730342583917	0.0077530141011788	0.0135543553034965	0.0350845197479555
HNSC	HDFG	cg11588596	-0.0720115710846593	530	-1.64639083883341	0.10028751183522	0.00518566637008094	0.238717541634817

HNSC	HDGF	cg12220178	-0.0239868472338622	530	-0.547141701624163	0.58451611303851	0.000575368840220641	0.749115835288589
HNSC	HDGF	cg12421458	-0.0550383559922311	530	-1.25697288686801	0.209327750168458	0.00302922063032756	0.394745668899499
HNSC	HDGF	cg13170934	0.0509913300823747	530	1.1642958662657	0.244838022874463	0.00260011574356969	0.43780750473056
HNSC	HDGF	cg13235992	-0.0791326672022888	530	-1.81017900136324	0.070845149080348	0.00626197901854819	0.185967321081003
HNSC	HDGF	cg14155849	-0.0765365133702208	530	-1.75043544706776	0.0806329335947494	0.00585783787886998	0.204139988264837
HNSC	HDGF	cg15503799	-0.0664017881520856	530	-1.51754301004914	0.129737334675353	0.00440919746979445	0.285679929059255
HNSC	HDGF	cg17170583	0.0426110345428779	530	0.972564432379624	0.331222006739457	0.00181570026481433	0.530886136373823
HNSC	HDGF	cg17218029	-0.0298251053989469	530	-0.680419741105039	0.496541556371138	0.000889536912058291	0.68123747139695
HNSC	HDGF	cg17971171	-0.0308712155115706	530	-0.704307719264	0.481556450090905	0.000953031947161834	0.668752945095717
HNSC	HDGF	cg18593717	-0.0556689148491006	530	-1.271418182085	0.204148305630228	0.00309902808047641	0.388187164846449
HNSC	HDGF	cg19599803	-0.0671309578628738	530	-1.53428244433502	0.125568357593006	0.00450656550358694	0.279314465747586
HNSC	HDGF	cg20284773	-0.0405827558504332	530	-0.92619223317627	0.354775734132069	0.00164696007241587	0.553692514014226
HNSC	HDGF	cg23747104	-0.0641817052200026	530	-1.46659183731073	0.143091597972064	0.00411929128494731	0.30583328124166
HNSC	HDGF	cg26431298	-0.045596092563738	530	-1.0408333955812	0.298436559545219	0.00207900365708096	0.496635040078969
HNSC	HDGFL1	cg02685945	-0.0160221433375211	530	-0.36540798660107	0.714955465229131	0.00025670907712807	0.837878993417318
HNSC	HDGFL1	cg03930485	-0.0186945655090918	530	-0.426376196460233	0.670010190500303	0.000349486779573725	0.808807224253314
HNSC	HDGFL1	cg05276066	0.00978784666206025	530	0.223207936707417	0.82346132976994	9.58019422800039e-05	0.905011735535188
HNSC	HDGFL1	cg06566039	-0.00486416043122733	530	-0.110921235957628	0.911721603801103	2.36600567007177e-05	0.95312061339922
HNSC	HDGFL1	cg08671671	-0.0151857399960082	530	-0.346328086198734	0.729236251105771	0.000230606699226363	0.846833230113334
HNSC	HDGFL1	cg09081892	-0.00204658638712044	530	-0.0466694478167063	0.962794598375092	4.18851583994671e-06	0.980449205554033
HNSC	HDGFL1	cg11894257	-0.0648507350891327	530	-1.48194381698478	0.138960966317329	0.00420561784160087	0.299669840809831
HNSC	HDGFL1	cg15317945	-0.0143924380263724	530	-0.328232080028752	0.742868319093406	0.000207142272342971	0.855481459341793
HNSC	HDGFL1	cg20209681	-0.0314033175717144	530	-0.716459181062936	0.474029504319672	0.000986168354509944	0.661963295380278
HNSC	HDGFL1	cg21898884	0.0859896755820977	530	1.96815629374153	0.0495809080304777	0.00739422430671441	0.143381181343555
HNSC	HIST1H1	cg00667898	-0.106058862781308	529	-2.42989251617527	0.0154413782110375	0.0112484823744644	0.0597183144060041
HNSC	HIST1H1	cg00700007	-0.131034500840815	530	-3.01403393110526	0.00270376163780207	0.0171700404106015	0.0151582900584588
HNSC	HIST1H1	cg03821311	-0.0410506359888543	530	-0.936888260464598	0.349250951132009	0.00168515471508942	0.548273437832316
HNSC	HIST1H1	cg04676561	-0.122526971174621	530	-2.81525727462611	0.00505870990328917	0.0150128586652263	0.0250198536598943
HNSC	HIST1H1	cg07138603	-0.112507351765832	530	-2.58195546581776	0.0100966549004736	0.0126579042013608	0.0429532198897585
HNSC	HIST1H1	cg11206041	-0.108779202472623	530	-2.49535506509003	0.0128920210161535	0.0118329148905799	0.0520106769138955
HNSC	HIST1H1	cg14334286	-0.101538168988218	529	-2.32521660355581	0.020445030922956	0.01030999976148	0.0740525531064548
HNSC	HIST1H1	cg18798248	-0.124323213718616	530	-2.85717204682411	0.00444551389531013	0.0154562614693246	0.0225799365351108
HNSC	HIST1H1	cg23460835	-0.119677756265083	530	-2.74882914666453	0.00618881036780975	0.0143227653446447	0.0293926931473377
HNSC	HIST1H1	cg00903962	-0.0397294929653728	530	-0.906687685915087	0.364991924699288	0.0015784326112856	0.563956410218125
HNSC	HIST1H1	cg04290376	-0.0283432922228476	530	-0.646586272382668	0.518185023192107	0.000803342214029733	0.699018288754908
HNSC	HIST1H1	cg07750111	0.0563630530687536	530	1.28732176426331	0.198554839259776	0.00317679375123113	0.381184915980826
HNSC	HIST1H1	cg08283682	0.00902202523191888	530	0.205742202644353	0.837072811109407	8.13969392853809e-05	0.912814060576196
HNSC	HIST1H1	cg10717387	0.0126390929413965	530	0.288238686851254	0.773278888759842	0.000159746670381259	0.874232343362702
HNSC	HIST1H1	cg12633985	0.0312925953878145	530	0.713930600480083	0.47559041295329	0.000979226526105469	0.663369024174569
HNSC	HIST1H1	cg15022984	-0.0250358347888521	530	-0.571083875210225	0.568189509742501	0.000626793023574695	0.736762688045945
HNSC	HIST1H1	cg16481032	-0.00314801083461693	530	-0.0717860475312704	0.942799777640937	9.90997221486556e-06	0.969564024258568
HNSC	HIST1H1	cg16482183	-0.0103999260476394	530	-0.23716762823709	0.812620154888996	0.000108158461796368	0.899047027260703
HNSC	HIST1H1	cg17691542	-0.00214867310876463	530	-0.0489973986093265	0.960940182360698	4.61679612832825e-06	0.97951496193618
HNSC	HIST1H1	cg20855557	-0.00440210644183907	530	-0.100384444329864	0.920077809483341	1.9378541125281e-05	0.9579813307852
HNSC	HIST1H1	cg23407813	-0.0514168506985084	530	-1.17403751620049	0.240917407630421	0.0026436925357527	0.433096557475476
HNSC	HIST1H3	cg00958605	-0.0719062537227861	530	-1.64397045842688	0.100786714762524	0.00517050932444569	0.239590578708504
HNSC	HIST1H3	cg01043409	-0.0293744333820579	530	-0.670129316760114	0.503072837217443	0.00086285733651696	0.686561203769867
HNSC	HIST1H3	cg08041469	-0.0351951493883583	530	-0.803070423508503	0.422300938704718	0.00123869854046886	0.61740714713281
HNSC	HIST1H3	cg08401836	-0.00423169526991805	530	-0.0964983630791526	0.923161952676796	1.79072448574468e-05	0.959627247295677
HNSC	HIST1H3	cg10075390	0.0113809294134808	530	0.259541929841263	0.795319855529913	0.000129525554314632	0.887957645757543
HNSC	HIST1H3	cg15479139	0.0132237977371184	530	0.301575353343803	0.763096362215534	0.000174868826592218	0.868242118997196
HNSC	HIST1H3	cg15797414	-0.0320651006681382	530	-0.731572983370178	0.464758790797562	0.00102817068085784	0.653991325057572
HNSC	HIST1H3	cg21209604	0.00403997301596819	530	0.0921263108348336	0.926633164232558	1.63213819697512e-05	0.961321948533324
HNSC	HIST1H3	cg23099349	-0.0265250848271398	530	-0.605077895216361	0.545391196803647	0.000703580125086963	0.719268495061489
HNSC	HIST1H3	cg25701114	0.0801916519723178	530	1.83455928257901	0.0671421540016794	0.00643070104604933	0.178835783490487
HNSC	HLTF	cg00906762	-0.289606119013542	530	-6.89971666603973	1.52020526466878e-11	0.0838717041700856	6.95663813880254e-10
HNSC	HLTF	cg02059813	-0.228266197938774	530	-5.3464223727412	1.34551913399795e-07	0.0521054571214234	2.84438357364773e-06

HNSC	HLTF	cg02398045	-0.262902849709852	530	-6.21369064625883	1.06166352740501e-09	0.0691179083855611	3.49665759741512e-08
HNSC	HLTF	cg02611507	-0.613519751189921	530	-17.7165610623764	2.685015752827e-55	0.376406485100143	1.95213192033106e-52
HNSC	HLTF	cg02710346	-0.319518987297276	530	-7.68922403985184	7.45470048767838e-14	0.102092383243477	5.01838634571518e-12
HNSC	HLTF	cg03678609	-0.381391386490836	530	-9.40819259123092	1.61474743325655e-19	0.145459389689403	2.07289870994654e-17
HNSC	HLTF	cg04120413	-0.647658145966507	530	-19.3834836171719	2.12514966335124e-63	0.419461074036773	2.06654866138433e-60
HNSC	HLTF	cg04731810	-0.603487313007022	530	-17.2587170352524	4.22183266853068e-53	0.364196936960435	2.83132112599721e-50
HNSC	HLTF	cg04836786	-0.302648798112172	530	-7.24104384144779	1.61216947640477e-12	0.0915962949987425	8.86966847577318e-11
HNSC	HLTF	cg05555455	-0.422454360568608	530	-10.628430670913	5.20726458594152e-24	0.178467686763431	9.50924744597969e-22
HNSC	HLTF	cg07275648	-0.61143042481594	530	-17.6201070017311	7.81432488023654e-55	0.3738471643906	5.52643263393747e-52
HNSC	HLTF	cg09352720	-0.611441538411595	530	-17.6206184983955	7.77021067289809e-55	0.373860754895138	5.52643263393747e-52
HNSC	HLTF	cg09392355	-0.245237006053814	530	-5.76841328922934	1.37490542941691e-08	0.0601411891382386	3.64800112469505e-07
HNSC	HLTF	cg15438497	-0.339870961539761	530	-8.24080857085235	1.40001785004842e-15	0.115512270497962	1.17236801535701e-13
HNSC	HLTF	cg16724124	0.117835483821144	530	2.70591420765693	0.00703535034040734	0.013885201247363	0.0325275195757547
HNSC	HLTF	cg20117402	-0.384071499485952	530	-9.48569900359437	8.58479624244559e-20	0.147510916717387	1.12621524263886e-17
HNSC	HLTF	cg21089667	-0.229922531474306	530	-5.38737388988353	1.08519227427699e-07	0.0528643704795531	2.34113831905447e-06
HNSC	HLTF	cg21111416	-0.61019943166249	530	-17.563554072818	1.46090524610864e-54	0.372343346401226	1.02387083527726e-51
HNSC	HLTF	cg21835021	-0.330750244677154	530	-7.99207329370342	8.62467266965924e-15	0.109395724353997	6.48258730109633e-13
HNSC	HLTF	cg21926402	-0.298431122357166	530	-7.13019107496336	3.37253036066103e-12	0.0890611347913579	1.75141940505517e-10
HNSC	HLTF	cg24041269	-0.252172267859853	530	-5.94245870296027	5.14765702723236e-09	0.0635908526775812	1.48924072434553e-07
HNSC	HLTF	cg24710191	0.208905179945003	527	4.85717879820498	1.58046724701814e-06	0.0436413742078542	2.56307836177881e-05
HNSC	HLTF	cg25951608	-0.56451346044796	530	-15.5954874554242	2.89964403777164e-45	0.31867544702693	1.38389514278777e-42
HNSC	HLTF	cg26151310	-0.217313928886249	530	-5.07684772314606	5.35401452379281e-07	0.0472253436879775	9.82775323928012e-06
HNSC	HLTF	cg27554556	-0.502041914568978	530	-13.2374468316431	1.11689711072973e-34	0.252046083984085	3.76138068537265e-32
HNSC	IDH1	cg00707300	0.0739044996054778	530	1.68990322416114	0.0916458274291933	0.00546187506193607	0.223734767319113
HNSC	IDH1	cg01046174	0.0287048506747156	530	0.654841146228217	0.512859584727443	0.000823968452257718	0.694640966193445
HNSC	IDH1	cg02241586	0.0710162504360917	530	1.62351879795111	0.105084559833216	0.00504330782600169	0.24678683062482
HNSC	IDH1	cg03448938	-0.0667381517220168	530	-1.52526455049472	0.127801075623615	0.00445398089527093	0.28272027847583
HNSC	IDH1	cg05268564	0.0245405818771242	530	0.559779953848968	0.575870581771494	0.000602240158867837	0.742570463091855
HNSC	IDH1	cg07129696	0.0742220456391357	530	1.6972043797677	0.0902563988485574	0.00550891205885794	0.221237240193612
HNSC	IDH1	cg07915542	-0.0819599877535371	530	-1.87528444576937	0.0613137493536733	0.00671743959255995	0.167240301765591
HNSC	IDH1	cg09406631	0.000453587100315822	530	0.0103433783624714	0.991751292209905	2.05741257572915e-07	0.995654867480253
HNSC	IDH1	cg09615745	-0.0884179233055292	530	-2.02416658347781	0.0434637491891126	0.00781772916166245	0.130172046368347
HNSC	IDH1	cg10356455	0.0633305384050308	530	1.44706329620859	0.148481744710279	0.00401075709467108	0.313553268220947
HNSC	IDH1	cg14772913	0.190776668667788	530	4.43177370586478	1.14052629305652e-05	0.0363957373079789	0.000146921845408245
HNSC	IDH1	cg15399923	-0.0329264899484778	530	-0.751246837450741	0.452843961637642	0.00108415374032721	0.643267472868415
HNSC	IDH1	cg16085695	-0.0556544064009924	530	-1.27108579504982	0.204266424165291	0.00309741295184682	0.388326341035522
HNSC	IDH1	cg16863783	0.0190520950108659	530	0.43453348170531	0.664081343690769	0.000362982324303061	0.804885005080309
HNSC	IDH1	cg24324379	-0.0903667057373625	530	-2.06914372140658	0.0390260819281173	0.00816614150582307	0.120299362741846
HNSC	IDH1	cg24830471	0.00725474659701923	530	0.165438029375408	0.868663519673343	5.26313481869621e-05	0.930335914884535
HNSC	IDH1	cg24987806	0.0448707203134414	530	1.02424146610833	0.306197472275181	0.00201338154144709	0.504657235189412
HNSC	IDH1	cg25795625	0.0663398004206197	530	1.51612008046595	0.13009662912023	0.00440096911984766	0.28630900918779
HNSC	IDH1	cg26105702	-0.0898547615599255	530	-2.05732595073449	0.0401529819426736	0.00807387817499107	0.122814385360083
HNSC	ING2	cg02075087	-0.0421551057726327	530	-0.962139579506207	0.336426679478627	0.00177705294270185	0.535981509386858
HNSC	ING2	cg02552216	-0.107008228452884	530	-2.45425504843448	0.0144444181289045	0.0114507609566246	0.0567149396726365
HNSC	ING2	cg10348863	-0.0438109147117151	530	-1.00000272780403	0.317774293564761	0.00191939624787718	0.517055351144654
HNSC	ING2	cg17985608	-0.061814168221479	530	-1.41228064902737	0.158465507282165	0.0038209913929133	0.327618620097085
HNSC	ING3	cg01382559	-0.122045703245308	530	-2.80403182343675	0.00523546721331345	0.0148951536806419	0.0257191169735101
HNSC	ING3	cg01416111	-0.210511904741707	530	-4.91044676785366	1.21863048668575e-06	0.0443152620379815	2.03787919349165e-05
HNSC	ING3	cg10268125	-0.0400328759023926	530	-0.913622419431565	0.361338690953727	0.00160263115301637	0.560205311571889
HNSC	ING3	cg14303833	-0.100370154626322	530	-2.30040835557675	0.0218200523871196	0.0100741679397117	0.0778048840538839
HNSC	ING3	cg16130600	0.0281032147495953	530	0.641105115905391	0.521736838262907	0.000789790679261873	0.701656045289641
HNSC	ING3	cg18485114	0.023622099087664	530	0.538817089285812	0.590243660191175	0.000558003565307417	0.753250796451915
HNSC	ING3	cg19478983	-0.00556963027035125	530	-0.127009081198601	0.898982307742123	3.10207813484129e-05	0.946646854210251
HNSC	ING3	cg19960827	-0.11107946100755	530	-2.54877445261486	0.0110964234112334	0.0123386466577277	0.0462463925240271
HNSC	ING3	cg20553930	-0.10008341475972	530	-2.29376990320203	0.0222016277871865	0.0100166899099662	0.0787467939669167
HNSC	ING3	cg24859794	0.0342515455460386	530	0.781513968331199	0.434855934349963	0.00117316837229236	0.628228964786035
HNSC	ING4	cg00369908	0.0321309631880002	530	0.7330772039646	0.463841677740823	0.00103239879538863	0.653058592647946

HNSC	ING4	cg00443163	-0.155879949235136	530	-3.59859899399496	0.000350527697672352	0.0242985585735487	0.00278283005538554
HNSC	ING4	cg00591160	-0.113915133040891	529	-2.61216970791221	0.00925759420223437	0.0129766575357238	0.0401732182388922
HNSC	ING4	cg03930474	-0.0792121621625817	530	-1.81200894424415	0.0705614981422438	0.00627456663447114	0.185454278403923
HNSC	ING4	cg04375284	-0.148400321308828	530	-3.42193783762612	0.000670729451667334	0.0220226553645633	0.00480555599217246
HNSC	ING4	cg08733494	-0.202111995969683	530	-4.70598273432324	3.24342350607667e-06	0.040849258914849	4.84762513413503e-05
HNSC	ING4	cg12392916	-0.158780685114655	530	-3.66728026720336	0.000270373575132324	0.0252113059654791	0.00223807638900234
HNSC	ING4	cg18123790	-0.0553004067374834	530	-1.26297594938025	0.20716384224056	0.0030581349853311	0.392036647946582
HNSC	ING4	cg23354319	-0.149794638805351	530	-3.45482364026194	0.00059563717849928	0.0224384338148256	0.00434885017965021
HNSC	ING4	cg27116036	-0.12238102346619	530	-2.81185286908545	0.00511173584603764	0.0149771149046322	0.025222781834749
HNSC	INO80	cg00734724	-0.0315691878167643	530	-0.720247236349587	0.471696407026668	0.000996613619410141	0.659817397861688
HNSC	INO80	cg06380007	0.0988329474036425	530	2.26482645832317	0.023934076177698	0.00976795149249117	0.0834238017248979
HNSC	INO80	cg12580230	-0.18078856385315	530	-4.19168418737177	3.25405233221379e-05	0.0326845048200843	0.000365764697489148
HNSC	INO80	cg18952654	0.157038864417658	530	3.62602729069222	0.00031615915312839	0.0246612049375876	0.0025534972132963
HNSC	INO80	cg21007089	-0.098282390902155	530	-2.25208666530904	0.0247331665520209	0.00965942836144401	0.0854961990112381
HNSC	INO80	cg21598047	0.0900046167045745	530	2.0607850512837	0.0398203044040471	0.00810083102813737	0.122094464796171
HNSC	INO80	cg22835709	-0.0765983941307064	530	-1.75185904608399	0.0803875122540728	0.00586731398340304	0.203695844705167
HNSC	INO80	cg26409855	0.103640271598759	530	2.37615778751315	0.0178551952197862	0.0107413058970646	0.0667288171083803
HNSC	INO80	cg27441689	-0.0527912894887125	530	-1.20550761749893	0.228555669139579	0.00278692024588104	0.41848358890998
HNSC	INTS12	cg00093890	-0.0463220276097028	530	-1.05743984999084	0.290801879000596	0.00214573024187407	0.488380744360493
HNSC	INTS12	cg01852585	-0.0679113132254916	530	-1.55219967588635	0.121222832411829	0.00461194646401083	0.272586687034509
HNSC	INTS12	cg03607115	-0.0867782234365422	530	-1.98634112056421	0.0475199612356656	0.00753046060280243	0.139075575199103
HNSC	INTS12	cg19703969	0.0285090083384642	530	0.650369766176212	0.515740636336089	0.00081276355644262	0.696977800106483
HNSC	INTS12	cg26533745	-0.107472771331431	530	-2.46503366012807	0.0140220727575388	0.0115503965776581	0.0554172489382226
HNSC	IWS1	cg02372421	-0.101051459281563	530	-2.31618389243379	0.0209361632255946	0.0102113974229334	0.0754275868092394
HNSC	IWS1	cg02592214	-0.0717829861910692	530	-1.64113762137349	0.101373506841532	0.00515279710650723	0.24061052572706
HNSC	IWS1	cg10180764	-0.0936141926254477	530	-2.14414795803042	0.0324839848044878	0.00876361706091442	0.104730412135961
HNSC	IWS1	cg10488833	-0.284014234546671	530	-6.75467823139011	3.84302761433e-11	0.0806640854251313	1.63905970520388e-09
HNSC	IWS1	cg15239145	-0.226662413292741	530	-5.30681675689006	1.65438691966721e-07	0.0513758495996894	3.41882816627209e-06
HNSC	IWS1	cg17144508	-0.0143685650890313	530	-0.32768752438762	0.74327982415778	0.000206455662717728	0.855669329947472
HNSC	IWS1	cg18451256	-0.104689800380965	530	-2.40048560166048	0.0167237492338529	0.0109599543038063	0.0634297375992566
HNSC	IWS1	cg18530950	0.0047074619524063	530	0.107347838085722	0.914554438079318	2.21601980333529e-05	0.954888709345875
HNSC	IWS1	cg19311602	-0.11106330487083	530	-2.54839911169215	0.011108220164312	0.0123350576888308	0.0462806812051463
HNSC	IWS1	cg19409088	-0.00818249836054008	530	-0.186595917640903	0.852050241562425	6.6953279420241e-05	0.921166759204904
HNSC	IWS1	cg21581038	-0.0748560452151538	530	-1.71178312711292	0.0875329003997313	0.00560342750525314	0.216546920234583
HNSC	IWS1	cg21679674	-0.126354049549242	530	-2.90459536902114	0.00383373606704602	0.0159653458374922	0.0200728000807496
HNSC	IWS1	cg22409775	-0.121698932147327	530	-2.79594472140618	0.00536625539627842	0.0148106300857996	0.0262422977305811
HNSC	IWS1	cg23570261	-0.0666660586694455	530	-1.52360954313519	0.128214177306699	0.00444436337851794	0.283352566955408
HNSC	IWS1	cg23623107	-0.0148207307275008	530	-0.338001782920704	0.735498256632743	0.000219654059297085	0.850899858981718
HNSC	JADE1	cg09863040	-0.0536447994250115	522	-1.22505361767705	0.221109636780664	0.00287776450534971	0.409391733713704
HNSC	JADE1	cg12832492	-0.0206075104111512	522	-0.470023351750825	0.638535388065852	0.000424669485345704	0.787429807545414
HNSC	JADE1	cg14617908	0.103905456983437	522	2.38230395735804	0.0175631726889114	0.0107963439909368	0.0658875177779414
HNSC	JADE1	cg15389440	0.137584300304361	522	3.16752775850138	0.00162771833972896	0.0189294396902405	0.0100561245648725
HNSC	JADE1	cg15836763	-0.00970987040388252	522	-0.221429550918454	0.824844910244294	9.42815832601937e-05	0.905921158386471
HNSC	JADE1	cg20039387	0.0854027643189225	522	1.95462386110947	0.0511629368054389	0.00729363215331342	0.146724784297611
HNSC	JADE1	cg22922695	-0.0159353517369286	522	-0.363428075378087	0.716432830521895	0.000253935434979632	0.838801649749722
HNSC	JADE1	cg26766900	0.0402289126177711	522	0.918103565251308	0.358990286779728	0.00161836541040826	0.557967400329126
HNSC	JADE2	cg04590931	-0.0362420537876083	522	-0.826989279749222	0.408622457677493	0.00131348646274389	0.604606110515299
HNSC	JADE2	cg04842522	0.0825851328667613	522	1.889685921188	0.0593559529723917	0.00682030417062061	0.163371674410354
HNSC	JADE2	cg17378563	-0.00530724081217796	522	-0.121025415444213	0.903717654589168	2.81668050384474e-05	0.948961479666731
HNSC	JADE2	cg18145011	0.0385943279701843	522	0.880742273001424	0.378864208847269	0.00148952215147015	0.577412995150782
HNSC	JADE2	cg21194015	-0.0356141526801432	522	-0.812643162193263	0.41679456064986	0.00126836787112455	0.612330337875722
HNSC	JADE2	cg25669900	-0.0856923602617172	522	-1.96130082737645	0.050377136780014	0.00734318060722393	0.145074368055986
HNSC	JADE2	cg26133206	-0.114335242070262	522	-2.62445525431232	0.00893397357084228	0.0130725475792654	0.0391246081946692
HNSC	JADE3	cg10860619	-0.040537769461722	522	-0.925163848976462	0.355309822567759	0.00164331075293172	0.554160526326682
HNSC	JADE3	cg17843048	-0.0308721668711861	522	-0.70432944465212	0.481542934842537	0.000953090687322358	0.668752945095717
HNSC	JADE3	cg19194595	-0.0478278411726793	522	-1.09189215077216	0.275386139028893	0.00228750239123903	0.471828858046773
HNSC	JARID2	cg01769037	0.0272934723865717	530	0.622618877692211	0.533807935959475	0.000744933634916549	0.710811929924196

HNSC	JARID2	cg03223185	0.156069330342054	530	3.60308007320758	0.000344683047714247	0.0243576358734171	0.00274511394491013
HNSC	JARID2	cg05197191	-0.145008537181527	530	-3.34202728910921	0.000891532437630542	0.0210274758555262	0.00610306332170131
HNSC	JARID2	cg06047828	-0.0883544965895564	530	-2.02270311617886	0.0436150459776145	0.00780651706759394	0.130499572568559
HNSC	JARID2	cg14862454	-0.0398349620233403	530	-0.909098471269577	0.36371930205748	0.00158682419940097	0.562640274095439
HNSC	JARID2	cg15109221	0.119564330018878	530	2.74618610400085	0.0062381606992301	0.0142956290128631	0.0295819246227313
HNSC	JARID2	cg21397480	-0.0267854857612503	530	-0.611022284326826	0.541451819861901	0.000717462247466144	0.716414692998153
HNSC	JARID2	cg21901688	-0.0962633261353431	530	-2.20538359305243	0.0278639947389895	0.00926662795863942	0.093452265774326
HNSC	JARID2	cg25338254	-0.0897793020947711	530	-2.0555841761394	0.0403213894025968	0.00806032308462418	0.123151707689336
HNSC	JMJD6	cg02318866	-0.0317113121746401	530	-0.723493043233198	0.46970234644782	0.00100560731983748	0.658461866173422
HNSC	JMJD6	cg04510639	-0.088720002778177	530	-2.03113691202557	0.0427492282508116	0.00787123889289599	0.128551738018695
HNSC	JMJD6	cg07312083	-0.179132527065472	530	-4.15200904622679	3.85124390700878e-05	0.0320884622528621	0.000423288596357503
HNSC	JMJD6	cg08857478	-0.211148213748486	530	-4.92598097806388	1.12966775897546e-06	0.0445835681691762	1.9067340777118e-05
HNSC	JMJD6	cg10712116	-0.0115892887390536	530	-0.264294193778752	0.791657949107395	0.000134311613477154	0.885674161482695
HNSC	JMJD6	cg12504415	-0.0626212763211001	530	-1.43079293571949	0.153090216990561	0.00392142424808357	0.32021033987734
HNSC	JMJD6	cg15457598	-0.109504359493273	530	-2.51219111768315	0.0123000968674195	0.0119912047480321	0.0501348494029149
HNSC	JMJD6	cg21102709	-0.10332908758392	530	-2.36894616606219	0.0182032731676159	0.0106769003409255	0.0677044096768749
HNSC	JMJD6	cg21807925	-0.0773466720684732	530	-1.76907518530614	0.0774674433716933	0.00598250768006793	0.19841643201717
HNSC	JMJD6	cg23630158	-0.0521328402945907	530	-1.19043046316369	0.234420408889593	0.0027178330371813	0.425360979851118
HNSC	JMJD6	cg25004679	0.0070578037345114	530	0.160946696101355	0.872197891279638	4.9812593554883e-05	0.932247403297586
HNSC	JMJD6	cg25908504	-0.11916792984563	530	-2.73695009820488	0.00641341593413459	0.0142009955036929	0.0302213348996559
HNSC	JMJD6	cg26612088	-0.0781722070699766	530	-1.78807232081379	0.0743464692361175	0.0061108939581913	0.192616952334716
HNSC	JMJD8	cg00873473	-0.00990608919639096	530	-0.225904673564174	0.821364324987905	9.81306031668537e-05	0.904137654206887
HNSC	JMJD8	cg02851105	0.0122218118512765	530	0.278721007890283	0.780569743910638	0.000149372684928003	0.878804634834354
HNSC	JMJD8	cg03899598	-0.0283508755156946	530	-0.646759406708643	0.518073035963736	0.000803772142506413	0.698927819085788
HNSC	JMJD8	cg05787952	-0.111304974073315	530	-2.5540138075977	0.0109329148215247	0.0123887972534613	0.0457143335461269
HNSC	JMJD8	cg06191810	-0.0286975834641666	530	-0.654675223351998	0.512966343633694	0.00082355129668281	0.694711038125812
HNSC	JMJD8	cg06646636	-0.213639691533442	530	-4.98686872753334	8.37663394805771e-07	0.0456419177985042	1.46339964373501e-05
HNSC	JMJD8	cg08398290	-0.0153348942231275	530	-0.349730514347541	0.726682546234489	0.00023515898083451	0.845242995152147
HNSC	JMJD8	cg26750188	-0.0621743151189757	530	-1.42054083560874	0.156049604663438	0.00386564546051369	0.324357360867489
HNSC	JMJD8	cg27579097	-0.182008577347662	530	-4.22093668780342	2.87141108717648e-05	0.0331271222281197	0.000328102390049352
HNSC	KAT2B	cg00770008	-0.0966207515765442	530	-2.21364919711811	0.0272861354051151	0.00933556963521626	0.0919752856581969
HNSC	KAT2B	cg04371528	-0.0930806975552762	530	-2.13182163705522	0.0334896088724521	0.0086640162573768	0.10714305941041
HNSC	KAT2B	cg05072819	-0.121950241536486	530	-2.80180544242068	0.00527118205940506	0.0148718614108072	0.0258553806512836
HNSC	KAT2B	cg12062464	-0.0667609266602484	530	-1.5257873893609	0.127670787302928	0.00445702132853506	0.28257421756098
HNSC	KAT2B	cg14937543	-0.141475524339764	530	-3.25891731464208	0.00119151757060707	0.020015323987211	0.00777103604022519
HNSC	KAT2B	cg18053505	-0.138223719567846	530	-3.18253481554047	0.00154721417919505	0.0191057966511706	0.00964300431471715
HNSC	KAT5	cg00582417	-0.183470373204146	530	-4.25601301541046	2.46904778913773e-05	0.0336613778436687	0.000287755960611507
HNSC	KAT5	cg02561205	-0.028062383192231	530	-0.640172910590509	0.522342158861192	0.000787497350427607	0.702178778407596
HNSC	KAT5	cg05785768	-0.189638648493218	530	-4.40434804437694	1.28884067967029e-05	0.0359628170023341	0.000163323133790961
HNSC	KAT5	cg07564927	-0.113075219015251	530	-2.59515593114355	0.00972182742221657	0.0127860051553471	0.0416717087709469
HNSC	KAT5	cg14726348	-0.135653103304863	530	-3.1222732858218	0.00189476615050219	0.0184017644362398	0.0113841085814155
HNSC	KAT5	cg18896539	0.159512162830755	530	3.68461490584789	0.000253059680308451	0.0254441300909453	0.00211478405520632
HNSC	KAT5	cg20108992	0.0459996484162454	530	1.05006491375139	0.294176030006447	0.00211596765441818	0.491915582117804
HNSC	KAT5	cg20423942	-0.0102979260867095	530	-0.234841297541834	0.814424357572584	0.000106047281687333	0.900137522634679
HNSC	KAT5	cg22048492	0.154772190523041	530	3.57239566755706	0.000386608448763266	0.0239544309593006	0.00302026688723534
HNSC	KAT6A	cg10163397	-0.175814918088831	530	-4.07263544613531	5.37318454732317e-05	0.0309108854225824	0.000564561748614882
HNSC	KAT6A	cg12468056	0.288642243503413	530	6.87466192297906	1.78634647634433e-11	0.0833143447346838	8.06073304992638e-10
HNSC	KAT6A	cg15251374	-0.34597754374419	529	-8.40071696389403	4.27345277643771e-16	0.119700460775263	3.78643491218901e-14
HNSC	KAT6A	cg20966972	0.344146672919085	530	8.3583115172987	5.84628304020434e-16	0.118436932481276	5.09871909001857e-14
HNSC	KAT6B	cg04396765	-0.179955449224689	530	-4.17171993959204	3.54258157986461e-05	0.0323839637056597	0.000394378350635357
HNSC	KAT6B	cg06972998	-0.0756623171404831	530	-1.73032627511302	0.0841652890482202	0.00572478623506705	0.210539068658711
HNSC	KAT6B	cg09631472	-0.0416750359923721	530	-0.951163390923384	0.341963318723462	0.00173680862496551	0.541145126459988
HNSC	KAT6B	cg10359932	-0.0270489255636493	530	-0.617036170884525	0.537480938295602	0.000731644374147841	0.713377784088715
HNSC	KAT6B	cg10739686	-0.0612328589701378	530	-1.39894913715864	0.162424402020605	0.00374946301765678	0.333042802603873
HNSC	KAT6B	cg11128436	0.0345304704130039	530	0.787885734853968	0.431122541337804	0.00119235338694334	0.625112863763339
HNSC	KAT6B	cg11348552	0.190038818456173	530	4.41398981514039	1.23471083865773e-05	0.0361147525202182	0.00015759326494264
HNSC	KAT6B	cg15874302	-0.0881676385012975	530	-2.01839181675599	0.0440633538505805	0.00777353247889548	0.131537396371913

HNSC	KAT6B	cg15912797	0.13082192769177	530	3.00905914919952	0.00274764839047545	0.0171143767649907	0.0153523349054548
HNSC	KAT6B	cg17147776	-0.0195334544647058	530	-0.445516297741463	0.65613210132157	0.000381555843324737	0.799574963513874
HNSC	KAT6B	cg18462764	-0.221706012163589	530	-5.18470378140018	3.10332329698955e-07	0.0491535558294815	6.00397743262883e-06
HNSC	KAT6B	cg18491775	0.278353218212485	530	6.6086103237243	9.62449414500069e-11	0.0774805140892474	3.86739616485632e-09
HNSC	KAT6B	cg24671245	-0.113399561183825	530	-2.6026966432087	0.00951333618032588	0.0128594604766842	0.0409633702229678
HNSC	KAT6B	cg26605858	0.0786928132883283	530	1.80005436349924	0.0724315155896015	0.006192555886323171	0.188977339228543
HNSC	KDM1A	cg00062312	0.0131441858907188	530	0.299759450492784	0.764480430375887	0.000172769622729772	0.869308327374355
HNSC	KDM1A	cg00541565	0.0803734113676756	530	1.83874443095755	0.0665228500968397	0.0064598852548776	0.177569262984956
HNSC	KDM1A	cg04886391	-0.0121175648203152	530	-0.276343281633201	0.782394213096643	0.000146835377174541	0.879807992740259
HNSC	KDM1A	cg06958034	0.00954201060305102	530	0.217601226430358	0.827825185950536	9.10499663487381e-05	0.907452970836894
HNSC	KDM1A	cg07118078	0.0135851712055104	530	0.309818157940753	0.756823360043414	0.000184556876683029	0.864417149523827
HNSC	KDM1A	cg07785945	0.0587849050560677	530	1.34284246559224	0.179914722751093	0.0034556650624509	0.356929741200584
HNSC	KDM1A	cg10499166	0.120284915299219	530	2.76297894180816	0.00593055494510138	0.0144684608485402	0.0284194647898988
HNSC	KDM1A	cg12578844	0.0839424757115987	530	1.92096280071706	0.0552828253109165	0.00704633922859234	0.155202891094819
HNSC	KDM1A	cg22683154	-0.204383501209838	530	-4.76116483565147	2.49901432632939e-06	0.0417726155667917	3.84358087193492e-05
HNSC	KDM1A	cg26662347	-0.0495292886521864	530	-1.13082945396437	0.258648159364237	0.0024531504343916	0.453324807587561
HNSC	KDM1B	cg11007366	-0.0441215388242781	530	-1.00710663561556	0.314351929725032	0.00194671018822228	0.513394699923688
HNSC	KDM1B	cg15124342	-0.269575424544245	530	-6.38359061704625	3.83550083040917e-10	0.0726709095182101	1.36694148196839e-08
HNSC	KDM1B	cg20677365	-0.129855393308004	519	-2.95468872742761	0.00327478922708904	0.0168624231711765	0.0176670563891931
HNSC	KDM1B	cg22406543	0.147685052415901	530	3.40507590949607	0.000712570717882468	0.0218108747070874	0.00506013020784562
HNSC	KDM1B	cg23073439	-0.246664131586555	530	-5.80414987510908	1.12595512223262e-08	0.0608431938113495	3.04775757755617e-07
HNSC	KDM1B	cg23860886	-0.0164468937961848	530	-0.375097617955737	0.707740808968341	0.000270500315542983	0.833466877986091
HNSC	KDM1B	cg24342628	0.0752915894961179	530	1.72179962629824	0.0857005160429793	0.00566882344885192	0.213295771988596
HNSC	KDM2A	cg05038268	-0.178025684365986	530	-4.12551178837926	4.30670336720304e-05	0.0316931442939777	0.000466493569685594
HNSC	KDM2A	cg05295919	-0.227204554710651	530	-5.32019987952872	1.54302533721051e-07	0.0516219096812653	3.20957521612178e-06
HNSC	KDM2A	cg06320126	-0.113442196441917	530	-2.60368794359998	0.00948622747458361	0.0128691319335665	0.0408715258244251
HNSC	KDM2A	cg07283932	-0.284439994633125	530	-6.76569466485796	3.58360788315712e-11	0.0809061105468922	1.53768997055888e-09
HNSC	KDM2A	cg08836144	-0.131547990139642	525	-3.01146923312345	0.00272754939595742	0.0173048737097792	0.0152707432680181
HNSC	KDM2A	cg09993857	-0.0391102676418635	530	-0.892534197892107	0.372519511266977	0.00152961303501819	0.57115400105448
HNSC	KDM2A	cg11637544	0.259865356831315	530	6.13666795858098	1.67198191993868e-09	0.0675300036810668	5.30033257863528e-08
HNSC	KDM2A	cg16004548	-0.165782802853601	530	-3.83347608458854	0.000141819470976239	0.0274839377219958	0.00129830080381605
HNSC	KDM2A	cg18132081	0.0807168987307548	530	1.84665399329974	0.0653653053952678	0.00651521774071093	0.175309541747206
HNSC	KDM2A	cg21293464	-0.188786512275786	530	-4.383824091923	1.41172392835435e-05	0.0356403472172554	0.000176935155924599
HNSC	KDM2A	cg21711868	-0.134367201049913	530	-3.0920838342992	0.00209422910525091	0.0180545447179878	0.0123385685408883
HNSC	KDM2A	cg25597833	-0.214533824207844	530	-5.00874469157648	7.51757528802818e-07	0.0460247617292421	1.32462571224658e-05
HNSC	KDM2B	cg03486832	-0.110566282120301	530	-2.53685322930357	0.0114766016127588	0.012224902741906	0.0474862541742882
HNSC	KDM2B	cg05067991	-0.101496281156745	530	-2.32648547065349	0.020376009225853	0.0103014950886491	0.0738541332393426
HNSC	KDM2B	cg07020001	-0.0508012976581592	530	-1.15994556744838	0.246603266802793	0.00258077184375289	0.439804093022845
HNSC	KDM2B	cg07529210	-0.0642567199693253	530	-1.46831307364506	0.142623828895306	0.00412892606121629	0.305170534023673
HNSC	KDM2B	cg07793808	-0.0614099210340272	530	-1.4030096551368	0.161210753410941	0.00377117840140546	0.331410320565792
HNSC	KDM2B	cg09151742	-0.0124225711163415	530	-0.283300066383196	0.777059575231056	0.000154320273140562	0.876717851742902
HNSC	KDM2B	cg12251659	-0.00166660229119377	530	-0.0380044322965541	0.969698733556544	2.77756319701234e-06	0.984061878304425
HNSC	KDM2B	cg12888660	-0.0733945422169151	530	-1.67817914405284	0.0939129674042617	0.00538675882723053	0.227682167359983
HNSC	KDM2B	cg15234492	-0.0737971483407481	530	-1.68743507451003	0.0921194029489845	0.00544601910322639	0.224523367160013
HNSC	KDM2B	cg15316703	-0.0615062909183533	530	-1.40521973632723	0.160553075400568	0.00378302382253311	0.330468737867754
HNSC	KDM2B	cg16837338	-0.0560241327255312	530	-1.27955643919138	0.201271790117395	0.00313870344764794	0.384526081898818
HNSC	KDM2B	cg17452615	-0.0870610960937207	530	-1.99286540658786	0.046798366954615	0.00757963445304006	0.137496493650099
HNSC	KDM2B	cg20055546	-0.0613736288012548	530	-1.40217736403903	0.161458955631339	0.00376672231223421	0.331729153283376
HNSC	KDM2B	cg21249371	-0.0884443420913648	530	-2.02477616089055	0.043400860905288	0.00782240164797436	0.13002575186642
HNSC	KDM2B	cg21781916	-0.0850612905102921	530	-1.94675143220407	0.0521026247227246	0.0072354231432763	0.148672984912872
HNSC	KDM2B	cg26218726	-0.121507509464579	530	-2.79148096898449	0.00543970579178348	0.0147640748562846	0.0265364314520602
HNSC	KDM2B	cg26509318	-0.0908274189231647	530	-2.07978028427984	0.0380349640642535	0.00824962002824405	0.117964039166549
HNSC	KDM3A	cg01744130	-0.20120839424437	530	-4.68405344331565	3.59495673238806e-06	0.0404848179143977	5.3168453239429e-05
HNSC	KDM3A	cg02152982	-0.157285243468442	530	-3.63186037237001	0.000309270186681248	0.0247386478129272	0.0025077511885221
HNSC	KDM3A	cg02972551	-0.0747942944103476	530	-1.71036308299062	0.0877952253707881	0.00559418647634175	0.217002661323476
HNSC	KDM3A	cg03037033	-0.192672467627174	530	-4.47750266193061	9.28878449127086e-06	0.0371226797815445	0.000122767873040082
HNSC	KDM3A	cg04793821	-0.212427671718453	530	-4.95723624837429	9.69275042902379e-07	0.045125515711723	1.66675028044977e-05

HNSC	KDM3A	cg07052513	-0.127968489270823	530	-2.94232161239586	0.00340297371714107	0.0163759342462566	0.0182307166079654
HNSC	KDM3A	cg07211384	-0.123338156025737	530	-2.83418252126857	0.00477292335602697	0.015212300731829	0.023896563235858
HNSC	KDM3A	cg12888358	-0.171742232305564	530	-3.97539214276029	8.02062984403183e-05	0.0294953943572983	0.000796672699906297
HNSC	KDM3A	cg18611949	-0.202906806929997	530	-4.72528216438701	2.96160699995343e-06	0.0411711722985271	4.46251056723137e-05
HNSC	KDM3A	cg19139691	-0.174172134416834	530	-4.03338514626416	6.32237973097799e-05	0.0303359324073158	0.000651793279607345
HNSC	KDM3A	cg20191795	-0.130216924873266	530	-2.99490276885049	0.00287612895926969	0.0169564475234498	0.0159181542584964
HNSC	KDM3A	cg20918903	-0.151980245584153	530	-3.50641498218884	0.00049346759857876	0.0230979950478195	0.003708347987233
HNSC	KDM3A	cg22404242	-0.0936042249212021	530	-2.14391763872051	0.0325025345367026	0.00876175092309899	0.104764954288305
HNSC	KDM3A	cg24749656	-0.219932649492299	530	-5.1411159653559	3.87301474828729e-07	0.0483703703127022	7.31685538446984e-06
HNSC	KDM3B	cg00435490	0.031656762942235	530	0.722247253887471	0.470467143752175	0.00100215063998086	0.659035220690676
HNSC	KDM3B	cg03315484	-0.314471007085281	530	-7.55429367412523	1.90919434242239e-13	0.0988920142972312	1.208493610044e-11
HNSC	KDM3B	cg05191700	-0.0833334805337799	530	-1.90692857044937	0.0570806298783486	0.00694446897787387	0.15878034745927
HNSC	KDM3B	cg05708550	0.023666239275815	530	0.539824485095771	0.589549169106656	0.000560090881460131	0.752666520882501
HNSC	KDM3B	cg05722427	0.0940990128099743	530	2.15535126906788	0.0315925938365812	0.00885462421181171	0.102571438793164
HNSC	KDM3B	cg15001364	-0.137475055656626	530	-3.16496421024342	0.00164185087778971	0.0188993909277924	0.0101257449807177
HNSC	KDM3B	cg18682923	0.0959204487704539	530	2.19745522827969	0.0284281895878291	0.00920073249232527	0.0948454469695534
HNSC	KDM3B	cg19076659	0.0705383031228541	530	1.61253751056506	0.107451727787998	0.00497565220745165	0.250835700271253
HNSC	KDM3B	cg24137987	-0.187076718314809	530	-4.3426741165335	1.69268883260688e-05	0.0349976985354386	0.000207110605063743
HNSC	KDM4A	cg00154982	-0.0154970870571295	530	-0.353430398882178	0.723909037844031	0.000240159707256251	0.843580989395107
HNSC	KDM4A	cg00979347	0.0814646983875407	530	1.86387604179932	0.0629024624861808	0.00663649708337297	0.170390130807129
HNSC	KDM4A	cg03587511	0.0865280322699311	530	1.98057101674683	0.0481659378739139	0.00748710036850623	0.140379925481914
HNSC	KDM4A	cg08552254	-0.152205453925771	530	-3.51173401267151	0.00048392229822462	0.0231665002047499	0.00364436120697832
HNSC	KDM4A	cg10958452	-0.0532624771311349	530	-1.21629782789022	0.224423301418131	0.00283689147014467	0.413656501694596
HNSC	KDM4A	cg10968649	0.0512859736506196	530	1.17104121641848	0.242118544847621	0.00263025109329204	0.434465206049773
HNSC	KDM4A	cg12293275	0.115266405979427	530	2.64611585192296	0.00838881525937413	0.0132863443474141	0.0372701024721731
HNSC	KDM4A	cg17737314	-0.061745904599343	530	-1.41071504415955	0.158926592956158	0.00381255673479117	0.328234175252724
HNSC	KDM4A	cg19743044	0.00443283281580211	530	0.101085133969674	0.919521842198984	1.9650006772852e-05	0.957607525997695
HNSC	KDM4A	cg20873046	-0.058404418703181	530	-1.33410296551356	0.182754075505935	0.00341107612405648	0.360631371278409
HNSC	KDM4A	cg21451504	-0.20822377487461	530	-4.85464044977115	1.59741698153979e-06	0.0433571404230323	2.58948649014183e-05
HNSC	KDM4A	cg22094309	-0.0538064603385176	530	-1.2287560725206	0.219719060201586	0.00289513517416047	0.40776813228976
HNSC	KDM4A	cg24324755	0.0240198562465174	530	0.547895073926689	0.583999055466914	0.000576953494103362	0.748752841758597
HNSC	KDM4A	cg24505556	-0.101683429456394	530	-2.33082003742021	0.0201442616421635	0.0103395198260135	0.0732427879131832
HNSC	KDM4A	cg25841161	0.0407919354686134	530	0.93097413185216	0.35229895071165	0.00166398199927552	0.551221733138819
HNSC	KDM4B	cg01098771	-0.126627303216903	530	-2.91097910557999	0.0037575198965498	0.0160344739199854	0.0197441744567508
HNSC	KDM4B	cg12072803	-0.116731366221196	530	-2.68020787519508	0.00759105135133593	0.013626211859867	0.034526324182988
HNSC	KDM4B	cg18115693	-0.0952668873961727	530	-2.1823450909384	0.0295308186673464	0.00907577983415505	0.097567336592523
HNSC	KDM4C	cg00121158	0.352479840379505	530	8.58902580834117	1.02513381690024e-16	0.124242037873962	9.906740391545e-15
HNSC	KDM4C	cg00667760	0.24619238190416	530	5.79233237898971	1.20297738361134e-08	0.0606106889076439	3.23316043600954e-07
HNSC	KDM4C	cg05545111	0.240933138912298	530	5.66088071310636	2.49248922229523e-08	0.0580487774261328	6.2669911622248e-07
HNSC	KDM4C	cg14196303	0.00962902772076322	530	0.219585795529318	0.826279924489003	9.27181748472266e-05	0.906585341180168
HNSC	KDM4C	cg14473811	0.245378312083626	530	5.77194994234584	1.3480538489374e-08	0.0602105160410092	3.58286645453489e-07
HNSC	KDM4C	cg14497348	0.195320068342147	530	4.54145325864419	6.95016516186212e-06	0.0381499290971809	9.48729862435342e-05
HNSC	KDM4E	cg15555590	-0.0965753305094096	530	-2.21259876917825	0.0273589922251443	0.00932679446300171	0.092172943621449
HNSC	KDM4E	cg19409026	-0.0391979573461804	530	-0.894538437928939	0.371447723280884	0.00153647986011298	0.570083731552105
HNSC	KDM5B	cg00528052	-0.0588204804652049	530	-1.34363973562422	0.179650924112242	0.00345984892215755	0.356615564949929
HNSC	KDM5B	cg00571448	-0.0863916142497047	530	-1.97742499709663	0.0485212482087624	0.00746351101266979	0.141103584282923
HNSC	KDM5B	cg02624558	-0.108174362006923	530	-2.48131550034754	0.0134048111662267	0.0117016925956049	0.0535682888922506
HNSC	KDM5B	cg04504182	-0.115761582274682	530	-2.65763744543884	0.00811116516249403	0.0134007439307381	0.0363102763638543
HNSC	KDM5B	cg08915090	-0.10867197266431	530	-2.492865841325	0.012981649461631	0.0118095976427525	0.0522746745803675
HNSC	KDM5B	cg09889216	-0.113627067855358	530	-2.60798650547456	0.00936947406266497	0.0129111105494062	0.0405005759421547
HNSC	KDM5B	cg11171004	0.0344030423626912	530	0.784974742558377	0.432825853903825	0.00118356932380913	0.626500222878299
HNSC	KDM5B	cg11221497	-0.18015879211453	530	-4.17659186604013	3.47000353991828e-05	0.0324571903761666	0.000387018574027818
HNSC	KDM5B	cg13134514	-0.198349219057585	530	-4.61474659607384	4.96336046249875e-06	0.0393424127007537	7.07956846020586e-05
HNSC	KDM5B	cg13253785	-0.26260728837021	530	-6.20618733553671	1.10991610510028e-09	0.0689625879051548	3.6432410751127e-08
HNSC	KDM5B	cg13993945	-0.212318958338169	530	-4.95457950573101	9.82005012872901e-07	0.0450793400698053	1.68454460796989e-05
HNSC	KDM5B	cg14560895	-0.0482214997325976	530	-1.10090009274773	0.271449481158618	0.00232531303646091	0.4677731481732381
HNSC	KDM5B	cg21105875	-0.140894213232055	523	-3.22333785031749	0.00134765386884268	0.0198511793222798	0.00860397087178888

HNSC	KDM5B	cg24354901	-0.08486421266006	530	-1.94220826115989	0.0526514759051388	0.00720193459041189	0.149794065117187
HNSC	KDM5B	cg27531483	-0.189763752695984	530	-4.40736208380774	1.27168020504649e-05	0.0360102818372626	0.000161563678446868
HNSC	KDM5C	cg01859586	0.0856745212468724	530	1.96088951399402	0.0504252486031861	0.00734012359088079	0.145180673198973
HNSC	KDM5C	cg04927657	0.215088677333732	530	5.02232643182851	7.0277426728518e-07	0.0462631391171744	1.24935149335428e-05
HNSC	KDM5C	cg04927982	-0.358932053356482	530	-8.76926133158311	2.56880799323735e-17	0.1288322189267	2.63290973683672e-15
HNSC	KDM5C	cg09554224	0.364740462303953	530	8.93274599771027	7.19135808327814e-18	0.133035604841701	7.82439875147608e-16
HNSC	KDM5C	cg12234996	-0.308686336674446	530	-7.4005453499181	5.4881552437972e-13	0.0952872544494893	3.23198750216472e-11
HNSC	KDM5C	cg16417926	-0.0652437226507777	530	-1.49096249070963	0.136577685000252	0.0042567433453316	0.296132122604018
HNSC	KDM5C	cg16824069	-0.432227442489577	530	-10.93001642786	3.57214546790232e-25	0.186820562041081	7.35162657486755e-23
HNSC	KDM5C	cg19903753	-0.186136184021839	530	-4.32005554246173	1.86912310185451e-05	0.034646679002212	0.000226137733414728
HNSC	KDM5C	cg24985300	0.0398026657617252	530	0.908360248168179	0.364108704567682	0.00158425220173961	0.563097082940148
HNSC	KDM5C	cg27526317	-0.0862166429492472	530	-1.97339004062237	0.0489801836342336	0.00743330952143798	0.142114143131492
HNSC	KDM6A	cg00751785	-0.353577978585173	530	-8.61960111875297	8.1180941868238e-17	0.125017386940377	7.91402279661367e-15
HNSC	KDM6A	cg03267667	0.0322155582150741	530	0.735009266480071	0.46266519669211	0.00103784219110883	0.652063051405232
HNSC	KDM6A	cg03478540	0.0785702218073286	530	1.79723271912314	0.0728787819617161	0.00617327975485281	0.189883580325011
HNSC	KDM6A	cg06877198	0.122059949183929	530	2.80436407742826	0.00523015614977607	0.0148986311947833	0.0257011412744413
HNSC	KDM6A	cg07167981	-0.314652209152029	530	-7.55912471560126	1.8463882114542e-13	0.0990060127242523	1.17351245524402e-11
HNSC	KDM6A	cg11895950	-0.253412136121804	530	-5.97367609934339	4.30504359623225e-09	0.0642177107338158	1.25999458813127e-07
HNSC	KDM6A	cg14384228	-0.0523856937062277	530	-1.1962201094871	0.232155820922566	0.002744260950827	0.422760689404686
HNSC	KDM6A	cg15923127	0.0470578687049536	530	1.07427462829568	0.283197844146554	0.00221444300705265	0.480533512164402
HNSC	KDM6A	cg17824914	-0.172771909372268	530	-3.99995762360659	7.25426506267601e-05	0.0298501326681391	0.000730535011373226
HNSC	KDM6A	cg20211377	-0.0450576341811917	530	-1.02851671695129	0.304184998721113	0.00203019039800609	0.502778391843587
HNSC	KDM6A	cg22133177	0.177283909021325	530	4.10776311700148	4.63996191884044e-05	0.0314295843978815	0.000496781169163602
HNSC	KDM6A	cg27306636	-0.26591128070175	530	-6.29017203369811	6.7320105920226e-10	0.0707088092044451	2.29295110330913e-08
HNSC	KDM6B	cg01046511	-0.156821392370304	530	-3.62087916588216	0.000322358604319601	0.0245929491049607	0.0025949467368004
HNSC	KDM6B	cg02308232	-0.183467573922089	530	-4.25594581777681	2.46976448980506e-05	0.033660350680857	0.000287796373157422
HNSC	KDM6B	cg24893073	-0.155728391459305	530	-3.59501317216223	0.000355271491385031	0.0242513319065027	0.00281531938482297
HNSC	KDM8	cg00636124	0.00992908973637394	530	0.226429243965358	0.820956562918452	9.85868229929664e-05	0.903831977165876
HNSC	KDM8	cg01755539	-0.0208646445753123	530	-0.475890696795928	0.634352115539361	0.00043533393254111	0.784652214539458
HNSC	KDM8	cg06329197	-0.0154935450870253	530	-0.353349600438396	0.723969567339073	0.000240049939363685	0.843600978424491
HNSC	KDM8	cg08572679	-0.0772575172865487	530	-1.76702378339465	0.0778107726420439	0.00596872397728138	0.198947222600736
HNSC	KDM8	cg09140090	-0.0565959474631798	529	-1.29141454839431	0.197134819444338	0.00320310126925501	0.379382363344972
HNSC	KDM8	cg10214171	-0.0253014290917031	530	-0.577146116576079	0.564090531178495	0.000640162314082479	0.733827069941469
HNSC	KDM8	cg10221365	-0.0032730997197388	530	-0.0746385570961867	0.940530999243258	1.07131817753542e-05	0.968318554824381
HNSC	KDM8	cg16752029	-0.0329828628764115	530	-0.75253443494006	0.452070248114409	0.00108786924352416	0.642590818063775
HNSC	KDM8	cg24206694	-0.0401768693444146	530	-0.916913912986917	0.359612799835757	0.00161418083031816	0.558475598395442
HNSC	KDM8	cg24705286	0.0124652806360305	530	0.284274219543313	0.776313404454587	0.000155383221334996	0.876193671272672
HNSC	KIAA202f	cg03495688	0.226111549933054	530	5.29322365323643	1.77545911003893e-07	0.0511264330131281	3.6501074525996e-06
HNSC	KIAA202f	cg25608569	-0.152415180655689	530	-3.5166878978729	0.000475187848672843	0.0232303872943063	0.00359074924717389
HNSC	KMT2B	cg09284703	0.0088055294609594	530	0.200804751012398	0.840929763268544	7.75373490878239e-05	0.914800516740993
HNSC	KMT2B	cg13830730	0.272474472328047	530	6.45771440796602	2.44278978301305e-10	0.0742423380704477	9.02347523170548e-09
HNSC	KMT2B	cg15496871	0.210024172879786	530	4.89854419365862	1.29133120551012e-06	0.0441101531938384	2.14470153290893e-05
HNSC	KMT2B	cg24471867	0.377534344892862	530	9.29713684187965	3.9677079130841e-19	0.142532181573683	4.85320549356076e-17
HNSC	L3MBTL1	cg01071811	-0.372967304368364	530	-9.16636702171206	1.13279929805113e-18	0.139104610127804	1.31529833720283e-16
HNSC	L3MBTL1	cg01877937	-0.307971217846613	530	-7.38160207642435	6.24340854239553e-13	0.0948462710219257	3.64365884581484e-11
HNSC	L3MBTL1	cg02177317	-0.234456904580044	530	-5.49973685321787	5.97352904676778e-08	0.0549700401052561	1.37040612994471e-06
HNSC	L3MBTL1	cg02472486	-0.206394373078141	530	-4.81008226622272	1.97906021169366e-06	0.0425986372383187	3.13179434720295e-05
HNSC	L3MBTL1	cg02611863	-0.372941712394413	530	-9.16563643349919	1.13942502267107e-18	0.139085520843677	1.32101982434685e-16
HNSC	L3MBTL1	cg03486259	-0.0698056020349765	530	-1.59570518091254	0.111162165886705	0.00487282207546551	0.256843307424648
HNSC	L3MBTL1	cg04984575	-0.239330449581714	530	-5.62092838993645	3.10167111061633e-08	0.0572790640969854	7.62133298734323e-07
HNSC	L3MBTL1	cg06362543	-0.0454798226556242	530	-1.03817376509297	0.299671661978551	0.00206841426878703	0.497942186166846
HNSC	L3MBTL1	cg06446163	-0.293524850517909	530	-7.00181632715485	7.83972236017708e-12	0.0861568378715609	3.80701224274417e-10
HNSC	L3MBTL1	cg06908806	0.0252543712016299	530	0.576072002250035	0.564815750480794	0.000637783264789712	0.734423121377859
HNSC	L3MBTL1	cg07678583	-0.274922400553867	530	-6.52045165443694	1.66196122688807e-10	0.0755823263263008	6.3784218887287e-09
HNSC	L3MBTL1	cg08369943	-0.164046685167325	530	-3.79221471989779	0.000166832486323009	0.0269113149143876	0.00149076113496578
HNSC	L3MBTL1	cg08633313	-0.315425787702243	530	-7.57975947598418	1.60026935048007e-13	0.0994934275475805	1.02970516005994e-11
HNSC	L3MBTL1	cg09541000	-0.244654050458086	530	-5.75382702008834	1.49126248493106e-08	0.0598556044055478	3.93391908283239e-07

HNSC	L3MBTL1	cg10360552	-0.309896788516493	530	-7.43264147666695	4.40857077899241e-13	0.0960360195328362	2.62402720107831e-11
HNSC	L3MBTL1	cg12699433	-0.208213436528804	530	-4.85438849272438	1.59936074852018e-06	0.0433528351511343	2.59209729313289e-05
HNSC	L3MBTL1	cg14306330	-0.149131011652091	530	-3.43916898527213	0.000630347158369308	0.0222400586363761	0.00456075398420591
HNSC	L3MBTL1	cg15123011	-0.0967574294833831	530	-2.21681015583695	0.0270679058326738	0.00936200016023185	0.091425871237714
HNSC	L3MBTL1	cg15302378	-0.347009598203969	530	-8.4373179495119	3.23337550419717e-16	0.12041566124568	2.92145428540667e-14
HNSC	L3MBTL1	cg15330298	-0.3669121298318	530	-8.99417733697442	4.43779958732436e-18	0.134624511017708	4.95314463552814e-16
HNSC	L3MBTL1	cg15388309	-0.359878424891797	530	-8.7958174719543	2.09128540992846e-17	0.129512480702601	2.16919276239966e-15
HNSC	L3MBTL1	cg16862791	-0.345155192219168	530	-8.38611265864053	4.748644001548e-16	0.119132106715851	4.18364678886099e-14
HNSC	L3MBTL1	cg17091610	-0.332160182999593	530	-8.03035721189566	6.53717864394599e-15	0.110330387170323	5.02026925396974e-13
HNSC	L3MBTL1	cg17774347	-0.0560496575612327	530	-1.28014124739968	0.201066233808201	0.00314156411273145	0.384252010535661
HNSC	L3MBTL1	cg18911945	-0.314943664295166	530	-7.56689714685283	1.74958895839686e-13	0.0991895116796662	1.11655064339233e-11
HNSC	L3MBTL1	cg20091959	-0.234345085581344	530	-5.4969614196504	6.0630194792076e-08	0.0549176191361274	1.38766265773897e-06
HNSC	L3MBTL1	cg20252111	-0.276121243527636	530	-6.55122638722607	1.37434216914948e-10	0.0762429411272482	5.33510851830411e-09
HNSC	L3MBTL1	cg20529070	-0.346857468081695	530	-8.43311299246441	3.33726812426208e-16	0.120310103164044	3.00833645954628e-14
HNSC	L3MBTL1	cg22330467	-0.156289877430858	530	-3.60829910594324	0.000337991165206787	0.0244265257873527	0.00270066605444708
HNSC	L3MBTL1	cg22457903	-0.335638991350855	530	-8.12507665100898	3.27923024712803e-15	0.112653532515019	2.62183389357737e-13
HNSC	L3MBTL1	cg22601123	-0.0689772662826236	530	-1.57667896168184	0.11547754973908	0.00475786326382396	0.263664129568152
HNSC	L3MBTL1	cg23626798	-0.296357930432944	530	-7.0758702727292	4.82627578986724e-12	0.0878280229304976	2.43170530308894e-10
HNSC	L3MBTL1	cg24343973	-0.20715897868496	530	-4.82869909118391	1.8099795429826e-06	0.0429148424497955	2.89247223843032e-05
HNSC	L3MBTL2	cg02358112	-0.165398507255592	530	-3.82433959703977	0.00014703200168719	0.027356666202378	0.00133921174795144
HNSC	L3MBTL2	cg06235991	0.0371809119506251	529	0.847625694102766	0.397037175460973	0.00138242021348014	0.593674631014876
HNSC	L3MBTL2	cg08053598	-0.0520217082059082	530	-1.18788591727726	0.235420642285277	0.00270625812466066	0.426628621085092
HNSC	L3MBTL2	cg09993119	-0.0910019574979837	529	-2.08180560911058	0.0378496394593604	0.00828135626846483	0.117572067245707
HNSC	L3MBTL2	cg12821546	0.0160612870838495	530	0.366300946018011	0.714289508854117	0.00025796494278983	0.837439160439419
HNSC	L3MBTL2	cg13843727	-0.0202364921730601	530	-0.461557538505968	0.644591665369163	0.000409515615470322	0.791515460658712
HNSC	L3MBTL2	cg14679202	-0.13446073152137	530	-3.09427579159138	0.0020790978730291	0.0180796883212618	0.012272656494
HNSC	L3MBTL2	cg15283028	-0.167318868808083	529	-3.86629051604457	0.000124529698469516	0.0279956038592166	0.00116298479744749
HNSC	L3MBTL2	cg19467356	-0.0465923176591556	530	-1.06362341939142	0.287992995455491	0.00217084406485166	0.485515810780463
HNSC	L3MBTL2	cg24240981	-0.0702677852500403	530	-1.60632260409697	0.108810089205531	0.00493756164394579	0.252954222968075
HNSC	L3MBTL2	cg26947834	0.107215947901561	530	2.45907448237036	0.0142542039042039	0.0114952594844303	0.0561143134609937
HNSC	L3MBTL2	cg27177954	-0.0389720441325066	530	-0.889374996728949	0.374212824143949	0.00151882022386604	0.572864319516588
HNSC	L3MBTL2	cg03454037	0.225854184253349	530	5.28687473335734	1.83491016931515e-07	0.0510101125447457	3.75743621246914e-06
HNSC	L3MBTL2	cg07826275	-0.096932820588647	530	-2.22086662266401	0.026790066040268	0.00939597170727082	0.0907125675327452
HNSC	L3MBTL2	cg08106148	-0.113675428099343	530	-2.60911100528558	0.00933914440089791	0.0129221029535689	0.0404098892888065
HNSC	L3MBTL2	cg08358392	-0.0333023748715116	530	-0.759832450801968	0.447699079858152	0.00110904817208268	0.639211924641096
HNSC	L3MBTL2	cg09710740	-0.120448249014792	530	-2.76678595792412	0.0058627542918863	0.0145077806907292	0.0281604783516302
HNSC	L3MBTL2	cg10237990	-0.113684417226838	530	-2.60932002764499	0.00933351640631274	0.0129241467202059	0.0403945243567562
HNSC	L3MBTL2	cg16487825	-0.138333660868179	530	-3.18511552660787	0.00153374648058931	0.0191362017291923	0.00957363987089504
HNSC	L3MBTL2	cg16800851	-0.127270112316026	530	-2.9259990334848	0.00358361299314367	0.0161976814889339	0.0189907077103964
HNSC	L3MBTL2	cg18411550	-0.114712166521055	530	-2.63322236756799	0.00870960928829737	0.0131588811479541	0.0383232661184279
HNSC	L3MBTL2	cg18798995	-0.126425950444449	530	-2.90627504841941	0.00381354679066391	0.0159835209457824	0.0199845779072353
HNSC	L3MBTL2	cg22934935	0.197963056996276	530	4.60539541542303	5.18252349831311e-06	0.0391893719353108	7.34370187664426e-05
HNSC	L3MBTL2	cg24516147	-0.115783855603259	530	-2.65815574080111	0.00809887133602621	0.0134059012183563	0.0362683819842314
HNSC	LBR	cg01017344	-0.0330733165592965	530	-0.754600475972666	0.45083033752223	0.00109384426823144	0.641554983046145
HNSC	LBR	cg05530459	0.0221354158454008	530	0.504888850450674	0.613850801475294	0.000489976634648823	0.770286462617453
HNSC	LBR	cg12994003	-0.038724273700328	530	-0.883712146981669	0.377260004308776	0.00149956937361792	0.575800760745476
HNSC	LBR	cg14607642	-0.0945026578314751	530	-2.16467994990056	0.0308664897254408	0.00893075233721287	0.100784621834654
HNSC	LBR	cg18107727	-0.0543060932128535	530	-1.24019957699218	0.215460903130788	0.00294915176004314	0.402544861743955
HNSC	LBR	cg18289048	-0.0154792975586241	530	-0.353024589889818	0.724213063822873	0.000239608652908426	0.843821514925586
HNSC	LBR	cg18764107	0.0279290958616306	530	0.637129915034408	0.524320621609278	0.000780034395648149	0.703490526779765
HNSC	LBR	cg19322477	-0.0506971659485241	530	-1.15756179600139	0.247574326492807	0.00257020263521219	0.440870394418577
HNSC	LBR	cg20483690	-0.135344465712496	530	-3.11499093670968	0.00194098622492337	0.0183181243990009	0.0116017735214513
HNSC	LBR	cg26930584	-0.143123442551002	530	-3.29766662816024	0.00104159275773209	0.02048431980765	0.00694579693082548
HNSC	MBD1	cg01719254	-0.0892548568895769	530	-2.04347978253341	0.0415084022990758	0.00796642947837885	0.125739054104369
HNSC	MBD1	cg03841029	-0.0573374064246941	530	-1.30964859323107	0.190893057506419	0.00328757817551055	0.371233326395681
HNSC	MBD1	cg05549078	-0.0750081172201027	530	-1.71528031510222	0.0868895678117855	0.00562621764890467	0.215386799731064
HNSC	MBD1	cg12090413	-0.0942031941184743	530	-2.15775891093497	0.0314038006769741	0.00887424178212296	0.102141787351138

HNSC	MBD1	cg13478031	-0.0796253889287905	530	-1.82152182393958	0.0691019647437102	0.00634020256206115	0.182617734323205
HNSC	MBD1	cg14389183	-0.107680938959852	530	-2.46986422393919	0.0138363672848848	0.0115951846152754	0.0548814147979421
HNSC	MBD1	cg19328682	-0.136179678241332	530	-3.13457567124674	0.00181822962704894	0.0185449047659127	0.0109990167656801
HNSC	MBD1	cg21282183	0.0152607617510414	530	0.348039440296914	0.727951409415359	0.000232890849222049	0.846136922424971
HNSC	MBD2	cg15090185	-0.0531158916070906	530	-1.21294092826406	0.225703126839833	0.00282129794121619	0.415071368951301
HNSC	MBD2	cg16852837	-0.239861759719097	530	-5.6341676280019	2.88528906587115e-08	0.0575336637755421	7.16660847989719e-07
HNSC	MBD2	cg17987217	0.014233413164737	530	0.324604640615052	0.745610854807748	0.000202590050318108	0.857099323463317
HNSC	MBD2	cg22224310	-0.258404155329044	530	-6.09968558333311	2.07598007021221e-09	0.0667727074913169	6.47030423005163e-08
HNSC	MBD2	cg22836370	-0.0125610519050947	530	-0.286458653529902	0.774640949907456	0.000157780024962482	0.875083946091106
HNSC	MBD2	cg23388714	-0.235784413050335	530	-5.53270432385732	5.0039557100373e-08	0.0555942894374912	1.16759967158561e-06
HNSC	MBD2	cg24881765	-0.228248379658288	530	-5.34598209712538	1.34862317472101e-07	0.0520973228166341	2.84862316737024e-06
HNSC	MBD2	cg25192916	0.237424971115892	530	5.57349143199374	4.01441723211099e-08	0.0563706169093821	9.62989744541605e-07
HNSC	MBD3	cg08660999	0.121344073315245	530	2.78767007989235	0.00550313235817513	0.0147243841287355	0.0267770001671176
HNSC	MBD3	cg09174855	-0.0405713793187843	530	-0.925932166305009	0.354910751084766	0.00164603681982868	0.553839334264181
HNSC	MBD3	cg12286540	-0.0556842180932813	530	-1.27176877869092	0.204023770079792	0.00310073214466012	0.388026236299319
HNSC	MBD5	cg03890220	0.28650468830225	530	6.81918003305959	2.54914220750856e-11	0.0820849364191697	1.12038400503345e-09
HNSC	MBD5	cg04152151	0.341107399325097	530	8.2747278207248	1.08908845373334e-15	0.116354257874331	9.22925350432807e-14
HNSC	MBD5	cg05218490	0.170000570163945	530	3.93387101527314	9.49319744580655e-05	0.0289001938560663	0.000922220032591252
HNSC	MBD5	cg06394585	0.25304984887649	530	5.96455118894555	4.53632507231613e-09	0.0640342260164146	1.32370169795859e-07
HNSC	MBD5	cg06758980	0.276175330544649	530	6.55261559939725	1.36258044410874e-10	0.076272813201446	5.29209101692438e-09
HNSC	MBD5	cg20595490	0.24682078389423	530	5.80807504187352	1.10145211126468e-08	0.0609204993621619	2.98886672307158e-07
HNSC	MBD5	cg21412502	-0.128599030420818	529	-2.95421784591633	0.00327687736789836	0.0165377106251744	0.0176709689420689
HNSC	MBD5	cg23120335	-0.172878145403454	530	-4.00249291331936	7.17925240122036e-05	0.0298868531581378	0.000724393264665893
HNSC	MBD5	cg25686162	0.179388791477803	530	4.15814620534301	3.75249496603462e-05	0.0321803385078665	0.000414073182110209
HNSC	MBD5	cg26664634	-0.304524047869083	530	-7.29048066060073	1.15667409391644e-12	0.0927348957305717	6.48754898789728e-11
HNSC	MBTD1	cg01388767	-0.0192862378725725	530	-0.439875704764492	0.660209895458495	0.000371958971277449	0.802344183624522
HNSC	MBTD1	cg14577476	-0.0313212916982544	530	-0.714585940275218	0.475185596384438	0.000981023313647142	0.66299457081857
HNSC	MBTD1	cg17045523	-0.0913956297877345	530	-2.09290051929255	0.0368420609895793	0.00835316114429663	0.115233647982604
HNSC	MBTD1	cg18711617	-0.093096347989246	530	-2.13218321148323	0.033459734450251	0.00866693000893478	0.107060691063333
HNSC	MBTD1	cg22141797	-0.133578271391864	530	-3.07359801404855	0.0022259253160906	0.0178431545880385	0.0129506886626095
HNSC	MBTD1	cg25259117	-0.106914379116656	530	-2.4520776956457	0.0145310880290783	0.0114306844619001	0.0569458194616955
HNSC	MBTD1	cg25716740	-0.0739241440435298	529	-1.68872875914791	0.0918720873108462	0.00546477907256854	0.224145303903279
HNSC	MBTD1	cg25855326	-0.0912399586841869	530	-2.08930580161705	0.0371656740801339	0.00832473006069213	0.11599690913494
HNSC	MBTD1	cg27207041	-0.17190108233025	530	-3.97918102297927	7.89762004789761e-05	0.0295499821063113	0.000786264978252043
HNSC	MBTD1	cg27214721	0.00461298341658387	530	0.10519332580232	0.916262970127099	2.12796160016778e-05	0.955798304202007
HNSC	MBTD1	cg27353579	-0.097635709480594	530	-2.23712522219903	0.0257011096473457	0.00953273176577895	0.0879743091435564
HNSC	MLLT10	cg00879184	-0.184797352156509	530	-4.28787965432233	2.15063257189716e-05	0.0341500613640566	0.000255040107161841
HNSC	MLLT10	cg03524461	-0.151665443205973	530	-3.49898083262618	0.000507103901397993	0.0230024066628642	0.00379279692431015
HNSC	MLLT10	cg04188362	-0.0934653424359097	530	-2.1407086105151	0.0327619352349146	0.00873577023666187	0.105398269537978
HNSC	MLLT10	cg05913198	-0.0256979478867522	530	-0.586196962786832	0.557997517722189	0.000660384525590229	0.72916755552793
HNSC	MLLT10	cg06398735	-0.00599078971471461	530	-0.136613475713945	0.891389198301025	3.58895614059304e-05	0.942509562080416
HNSC	MLLT10	cg11443787	-0.109306200949371	530	-2.50759004642161	0.0124594156292209	0.0119478455659842	0.0506224358625171
HNSC	MLLT10	cg15910013	-0.00593033259268643	530	-0.135234767743089	0.892478589845562	3.5168844659879e-05	0.943066236786319
HNSC	MLLT10	cg19119538	-0.12089248377858	530	-2.77714142825891	0.00568186051191668	0.0146149926341542	0.0274730969397754
HNSC	MLLT10	cg20569108	-0.178513431327677	530	-4.137186205559034	4.10005170195957e-05	0.0318670451643813	0.000447632930072643
HNSC	MLLT10	cg23344688	-0.158467568039875	530	-3.65986188003184	0.000278118201060994	0.0251119701204723	0.00229339912373743
HNSC	MLLT10	cg26877631	-0.102464174699653	530	-2.34890568533212	0.0192020246985632	0.010498907096881	0.0705056076556392
HNSC	MLLT10	cg27470303	-0.0599007365704724	530	-1.36840414605586	0.171776532119932	0.00358809824168513	0.346031383380623
HNSC	MLLT10	cg27572529	-0.00339785598863238	530	-0.0774834852164785	0.938268732807665	1.15454253194849e-05	0.966996812275922
HNSC	MLLT6	cg05652455	-0.0214861292479322	530	-0.490072265888393	0.624289461272293	0.000461653750058849	0.777416684102018
HNSC	MORF4L	cg03589001	-0.0181552898377504	530	-0.414072553964515	0.678991709279438	0.000329614549092721	0.81474760289124
HNSC	MORF4L	cg07757959	-0.0484320059117201	530	-1.10571723784633	0.269360227868546	0.00234565919663289	0.465337424592074
HNSC	MORF4L	cg08692282	0.0191100925511397	530	0.435856751723189	0.663121541869602	0.000365195637313124	0.804135135743294
HNSC	MORF4L	cg13747872	0.0238808504262066	530	0.544722524150953	0.586177895104107	0.00057029501707885	0.750364049527354
HNSC	MORF4L	cg15822222	0.0458622247082112	530	1.04692122817917	0.295622287520334	0.00210334365518646	0.493522183638208
HNSC	MORF4L	cg20775702	0.0103372206603444	530	0.235737494785576	0.813729187817243	0.000106858130980651	0.89966670603946
HNSC	MORF4L	cg20905746	0.0649570764977995	530	1.48438417804782	0.138312927278983	0.00421942178714098	0.298687426847135

HNSC	MORF4L	cg23623458	-0.139472363950294	519	-3.17769890006023	0.00157468492805478	0.0194525403058832	0.00979068408672422
HNSC	MORF4L	cg24795825	0.0277008731511204	529	0.631311683622046	0.52811468404405	0.000767338373334464	0.706532420686904
HNSC	MPHOSF	cg00331616	-0.105966277189407	530	-2.43008495168259	0.0154326239530625	0.0112288519013822	0.0596969592662993
HNSC	MPHOSF	cg03134886	-0.00455450019960322	530	-0.103859661234511	0.917320763410939	2.07434720681858e-05	0.956403557847491
HNSC	MPHOSF	cg03428000	0.0992304842096548	530	2.27402670415552	0.023371053138673	0.00984668899648255	0.0818902669971142
HNSC	MPHOSF	cg04203901	-0.00159799695764035	530	-0.0364399837361911	0.970945517141428	2.55359427662783e-06	0.98460978011693
HNSC	MPHOSF	cg06019692	-0.180858388386312	530	-4.19335784259824	3.230909144284e-05	0.0327097566496942	0.000363425890645502
HNSC	MPHOSF	cg09559995	-0.255903720140127	530	-6.03650453354078	2.99724169501557e-09	0.0654867139815566	9.03049653067548e-08
HNSC	MPHOSF	cg11051893	0.178915279372522	530	4.14680696457834	3.93687947708588e-05	0.0320106771929477	0.000431724840767436
HNSC	MPHOSF	cg19693579	0.127353713810937	530	2.92795274753424	0.00356153997262899	0.016218968421438	0.018913676061895
HNSC	MPHOSF	cg20759595	-0.288208651764137	530	-6.86339868827268	1.92042057439647e-11	0.0830642269517015	8.63809038813562e-10
HNSC	MPHOSF	cg20952532	-0.164435631474961	530	-3.80145543204764	0.000160893129913503	0.0270390768985691	0.0014453256522507
HNSC	MPHOSF	cg21958444	-0.266005388807047	530	-6.29256765692953	6.63614659044111e-10	0.0707588668743881	2.26352881647699e-08
HNSC	MPHOSF	cg22656705	-0.237807764996691	530	-5.58301560459608	3.8123574356465e-08	0.0565525330927215	9.17890810896263e-07
HNSC	MSH6	cg00620552	-0.066139685627649	530	-1.5115265617491	0.131261795175594	0.00437445801492424	0.288015988737855
HNSC	MSH6	cg02905881	-0.00034582508100632	530	-0.0078860256464912	0.993710951538822	1.19594986653031e-07	0.996747550369549
HNSC	MSH6	cg05039065	-0.0208174482971698	530	-0.474813754488366	0.635119076880898	0.000433366153605337	0.785058686075896
HNSC	MSH6	cg07652213	-0.0693120062544636	530	-1.58436727817077	0.113718100078418	0.0048041542110188	0.260922751142913
HNSC	MSH6	cg09898070	-0.208164756897555	530	-4.85320213853841	1.60854377227127e-06	0.0433325660142181	2.60480962156684e-05
HNSC	MSH6	cg11869233	0.0217879905743558	530	0.496960600012489	0.619426873317118	0.000474716533268216	0.774245833173562
HNSC	MSH6	cg16595246	-0.0499159731431896	530	-1.13968001932486	0.254944326984599	0.00249160437483163	0.449242071519433
HNSC	MSH6	cg18222961	-0.0254095958185143	530	-0.579615078021873	0.562425247526339	0.00064564755966026	0.732572165367366
HNSC	MSH6	cg19076255	-0.118750270679729	530	-2.72722020047744	0.00660283719363573	0.014101626786509	0.0309266732880786
HNSC	MSH6	cg19736286	-0.00268949920414876	530	-0.0613302397815445	0.951119772866988	7.23340596911681e-06	0.974102246315845
HNSC	MSH6	cg21405109	-0.0336704235731136	530	-0.768239389217364	0.442693710010927	0.00113369742359289	0.63502940102873
HNSC	MTA1	cg01318265	-0.146935101487965	530	-3.38740224341559	0.000759028041121386	0.0215899240492785	0.00533020858843202
HNSC	MTA1	cg01655777	-0.156322639855319	530	-3.6090744440846	0.000337007484004689	0.0244367677313356	0.00269363610507149
HNSC	MTA1	cg05922925	-0.346340547860235	530	-8.4188306940915	3.7153943356441e-16	0.119951775092127	3.31462599709974e-14
HNSC	MTA1	cg13052453	-0.132322664216967	530	-3.04418948459847	0.00245120014247227	0.0175092874654761	0.0140047491101269
HNSC	MTA1	cg13981078	-0.0905511490953828	530	-2.07340183509411	0.0386266998121233	0.00819951060249424	0.119336788818395
HNSC	MTA1	cg16531924	-0.116205416145468	530	-2.66796612747959	0.00786930509966563	0.0135036987415415	0.0354684079329889
HNSC	MTA1	cg20222911	-0.121474355802134	530	-2.79070789659817	0.00545251866105162	0.0147560191175434	0.0265797387178525
HNSC	MTA1	cg21517792	-0.131811837188235	530	-3.0322292939643	0.00254866039082046	0.0173743604229379	0.0144680740253566
HNSC	MTA1	cg23123838	-0.177561828786071	530	-4.11441213430559	4.51234138286702e-05	0.0315282030418539	0.000485657284918037
HNSC	MTA1	cg23883989	-0.15237890816275	530	-3.51583108263911	0.000476687918291888	0.0232193316528719	0.00359917409115333
HNSC	MTA1	cg23966123	-0.273390655612517	530	-6.48117905193326	2.11582328053963e-10	0.074742450576242	7.92862987891618e-09
HNSC	MTA2	cg00501779	-0.0612329438616318	530	-1.39895108392126	0.162423818500577	0.00374947341396175	0.333042802603873
HNSC	MTA2	cg07654871	0.0744242758521365	530	1.70185441463175	0.0893803813568883	0.00553897283611491	0.219789397751858
HNSC	MTA2	cg09086761	0.00755612639167543	530	0.172311111540266	0.863259990614496	5.7095046046974e-05	0.927319079119913
HNSC	MTA2	cg13708959	-0.145121950584717	530	-3.34469735049701	0.00088317508237957	0.0210603805415131	0.00605283431932308
HNSC	MTA2	cg19570317	-0.167370570204893	530	-3.87124376333298	0.000122068053570442	0.0280129077707111	0.00114301422237108
HNSC	MTA2	cg21002970	0.0908827487338436	530	2.08105778335507	0.0379173829920642	0.00825967401741895	0.117726725430921
HNSC	MTF2	cg05396182	-0.00691956706940591	530	-0.15779418416745	0.874680235760053	4.78804084280067e-05	0.933658696149718
HNSC	MTF2	cg05962718	-0.0251348294495916	530	-0.5733434332866	0.566660042387862	0.000631759651460057	0.735619786695614
HNSC	MTF2	cg09936581	0.0755087927286261	530	1.72679516233005	0.0847983376295506	0.0057015777933462	0.211720966607397
HNSC	MTF2	cg11404133	-0.0130168479964033	530	-0.296854954324522	0.766695784249021	0.000169438331761469	0.870669330840072
HNSC	MTF2	cg14474880	-0.0622037556517219	530	-1.42121609659119	0.155853353283374	0.00386930721717912	0.32404468049302
HNSC	MTF2	cg15463775	-0.122857944442461	530	-2.8229783109239	0.0049402928996355	0.0150940745126268	0.0245402685546417
HNSC	MTF2	cg16813892	-0.053937549002501	530	-1.23175841456684	0.218596063998149	0.00290925919239719	0.40638202463012
HNSC	MTF2	cg19708337	0.102711368792415	530	2.35463274926848	0.0189118171734952	0.0105496252792115	0.0697329559766273
HNSC	MTF2	cg22801127	-0.0409636070096861	530	-0.934898678031639	0.350274454359953	0.00167801709924401	0.549291463120428
HNSC	MTF2	cg23992808	-0.0428541226578225	530	-0.978122912652554	0.3284683614424	0.0018364758287717	0.528082741796521
HNSC	MTF2	cg26054395	-0.0945774932946754	530	-2.16640959807234	0.0307334522878883	0.00894490223790438	0.100448625631627
HNSC	NAP1L2	cg02379437	-0.259922250155931	529	-6.1322039480722	1.71849250909719e-09	0.0675595761261222	5.4322798152258e-08
HNSC	NAP1L2	cg04297329	-0.254233202728758	530	-5.9943662122835	3.82244042579429e-09	0.0646345213697215	1.13022778593302e-07
HNSC	NAP1L2	cg07693661	-0.296372537538203	528	-7.06263132821766	5.28752994567197e-12	0.0878366810068333	2.6418632279615e-10
HNSC	NAP1L2	cg20001978	-0.300377938046936	529	-7.17439305619808	2.52105053848324e-12	0.0902269056653291	1.34509232361071e-10

HNSC	NAP1L2	cg23483095	-0.315706672025319	530	-7.58725605219416	1.51910965773434e-13	0.0996707027613025	9.81541667058016e-12
HNSC	NCOA1	cg11380327	-0.3496489383936	530	-8.51039171772126	1.86281772299945e-16	0.122254380119772	1.75019374327318e-14
HNSC	NCOA1	cg13911252	-0.132341924759897	530	-3.0446404873655	0.00244759286786313	0.0175143850491543	0.0139883226143676
HNSC	NCOA1	cg15477048	0.0161636568389307	530	0.368636244948962	0.712548908744752	0.000261263802406711	0.836484694675136
HNSC	NCOA1	cg23006163	-0.259383729659461	529	-6.11858145591891	1.86122322998357e-09	0.0672799192120525	5.85254648154172e-08
HNSC	NCOA3	cg04175879	-0.12186921138436	530	-2.79991569958806	0.00530166968986306	0.0148521046834458	0.02598767161513
HNSC	NCOA3	cg09568061	0.00632527399589524	530	0.144241324853784	0.885365793345761	4.00090911231485e-05	0.939237256962037
HNSC	NCOA3	cg12128876	0.154280526291045	530	3.56077009330809	0.000403706442157323	0.023802480792642	0.00312777003895895
HNSC	NCOA3	cg14341558	0.0123677605931915	530	0.282049906050938	0.778017461042119	0.000152961502090501	0.877257869682499
HNSC	NCOA3	cg14774045	-0.0698278381747057	530	-1.59621597304733	0.111048095998319	0.00487592698415289	0.256650625759839
HNSC	NCOA3	cg18295930	-0.0580729384341318	530	-1.32650543173744	0.185254604589995	0.00337246617837446	0.363894978019242
HNSC	NCOA3	cg21735648	0.207078027994408	530	4.82672764491436	1.82720322982014e-06	0.0428813096780529	2.91281655861943e-05
HNSC	NCOA3	cg22511723	-0.0978475656353955	530	-2.24202635172324	0.0253804690367216	0.00957414610077303	0.0871798043201483
HNSC	NCOA3	cg22876277	-0.0511920388546372	530	-1.16889071003386	0.24298322629871	0.00262062484209468	0.435524563538128
HNSC	NCOA3	cg24856420	0.012198994663645	530	0.278200579573371	0.78096897409667	0.000148815470803638	0.87902512256028
HNSC	NCOA3	cg25373408	0.0416932281707946	530	0.951579320004573	0.341752454849624	0.00173832527530194	0.540921474518244
HNSC	NCOR1	cg00253204	0.224944984093696	530	5.26445512336356	2.06068337664466e-07	0.0506002458689131	4.1584643995511e-06
HNSC	NCOR1	cg08125503	0.0154720902143353	530	0.352860178092363	0.724336251084651	0.00023938557560053	0.84385992670186
HNSC	NCOR1	cg08206308	0.100564528787173	530	2.30490873431683	0.0215646391818076	0.0101132244501861	0.077134290728755
HNSC	NCOR1	cg21211144	0.178638291044231	530	4.1401752785308	4.04867887281617e-05	0.0319116390272035	0.000442923532881256
HNSC	NCOR1	cg22291359	0.0387479641129161	530	0.884253589690867	0.376967992351709	0.00150140472289583	0.57554703348201
HNSC	NCOR1	cg22625220	0.0281390170338196	530	0.641922502987585	0.521206371940495	0.000791804279629592	0.70131848998943
HNSC	NCOR2	cg08976554	-0.241821581402503	530	-5.68304922913367	2.20648216531536e-08	0.0584776772320075	5.63529460172498e-07
HNSC	NCOR2	cg10641483	-0.0223304189792255	530	-0.509338905194742	0.610730760941234	0.000498647611787756	0.767870007057283
HNSC	NCOR2	cg13416396	-0.107537420329518	530	-2.46653381554078	0.0139641661912239	0.0115642967711275	0.0552501446790801
HNSC	NCOR2	cg13419087	-0.156995631339347	530	-3.62500380907048	0.000317382660227546	0.02464762825964	0.00256231493044227
HNSC	NCOR2	cg13857025	-0.0223750430493743	530	-0.510357253681143	0.610017765256439	0.000500642551461353	0.767345889175368
HNSC	NCOR2	cg16181859	-0.0902566077389396	530	-2.06660206892969	0.0392661439903652	0.00814625524054081	0.120857384988584
HNSC	NCOR2	cg19895345	0.0131052862341081	530	0.29887217259024	0.765156982051896	0.000171748527277904	0.8697089836905
HNSC	NCOR2	cg23611643	-0.12691763855986	529	-2.91495575013914	0.00371104173429603	0.0161080869776113	0.0195319379856997
HNSC	NCOR2	cg24626542	0.0229214981863248	530	0.522827942429045	0.601316679177109	0.000525395079105693	0.761027359600183
HNSC	NCOR2	cg25113767	-0.151779190377406	530	-3.50166687922511	0.000502136797027695	0.0230369226316207	0.00376154890699038
HNSC	NCOR2	cg25449924	0.0662415012556452	530	1.51386365736218	0.13066797072244	0.00438793648860164	0.287184543857541
HNSC	ORC1	cg00298020	-0.00779738061074978	530	-0.177813040572956	0.85893905033081	6.07991443888966e-05	0.925063442333322
HNSC	ORC1	cg02275620	0.0872684743779201	530	1.99764876923494	0.0462752150288471	0.0076157866202497	0.136330155190265
HNSC	ORC1	cg04407474	0.0230874428911518	530	0.526615069785602	0.598685477495819	0.000533030019252197	0.75910516080956
HNSC	ORC1	cg07142859	0.0540373231602411	530	1.23404359888622	0.217744089379161	0.00292003229432433	0.405292108844656
HNSC	ORC1	cg08613513	0.165365691317958	530	3.82355949316952	0.000147485349725382	0.0273458118650661	0.00134271214704932
HNSC	ORC1	cg10586599	0.0591591565267142	530	1.351430322598716	0.177153915514361	0.00349980580095227	0.353372094962159
HNSC	ORC1	cg13460942	0.00671311621733452	530	0.153086052258258	0.878389800008063	4.50659293474398e-05	0.935408422792357
HNSC	ORC1	cg16136434	0.105063014882773	530	2.40913857039446	0.0163368088685238	0.0110382370962578	0.0622901391519847
HNSC	ORC1	cg16965475	0.0834475544753543	530	1.90955722827098	0.0567402310542675	0.00696349434791722	0.158093185554429
HNSC	ORC1	cg17146111	-0.0843812392020447	530	-1.93107540210837	0.0540169331960038	0.00712019352927269	0.152673786551734
HNSC	ORC1	cg19776520	-0.0129202237766642	530	-0.294651027134634	0.768378069626053	0.00016693218243908	0.8716636075083
HNSC	ORC1	cg21197365	0.0581977975545081	530	1.32936715322156	0.184309780933594	0.0033869836401955	0.362744329140791
HNSC	ORC1	cg23606758	0.0442941146187223	530	1.0110535338954	0.312461023294022	0.00196196858985651	0.511512654324092
HNSC	ORC1	cg25605769	0.0890414922426554	530	2.03855573672681	0.0419996995067239	0.00792838734079887	0.126871611984083
HNSC	PADI1	cg14524955	-0.217105631328488	530	-5.07174067894554	5.49276390582142e-07	0.0471348551545412	1.00589471584151e-05
HNSC	PADI1	cg21010178	-0.0204451591939838	530	-0.46631883384818	0.641182584105259	0.000418004534467339	0.789205543216059
HNSC	PADI1	cg22193702	-0.122513721874299	530	-2.81494821113849	0.00506350311450249	0.0150096120474931	0.0250344074590959
HNSC	PADI2	cg00569276	-0.0164192628981747	530	-0.374467281225295	0.708209350869099	0.000269592194119377	0.833687901758625
HNSC	PADI2	cg01603374	-0.019575813095673	530	-0.446482777439202	0.655434423002595	0.000383212458356721	0.799084817300086
HNSC	PADI2	cg07014827	-0.0375945888370138	530	-0.85789499481716	0.391345681611923	0.00141335310982412	0.58844436197147
HNSC	PADI2	cg09313801	0.00190421176285243	530	0.0434227878498539	0.96538118132214	3.62602243778556e-06	0.981774803840441
HNSC	PADI2	cg10233913	0.0227634350976952	530	0.51922072655029	0.603827739279192	0.000518173977446982	0.762759165314522
HNSC	PADI2	cg15185794	0.0584784325728831	530	1.33579942512944	0.182199173152152	0.00341972707618123	0.359846720561541
HNSC	PADI2	cg17183414	-0.00432541411802365	530	-0.0986355403156495	0.921465660434903	1.87092072923983e-05	0.958838426887501

HNSC	PADI2	cg18228326	-0.00452279803195654	530	-0.103136718246855	0.917894225619578	2.04557020378699e-05	0.956783462694949
HNSC	PADI2	cg18879300	0.106616861322427	530	2.44517556799696	0.0148088753679458	0.0113671551182457	0.0577959850741282
HNSC	PADI2	cg19282714	-0.0205325169849713	530	-0.468312152555099	0.639757615161037	0.000421584253738134	0.788349684209623
HNSC	PADI3	cg01459162	-0.277678552695517	530	-6.59125253563789	1.07224003992843e-10	0.0771053786270768	4.27325008535823e-09
HNSC	PADI3	cg12858514	-0.513934674649066	529	-13.6486818538208	1.84504975784156e-36	0.264128849806641	6.58411930557459e-34
HNSC	PADI3	cg14664242	-0.244543408279875	530	-5.75105936610176	1.51439842695132e-08	0.0598014785331377	3.98683963540613e-07
HNSC	PADI3	cg17589397	-0.349383066812915	530	-8.503020289971	1.96968731001013e-16	0.122068527375598	1.84170498311212e-14
HNSC	PADI3	cg18768338	-0.368110334382936	530	-9.02814433904895	3.3947988308144e-18	0.135505218279517	3.83301858119558e-16
HNSC	PADI3	cg21966975	-0.298291708774072	530	-7.12653476365107	3.45511430048032e-12	0.0889779435233558	1.79072059887785e-10
HNSC	PADI4	cg16091981	-0.0501657019509224	530	-1.1453961695061	0.252571952232046	0.00251659765222878	0.44648765996182
HNSC	PADI4	cg18333690	-0.0718579380500508	530	-1.64286009678151	0.101016390099982	0.00516356326080493	0.239960580519649
HNSC	PADI4	cg19159961	-0.00994161575591428	529	-0.226496823432116	0.820904206637198	9.88357238382431e-05	0.90381021046639
HNSC	PADI4	cg21295838	-0.0511022029015493	530	-1.16683407005051	0.243812200114302	0.00261143514139112	0.436512133614405
HNSC	PADI4	cg23228178	0.0158790348849279	530	0.362143365973036	0.717392021979608	0.000252143748876759	0.839482475299061
HNSC	PADI4	cg26918754	-0.0551311961441223	530	-1.25909964063385	0.208559254651076	0.00303944878828169	0.393754608817517
HNSC	PADI6	cg12643633	-0.0477616336162598	530	-1.09037719816798	0.276052023942389	0.00228117364569384	0.472563840123542
HNSC	PADI6	cg16017904	-0.0805409457581267	529	-1.84082961577098	0.0662171547787951	0.00648684394361351	0.176941481086167
HNSC	PARP1	cg00653565	0.021508089491233	530	0.490573383812319	0.623935156405424	0.000462597913562889	0.777236374017671
HNSC	PARP1	cg02088626	-0.0474298266162704	530	-1.08278505058584	0.279405672076059	0.00224958845284947	0.476451387666329
HNSC	PARP1	cg03149313	0.178512692084669	530	4.13716850913423	4.10035768786494e-05	0.0318667812353158	0.000447632930072643
HNSC	PARP1	cg04960271	0.166760368796088	530	3.85672546313795	0.000129331322220777	0.0278090206010074	0.00120004781498606
HNSC	PARP1	cg07113065	-0.111769177420831	530	-2.56479992289648	0.0106030488757208	0.0124923490213292	0.0446156200907519
HNSC	PARP1	cg17661881	-0.0532177186426153	530	-1.21527282232644	0.224813534189627	0.00283212557752456	0.414125873835564
HNSC	PARP1	cg25722198	-0.0341638103662224	530	-0.779509781595262	0.436034101113992	0.00116716593873921	0.629142311411489
HNSC	PARP1	cg26464410	0.0843713111669719	530	1.93084656871121	0.0540453078606617	0.007118518148034	0.152737337149428
HNSC	PARP2	cg01813761	-0.165006985121576	529	-3.81136307666167	0.000154780170696896	0.0272273051389119	0.00139946171538753
HNSC	PARP2	cg10910545	-0.220406742646041	530	-5.15276352272166	3.65092868755668e-07	0.0485791322038382	6.93409048632287e-06
HNSC	PARP2	cg15078479	-0.0500750529115931	530	-1.14332123977929	0.253431320527934	0.00250751092409885	0.447457755138334
HNSC	PARP2	cg15365367	-0.116311466027811	530	-2.67043430738102	0.00781247704932221	0.0135283571295386	0.0352899686200773
HNSC	PARP2	cg18899035	-0.0500946397298735	504	-1.11480868142798	0.265474466674642	0.00250947292966582	0.461195191167643
HNSC	PARP2	cg19540080	-0.101484140373594	530	-2.3262042849786	0.0203911230535811	0.0102990307473674	0.0738882587372625
HNSC	PARP2	cg24595957	0.0432258927556999	530	0.986624186624119	0.324285753151992	0.00186847780452727	0.523696045020054
HNSC	PARP2	cg26206608	0.0274360550570874	530	0.62587391836489	0.531672247597807	0.000752737117095532	0.709303588105772
HNSC	PARP2	cg26430074	-0.0701988134325335	530	-1.60473809523958	0.109158577812775	0.00492787340733564	0.253542005862928
HNSC	PAXIP1	cg02824291	0.0911259035656487	530	2.08667216777479	0.0374043036343023	0.0083039303006559	0.116572896387202
HNSC	PAXIP1	cg12220104	0.0565604263319625	530	1.29184417560983	0.196984970592548	0.00319908182685336	0.379197370732059
HNSC	PAXIP1	cg22583711	-0.0276134249088069	530	-0.629923174073763	0.529021536335455	0.000762501235194315	0.707332747826174
HNSC	PAXIP1	cg24448952	-0.129803010313116	530	-2.98521959879452	0.00296715449876622	0.0168488214863468	0.0163197693069159
HNSC	PAXIP1	cg24452135	0.0243728507733823	530	0.555951661968977	0.578483026443346	0.000594035854821564	0.744733838921022
HNSC	PCGF1	cg03203239	-0.0168452713838453	530	-0.384185801977309	0.700997791317844	0.000283763167995396	0.828680774280358
HNSC	PCGF1	cg08092637	-0.0105838598770426	530	-0.24136265756047	0.80936919551634	0.000112018089896871	0.896987922159672
HNSC	PCGF1	cg27306986	0.0292321069390312	530	0.666879589675432	0.50514484066994	0.000854516076094956	0.68831782301111
HNSC	PCGF2	cg09395368	-0.0741750199075701	530	-1.69612311113838	0.0904610881792644	0.00550193357828842	0.221601766064523
HNSC	PCGF2	cg17902383	0.0617466458821175	530	1.41073204514185	0.15892158054074	0.00381264827769162	0.328234175252724
HNSC	PCGF2	cg20228512	-0.0667549112632688	530	-1.52564929508351	0.12770518949862	0.0044562181777669	0.282600072976707
HNSC	PCGF2	cg25377665	-0.0297824994093267	530	-0.679446879104886	0.497157080292801	0.000886997271066545	0.681656701052172
HNSC	PCGF5	cg03905463	0.0674407115945524	530	1.54139415775232	0.123829179559066	0.00454824958037959	0.276648206387468
HNSC	PCGF5	cg06001881	-0.0744639168033246	530	-1.70276593424933	0.0892094683332234	0.00554487490569244	0.219465516538043
HNSC	PCGF5	cg07421809	-0.10041485643331	530	-2.3014433207071	0.0217610816624443	0.0100831433925222	0.077626631825394
HNSC	PCGF5	cg07424295	0.0562514128436522	530	1.28476382012433	0.199446832644456	0.00316422144690699	0.382227647593003
HNSC	PCGF5	cg08633154	0.0104323928423208	530	0.237908105571132	0.812046081041997	0.000108834820416506	0.898725481620422
HNSC	PCGF5	cg11113644	-0.0794215119205264	530	-1.81682826029007	0.0698189459710604	0.00630777655574231	0.184024905399718
HNSC	PCGF5	cg12783297	-0.125828503688205	530	-2.89231948418916	0.00398427091505648	0.0158328123404127	0.0206863749532912
HNSC	PCGF5	cg15550435	-0.11526988810916	530	-2.64619686594173	0.00838683356330718	0.0132871471046982	0.0372634262507236
HNSC	PCGF5	cg17001035	0.107633392399627	530	2.46876086930794	0.0138785914962485	0.0115849471594521	0.0550081676806463
HNSC	PCGF5	cg20515900	-0.110175724708247	530	-2.52778189854839	0.0117736173206395	0.0121386903149875	0.0484483885660848
HNSC	PCGF5	cg22968329	-0.0267750885341848	530	-0.610784935783035	0.541608838448692	0.000716905366013436	0.716506415029081

HNSC	PCGF5	cg23395902	0.0291259533590696	530	0.66445582081515	0.506693149349341	0.000848321159074698	0.68964102085707
HNSC	PCGF5	cg25390656	-0.0313175810306063	530	-0.714501199380118	0.475237931861693	0.000980790881608589	0.663035870495621
HNSC	PCGF6	cg01917164	-0.154853104263194	530	-3.57430916183045	0.000383860130994152	0.0239794838999475	0.00300181091983907
HNSC	PCGF6	cg06691148	-0.0690566224701978	530	-1.57850156819931	0.115058522232434	0.00476881710699143	0.2629272743849786
HNSC	PCGF6	cg11612727	0.0542199659078568	530	1.23822686577309	0.216190669552597	0.00293980470304915	0.403450098907978
HNSC	PCGF6	cg11814370	-0.0314792511792563	530	-0.718193304506705	0.4729606534672	0.00099094325480671	0.661024290884127
HNSC	PCGF6	cg14409890	-0.167718344743939	530	-3.87952028296667	0.000118101839515278	0.0281294431636467	0.0011117636136558
HNSC	PCGF6	cg16113748	-0.0589488635757373	530	-1.34658261393168	0.178701322018284	0.00347496851687088	0.355335834914392
HNSC	PCGF6	cg16382383	-0.0625956215717388	530	-1.4302044607451	0.153258920569472	0.00391821183995233	0.320440359792014
HNSC	PCGF6	cg24418712	-0.0707132520495579	530	-1.61655699617916	0.106580404942525	0.0050003640154243	0.249217454739081
HNSC	PCGF6	cg25481680	0.00906380500843822	530	0.206695045008287	0.836328935192973	8.21525612309898e-05	0.91237908327257
HNSC	PCGF6	cg26155979	0.018399511397759	530	0.419644454244655	0.674918525631604	0.000338542019676264	0.812061578302013
HNSC	PCGF6	cg27217148	0.105818650237325	530	2.42666111259662	0.0155773300993686	0.0111975867380494	0.0601291385682615
HNSC	PHC1	cg02770112	-0.0452772158675794	530	-1.0335393118584	0.301832009041627	0.00205002627671938	0.500248478628703
HNSC	PHC1	cg08021945	-0.156960601808241	530	-3.62417455042791	0.000318377244495506	0.0246366305200051	0.00256874500708187
HNSC	PHC1	cg08867249	-0.0485888939609999	530	-1.10930750162071	0.267810303679858	0.0023608806163533	0.463534792072062
HNSC	PHC1	cg09059548	-0.038528780329818	530	-0.879244216668754	0.379674992733944	0.00148446691370337	0.578170856687633
HNSC	PHC1	cg09912793	-0.203322101938763	530	-4.73537014071347	2.82383057165455e-06	0.0413398771367968	4.28638196080573e-05
HNSC	PHC1	cg12581035	0.040366881103362	530	0.921257410063127	0.357343254667019	0.00162948509001296	0.556227963375207
HNSC	PHC1	cg14199415	0.0758949948117787	530	1.73567817532772	0.0832131327538734	0.00576005023747991	0.208733063814394
HNSC	PHC2	cg06899053	-0.0215881362521914	530	-0.492400002867006	0.622644422771434	0.00046604762684318	0.776486433771195
HNSC	PHC2	cg13640100	-0.00461785416587507	530	-0.105304399524328	0.916174878916015	2.13245770972897e-05	0.955746832370864
HNSC	PHC2	cg15586632	0.0598331057148429	530	1.3668535968725	0.17226183380627	0.00358000053948357	0.346734381203264
HNSC	PHC2	cg16558908	-0.00866851329158641	530	-0.197679943827907	0.843372731771169	7.51431226864102e-05	0.916344338543923
HNSC	PHC2	cg17161743	-0.00995374680536743	530	-0.226991595013015	0.820519486869409	9.90770754653623e-05	0.903501719224883
HNSC	PHC2	cg19746874	0.12032035214168	530	2.7638048917306	0.00591578536844472	0.0144769871394979	0.0283661616711531
HNSC	PHC2	cg21198021	0.106469176319565	530	2.44174966434415	0.0149484913670672	0.0113356855061667	0.0582253672146667
HNSC	PHC2	cg21578869	0.142231936966342	530	3.27670022280418	0.00112038985449386	0.0202299238931976	0.00738039399041397
HNSC	PHC2	cg23886755	0.0343118832543543	529	0.782139165546764	0.4344894735893	0.00117730533246044	0.6279866229724
HNSC	PHF1	cg01097444	0.0209835996949594	530	0.478605073295783	0.632420777354626	0.0004403114561583	0.783338052112774
HNSC	PHF1	cg02776641	-0.0342443734910886	529	-0.780598472396159	0.435394566465202	0.00117267711579717	0.628668331153967
HNSC	PHF1	cg03560363	-0.0351923800965843	530	-0.803007156432394	0.422337472487242	0.00123850361686247	0.61740714713281
HNSC	PHF1	cg03876174	-0.0286706364273222	530	-0.654059977207727	0.513362309636919	0.000822005393147696	0.695024808495245
HNSC	PHF1	cg06618123	0.0243221943160425	530	0.554795489093214	0.579273101343621	0.000591569136347329	0.745364158287859
HNSC	PHF1	cg06919790	0.0360115802493	530	0.821723368606771	0.411610949501009	0.00129683391205177	0.607319905361759
HNSC	PHF1	cg07857404	-0.0376567639380223	528	-0.857661698912017	0.391475933855084	0.00141803187028394	0.58854920858677
HNSC	PHF1	cg08665801	-0.0275125729801486	530	-0.627620772990155	0.530527899552549	0.000756941671988003	0.708396481656529
HNSC	PHF1	cg08798692	0.038243055865799	529	0.871874716906171	0.383679875071025	0.00146253132195463	0.581888920972323
HNSC	PHF1	cg10033570	0.0141242580492484	530	0.322114770201997	0.747495203593205	0.000199494665441758	0.858322877942428
HNSC	PHF1	cg10797813	-0.0685927024806855	530	-1.56784695046543	0.117525147615612	0.00470495883360384	0.266961965318008
HNSC	PHF1	cg13303256	-0.073485957741732	530	-1.68028071797148	0.0935032906581094	0.00540018598521963	0.227033164621208
HNSC	PHF1	cg13528777	-0.0587962796025869	530	-1.34308499574745	0.17983034706073	0.00345700249510557	0.356853353550555
HNSC	PHF1	cg13547657	0.144075916880375	530	3.32007595123465	0.000963079860836779	0.0207578698249206	0.00650702055705545
HNSC	PHF1	cg18443095	-0.0455934770191372	530	-1.04077356551497	0.298464306417297	0.00207876514669459	0.496653967551297
HNSC	PHF1	cg20135607	0.00433438496308728	530	0.0988401128103	0.92130330850613	1.87868930082372e-05	0.958765807302731
HNSC	PHF1	cg20872639	-0.0258531533139513	530	-0.589739721091118	0.555621312217063	0.000668385536274671	0.727064833685689
HNSC	PHF1	cg23345642	0.0822735659853755	530	1.8825080715768	0.0603251375382296	0.00676893965994994	0.165311000279002
HNSC	PHF1	cg23718418	-0.0989405913861867	529	-2.26513640647078	0.0239157112225037	0.00978924062384835	0.0833818329603126
HNSC	PHF1	cg24796663	-0.07310405565212	529	-1.6698933729188	0.0955434241313125	0.00534420295278825	0.230478623736281
HNSC	PHF1	cg26673053	-0.0643475946222223	530	-1.4703982537921	0.142058731132927	0.00414061293366585	0.304351764747732
HNSC	PHF10	cg04353997	-0.133356403197814	530	-3.06840037876035	0.00226430171674159	0.017783930273858	0.0131405511191492
HNSC	PHF10	cg05243705	-0.0594202613479614	530	-1.3573888660044	0.175246495927046	0.00353076745866004	0.350853794789836
HNSC	PHF10	cg05736120	-0.0852261742557458	530	-1.95055261991404	0.051647106012351	0.00726350077827074	0.147747112051365
HNSC	PHF10	cg07652237	-0.125655384790447	530	-2.88827625447768	0.00403501770391748	0.0157892757268352	0.0208876874672981
HNSC	PHF10	cg11442717	-0.21829960542074	530	-5.10102444992635	4.74188303103164e-07	0.0476547177268508	8.78937451789552e-06
HNSC	PHF10	cg15342139	-0.0582268232087601	530	-1.3300324186594	0.184090650835548	0.00339036294098421	0.362450599592544
HNSC	PHF10	cg15360169	-0.100120215049449	530	-2.29462185205814	0.0221523348361751	0.010024057461548	0.07864008105528

HNSC	PHF10	cg16740543	-0.0136785187491262	530	-0.311947402927425	0.755205535011111	0.000187101875170196	0.863380595627351
HNSC	PHF10	cg27124293	-0.134405216677121	530	-3.09297474910103	0.00208806688194284	0.0180647622700239	0.0123125198979657
HNSC	PHF11	cg00092518	-0.165307221121755	530	-3.82216956596204	0.000148296362009496	0.027326477354997	0.00134879090280634
HNSC	PHF11	cg01214340	-0.119253664263664	530	-2.73894757188892	0.00637514123346693	0.0142214364403108	0.0300802633398902
HNSC	PHF11	cg02289189	-0.112205549461769	530	-2.57494090702458	0.0103010395571005	0.0125900853300175	0.0436076165413121
HNSC	PHF11	cg05080330	-0.085034642640466	530	-1.94613711415706	0.052176557471263	0.00723089044899175	0.148840273987732
HNSC	PHF11	cg09997676	-0.171590136336608	530	-3.97176465925223	8.14009995737295e-05	0.0294431748880157	0.000805970390841124
HNSC	PHF11	cg16956501	-0.125797526062822	530	-2.89159597526347	0.00399330880180974	0.0158250175635263	0.0207174458553199
HNSC	PHF11	cg21320768	-0.215330933260177	530	-5.02825799057674	6.82362854362991e-07	0.0463674108186989	1.21807562855242e-05
HNSC	PHF11	cg23137039	0.0013447716605405	530	0.0306655397223203	0.975548039487509	1.80841081899286e-06	0.987133156227043
HNSC	PHF11	cg24481868	-0.108707943082009	530	-2.49370084576097	0.0129515223793898	0.0118174168891213	0.0521938837537429
HNSC	PHF11	cg24984523	-0.163743801265126	530	-3.78501996525206	0.000171599418705726	0.026812032452753	0.00152721715808182
HNSC	PHF11	cg25162948	-0.155483346723317	530	-3.5892160208547	0.000363068281623209	0.0241750711082831	0.00286688326234225
HNSC	PHF12	cg01406758	0.0878485899258217	530	2.01103103697802	0.0448377760394014	0.00771737475195518	0.133213122133595
HNSC	PHF12	cg02058367	0.0600446328993716	530	1.37170327026328	0.170747364884707	0.0036053579400203	0.344631204209347
HNSC	PHF12	cg06895197	0.15485886508774	530	3.57444539990453	0.000383665154626435	0.0239812680962629	0.00300058781934341
HNSC	PHF12	cg08657247	-0.109334786404613	530	-2.50825375746049	0.0124363211298382	0.0119540955181423	0.0505550068440525
HNSC	PHF12	cg08806622	0.0283703338202134	530	0.647203660198948	0.517785740115971	0.000804875841070342	0.698673509905501
HNSC	PHF12	cg13564075	-0.0196453607651374	530	-0.448069623616412	0.654289571179107	0.000385940199592402	0.79830305678023
HNSC	PHF14	cg06715026	-0.0886332851536297	530	-2.02913588970424	0.0429533244200095	0.00785585923712464	0.128966071784262
HNSC	PHF14	cg07287563	-0.190486538988087	530	-4.42477998389356	1.1767143408568e-05	0.03628512153566	0.000151058276291441
HNSC	PHF14	cg07574654	-0.107632970765064	530	-2.46875108502913	0.0138789664400304	0.0115848563957132	0.0550081676806463
HNSC	PHF14	cg11931558	-0.295776226740266	530	-7.06064849456387	5.33410935885738e-12	0.0874835763047092	2.6617171485757e-10
HNSC	PHF14	cg13029706	-0.195586767476027	530	-4.54790084998832	6.74856736313013e-06	0.0382541836117215	9.25106695061401e-05
HNSC	PHF14	cg16800461	-0.188335631904358	530	-4.37296866261722	1.48117215078394e-05	0.0354703102448138	0.00018433259686144
HNSC	PHF14	cg20819769	0.0496645974648866	530	1.13392638962944	0.257347906181641	0.00246657224134922	0.451819521857247
HNSC	PHF14	cg20964328	-0.115692941047739	530	-2.65604020503148	0.00814915671130189	0.0133848566082755	0.036444696590918
HNSC	PHF14	cg22876561	-0.0875764168327569	530	-2.00475221601504	0.0455074350118561	0.00766962878526478	0.134705886355631
HNSC	PHF14	cg23083824	-0.19492938479841	530	-4.53201016983076	7.25588081238211e-06	0.0379974650578865	9.84244100991201e-05
HNSC	PHF14	cg24491907	0.0482097658736719	530	1.10063158381725	0.271566263324907	0.00232418152559426	0.467870529501213
HNSC	PHF19	cg11054680	-0.128276198572372	524	-2.9324490515507	0.00351296072795052	0.0164547831201786	0.0186974062526266
HNSC	PHF19	cg11594303	0.0324191772997929	530	0.739659779710761	0.459840238747405	0.00105100305679541	0.649658788557235
HNSC	PHF19	cg13501527	-0.0543813539086039	530	-1.24192341563263	0.214824660831805	0.00295733165293283	0.401749854872081
HNSC	PHF19	cg13793166	-0.219989833567984	465	-4.81567084709718	1.99946359337948e-06	0.0483955268732695	3.15894132378886e-05
HNSC	PHF19	cg13851767	-0.00560462291345486	530	-0.127807073598128	0.898351062126746	3.14117980020232e-05	0.94625111740533
HNSC	PHF19	cg13852822	0.0267422304960738	530	0.6100348517564	0.542105208417194	0.000715146891905141	0.716840537060714
HNSC	PHF19	cg14218513	-0.110937879387094	530	-2.54548528434989	0.0112001807907026	0.0123072130829055	0.0465715358614525
HNSC	PHF19	cg27207079	-0.0161632136239367	530	-0.368626134130059	0.7125564415511	0.000261249474653013	0.836484694675136
HNSC	PHF20	cg01512265	-0.054297650644285	529	-1.23881331469868	0.215974614249185	0.00294823486548882	0.40318509168989
HNSC	PHF20	cg02674305	0.00273462263643108	528	0.062239186590614	0.950396364070065	7.47816096368125e-06	0.973791698998573
HNSC	PHF20	cg02957488	-0.108111845572697	530	-2.47986452732867	0.0134588246586133	0.0116881711531347	0.0537427269013533
HNSC	PHF20	cg04179482	0.161253152800388	530	3.72589818509818	0.000215931953558568	0.0260025792880653	0.00185022694075727
HNSC	PHF20	cg09692677	-0.15799022527127	529	-3.64504491316068	0.000294268340021339	0.0249609112812665	0.00240636880249198
HNSC	PHF20	cg10372813	-0.299401709045318	530	-7.15565993931912	2.84873896776021e-12	0.0896413833792571	1.50349253227909e-10
HNSC	PHF20	cg21765224	-0.0629172562711123	529	-1.43619944713399	0.151548063692248	0.00395858113668481	0.317939917123991
HNSC	PHF20	cg23538717	0.102422555204371	530	2.34794147616417	0.0192512661222024	0.0104903798145925	0.0706463982598525
HNSC	PHF20	cg23734815	-0.0436116930999626	530	-0.995446724720151	0.319982025763254	0.00190197977504533	0.519376600572245
HNSC	PHF20	cg25561939	0.205101202318162	530	4.77861671796399	2.29998746962188e-06	0.0420665031923554	3.57207476964992e-05
HNSC	PHF20	cg27405321	0.0307502650240522	529	0.696807750550336	0.486238736335357	0.000945578799049448	0.672745411536678
HNSC	PHF20L1	cg02898212	0.122201547976528	530	2.8076666416549	0.00517762962864109	0.0149332183278597	0.0254881047478646
HNSC	PHF20L1	cg05307234	-0.114690682244168	530	-2.6327226208733	0.00872226157386521	0.0131539525936328	0.0383676075539691
HNSC	PHF20L1	cg10591701	-0.185563270260165	530	-4.30628377751101	1.98501247077622e-05	0.034433727269647	0.00023775528891696
HNSC	PHF20L1	cg17646969	-0.114523229108245	530	-2.62882761446637	0.00882143884807042	0.0131155700053796	0.0387255241660623
HNSC	PHF20L1	cg24511731	-0.115040917815604	530	-2.6408699331015	0.00851803411777488	0.0132344127718565	0.0377020907008522
HNSC	PHF20L1	cg26292018	0.104517572048539	530	2.39649283817957	0.0169050011263878	0.0109239228669216	0.0639395010514496
HNSC	PHF20L1	cg27342122	-0.0283764805454724	530	-0.64734399653324	0.51769500270333	0.000805224648147576	0.698575307285266
HNSC	PHF21B	cg01775414	-0.121092695864421	530	-2.78180908647007	0.005601987000521	0.0146634409917132	0.0271669657378583

HNSC	PHF21B	cg01995480	-0.107225353097195	530	-2.45929270613086	0.0142456437038439	0.0114972763468182	0.0560842918166414
HNSC	PHF21B	cg05064352	-0.15566285033421	529	-3.5900056497035	0.000362059066839528	0.0242309229741707	0.00285949472545322
HNSC	PHF21B	cg10080155	-0.0701882098375257	530	-1.6044944979371	0.109212231745401	0.00492638480019653	0.253628764594954
HNSC	PHF21B	cg11428482	-0.0562909648188919	530	-1.28567004478718	0.199130483312436	0.00316867272024173	0.381860384475898
HNSC	PHF21B	cg14786713	-0.0917066815907728	530	-2.10008371244612	0.0362026022771198	0.00841011544839139	0.11372558315381
HNSC	PHF21B	cg15679813	-0.0874583413724826	530	-2.00202844804566	0.045800552779378	0.0076489614756257	0.135332693947004
HNSC	PHF21B	cg20495645	-0.0916399355814253	529	-2.09652347867605	0.0365192749262718	0.00839787779336777	0.114495646379494
HNSC	PHF21B	cg20525183	-0.0817161440314979	530	-1.8696676201508	0.0620917237501001	0.00667752819537651	0.168840698990363
HNSC	PHF21B	cg21715212	-0.0581016174342087	530	-1.32716273750628	0.185037271827939	0.00337579794847115	0.363589122559743
HNSC	PHF21B	cg23080354	-0.0835434595256252	530	-1.91176727053988	0.0564553534323481	0.00697950962950978	0.157520032878653
HNSC	PHF21B	cg25561581	-0.0639171964011258	530	-1.46052280067788	0.144750363929378	0.00408540799578009	0.308267672575818
HNSC	PHF21B	cg25976257	-0.0902468840023686	530	-2.06637759659473	0.0392874059713321	0.00814450007213697	0.120902433177237
HNSC	PHF23	cg00039960	0.0618313963620009	530	1.41267577419639	0.158349299801601	0.00382312157607486	0.327466250964053
HNSC	PHF23	cg01441172	-0.0647457452075866	530	-1.47953452099347	0.139603053926103	0.00419201152248573	0.300722156978658
HNSC	PHF23	cg04379155	-0.104189717068129	530	-2.38889278964461	0.0172547892188199	0.0108554971427369	0.0650033449147154
HNSC	PHF23	cg11180288	-0.0499118730631475	530	-1.13958617261881	0.254983405432071	0.00249119507267175	0.449282258209175
HNSC	PHF23	cg13351208	0.0160881746981955	530	0.366914315684344	0.713832192883449	0.000258829365119658	0.837124716669098
HNSC	PHF23	cg22033559	-0.0558681111047526	530	-1.2759818293389	0.202531584780046	0.00312124583841298	0.38617014966615
HNSC	PHF23	cg26213471	-0.160126521673118	530	-3.69917885887116	0.000239324816586113	0.0256405029431317	0.00201777769388751
HNSC	PHF23	cg26784276	0.0329800880995881	530	0.752471056909489	0.452108314241342	0.00108768621105659	0.642620195745665
HNSC	PHIP	cg01492710	0.128596865401969	530	2.95701192306648	0.00324754799343917	0.016537153791212	0.0175553991106669
HNSC	PHIP	cg04480383	-0.195516069383994	530	-4.54619158443027	6.80145788495742e-06	0.0382265333873668	9.31700325237502e-05
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HNSC	PHIP	cg15564972	-0.130119507061007	530	-2.99262362098928	0.0028973207596719	0.0169310861177993	0.0160035622818742
HNSC	PHIP	cg19494004	-0.250133771177361	530	-5.89120128377362	6.89208872406178e-09	0.0625669034834082	1.94897546419361e-07
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HNSC	PHIP	cg21607066	0.0584268871447446	530	1.33461795859645	0.182585491528439	0.00341370114142472	0.360417552092449
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HNSC	PHIP	cg26363168	-0.0480089375312678	530	-1.09603604759584	0.273570342892177	0.00230485808288118	0.469937514630814
HNSC	PHRF1	cg06063517	0.0371816445885829	530	0.848458637632152	0.39657299069433	0.0013824746943117	0.5931730271648
HNSC	PHRF1	cg07530960	-0.132232152522966	530	-3.04207011966104	0.00246821697458967	0.0174853421608569	0.014086630461642
HNSC	PHRF1	cg08482978	-0.179375523162811	530	-4.15782842708358	3.75754838720287e-05	0.0321755783099321	0.000414513215022774
HNSC	PHRF1	cg12469954	-0.263058018257767	530	-6.21763060713901	1.03715391507717e-09	0.0691995209697036	3.42172823025925e-08
HNSC	PHRF1	cg12813709	-0.114774476415722	530	-2.63467178190443	0.00867300687399358	0.0131731804365032	0.0382097574332006
HNSC	PHRF1	cg15219216	0.0565560806933992	530	1.29174460240867	0.197019437115884	0.00319859026339828	0.379238651267922
HNSC	PHRF1	cg16143007	-0.130469401702754	530	-3.0008100258078	0.00282186141571647	0.0170222647806747	0.0156813977408563
HNSC	PHRF1	cg18793109	-0.204326761183991	530	-4.75978546668481	2.51543330165515e-06	0.0417494253359397	3.86654057042009e-05
HNSC	PHRF1	cg20152424	0.197324766738409	530	4.58994366729607	5.56517213266994e-06	0.0389370635683676	7.82746340424743e-05
HNSC	PHRF1	cg21006161	-0.0932376929121951	530	-2.13544879763474	0.0331909556255206	0.00869326737958881	0.106459025395058
HNSC	PPARGC	cg04893087	-0.0443627156998365	530	-1.012622501512	0.311711443542597	0.00196805054426452	0.510575652481425
HNSC	PPARGC	cg05158538	-0.150609960650041	527	-3.46402741175117	0.000576333018539067	0.0226833602470069	0.00422854388797776
HNSC	PPARGC	cg11270806	-0.0987397643521487	530	-2.26267006947891	0.0240677336936104	0.00974954106431786	0.0837467135555184
HNSC	PPARGC	cg12691631	-0.196287947648587	530	-4.56485725793634	6.24481093470365e-06	0.0385289583920946	8.64890193794438e-05
HNSC	PPARGC	cg20723350	-0.11935607860919	530	-2.74133374245575	0.00632968878627758	0.0142458735009633	0.0299179684747155
HNSC	PPARGC	cg27461259	-0.0822233786475371	530	-1.88135191225533	0.0604824707545434	0.00676068399621625	0.165605143245071
HNSC	PPARGC	cg27514608	-0.136252944496531	529	-3.13327688296481	0.00182633419110799	0.0185648648839747	0.0110395346881742
HNSC	PRDM1	cg00555933	-0.0555567495649956	530	-1.26884850811157	0.20506277397394	0.0030865524222764	0.38928820273778
HNSC	PRDM1	cg01761420	-0.0196641137932904	530	-0.448497506371652	0.653981008734808	0.000386677371275472	0.798051742643382
HNSC	PRDM1	cg05170275	-0.0194803431606555	530	-0.444304482054852	0.65700730691287	0.000379483769656899	0.800213339710355
HNSC	PRDM1	cg08742502	0.0784089576768558	530	1.79352108509413	0.0734705723069095	0.00614796464397096	0.191029042780488
HNSC	PRDM1	cg14359052	0.0896508348403138	530	2.05261894432924	0.0406094714291004	0.00803727218756523	0.123699957725652
HNSC	PRDM1	cg17143179	0.0400725030666201	530	0.914528236625988	0.360863207989335	0.00160580550202428	0.559780506526866
HNSC	PRDM1	cg17521665	0.0799083604042249	530	1.82803664575681	0.0681168344384496	0.0063853460624915	0.180763466426906
HNSC	PRDM1	cg17965230	0.00175514098675325	530	0.0400234340601459	0.968089805079181	3.08051988338118e-06	0.983292326313032

HNSC	PRDM1	cg19464016	0.00785412459233306	530	0.179107121317051	0.857923354150855	6.16872731118909e-05	0.92449702754892
HNSC	PRDM1	cg22186515	0.00804072652111695	530	0.183362703182589	0.854584911123221	6.46532829873935e-05	0.922432825173713
HNSC	PRDM1	cg22196848	-0.038055920581282	530	-0.868437595093556	0.385555442193263	0.00144825309128884	0.58356291788925
HNSC	PRDM1	cg24040346	0.00501536420205259	530	0.114369338647292	0.90898916397459	2.51538780792306e-05	0.951621147492173
HNSC	PRDM1	cg24793124	-0.0505967742291116	530	-1.1552636758284	0.248513033685806	0.00256003356239169	0.441862796666596
HNSC	PRDM1	cg24874254	0.0792491118015267	530	1.81285952231535	0.0704299723898377	0.00628042172133088	0.185202449705754
HNSC	PRDM1	cg26351406	-0.00979178462833717	530	-0.223297749066075	0.823391470497557	9.587904620774e-05	0.904986098557317
HNSC	PRDM10	cg04181189	-0.014237536530797	530	-0.324698696417045	0.745539702641168	0.000202707446465778	0.85707869997439
HNSC	PRDM10	cg17627813	0.0838218203202816	530	1.91818213814704	0.055635223028967	0.00702609756180558	0.155804260063914
HNSC	PRDM12	cg09191327	0.0536802691580274	530	1.22586595841518	0.220803995480884	0.00288157129687826	0.409059488103446
HNSC	PRDM12	cg12539975	0.147141181577508	530	3.39225821909077	0.000745990126022352	0.0216505273160252	0.00525761513533093
HNSC	PRDM12	cg13795948	0.18585050770613	530	4.31318785374347	1.92608241735816e-05	0.0345404112146263	0.00023169577172717
HNSC	PRDM12	cg13928649	0.0125594210365611	530	0.286421455203192	0.77466942107914	0.000157739056773613	0.875083946091106
HNSC	PRDM12	cg23342516	0.115203559023003	529	2.64210953350717	0.0084878212085364	0.0132718600115664	0.037611162172299
HNSC	PRDM13	cg00126261	0.241070139351928	530	5.664298176288	2.44615758241581e-08	0.0581148120871577	6.16244763492408e-07
HNSC	PRDM13	cg00579292	-0.055507837533575	530	-1.26871183445592	0.205111495461762	0.00308588957561229	0.389361989164547
HNSC	PRDM13	cg01422797	0.100784165064102	530	2.30999433209139	0.0212791576625009	0.0101574479276682	0.076348620569901
HNSC	PRDM13	cg01815538	-0.098291154251475	530	-2.25228943148236	0.0247202689429756	0.00966115100408726	0.0854706045399931
HNSC	PRDM13	cg02400433	-0.110072815893943	530	-2.5253918715477	0.0118530016175607	0.012116024798822	0.0487018593766444
HNSC	PRDM13	cg03120185	0.125902306037729	530	2.89404323580274	0.0039628132589365	0.0158513906656179	0.0206118537645786
HNSC	PRDM13	cg04910970	0.220096845224373	530	5.14514950500463	3.79466588162788e-07	0.0484426212777215	7.18953330724207e-06
HNSC	PRDM13	cg11809464	-0.126961638042643	530	-2.91879073296036	0.00366613610018379	0.016119257534471	0.0193397566812028
HNSC	PRDM13	cg13738144	-0.18744471226126	530	-4.35152723610586	1.62806232539809e-05	0.0351355201547067	0.000200116101346214
HNSC	PRDM13	cg14344102	-0.0639780899275793	530	-1.46191994799341	0.144367197744355	0.00409319599078142	0.30765122564941
HNSC	PRDM13	cg17879189	-0.15886566661528	530	-3.66929384939507	0.000268306690882185	0.0252383000291172	0.00222356990630539
HNSC	PRDM13	cg17978124	0.0928004287050727	530	2.1253468114976	0.0340284659874864	0.00861191956784529	0.108443344518066
HNSC	PRDM13	cg25273233	-0.183097378040422	530	-4.24706009410585	2.56630432336412e-05	0.0335246498452774	0.00029779695485052
HNSC	PRDM13	cg25924096	-0.00892366636818134	530	-0.203499004555189	0.83882463248492	7.96318214506108e-05	0.913712557892014
HNSC	PRDM13	cg26507427	-0.0521234627405818	530	-1.19021574744115	0.234504694499211	0.00271685536806882	0.425474221700951
HNSC	PRDM14	cg00384539	-0.0416343663493966	530	-0.950233561383331	0.342435016905046	0.00173342046131577	0.541649174598656
HNSC	PRDM14	cg01295203	-0.0831099434119035	530	-1.90177772147976	0.0577525812463746	0.0069072626939298	0.160073510624402
HNSC	PRDM14	cg04838988	-0.0832929928987166	530	-1.90599561358014	0.0572018523066189	0.00693772266602566	0.159001499185162
HNSC	PRDM14	cg09050331	0.123291453648092	530	2.83309278117349	0.00478897307005564	0.0152007825426596	0.0239567610643805
HNSC	PRDM14	cg10457247	-0.061901223088277	530	-1.41427725409335	0.157878962428955	0.00383176141982463	0.326814789768007
HNSC	PRDM14	cg11229513	0.0558263327753657	530	1.2750246623631	0.202869893707984	0.00311657943114587	0.386655014063281
HNSC	PRDM14	cg13267264	-0.025791007285809	530	-0.58832115503901	0.556572180511106	0.000665176056816655	0.727929527255443
HNSC	PRDM14	cg18035229	-0.095474270447669	530	-2.18713941366478	0.0291770342317436	0.00911533631751464	0.0967271030863489
HNSC	PRDM14	cg21255438	-0.0607941136993746	530	-1.38888807707779	0.165461327335638	0.00369592426049248	0.337552736442154
HNSC	PRDM14	cg27029821	-0.0558197616117332	530	-1.27487411361299	0.20292314243971	0.00311584578639073	0.386727166657393
HNSC	PRDM4	cg00090609	-0.0926505866752973	530	-2.12188534089617	0.0343195784972945	0.00858413121127678	0.109169827020712
HNSC	PRDM4	cg03909902	-0.20511806628376	530	-4.77902688494098	2.2954985197655e-06	0.042073421115989	3.56652709899416e-05
HNSC	PRDM4	cg12900929	0.0770337770326419	530	1.761875832358	0.0786778250618616	0.00593420280391479	0.200490674104902
HNSC	PRDM4	cg18440127	-0.0759164872021404	530	-1.7361725436632	0.0831256230110209	0.00576331302911274	0.208582425005152
HNSC	PRDM4	cg25995916	0.0454193123825894	530	1.03678963205325	0.300315788612165	0.00206291393730723	0.498613315699756
HNSC	PRDM4	cg27140793	0.0573138077304956	530	1.30910779662937	0.191076023399914	0.00328487255656822	0.371512038298791
HNSC	PRDM5	cg05713693	-0.251028965608292	530	-5.91370034747176	6.06499000707398e-09	0.0630155415743688	1.73017907081156e-07
HNSC	PRDM5	cg06329345	-0.230294251096585	530	-5.39657113409415	1.03383700339651e-07	0.0530354420881369	2.23966348766995e-06
HNSC	PRDM5	cg07070341	-0.297419431288705	530	-7.10366944955103	4.01856161797654e-12	0.0884583181080965	2.05400776944065e-10
HNSC	PRDM5	cg10416963	-0.245359566835528	530	-5.77148075768549	1.35158645535692e-08	0.0602013170377177	3.58980255063286e-07
HNSC	PRDM5	cg11171429	-0.217288625282112	530	-5.07622728998475	5.37068797546064e-07	0.0472143466769901	9.85394576327796e-06
HNSC	PRDM5	cg13155001	-0.311957339104017	530	-7.48737075996105	3.02937362119052e-13	0.0973173814208585	1.85710867995977e-11
HNSC	PRDM5	cg18181323	-0.297141757898449	530	-7.09639479895366	4.21608384307327e-12	0.0882932242869807	2.14510154668438e-10
HNSC	PRDM5	cg19294653	-0.305720237003562	530	-7.32206430260041	9.34729031189763e-13	0.0934648633135138	5.28845892744556e-11
HNSC	PRDM5	cg22135105	-0.332064947031541	530	-8.02776937812185	6.66099762005824e-15	0.11026712904706	5.10527732861883e-13
HNSC	PRDM8	cg01304890	-0.0287049324480529	530	-0.654843013254299	0.512858383502478	0.000823973146847283	0.694640966193445
HNSC	PRDM8	cg02895669	0.00896870742824104	530	0.204526222067883	0.838022328909795	8.0437712933386e-05	0.913324587492415
HNSC	PRDM8	cg04343891	-0.0435650281835018	530	-0.99437956101684	0.320500598887819	0.00189791168062931	0.519919390744804

HNSC	PRDM8	cg05007549	0.349864510233587	530	8.51637027853248	1.78036882310931e-16	0.122405175520988	1.67881226939353e-14
HNSC	PRDM8	cg07462804	-0.0477874462042603	530	-1.09096783669968	0.275792282782079	0.00228364001472507	0.472233505309996
HNSC	PRDM8	cg08074201	-0.0498508681835632	530	-1.13818983913784	0.255565342297996	0.002485109058655	0.449847276647893
HNSC	PRDM8	cg10695325	0.050655568774132	530	1.15660956872326	0.247962977818457	0.00256598664783082	0.441298313881979
HNSC	PRDM8	cg11571772	-0.05761945105954	530	-1.3161122054844	0.188716247301369	0.00332000114040272	0.368444814468831
HNSC	PRDM8	cg12572049	0.0804111916135655	530	1.8396143730268	0.0663947131816805	0.00646595973671355	0.177294144690065
HNSC	PRDM8	cg14489346	-0.0674007126901362	530	-1.54047578776801	0.124052702140813	0.00454285607113829	0.277019389903261
HNSC	PRDM8	cg15656813	-0.0241441547746945	530	-0.550731983987564	0.582053934589935	0.000582940209784403	0.747298385719062
HNSC	PRDM8	cg16117799	-0.0463302764228713	530	-1.05762855903221	0.290715885543853	0.00214649451341966	0.488328365685628
HNSC	PRDM8	cg18624348	-0.067025932209038	530	-1.53187123534478	0.126162335683459	0.00449247558849056	0.280235066732119
HNSC	PRDM8	cg19595012	-0.0907327425749128	530	-2.07759436580568	0.0382368774101283	0.0082324305751654	0.118415590813834
HNSC	PRDM8	cg20142271	-0.0858833370362138	530	-1.96570428963258	0.0498644716378882	0.00737594758047588	0.14400849042573
HNSC	PRDM8	cg26162932	-0.0911796335875776	530	-2.08791283131175	0.0372917265610618	0.00831372558116492	0.116294098295969
HNSC	PRKAA1	cg00301775	-0.143363804932599	530	-3.30332086471737	0.00102124093367018	0.0205531805647524	0.00682881358036254
HNSC	PRKAA1	cg01883943	-0.239389272136821	530	-5.62239387217185	3.07696329383392e-08	0.057307223614197	7.57018603670195e-07
HNSC	PRKAA1	cg03125217	0.195089918797363	530	4.5358901148233	7.12873994693457e-06	0.0380600764163617	9.69364089200887e-05
HNSC	PRKAA1	cg05874655	0.223156227032138	530	5.22038907499202	2.58549244601937e-07	0.0497987016632192	5.10367417776277e-06
HNSC	PRKAA1	cg06971720	-0.0730343972559757	530	-1.66990009652845	0.0955409334864949	0.00533402318254367	0.230478623736281
HNSC	PRKAA1	cg10786880	-0.0393978111742471	530	-0.899106383913896	0.369012145371404	0.00155218752532163	0.567743208215543
HNSC	PRKAA1	cg24728477	-0.00380971445163688	530	-0.0868754863424278	0.930803927139226	1.45139242030109e-05	0.963372900695398
HNSC	PRKCD	cg02121118	0.0252166006156826	530	0.575209876962689	0.565398164441382	0.000635876946610843	0.734789366516395
HNSC	PRKCD	cg02559423	-0.0956826265641716	530	-2.19195652133644	0.0288252584269411	0.00915516502621872	0.0958263387917377
HNSC	PRKCD	cg02630105	-0.00150792759316805	530	-0.0343860787855217	0.972582479479179	2.27384562623759e-06	0.985558207323099
HNSC	PRKCD	cg10531918	-0.0485945471480804	530	-1.10943687204528	0.267754569175491	0.00236143001252701	0.463476461883388
HNSC	PRKCD	cg13469346	-0.0624724496914186	530	-1.42737915336135	0.154070852859311	0.00390280697044682	0.321504717046353
HNSC	PRKCD	cg13889007	0.0633274246438848	530	1.44699186222558	0.148501743066811	0.00401036271202691	0.313570398595605
HNSC	PRKCD	cg13908523	0.0128630103862377	530	0.29334603579041	0.769374702448635	0.000165457036196459	0.872145592875823
HNSC	PRKCD	cg14727059	-0.0869858091424261	530	-1.99112891141778	0.0469895166143498	0.00756653099216257	0.137896656060083
HNSC	PRKCD	cg21903826	0.0104080550055155	530	0.237353027098517	0.812476410225368	0.000108327608997837	0.898984324075102
HNSC	PRMT1	cg07702240	0.0163899886908983	530	0.373799457029838	0.708705878819153	0.000268631729287773	0.834013585271176
HNSC	PRMT1	cg08377944	0.00232513227466892	530	0.0530213169168256	0.957735285658664	5.40624009470705e-06	0.977712796257746
HNSC	PRMT1	cg11787855	0.00744660652509444	530	0.169813463514921	0.865222881341412	5.54519487395791e-05	0.928427664640042
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HNSC	PRMT1	cg14576628	-0.10453558518168	522	-2.37840118799434	0.0177537618872013	0.0109276885692762	0.0664518933916924
HNSC	PRMT1	cg18880319	0.0273759954680148	530	0.624502804559066	0.532571329377431	0.000749445127864765	0.709906512869688
HNSC	PRMT1	cg22292364	-0.0571151395856356	530	-1.30455512947414	0.192621445730412	0.00326213916988664	0.373350427276054
HNSC	PRMT1	cg24228123	-0.0759837945562152	529	-1.73604907490343	0.0831486128737737	0.00577353703516112	0.20861895842554
HNSC	PRMT1	cg25595446	-0.0641859103162614	530	-1.46668832386797	0.143065345258626	0.00411983108312715	0.305825129889787
HNSC	PRMT1	cg26846726	0.0460116524346175	530	1.05033951883561	0.29404992383778	0.00211707215976405	0.491808661808917
HNSC	PRMT2	cg04493422	0.0679233103985017	530	1.55247515741911	0.121156951798292	0.0046135760954912	0.27249107344122
HNSC	PRMT2	cg06725035	-0.24667419191933	526	-5.78203421707768	1.27945241703107e-08	0.0608481569590547	3.42393262230873e-07
HNSC	PRMT2	cg09031657	-0.110957019603487	530	-2.54592993311715	0.0111861039418719	0.0123114601992885	0.0465353887729402
HNSC	PRMT2	cg10187059	-0.027901698393168	530	-0.636504425634667	0.524727772329501	0.000778504773223315	0.703835667798274
HNSC	PRMT2	cg10657630	0.0224633661463736	529	0.511879946317633	0.608952764358388	0.000504602818626045	0.76660093453454
HNSC	PRMT2	cg12162201	-0.121178387144443	529	-2.78112893567509	0.00561394410511447	0.0146842015109285	0.0272157517114274
HNSC	PRMT2	cg13271076	0.034340794155672	530	0.783552745802324	0.433659326678922	0.00117929014324224	0.62719317443455
HNSC	PRMT2	cg17243659	-0.0618995589280074	530	-1.41423908624151	0.15789015955645	0.00383155539548186	0.326820825174534
HNSC	PRMT2	cg23283320	-0.183141821233642	530	-4.24812675467174	2.55452815804201e-05	0.0335409266847753	0.000296695974211287
HNSC	PRMT3	cg01769160	-0.00154507020991893	530	-0.0352330637229957	0.971907418016803	2.38724195357893e-06	0.985153563313691
HNSC	PRMT3	cg04101203	-0.051423119587519	530	-1.17418103769739	0.240859979476422	0.00264433722811228	0.43301583572261
HNSC	PRMT3	cg06578097	-0.15354507495028	530	-3.5433851421033	0.000430601263619438	0.0235760900414871	0.00330389532518104
HNSC	PRMT3	cg13432154	-0.113105197743685	530	-2.59585287879979	0.00970238781456022	0.012792785756638	0.0416136389146921
HNSC	PRMT3	cg13982511	-0.0934971216658875	530	-2.1414428924469	0.0327024234652555	0.00874171175980577	0.105256612786764
HNSC	PRMT3	cg19653624	-0.090495426339068	530	-2.07211538047252	0.0387469916647508	0.00818942218828969	0.11961069099677
HNSC	PRMT3	cg23019633	-0.0807183751669549	530	-1.84668799296225	0.0653603658167144	0.00651545608959328	0.17530233747097
HNSC	PRMT3	cg23071995	-0.00496665281033809	530	-0.113258506505597	0.909869323648966	2.46676401384393e-05	0.952131046985481
HNSC	PRMT6	cg00944433	-0.331804446986391	530	-8.02069225570587	7.0115594315204e-15	0.110094191039945	5.34762014133037e-13

HNSC	PRMT6	cg02990361	-0.437273452886967	530	-11.0875701288943	8.65158407126617e-26	0.19120807259969	1.88000371854771e-23
HNSC	PRMT6	cg02993280	-0.354885718537653	530	-8.6506549406194	6.14144116806897e-17	0.125943873221986	6.03523452609596e-15
HNSC	PRMT6	cg09367891	-0.401032717321894	530	-9.98287855687624	1.37299800867156e-21	0.160827240362582	2.08208590812076e-19
HNSC	PRMT6	cg14671364	-0.317404242625095	530	-7.63261010810552	1.10782192829192e-13	0.10074545323641	7.29736656134985e-12
HNSC	PRMT6	cg14828511	-0.35131108594887	530	-8.5565288414281	1.31276990006247e-16	0.123419479110574	1.25153948045907e-14
HNSC	PRMT6	cg22528358	0.0272493934953674	530	0.621612601932586	0.534469049277199	0.000742529445865369	0.711193151556889
HNSC	PRMT7	cg00894222	-0.0736071627769793	530	-1.68306719592025	0.0929623185044541	0.00541801441207673	0.226039588852144
HNSC	PRMT7	cg02477175	0.0560388651562278	530	1.27989397862395	0.201153128436128	0.00314035440799788	0.384374302165948
HNSC	PRMT7	cg06089844	-0.00995492641004498	529	-0.226800106072755	0.820668483222104	9.9100559829411e-05	0.903612551042882
HNSC	PRMT7	cg06092312	0.0742877273107675	530	1.69871462585783	0.0899711278311754	0.00551866642899895	0.220736610703475
HNSC	PRMT7	cg06745885	-0.00894793136720777	530	-0.204052397946956	0.838392386157896	8.00654757522608e-05	0.913535954553553
HNSC	PRMT7	cg09175928	-0.0429727837605101	530	-0.980836293969457	0.327129588303699	0.00184666014412756	0.526672188445923
HNSC	PRMT7	cg09779635	-0.0598746095490382	530	-1.36780513865149	0.171963891848695	0.00358496886864977	0.346304379650014
HNSC	PRMT7	cg10233539	-0.0271224759395077	530	-0.618715224887587	0.536374909162976	0.000735628701089173	0.712532858032249
HNSC	PRMT7	cg10446007	-0.00533617020415599	530	-0.121685135105447	0.903195394749081	2.84747124477222e-05	0.948758505509675
HNSC	PRMT7	cg11893236	-0.0363766759229899	530	-0.830065217595821	0.406882822137751	0.00132326255120623	0.603041442309516
HNSC	PRMT7	cg19328639	0.031936580363979	530	0.72863776193304	0.46655128472868	0.00101994516534489	0.65583489456179
HNSC	PRMT7	cg21918026	-0.0202095567481515	530	-0.460942939323952	0.645032266288731	0.000408426183956754	0.79186416266101
HNSC	PRMT7	cg26492318	-0.022730768091904	530	-0.518475225663259	0.604347286977246	0.000516687818047921	0.763211555771037
HNSC	PRMT7	cg26561196	0.121137365644592	530	2.78285054544898	0.00558430465442526	0.0146742613553115	0.0270957023817351
HNSC	PRMT7	cg26796563	0.0110486688767612	530	0.251963794134882	0.801168601435025	0.000122073083948312	0.89147045207561
HNSC	PRMT8	cg01693063	-0.159205602742515	530	-3.67734925528425	0.000260185700220988	0.0253464239446076	0.00216503223478357
HNSC	PRMT8	cg06029846	-0.131851913000238	529	-3.03024960469103	0.00256536840063791	0.0173849269618223	0.0145332267229264
HNSC	PRMT8	cg07912789	-0.171053146087318	530	-3.95895979899312	8.57545204260303e-05	0.0292591787863693	0.000842640793485235
HNSC	PRMT8	cg10350722	-0.0297354405223308	530	-0.678372344284876	0.497837405497572	0.000884196423057074	0.682168691513185
HNSC	PRMT8	cg11596580	-0.130916173241913	530	-3.01126469573508	0.0027281114872224	0.0171390444163065	0.0152716920944793
HNSC	PRMT8	cg19656577	-0.171614943735941	530	-3.97235629487438	8.12050015833299e-05	0.0294516889134901	0.000804439308948627
HNSC	PRMT8	cg21667836	-0.0144812741603065	530	-0.330258489057999	0.741337667995563	0.000209707301305962	0.854447562964576
HNSC	PRMT8	cg23739862	-0.154337061652398	530	-3.56210675381355	0.000401705140505525	0.0238199285994961	0.00311515539644849
HNSC	PRMT8	cg24100636	-0.20509155841682	530	-4.77838216007421	2.30255831625593e-06	0.0420625473338398	3.57479425163359e-05
HNSC	PRMT8	cg27316886	-0.235497668963992	530	-5.52558052545943	5.19956061865046e-08	0.0554591520874738	1.20708629891762e-06
HNSC	PWWP2E	cg00259755	-0.147495542774324	530	-3.40060927818486	0.00072405484966869	0.0217549351382926	0.00512950760177817
HNSC	PWWP2E	cg05010219	-0.0510208311299207	530	-1.16497122748955	0.244564777450063	0.00260312520918788	0.437422055338549
HNSC	PWWP2E	cg15012692	-0.0269022018993629	530	-0.613686701196297	0.5396907331889	0.000723728467034085	0.715017540467152
HNSC	PWWP2E	cg15278699	-0.151062813951587	530	-3.48475260563712	0.000534190127641546	0.0228199737589718	0.00396382933896856
HNSC	PWWP2E	cg19919881	-0.145483331760669	530	-3.35320614961008	0.000857025739025947	0.021165399820185	0.00590640151858474
HNSC	PWWP2E	cg22633292	-0.105306276705846	530	-2.41477914343062	0.0160888431917052	0.0110894119136482	0.0615710088181581
HNSC	PWWP2E	cg22664157	-0.0678929084049382	529	-1.55028425058712	0.12168284999462	0.00460944701168133	0.273297214899716
HNSC	PWWP2E	cg24520806	-0.113031613812635	530	-2.59414220704118	0.00975016486481539	0.0127761457210887	0.0417663954674959
HNSC	PYGO1	cg06364757	-0.351290818313374	530	-8.55596570743744	1.3184001833e-16	0.12340523903128	1.25536871309229e-14
HNSC	PYGO1	cg09275667	-0.342590693828799	530	-8.31548325441466	8.04585386759889e-16	0.117368383498098	6.90098297437694e-14
HNSC	PYGO1	cg11480800	-0.365284038453827	530	-8.94810663569843	6.37508670607501e-18	0.133432428749137	6.96549852826404e-16
HNSC	PYGO1	cg12686317	-0.186396805310816	530	-4.32632189567349	1.81855807937442e-05	0.0347437690300783	0.00022077544823167
HNSC	PYGO1	cg13878116	0.0523101335008608	530	1.19448996489124	0.232830919766106	0.00273635006687788	0.423593278117036
HNSC	PYGO1	cg17841803	-0.318592846057821	530	-7.66441459818908	8.8703661555909e-14	0.101501401559222	5.91312137710401e-12
HNSC	PYGO1	cg19850348	-0.253399697718456	530	-5.97336276941367	4.31279098321884e-09	0.0642114068038051	1.26178737024643e-07
HNSC	PYGO1	cg22510134	0.15382600483472	530	3.55002518372139	0.000420136844729278	0.0236624397634112	0.00323509113123523
HNSC	PYGO1	cg23030278	-0.329343329249123	530	-7.95393135453484	1.13558091991165e-14	0.108467028520896	8.48620385049057e-13
HNSC	PYGO1	cg23412777	0.0594369364992762	530	1.35777114132615	0.175125201917466	0.00353274942041899	0.350710239354562
HNSC	PYGO1	cg25902187	-0.301995741523773	530	-7.2238492233689	1.80877674174603e-12	0.0912014278984932	9.89535709194029e-11
HNSC	PYGO2	cg01277844	-0.233936083045189	530	-5.48681162747472	6.4015148262118e-08	0.0547260909505256	1.45784380676323e-06
HNSC	PYGO2	cg02341811	-0.0587210425502125	530	-1.34136040325533	0.180388995676096	0.00344816083818387	0.357531807247332
HNSC	PYGO2	cg04602755	-0.445899782401031	530	-11.3599305345882	7.24595028263096e-27	0.198826615945287	1.67267494447179e-24
HNSC	PYGO2	cg10892866	-0.0714480067261515	530	-1.63343976930764	0.102981823891027	0.00510481766514019	0.243268555870782
HNSC	PYGO2	cg14024356	0.014303784484301	530	0.326209843787052	0.744396835296561	0.000204598250573329	0.85642068031459
HNSC	PYGO2	cg18188585	-0.0866978925850562	530	-1.98448842659393	0.0477265737853042	0.00751652457868995	0.139459906135821
HNSC	PYGO2	cg24683561	-0.122247196912111	530	-2.80873136678744	0.00516079760725996	0.0149443771528683	0.0254245512671257

HNSC	PYGO2	cg27105205	-0.0113008479174939	530	-0.257715438403175	0.796728486189177	0.000127709163654326	0.888714058309209
HNSC	RBBP4	cg05797186	-0.0666716446070007	530	-1.5237377761015	0.128182132278632	0.00444510819460221	0.283308950128243
HNSC	RBBP4	cg06526778	-0.0595448597005018	530	-1.36024529198662	0.174341685346888	0.00354559031675244	0.349645193861196
HNSC	RBBP4	cg09036220	-0.0123875582041797	530	-0.282501464810046	0.777671432923793	0.000153451598261939	0.877037004406942
HNSC	RBBP4	cg11229946	0.117480624340179	530	2.69765117868587	0.00720984381424154	0.0138016970953583	0.0331765138523695
HNSC	RBBP4	cg13641837	-0.0537550290670717	530	-1.22757815231269	0.220160781787829	0.00288960315000172	0.408344368748119
HNSC	RBBP4	cg16148416	0.0128762790706921	530	0.293648683536368	0.769143533725804	0.000165798562706343	0.872014053898678
HNSC	RBBP4	cg16396527	-0.0448420233509597	530	-1.02358509465548	0.306507225585298	0.00201080705820802	0.504964487657406
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HNSC	RBBP4	cg20740619	0.137057900149662	530	3.15517627028324	0.00169685860984954	0.0187848679934348	0.0104031380482808
HNSC	RBBP4	cg22358606	0.140608571691341	530	3.23854282376195	0.00127814326206518	0.0197707704330789	0.00823179707998164
HNSC	RBBP4	cg22857567	-0.0104297457657932	530	-0.237847733085855	0.812092882554373	0.000108779596739082	0.898733387781085
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HNSC	RBBP4	cg26131911	0.0379749608059934	530	0.866587418878223	0.386567786440037	0.00144209764821673	0.584532634476194
HNSC	RBBP5	cg00960017	-0.0464603200410445	530	-1.0606036104231	0.289362441557296	0.00215856133831628	0.4868854474739
HNSC	RBBP5	cg02189925	0.389340466027974	530	9.63889618207492	2.43723134470678e-20	0.15158599848688	3.36173714947019e-18
HNSC	RBBP5	cg03143531	-0.113665335587811	530	-2.60887632693439	0.00934546680959726	0.0129198085142896	0.0404218836168353
HNSC	RBBP5	cg05290904	0.130387304623833	530	2.99888911695454	0.0028394042603743	0.0170008492070683	0.0157473882534796
HNSC	RBBP5	cg07601985	0.358561474930238	530	8.75887099345967	2.78371973210737e-17	0.128566331304148	2.84195134960053e-15
HNSC	RBBP5	cg07972983	0.131935577769259	530	3.0351262539833	0.00252473304302276	0.0174069966813082	0.014357389060593
HNSC	RBBP5	cg14717946	-0.00409795503471614	530	-0.0934485371298308	0.925583225604069	1.67932354665553e-05	0.960816655869322
HNSC	RBBP5	cg18131828	-0.0705137641774713	530	-1.61197373549072	0.107574391141491	0.00497219093847603	0.251046713198174
HNSC	RBBP5	cg21214746	-0.0278728556629746	530	-0.635845942186696	0.525156575295535	0.000776896082809015	0.704161305431777
HNSC	RBBP5	cg23227967	0.0409180014719562	530	0.933856091566633	0.350811554461739	0.00167428284445901	0.549780646655418
HNSC	RBBP5	cg24103461	-0.0811640741250969	530	-1.85695219642945	0.0638832010766416	0.00658760692858422	0.172332677181367
HNSC	RBBP5	cg26795850	-0.144234488150392	530	-3.32380764713844	0.000950552254243318	0.0208035875720054	0.0064323406981599
HNSC	RBBP7	cg01947226	-0.10547128188711	530	-2.41860540949275	0.0159225308434022	0.0111241913029102	0.0610757538795734
HNSC	RBBP7	cg03048084	-0.083484859973687	530	-1.91041689226814	0.0566292768843317	0.00696972184482613	0.157860678895607
HNSC	RBBP7	cg03171708	-0.0786607598532348	530	-1.79931659309235	0.0725482433754619	0.00618751514068828	0.189218796517098
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HNSC	RBBP7	cg08363715	-0.0968376886813062	530	-2.21866637443907	0.0269404597011323	0.00937753794913757	0.0911180436498363
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HNSC	RBBP7	cg17878446	-0.0829431770221319	530	-1.89793519910882	0.0582581391358747	0.00687957061452472	0.161142530699955
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HNSC	RBBP7	cg21122900	-0.10942120497629	530	-2.5102603043076	0.0123667323528897	0.0119730000984633	0.0503326136162342
HNSC	RING1	cg01241018	0.10985029735594	530	2.50224224279955	0.0120262733282476	0.0120670878291884	0.0492224920975269
HNSC	RING1	cg01878788	-0.160246341518575	530	-3.70201981432593	0.000236728684845098	0.025678889700877	0.00199892231725166
HNSC	RING1	cg02475416	-0.156951391763709	530	-3.62395652217515	0.000318639225428838	0.0246337393765653	0.00257059212931774
HNSC	RING1	cg03037740	-0.04661374554998	530	-1.06411364665925	0.287771097698358	0.00217284127419828	0.485259572080199
HNSC	RING1	cg06316695	0.00031896835172759	530	0.0072735978904944	0.994199349255353	1.01740809403816e-07	0.997031753006471
HNSC	RING1	cg06671577	0.0449293268449888	530	1.02558195226007	0.305565519756136	0.00201864441074383	0.504096277120809
HNSC	RING1	cg07946923	-0.0947334295762665	530	-2.17001382266599	0.0304578159141155	0.00897442267928144	0.0998203366568101
HNSC	RING1	cg08892712	-0.024859113469563	530	-0.567050244017832	0.570924737983968	0.000617975522492607	0.738911942948107
HNSC	RING1	cg09478665	0.0212173506034074	530	0.483938975984549	0.628632914803148	0.000450175966627913	0.780667359936532
HNSC	RING1	cg09724776	-0.013132007080899	530	-0.299481658978398	0.764692227760147	0.000172449609972783	0.869445218254947
HNSC	RING1	cg09832551	-0.117235173557406	530	-2.69193638333022	0.00733279395035706	0.013744085919035	0.0335878415153056
HNSC	RING1	cg09869033	-0.0276956122686291	530	-0.631799486249879	0.527795561143497	0.000767046938934241	0.706317415058441
HNSC	RING1	cg10265934	-0.0349468299329053	530	-0.79739740537004	0.42558421942653	0.0012212809223594	0.620242019634453
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HNSC	RING1	cg12115664	-0.0506481897006924	530	-1.15644065030759	0.248031966520598	0.00256523911995732	0.441380702797681
HNSC	RING1	cg12256228	0.0182690660900992	530	0.416668343069723	0.677092950616545	0.000333758775804414	0.813469813770889
HNSC	RING1	cg14046664	-0.109510419825551	530	-2.51233183817026	0.0122952528712409	0.0119925320503684	0.0501192518845551
HNSC	RING1	cg14363494	0.00160588872045839	530	0.0366199443094367	0.97080209430504	2.57887858249549e-06	0.984557454462557

HNSC	RING1	cg18189601	-0.166101430616509	530	-3.84105270482794	0.000137629760724638	0.027589685252851	0.00126572521643368
HNSC	RING1	cg20505183	0.0397440736741903	530	0.907020966301458	0.364815824295239	0.00157959139221947	0.563742372032334
HNSC	RING1	cg24536938	0.0464437714165081	530	1.06022501900142	0.289534437893068	0.00215702390338885	0.487017746059783
HNSC	RING1	cg24550302	-0.136716985539234	530	-3.14717848140241	0.00174306251684511	0.0186915341349351	0.0106294430850081
HNSC	RNF17	cg00202166	-0.423720481691738	530	-10.6672425585507	3.69816366590512e-24	0.179539046605079	6.89915933394299e-22
HNSC	RNF17	cg01405147	0.032213657701215	530	0.734965860544882	0.46269160930743	0.00103771974249105	0.652080977757249
HNSC	RNF17	cg07131398	-0.0994384474664429	522	-2.26124257866833	0.0241630279014853	0.00988800483453653	0.0840124206898659
HNSC	RNF17	cg12020676	-0.0221937249495237	530	-0.506219483028582	0.612917124294829	0.000492561427135113	0.769499625062809
HNSC	RNF17	cg14855529	0.00967102776763499	530	0.220543677753689	0.825534321708207	9.3528778082367e-05	0.906189036587671
HNSC	RNF17	cg15523998	-0.0447989163966876	530	-1.0225991353468	0.306972908430682	0.0020069429103174	0.505453380994296
HNSC	RNF17	cg17806989	-0.430428341419521	530	-10.874149331079	5.88854318224347e-25	0.18526855709716	1.19606613138237e-22
HNSC	RNF17	cg20477497	-0.0424957987177779	530	-0.96992949751528	0.33253255696983	0.00180589290866189	0.532273774961646
HNSC	RNF17	cg21831927	-0.0666714034191802	530	-1.52373223929663	0.128183515780316	0.00444507603388308	0.283308950128243
HNSC	RNF17	cg23678722	-0.029370913060493	530	-0.670048937077988	0.503124032372853	0.000862650534007039	0.686594936926178
HNSC	RNF17	cg24753530	-0.0465482731431049	530	-1.06261577361116	0.288449462222962	0.0021667417326051	0.48595500421483
HNSC	RNF20	cg04845236	-0.0232002893063785	529	-0.528681351073871	0.597252522997968	0.000538253423899661	0.758160154326218
HNSC	RNF20	cg14625770	0.00285353067380156	529	0.0650081777415969	0.948192520776439	8.14263730632639e-06	0.972477897445242
HNSC	RNF20	cg21219529	0.165848641399159	530	3.83504155202454	0.000140944047965676	0.0275057718539469	0.00129151630023171
HNSC	RNF217	cg00991794	-0.206840775189982	530	-4.82095026528151	1.87859220272057e-06	0.0427831062811927	2.98556081345136e-05
HNSC	RNF217	cg02312409	-0.170096667167237	530	-3.93616096884214	9.40572058593211e-05	0.0289328761814018	0.000914292924230917
HNSC	RNF217	cg03113502	-0.146628510716771	530	-3.38017871471545	0.00077881572359346	0.0214999201550181	0.00544310397998649
HNSC	RNF217	cg06993703	-0.166477594668745	530	-3.84999906788584	0.000132833173457737	0.0277147895266908	0.00122858446034612
HNSC	RNF217	cg07439975	-0.134016116578693	530	-3.08385665469828	0.00215192993708672	0.0179603195028339	0.012596476726415
HNSC	RNF217	cg10621825	-0.161250551993901	530	-3.72583648686596	0.000215983400714795	0.0260017405183378	0.00185026017786662
HNSC	RNF217	cg16203203	-0.236487081143948	530	-5.55016770826936	4.55422055213424e-08	0.0559261395479841	1.07491211660416e-06
HNSC	RNF217	cg17382198	-0.170903707418755	530	-3.95539698972398	8.70045294250721e-05	0.0292080772094755	0.000853522113757132
HNSC	RNF217	cg18192252	-0.145898177167418	530	-3.36297546647364	0.000827891252809918	0.0212862781007753	0.00573355044254382
HNSC	RNF217	cg19171596	-0.15947867066108	530	-3.68382106896836	0.000253829234176509	0.0254334463958253	0.0021198971064355
HNSC	RNF217	cg19478500	-0.209138026126486	530	-4.87692851306434	1.43419471514624e-06	0.0437387139720826	2.35036325405703e-05
HNSC	RNF217	cg20034100	-0.0701431922437558	530	-1.60346031095862	0.109440251239706	0.00492006741814448	0.254014228747851
HNSC	RNF217	cg23521835	-0.179390049888139	530	-4.15817634459291	3.75201601721269e-05	0.0321807899988688	0.000414073182110209
HNSC	RNF217	cg24822696	-0.148066053569176	530	-3.41405704447398	0.000689991323007537	0.0219235562195501	0.00492767694685103
HNSC	RPH3A	cg00851732	0.0459517617549954	530	1.04896945839667	0.2946794549375	0.00211156440838786	0.49249776607317
HNSC	RPH3A	cg00854817	-0.0528907681366367	530	-1.20778561387696	0.227678762300054	0.00279743335408346	0.417392285480627
HNSC	RPH3A	cg01119407	-0.0880794445136285	530	-2.01635702796532	0.0442762915636815	0.00775798854582937	0.132010954541815
HNSC	RPH3A	cg01573562	-0.0645433552168152	530	-1.47489023740997	0.140847234288651	0.00416584470264398	0.302601392878083
HNSC	RPH3A	cg05967001	-0.0945192299009786	530	-2.16506297165984	0.0308369865983891	0.00893388482107404	0.100713434195937
HNSC	RPH3A	cg08254200	0.00610556221419332	530	0.1392308350008	0.889321648728693	3.72778899513853e-05	0.941328621165777
HNSC	RPH3A	cg09384610	-0.13649707581228	530	-3.14202004779647	0.00177347574722523	0.0186314517053033	0.0107827879859039
HNSC	RPH3A	cg11596863	-0.0617353545640867	530	-1.41047308416728	0.158997943252245	0.00381125400315351	0.328345039881213
HNSC	RPH3A	cg16403344	-0.0800214182261361	530	-1.8306396880855	0.0677264705751525	0.00640342737492218	0.179997712818947
HNSC	RPH3A	cg17453780	-0.129821531750768	530	-2.98565285770445	0.0029630260075598	0.0168536301061157	0.0163039122353063
HNSC	RPH3A	cg18629535	-0.0996843294629339	530	-2.284531448305	0.0227423294321217	0.00993696554047474	0.0802438668288496
HNSC	RPH3A	cg19712198	-0.087157186090525	530	-1.99508177444091	0.0465553475731284	0.00759637508721841	0.136922109149142
HNSC	RPH3A	cg20704159	-0.0648516483778397	530	-1.48196477524799	0.138955390874805	0.00420573629732296	0.299667221404224
HNSC	RPH3A	cg21900624	-0.0216949508981333	530	-0.494837463757486	0.620923863932543	0.000470670894472416	0.775333614808606
HNSC	RPH3A	cg23199238	-0.0164269492926763	522	-0.371749592355762	0.710233095402541	0.000269844663064159	0.834973605509056
HNSC	RPH3A	cg23549179	0.0484532396165609	530	1.10620315023832	0.269150098018052	0.00234771642933987	0.465123095169185
HNSC	RPH3A	cg23596620	-0.0476554979380154	530	-1.08794864557393	0.277121770345906	0.00227104648372019	0.47387253354219
HNSC	RTF1	cg04910470	-0.0638139407070903	530	-1.45815372887433	0.145401864701519	0.00407221902856804	0.309274147279213
HNSC	RTF1	cg07091958	-0.162664359977499	530	-3.75938766598662	0.000189647294483724	0.0264596940068893	0.00165899264894488
HNSC	RTF1	cg07129439	0.160014398183952	530	3.69652053775343	0.000241778293465212	0.0256046076261723	0.00203559529889964
HNSC	RTF1	cg15581235	0.111077058631102	530	2.5487186402446	0.0110981768557666	0.0123381129541373	0.0462478016964971
HNSC	RTF1	cg18782716	0.134271940624005	530	3.08985142072551	0.0021097436681008	0.0180289540389364	0.0124046103027914
HNSC	RTF1	cg22263512	0.170905667501916	530	3.95544371879667	8.6988023397276e-05	0.0292087471842754	0.000853467813364571
HNSC	RTF1	cg24280607	0.0199101688295023	530	0.454111721410185	0.649937896213167	0.000396414822819286	0.795259629164021
HNSC	RTF1	cg27576415	0.183044251541363	530	4.24578506487682	2.58044887287968e-05	0.0335051980223378	0.000299349000323295

HNSC	SATB1	cg01069104	-0.125520852290444	530	-2.88513440365786	0.0040748567496785	0.0157554843597193	0.0210560880760205
HNSC	SATB1	cg01373248	0.316678717761542	530	7.61321628853376	1.26817789920343e-13	0.100285410283095	8.31142641033124e-12
HNSC	SATB1	cg04004754	-0.249606168721943	530	-5.87794852103373	7.42972857223694e-09	0.0623032394640472	2.0886268358728e-07
HNSC	SATB1	cg14415616	-0.309841320694304	530	-7.43116982945755	4.45314216584119e-13	0.0960016440095902	2.64763471084753e-11
HNSC	SATB1	cg19818826	-0.172455800524094	530	-3.99241463533513	7.48186370581601e-05	0.0297410031344062	0.000750757071188187
HNSC	SATB1	cg26131754	-0.142107996619935	530	-3.27378604260265	0.00113176955297622	0.0201946827033316	0.0074393646475904
HNSC	SATB1	cg26768584	0.0445166572924066	530	1.01614333465107	0.310033684275741	0.00198173277648958	0.508823873642898
HNSC	SCML2	cg00457389	-0.181458429844968	530	-4.20774320787851	3.03835447424832e-05	0.0329271617618011	0.000344757508707225
HNSC	SCML2	cg04189389	0.0653966843754253	530	1.49447299830249	0.135658595466125	0.004276726327299	0.294664938592538
HNSC	SCML2	cg05049545	-0.193229782175232	530	-4.49095563712381	8.74149777841512e-06	0.0373377487194876	0.000116146213180875
HNSC	SCML2	cg06131666	0.0212785506104096	530	0.485335496500446	0.627642790006618	0.000452776716079764	0.779938640598319
HNSC	SCML2	cg08300622	-0.202570115423207	530	-4.71710550659827	3.07800345776414e-06	0.0410346516625713	4.62259075276647e-05
HNSC	SCML2	cg17710066	0.101972833429882	530	2.337523453399575	0.0197904053718051	0.0103984587577184	0.0722383143751939
HNSC	SCML2	cg17727916	-0.183915293359223	530	-4.26669482478794	2.35760852547228e-05	0.0338248351314089	0.000276633178930001
HNSC	SCML2	cg22823767	-0.202863356920338	530	-4.72422686925343	2.97638779735221e-06	0.0411535415809884	4.48272970774468e-05
HNSC	SCML2	cg26246138	-0.197818058822873	530	-4.60188476125985	5.26717781568957e-06	0.0391319843964495	7.44602636732246e-05
HNSC	SCML4	cg00977377	0.099450132907836	530	2.27911053381076	0.0230649138625575	0.00989032893538624	0.0810915130394448
HNSC	SCML4	cg03500965	-0.148948630656403	525	-3.41166990204982	0.000696628874160725	0.0221856945744174	0.00496641739703624
HNSC	SCML4	cg05603896	-0.130297342589082	530	-2.99678425578703	0.00285874169019653	0.0169773974857767	0.0158444678716977
HNSC	SCML4	cg08792995	-0.102929630829216	530	-2.3596898734712	0.0186587628465504	0.0105945089026386	0.0690109263418287
HNSC	SCML4	cg17388996	0.0171104027584098	530	0.390234342606181	0.696523068331178	0.000292765882554997	0.826020847857491
HNSC	SCML4	cg23503775	-0.0860028929935742	530	-1.96846107175311	0.0495457567451081	0.00739649760326417	0.14332215075406
HNSC	SCML4	cg27353361	0.0459521440353275	530	1.04897820341358	0.294675433806361	0.00211159954144348	0.49249776607317
HNSC	SCML4	cg27659622	-0.0434407252618642	530	-0.99153695264426	0.32188461089097	0.00188709661127677	0.521313455155987
HNSC	SETD1A	cg26692825	-0.191456749224193	530	-4.44817211770308	1.05980580520946e-05	0.0366556868234955	0.000137939656701464
HNSC	SETD6	cg01152986	-0.345806835622951	530	-8.40409358179949	4.14994495749731e-16	0.119582367563559	3.68960934884052e-14
HNSC	SETD6	cg01472538	-0.358553146035703	530	-8.75863752119325	2.78874777160192e-17	0.1285603585321	2.8433531342595e-15
HNSC	SETD6	cg01773760	-0.383130220484232	530	-9.45844621946257	1.07246083871367e-19	0.146788765848296	1.39750449726786e-17
HNSC	SETD6	cg02549819	-0.361000361022753	525	-8.81884863565956	1.75738251070685e-17	0.130321260658558	1.83017155338592e-15
HNSC	SETD6	cg05502081	-0.376369086490482	530	-9.26369705906099	5.19366479214741e-19	0.14165368926568	6.24475979660457e-17
HNSC	SETD6	cg09132913	-0.378872802620597	530	-9.33561055917663	2.90831525324167e-19	0.143544600565586	3.61420889473934e-17
HNSC	SETD6	cg19824325	-0.427239020503515	530	-10.7755020933773	1.41789441849252e-24	0.182533180640803	2.81386934673998e-22
HNSC	SETD6	cg26666090	-0.387444609317099	530	-9.58364646654638	3.84410876809182e-20	0.150113325288879	5.20990587987691e-18
HNSC	SETD7	cg05316864	-0.0937198381688855	530	-2.14658910262279	0.0322879353794671	0.00878340806640209	0.104280634570941
HNSC	SETDB1	cg02060408	-0.0845862131531948	525	-1.93393777803227	0.0536641048361517	0.00715482745559771	0.151935929425857
HNSC	SETDB1	cg08531528	0.0759523545204518	530	1.73699756976092	0.0829797489955437	0.0057687601572004	0.208310258264524
HNSC	SETDB1	cg10589385	-0.159120131903446	530	-3.67532374186314	0.000262205668851152	0.02531921637697	0.00217974223152453
HNSC	SETDB1	cg10961700	-0.182164515540338	530	-4.22467709798333	2.82569641600333e-05	0.0331839107220462	0.000323458250421665
HNSC	SETDB1	cg12082615	0.0944856955753828	530	2.16428791183878	0.0308967125184785	0.00892754666836391	0.100859336732093
HNSC	SETDB1	cg15448220	-0.195334631921531	530	-4.54180531375539	6.93900988863136e-06	0.0381556184279201	9.4787240610393e-05
HNSC	SETDB1	cg16370685	-0.215584496928309	525	-5.02477646304412	6.95105417428237e-07	0.0464766753158319	1.23826496092082e-05
HNSC	SETDB1	cg17899625	0.133317795942573	530	3.06749598692811	0.00227104099923684	0.0177736347149856	0.0131739717765034
HNSC	SETDB1	cg17918089	0.141687930676999	530	3.26391029894993	0.00117113547855383	0.0200754696995301	0.00765543344413217
HNSC	SETDB1	cg19689029	-0.152539179808155	530	-3.5196170692823	0.000470092888663085	0.0232682013765445	0.00356193690276186
HNSC	SETDB1	cg26820223	-0.201928857388119	530	-4.70153717830928	3.31190257569877e-06	0.0407752634460714	4.93669570749014e-05
HNSC	SETMAR	cg00300090	-0.040541246791499	530	-0.925243340174981	0.355268520902173	0.00164359269140923	0.55412942728093
HNSC	SETMAR	cg02520519	-0.0298866446652447	530	-0.681824930691854	0.495653221255178	0.000893211529346601	0.68054230915345
HNSC	SETMAR	cg06021447	-0.0326354688598991	530	-0.744599824144176	0.4568500399729	0.00106507382770544	0.647112355434261
HNSC	SETMAR	cg06267913	-0.102335696688587	530	-2.34592924352389	0.0193543859368642	0.0104725948167386	0.0709745969441129
HNSC	SETMAR	cg14751177	-0.077769976332287	530	-1.77881576427145	0.0758540804761131	0.00604816921872448	0.195468294297881
HNSC	SETMAR	cg14961031	-0.274961831918567	525	-6.51518969200481	1.71942757471116e-10	0.0756040090120144	6.56657578532546e-09
HNSC	SETMAR	cg15232450	-0.0988606481489321	525	-2.26110663925707	0.0241666399880673	0.00977342775242695	0.08401514336918
HNSC	SETMAR	cg15384599	-0.116530555581789	530	-2.67553363921083	0.00769623502586859	0.0135793703842005	0.0349026995221185
HNSC	SETMAR	cg16423812	-0.146994742342673	530	-3.38880754647351	0.000755233258025672	0.0216074542763887	0.00531073091158357
HNSC	SETMAR	cg21901604	-0.19417968430354	530	-4.51389567095088	7.87880618484535e-06	0.0377057497962223	0.000106152381077911
HNSC	SETMAR	cg22149154	-0.0253499752356191	530	-0.578254204888093	0.563342844955742	0.000642621244446499	0.733308121755718
HNSC	SETMAR	cg23182840	-0.300772331546193	530	-7.19166760698797	2.2421634668989e-12	0.090463995423733	1.2096176473227e-10

HNSC	SETMAR	cg23549342	-0.292718715656512	530	-6.98078176909835	8.99137088344427e-12	0.0856842464955978	4.30711026174054e-10
HNSC	SETMAR	cg24390964	-0.0183853756244553	530	-0.419321945383372	0.675154028036131	0.000338022036852317	0.812176950303754
HNSC	SETMAR	cg26797270	-0.12837056375627	530	-2.95172097884996	0.00330276366378523	0.0164790016391025	0.0177809824540144
HNSC	SETMAR	cg27265118	-0.186747688703184	530	-4.33475999697567	1.75253004164105e-05	0.0348746992359815	0.000213459091998472
HNSC	SFMBT2	cg09060610	-0.0888509946010335	530	-2.03415965648561	0.0424424801925761	0.00789449924159288	0.127860971186892
HNSC	SFMBT2	cg12328063	-0.162978784981726	530	-3.76685253325471	0.000184214545090204	0.0265620843541197	0.00161893202900445
HNSC	SFMBT2	cg20299663	-0.161848975970038	530	-3.74003484124318	0.000204443549763893	0.0261950910225498	0.00176893354580495
HNSC	SFMBT2	cg25291138	-0.164392163346775	530	-3.80042261183532	0.000161546920263398	0.0270247833698329	0.00145019333186591
HNSC	SHPRH	cg00571935	-0.143603221759543	530	-3.30895345153746	0.0010013345539442	0.0206218852997204	0.0067211234072075
HNSC	SHPRH	cg02758840	-0.0704672416135763	530	-1.61090490130047	0.107807247983656	0.00496563214062614	0.251409126461842
HNSC	SHPRH	cg06708562	-0.0774097807944542	530	-1.7705273077706	0.0772251603666889	0.00599227416264545	0.197984910544628
HNSC	SHPRH	cg11387577	-0.0930781581160999	530	-2.13176296814438	0.0334944584404723	0.00866354351828569	0.107149527237449
HNSC	SHPRH	cg11675148	-0.0516304396635331	530	-1.1789275533495	0.238966171881449	0.00266570229984973	0.430745965414186
HNSC	SHPRH	cg12989205	-0.021002111160698	530	-0.479027478862576	0.632120452080232	0.000441088673206315	0.78310666034763
HNSC	SHPRH	cg14102550	-0.0629309113228272	530	-1.43789564474634	0.151065176151859	0.00396029959992154	0.317217804341433
HNSC	SHPRH	cg15443174	0.0171189738521254	530	0.390429879521133	0.696378585286352	0.000293059265749753	0.825925046709454
HNSC	SHPRH	cg16339435	-0.101353528488158	530	-2.32317932483891	0.0205543369659782	0.0102725377369998	0.074368824237538
HNSC	SHPRH	cg18099523	-0.0702077146847215	530	-1.60494258489572	0.109113553742024	0.00492912320125125	0.25346013137674
HNSC	SHPRH	cg26814539	-0.0048760806412377	530	-0.1111930682389	0.911506152585338	2.37761624198531e-05	0.952985023575742
HNSC	SHPRH	cg27398948	-0.0698702630099571	530	-1.5971905315782	0.110830715086051	0.00488185365308058	0.256293351844601
HNSC	SIN3A	cg01088093	0.0470494167530658	530	1.07408125227966	0.283284415261433	0.00221364761680367	0.480608623039383
HNSC	SIN3A	cg01664094	0.204894508112834	530	4.7735898426313	2.35569385851908e-06	0.0419817594548003	3.65057466194489e-05
HNSC	SIN3A	cg02028562	-0.0203515424757748	530	-0.464182710653899	0.642711112435588	0.000414185281143267	0.790189984255641
HNSC	SIN3A	cg07544511	0.0716372216015515	530	1.63778787223545	0.102070889266635	0.0051318915187898	0.241727381643538
HNSC	SIN3A	cg10483776	0.278495517597247	530	6.61227275385317	9.40733335880503e-11	0.0775597533217586	3.78208832720868e-09
HNSC	SIN3A	cg11184237	-0.227345724944315	530	-5.32368561619106	1.51523535748229e-07	0.0516860786504559	3.15514505888591e-06
HNSC	SIN3A	cg15851274	-0.121454707280234	530	-2.79024973963281	0.00546012502363123	0.0147512459205273	0.0266093444896553
HNSC	SIN3A	cg22059910	0.0796121079961691	530	1.82121606935802	0.0691484858940658	0.0063380877395937	0.182722055422655
HNSC	SIN3A	cg25697800	0.0054652266424577	530	0.124628203461796	0.900866061745327	2.98687022534295e-05	0.947756916698398
HNSC	SIN3B	cg06815056	-0.0465537506274606	530	-1.06274108658067	0.288392668427912	0.00216725169748379	0.485894770703245
HNSC	SIRT1	cg02720207	-0.147399452864124	529	-3.39507542999757	0.000738625365167429	0.021726598704643	0.00521279340087408
HNSC	SIRT1	cg03211233	-0.0921972547913977	530	-2.11141389663049	0.0352132637567142	0.0085003337910699	0.111353565591296
HNSC	SIRT1	cg07832903	-0.0772080017011751	530	-1.76588447575588	0.0780019869780733	0.00596107552668866	0.199286892015246
HNSC	SIRT1	cg10582690	-0.0730928098145431	530	-1.67124284541764	0.0952753703587174	0.00534255884658497	0.230067424934382
HNSC	SIRT1	cg10705386	-0.0906027371182456	530	-2.07459284986317	0.0385156160789533	0.00820885597331792	0.119060387157253
HNSC	SIRT1	cg19192316	-0.0531396202388072	530	-1.21348432334155	0.225495602546535	0.00282381923912465	0.414885882988155
HNSC	SIRT1	cg19681528	-0.0115538136834336	530	-0.26348507553926	0.792281100453994	0.000133490610631498	0.886116451905199
HNSC	SIRT1	cg19980381	0.028916893005854	529	0.65904786672094	0.510157321756564	0.000836186701112005	0.692518056705458
HNSC	SIRT1	cg25513531	-0.0951234778529839	530	-2.17902988828076	0.0297776139368159	0.00904847603884712	0.0981423051108607
HNSC	SIRT4	cg04118464	-0.00548668044992756	529	-0.124997084415692	0.900574258708775	3.01036623596173e-05	0.947553645427735
HNSC	SIRT4	cg07106325	-0.0285059917938148	530	-0.650300894435936	0.515785078348281	0.000812591568149038	0.697011739803678
HNSC	SIRT4	cg08264848	-0.0559557553729065	530	-1.2779898347641	0.20182319887072	0.00313104655935256	0.385240808890634
HNSC	SIRT4	cg12124973	-0.05810663399308	530	-1.32727771441593	0.184999275103029	0.00337638091400577	0.363558672443921
HNSC	SIRT4	cg20010714	0.00213050170205912	530	0.0485830239366028	0.9612702527438	4.53903750247681e-06	0.97973296879194
HNSC	SIRT4	cg21068152	-0.108295630417446	530	-2.4841301602741	0.0133005810460067	0.0117279435675121	0.0532502394057456
HNSC	SIRT4	cg21123573	-0.0620171951911039	529	-1.41147684788553	0.158706741318493	0.00384613249937148	0.327917777326787
HNSC	SIRT5	cg01064902	-0.064010376769735	530	-1.46266074726142	0.144164350856744	0.00409732833420343	0.30736465442199
HNSC	SIRT5	cg02206980	-0.0930146104517268	530	-2.13029483392127	0.033616010635387	0.00865171775748648	0.107436996482038
HNSC	SIRT5	cg02712746	-0.120949102851713	530	-2.77846138600195	0.00565916941120015	0.0146286854806342	0.0273838045142069
HNSC	SIRT5	cg06139021	0.0930336527532556	530	2.13073476321959	0.0335795476406162	0.00865526054461334	0.107350411665125
HNSC	SIRT5	cg07534331	-0.0520245056353606	530	-1.18794996832956	0.235395427401972	0.00270654918660367	0.426615971955393
HNSC	SIRT5	cg07909422	-0.0633648448593717	530	-1.44785033648226	0.148261544775257	0.00401510356405224	0.313241319199543
HNSC	SIRT5	cg08619119	-0.107291631891572	530	-2.4608305567464	0.0141854477449028	0.0115114942739565	0.0558900322764851
HNSC	SIRT5	cg10907941	-0.0913216838960488	530	-2.09119296022391	0.03699548199772	0.00833964994960986	0.115574111578613
HNSC	SIRT5	cg11824369	-0.0630831121978009	530	-1.44138712923495	0.150077259987815	0.00397947904456034	0.315729837640977
HNSC	SIRT5	cg19366958	0.0695983715992234	530	1.59094495164076	0.112229683693371	0.00484393332926358	0.25861362598466
HNSC	SIRT5	cg20150972	-0.0113454946370924	530	-0.258733736087447	0.795943070223061	0.000128720248560292	0.888242402422003

HNSC	SIRT7	cg11691214	-0.080518222843496	530	-1.84207895749057	0.0660328023207703	0.00648318420987489	0.176588374827845
HNSC	SIRT7	cg12710567	-0.0857400408304618	528	-1.95862272324318	0.0506931548550279	0.00735135460160925	0.145779361555228
HNSC	SIRT7	cg17552093	-0.108113811191988	530	-2.47991014784828	0.0134571234701204	0.0116885961704568	0.0537386922249652
HNSC	SIRT7	cg20397086	-0.0621189516079773	528	-1.41653900713252	0.157218829571284	0.00385876414887423	0.325920654225386
HNSC	SMARCA	cg03460558	-0.2303274511082	530	-5.39739270410861	1.02936607181961e-07	0.0530507347340004	2.23059900253857e-06
HNSC	SMARCA	cg06675660	-0.15835843380189	530	-3.65727653189924	0.000280865889827033	0.0250773935561876	0.00231311465521959
HNSC	SMARCA	cg08617833	-0.337831842791336	530	-8.18497474065208	2.11323548913345e-15	0.11413035400379	1.72685968110974e-13
HNSC	SMARCA	cg12935118	-0.132771499876618	530	-3.0547002845732	0.00236838683387471	0.0176282711794869	0.0136286918673311
HNSC	SMARCA	cg17420696	-0.145409779076529	530	-3.35147224250078	0.000862289224636756	0.0211440038510849	0.00593373975598335
HNSC	SMARCA	cg18959966	-0.274482925848484	530	-6.50917843119084	1.78144697401344e-10	0.0753408765823443	6.77019471892532e-09
HNSC	SMARCA	cg24447042	-0.418658388864996	530	-10.5125203480725	1.44026273278001e-23	0.175274846567034	2.54067571505415e-21
HNSC	SMARCA	cg26010110	-0.292134189856121	530	-6.96553986422278	9.92818971425578e-12	0.085342384882892	4.71522338602451e-10
HNSC	SMARCA	cg27353825	-0.185729437087352	530	-4.31027764524517	1.95071597876449e-05	0.0344954238007848	0.000234260572479167
HNSC	SMARCA	cg04518912	-0.0308445398523509	530	-0.703698550766054	0.481935494837344	0.000951385638703262	0.669076289557889
HNSC	SMARCA	cg13529335	0.036101190661283	530	0.823770791770839	0.410447460673581	0.0013032959671623	0.6063146754959
HNSC	SMARCA	cg14290704	-0.134200348356836	530	-3.08817372426678	0.00212147262029008	0.0180097334990962	0.0124585069089489
HNSC	SMARCA	cg21210735	-0.284612590191516	530	-6.77016177102591	3.48338304196574e-11	0.0810043264955239	1.49754991986346e-09
HNSC	SMARCA	cg08405378	-0.120759095103705	530	-2.77403185317331	0.00573564219087518	0.0145827590502657	0.0276682337346537
HNSC	SMARCA	cg17218495	0.052137632040962	530	1.19054017881304	0.234377348855737	0.00271833267483875	0.425312607345072
HNSC	SMARCA	cg17747332	-0.0475687232210543	530	-1.08596312991667	0.277998466640296	0.00226278342888127	0.474830121499477
HNSC	SMARCA	cg18522266	-0.031865150446147	530	-0.727006419586545	0.467549181198899	0.00101538781295558	0.656597294781003
HNSC	SMARCA	cg23892580	0.00366225709097667	530	0.0835128707550254	0.933475882507543	1.34121270004089e-05	0.964623984535371
HNSC	SMARCA	cg01278696	0.0309690053007548	530	0.706540871308514	0.480168301600603	0.000959079289318177	0.667408973801878
HNSC	SMARCA	cg01575392	-0.299367841916771	530	-7.15477083231485	2.86559689167559e-12	0.0896211047739047	1.50829664811239e-10
HNSC	SMARCA	cg02782292	-0.176032010893216	530	-4.07782496621373	5.25832792061315e-05	0.0309872688591093	0.000553886972799977
HNSC	SMARCA	cg05358385	-0.0116548114879616	530	-0.265788645119033	0.79050733214287	0.000135834630819922	0.884934128570106
HNSC	SMARCA	cg10878459	-0.344968242229883	530	-8.38095665474586	4.93554622261863e-16	0.119003088147175	4.33848455189146e-14
HNSC	SMARCA	cg12253543	-0.231590560937418	530	-5.4286645331163	8.72465194495424e-08	0.0536341879153078	1.92001576635296e-06
HNSC	SMARCA	cg13848802	-0.248372244722095	524	-5.81314512515522	1.0772712644935e-08	0.0616887719482922	2.93333009275491e-07
HNSC	SMARCA	cg13898584	-0.252657573673366	530	-5.95467399620097	4.80034241972121e-09	0.0638358495345124	1.39394489809553e-07
HNSC	SMARCA	cg16091845	-0.0701336771905048	530	-1.60324172336655	0.10948849413155	0.00491873267626193	0.254103458009242
HNSC	SMARCA	cg16587443	-0.194555342147903	528	-4.50117382460356	8.36330085869173e-06	0.0378517811582877	0.0001117351505638
HNSC	SMARCA	cg19993723	0.0659246092133702	530	1.50658981194588	0.132523052532321	0.00434605409993557	0.289999953549912
HNSC	SMARCA	cg20045045	-0.123805592627845	528	-2.84235362923653	0.00465446827406729	0.0153278247659319	0.0234134953063557
HNSC	SMARCA	cg22077701	-0.176121257074907	530	-4.07995853994273	5.2117868904411e-05	0.0310186971936454	0.000549756948277932
HNSC	SMARCA	cg24607315	-0.28461101391455	530	-6.77012097069524	3.48428587674226e-11	0.0810034292414684	1.49754991986346e-09
HNSC	SMARCB	cg01745726	-0.0325211095919239	530	-0.7419878744345	0.458429680850266	0.00105762256908993	0.648445812363982
HNSC	SMARCB	cg01912455	-0.0905023477204164	530	-2.07227517126765	0.038732032847641	0.00819067494290717	0.119585422471102
HNSC	SMARCB	cg03979008	0.150547206497103	530	3.47258214194269	0.000558425767662576	0.0226644613840814	0.00411657103852388
HNSC	SMARCB	cg10122452	-0.168914581142359	530	-3.90800034128362	0.000105365004091392	0.0285321357224985	0.00100768939934836
HNSC	SMARCB	cg16142952	0.0488648394994406	530	1.1156225053998	0.265099042092899	0.00238777253930609	0.460762142941025
HNSC	SMARCB	cg19906397	0.0675920003710764	530	1.54486779723708	0.122986578559683	0.00456867851416359	0.275335056907307
HNSC	SMARCC	cg02564102	0.203199602016374	530	4.73239420482863	2.86381964873796e-06	0.0412900782596126	4.33861705460411e-05
HNSC	SMARCC	cg02627110	-0.00371279197150199	530	-0.0846652668381607	0.932560095175892	1.37848242236497e-05	0.964243256074514
HNSC	SMARCC	cg05592996	-0.110346323073876	530	-2.53174417683963	0.011643052516342	0.0121763110159243	0.047994893358219
HNSC	SMARCC	cg07143957	0.241739166672691	530	5.68099216992826	2.23161558142711e-08	0.0584378247036071	5.68269402754633e-07
HNSC	SMARCC	cg07304068	-0.0737405637379149	530	-1.68613414229234	0.0923698112418341	0.0054376707403855	0.22502088982737
HNSC	SMARCC	cg07474652	-0.026112442336108	530	-0.595658413165403	0.551662603192245	0.000681859644756563	0.724015867612611
HNSC	SMARCC	cg12894336	-0.0916666278058096	530	-2.09915870614908	0.0362844118099639	0.00840277065328883	0.113929186807569
HNSC	SMARCC	cg16250355	0.186358260788715	530	4.32539507530822	1.82595362135061e-05	0.0347294013641949	0.000221534990672722
HNSC	SMARCC	cg20685352	-0.0910784167256444	530	-2.08557567894377	0.0375040397315203	0.00829527799325015	0.11679233284792
HNSC	SMARCC	cg22984439	-0.114751834584795	530	-2.63414509795514	0.00868629137402047	0.0131679835405762	0.0382466239048307
HNSC	SMARCD	cg02553054	-0.0612871613964036	530	-1.40019442637854	0.162051464626139	0.00375611615202883	0.332620026889154
HNSC	SMARCD	cg04550398	0.0224706572825734	530	0.512539239058135	0.608491300121518	0.000504930438710869	0.766255600007339
HNSC	SMARCD	cg09878554	0.122924049364834	528	2.82180334729827	0.0049585047376727	0.0151103219122482	0.0246128464457422
HNSC	SMARCD	cg13349421	-0.0291137029202151	530	-0.664176112129497	0.50687198873166	0.000847607697726539	0.689737436222266
HNSC	SMARCD	cg17846064	0.0472682429818549	530	1.07908795079908	0.28104879382114	0.00223428679459167	0.478234786910641

HNSC	SMARCD	cg18591973	0.0530071056042582	530	1.21044971201533	0.226656280582416	0.00280975324454098	0.416204091293112
HNSC	SMARCD	cg20405918	-0.0283329498112411	530	-0.646350144735634	0.518337776168036	0.000802756045006308	0.699163729916707
HNSC	SMARCD	cg22402853	-0.0666307160645315	530	-1.52279820781476	0.128417072332039	0.00443965232327221	0.283663970838737
HNSC	SMARCD	cg25107077	-0.00987781904990882	530	-0.22525992040639	0.821865574514989	9.75713091827416e-05	0.904386593830712
HNSC	SMARCD	cg00945038	-0.00368917824874628	530	-0.0841267800468223	0.932988009357575	1.36100361510226e-05	0.96438884947002
HNSC	SMARCD	cg02127607	-0.0235732959670889	530	-0.53770327669802	0.591011953705133	0.000555700282751968	0.75382318872208
HNSC	SMARCD	cg02360836	-0.0015256193753226	530	-0.0347895148825319	0.972260931532256	2.32751447835972e-06	0.985383502796065
HNSC	SMARCD	cg04367190	0.0581694646878375	530	1.32871776967671	0.184523866452382	0.0033836862206958	0.363000370888776
HNSC	SMARCD	cg06420487	-0.155745872906642	530	-3.59542676587187	0.000354721279445127	0.024256776927452	0.00281181854627616
HNSC	SMARCD	cg07362569	0.0880718900101822	530	2.01618273464555	0.0442945715372499	0.00775665780996562	0.132040399642165
HNSC	SMARCD	cg11697258	-0.0969003680061685	530	-2.22011603965135	0.0268412887603758	0.00938968131973088	0.0908655882430233
HNSC	SMARCD	cg12577610	-0.0627457508860939	530	-1.4336482044656	0.152273681214326	0.00393702925425975	0.318997677565295
HNSC	SMARCD	cg15868002	-0.0490496259741859	530	-1.11985148033014	0.263294026797726	0.00240586580820754	0.458707169841407
HNSC	SMARCD	cg19016967	-0.231664650666357	530	-5.43049973111179	8.64017368129563e-08	0.0536685103683651	1.90357879173807e-06
HNSC	SMARCD	cg19143629	-0.0056608284704107	530	-0.129088818494084	0.897337283068699	3.20449789714123e-05	0.945669844740393
HNSC	SMARCD	cg21254277	-0.13832204296139	530	-3.18484280758423	0.00153516455806949	0.0191329875690127	0.00958017564093642
HNSC	SMARCD	cg23682543	-0.0124136611480196	530	-0.283096840837628	0.777215265659145	0.000154098983097851	0.876811964485008
HNSC	SMARCD	cg24795630	-0.100489086982387	530	-2.30316198546588	0.0216634620480686	0.0100980566025537	0.0774097361888499
HNSC	SMARCD	cg25945412	-0.0580183770099311	530	-1.32525492516817	0.185668597046031	0.0033661320708665	0.364432124907881
HNSC	SMARCD	cg00864064	0.0175138072004648	530	0.399437516518546	0.689734857460637	0.000306733442655054	0.821678256428483
HNSC	SMARCD	cg02917064	-8.13384031566149e-06	530	-0.0001854800967980	0.999852079427992	6.61593582806802e-11	0.99990349231291
HNSC	SMARCD	cg14795305	0.0173573254259497	530	0.395867555258936	0.692365106153668	0.00030127674594232	0.823374267275872
HNSC	SMARCD	cg19786287	-0.0992196906020467	530	-2.27377689179293	0.0233861871567769	0.00984454700316586	0.0819396047234295
HNSC	SMARCD	cg19902439	-0.123052092116397	530	-2.82750788663698	0.00487199887284549	0.0151418173742222	0.0242738747479276
HNSC	SMARCD	cg22750243	-0.156196616561868	530	-3.60609211056499	0.00034080597711517	0.0243973830253753	0.00272008414729635
HNSC	SMARCD	cg22787816	-0.165330411746243	530	-3.82272083809861	0.000147974196190788	0.0273341450481821	0.00134637480917733
HNSC	SMNDC1	cg03999743	-0.154056040817811	530	-3.55546295672383	0.00041174503687532	0.0237332637124592	0.00318262663692278
HNSC	SMNDC1	cg08770590	-0.0658463342454856	530	-1.50479318228136	0.132984390595832	0.00433573973356821	0.290698765932679
HNSC	SMNDC1	cg11559952	-0.0866862529974496	530	-1.98421998260969	0.0477565733956672	0.00751450645873784	0.139515499684976
HNSC	SMNDC1	cg12486840	-0.00826851689986262	530	-0.188557641224433	0.8505130986678	6.83683717233137e-05	0.920323500163412
HNSC	SMNDC1	cg17981675	-0.182372585751916	530	-4.2296684859384	2.76577240505975e-05	0.0332597600338398	0.000317533203186567
HNSC	SMNDC1	cg18209001	-0.114828217077251	530	-2.63592188933415	0.00864154841288773	0.0131855194371403	0.0381251413390908
HNSC	SMNDC1	cg21872391	-0.031507060831293	530	-0.718828406768718	0.472569532508535	0.000992694882226798	0.66058855408555
HNSC	SMNDC1	cg23721301	-0.177135330273176	530	-4.10420890068384	4.70958159777716e-05	0.0313769252309872	0.000503403669713488
HNSC	SMNDC1	cg26944434	-0.0264469965995539	530	-0.603295334254883	0.546575282948504	0.000699443629136815	0.72012923689172
HNSC	SMYD1	cg00578637	-0.0843139375662523	530	-1.92952416369777	0.05420952664072	0.00710884006792588	0.15307909236227
HNSC	SMYD1	cg00666842	-0.00236019900080745	530	-0.0538209678874016	0.957098474251182	5.57053932341246e-06	0.977414688237873
HNSC	SMYD1	cg03704645	-0.00674171877716938	530	-0.153738335255875	0.877875700747692	4.54507720704381e-05	0.935180991468442
HNSC	SMYD1	cg14559139	-0.0581991503899712	530	-1.329398160016	0.184299563383384	0.00338714110611449	0.362737292185001
HNSC	SMYD1	cg16090764	0.0223636237725442	530	0.51009665853166	0.61020018539321	0.000500131668239905	0.767488209123205
HNSC	SMYD1	cg18148488	0.00113390204804422	530	0.0258569616155828	0.979381347823391	1.28573385455887e-06	0.989368296996291
HNSC	SMYD1	cg19074493	-0.0310735937020113	530	-0.70892930063311	0.478686055758739	0.000965568225557676	0.666146275607604
HNSC	SMYD2	cg01770831	0.0949392058715651	530	2.17477026838186	0.0300973239755819	0.00901345281152341	0.0989557170599897
HNSC	SMYD2	cg04406444	0.0450418078454135	530	1.02815471952976	0.304355058313084	0.00202876445398316	0.5029526171809
HNSC	SMYD2	cg11523160	0.0426652119011204	530	0.973803242947658	0.330607012841654	0.00182032030656751	0.530271781720416
HNSC	SMYD2	cg14013804	-0.0548344797581463	530	-1.25230266721145	0.211022532167266	0.00300682017034655	0.396864181492089
HNSC	SMYD2	cg27570636	-0.0884660210692779	530	-2.02527637692384	0.0433493127150471	0.00782623688382991	0.12992435018317
HNSC	SMYD5	cg01329511	-0.117725553494338	530	-2.70335432875082	0.00708899725844208	0.0138593059455483	0.0327249853265632
HNSC	SMYD5	cg05103132	-0.0618732364333557	530	-1.41363537608575	0.158067347479001	0.00382829738673794	0.327091855875443
HNSC	SMYD5	cg06754047	-0.0887926168214686	530	-2.0328125278975	0.042578955383242	0.00788412880200415	0.128193322306743
HNSC	SMYD5	cg08834152	-0.05113997917386	530	-1.16769888951621	0.243463373247486	0.00261529746990283	0.436130409446605
HNSC	SMYD5	cg15623359	-0.0335086573333708	530	-0.764544299628829	0.444889749493836	0.00112283011628526	0.636829138169972
HNSC	SMYD5	cg17895873	-0.0290629656437926	530	-0.663017654214855	0.507613034496015	0.000844655972012268	0.690315259663774
HNSC	SMYD5	cg20402064	-0.0701537629723732	530	-1.60370315090508	0.109386675549438	0.00492155045918392	0.253905028724243
HNSC	SMYD5	cg25886337	-0.0206719466624297	530	-0.471493663781235	0.637486001021558	0.000427329378814338	0.786809233118691
HNSC	SMYD5	cg26467949	-0.135330128617855	530	-3.11465480817908	0.0019431581588599	0.0183142437117253	0.0116102953771388
HNSC	SP100	cg05876232	-0.127810471734351	530	-2.93862801246579	0.00344310660957759	0.0163355166849575	0.0183914471014473

HNSC	SP100	cg09456094	-0.0465702784046154	530	-1.06311920688007	0.288221344230562	0.00216879083068339	0.485763925063312
HNSC	SP100	cg111702456	-0.0874559910908441	530	-2.00197423254761	0.0458064033231695	0.0076485503776818	0.135335626022531
HNSC	SP100	cg11827097	0.038924155724712	530	0.888280483468869	0.374800588567265	0.0015150898888163	0.573464656341
HNSC	SP100	cg23539753	-0.286469325783197	530	-6.81826310781271	2.56411714115686e-11	0.0820646746146792	1.12632935561353e-09
HNSC	SP100	cg27140170	-0.256378721784411	530	-6.04849685777525	2.79609702465351e-09	0.0657300489838083	8.50682721689069e-08
HNSC	SP140L	cg04002454	-0.19085346445934	530	-4.43362510872484	1.13112629913669e-05	0.0364250448961325	0.000145855858304392
HNSC	SP140L	cg05217331	0.0923558658021189	530	2.11507747730625	0.0348983558178879	0.008529605948059	0.110612886754269
HNSC	SP140L	cg13278004	-0.260391894767026	530	-6.15000546701929	1.54603729745264e-09	0.0678039388603618	4.93931932312242e-08
HNSC	SP140L	cg24044052	-0.411898689070647	530	-10.3077586281437	8.53956442727027e-23	0.169660530058117	1.44418885881535e-20
HNSC	SP140L	cg25095994	-0.341190205112093	530	-8.27700116862523	1.07088081107876e-15	0.116410756064432	9.10471058109961e-14
HNSC	SP140L	cg26847438	-0.213961557033675	530	-4.99474201359239	8.05706487096143e-07	0.0457795478882747	1.41169212741345e-05
HNSC	SSRP1	cg01511567	0.0238412661805857	530	0.543819093026141	0.586799043359629	0.000568405973093539	0.750850285032468
HNSC	SSRP1	cg01766191	-0.147518893193502	530	-3.40115961320325	0.000722630629809399	0.0217618238490359	0.00512035041582953
HNSC	SSRP1	cg02688348	0.0845636735109146	530	1.93528047257869	0.0534977328587205	0.00715101487766056	0.151593048979328
HNSC	SSRP1	cg04937561	-0.0558179651771373	530	-1.27483295639821	0.20293770142474	0.00311564523651611	0.386740405849532
HNSC	SSRP1	cg08821673	-0.127675544024985	530	-2.935474308556	0.00347771468676423	0.0163010445420759	0.0185482885192744
HNSC	SSRP1	cg09381635	-0.0554069168813965	530	-1.26541596015287	0.206288967110921	0.00306992643830198	0.390777118061388
HNSC	SSRP1	cg11948159	0.0466209646325863	530	1.06427880515641	0.287696365977909	0.00217351434327287	0.485215520419838
HNSC	SSRP1	cg12795368	0.0887295264037913	530	2.03135667397447	0.0427268636187412	0.0078729288558411	0.128494513906805
HNSC	SSRP1	cg12911972	-0.0826841664364787	530	-1.89196756434879	0.0590506031659602	0.0068366713792953	0.162742277017212
HNSC	SSRP1	cg16313264	0.0911902077793597	530	2.08815699891181	0.0372696050355551	0.0083156539948428	0.116249784761988
HNSC	SSRP1	cg22636253	-0.0458344610164272	529	-1.04527958859357	0.296380356182954	0.00210079781666638	0.494331577310079
HNSC	SSRP1	cg26706201	0.0205823330169949	530	0.46944885335691	0.638945614976289	0.000423632432422479	0.787793573980369
HNSC	STK31	cg00755064	0.0453030844537109	530	1.03413102603245	0.301555604418995	0.00205236946102006	0.499953160895501
HNSC	STK31	cg05000488	-0.114281046971833	530	-2.62319479234042	0.00896665294134562	0.0130601576969784	0.0392279720458352
HNSC	STK31	cg05407490	-0.0391535247134091	530	-0.893522880984983	0.371990562830755	0.00153299849748354	0.570646668339954
HNSC	STK31	cg11755819	-0.0844678083113526	530	-1.93307077651961	0.0537700406945235	0.00713481064092341	0.152151056648054
HNSC	STK31	cg13313214	-0.0446829862446304	530	-1.01994756343294	0.308227614490759	0.00199656925973783	0.506800647637946
HNSC	STK31	cg13514718	-0.117261954433639	530	-2.69255989429833	0.00731928842862761	0.0137503659575968	0.0335355121389453
HNSC	STK31	cg13802883	-0.0659032702107588	530	-1.50610001932349	0.132648697922299	0.00434324102447229	0.290145404917196
HNSC	STK31	cg14898779	-0.112103314890688	530	-2.57256491127299	0.0103711021185024	0.0125671532094808	0.0438483433808032
HNSC	STK31	cg17102984	-0.00184937051099653	530	-0.0421722082889752	0.966377605065566	3.42017128694358e-06	0.982351519142687
HNSC	STK31	cg17331904	0.0264169612505175	530	0.60260970452089	0.547031060013797	0.000697855841711341	0.720526468502816
HNSC	STK31	cg21519371	0.127531194529672	530	2.93210056998667	0.00351508863069437	0.016264205578165	0.0187065812653056
HNSC	STK31	cg25570411	0.0782553448862243	530	1.78998568504304	0.0740379232283622	0.00612389900326191	0.19205422472915
HNSC	STK31	cg25612145	-0.110649247948838	530	-2.53878039860183	0.0114143674783738	0.0122432560716435	0.0472894083649007
HNSC	SUV39H	cg05903800	0.208921954333912	530	4.87165980526318	1.47126175479294e-06	0.0436483830027011	2.40300938384131e-05
HNSC	SUZ12	cg00160853	-0.0209589342755128	530	-0.478042243941019	0.632821036741112	0.000439276925965267	0.783604008694202
HNSC	SUZ12	cg01109633	0.0672934713002463	530	1.53801357529728	0.124653539552077	0.00452841127963708	0.277875450051988
HNSC	SUZ12	cg07482957	-0.0933079293352056	530	-2.13707156504979	0.033058082019914	0.00870636967682373	0.106115965861654
HNSC	SUZ12	cg08177746	0.00997080360999359	530	0.227380607913404	0.820217167107697	9.94169246290613e-05	0.90333504584031
HNSC	SUZ12	cg17335595	-0.18722832485868	530	-4.34632120457599	1.66577406612858e-05	0.0350544456293875	0.00020408841058438
HNSC	SUZ12	cg25098644	-0.0325762710916356	530	-0.743247751735884	0.45766735584529	0.00106121343823573	0.647836061731295
HNSC	TAF3	cg00194465	-0.0812539827715895	530	-1.85902287914441	0.0635885773935168	0.00660220971624576	0.17173441380841
HNSC	TAF3	cg02334915	0.132726171666922	530	3.0536387052177	0.00237663271963826	0.0176162366453571	0.0136644239310983
HNSC	TAF3	cg03672997	-0.0729238411673397	530	-1.66735875427434	0.0960451762093949	0.00531788661059938	0.231376564002781
HNSC	TAF3	cg04179819	0.00638458460605266	530	0.145593896792218	0.884298404659713	4.07629205918447e-05	0.938693749039348
HNSC	TAF3	cg04234156	-0.0382160426406637	530	-0.872096919870086	0.383557991658075	0.00146046591511302	0.581815232477512
HNSC	TAF3	cg05976695	-0.0882582448600589	530	-2.02048231296661	0.0438454899995898	0.00778951778577811	0.131034655476265
HNSC	TAF3	cg07855525	-0.172257695764074	530	-3.98768810841104	7.6279137372403e-05	0.0296727137499482	0.000763124898758837
HNSC	TAF3	cg09871669	-0.107605882962616	530	-2.46812249941439	0.013903073302691	0.0115790260481641	0.0550840684751484
HNSC	TAF3	cg09994553	-0.199443211153294	516	-4.57834587423977	5.90576856665159e-06	0.0397775944751375	8.24095712778644e-05
HNSC	TAF3	cg11104088	-0.101040299056005	530	-2.31592545213834	0.0209503874390328	0.010209142033327	0.0754683478622021
HNSC	TAF3	cg12176426	-0.153455032960518	530	-3.54125710142716	0.000434006273542612	0.0235484471409135	0.00332477440117912
HNSC	TAF3	cg12590721	-0.104857122298785	530	-2.40436482902918	0.0165492923945477	0.0109950160967824	0.0629101350560729
HNSC	TAF3	cg12777293	-0.13533700661561	530	-3.11481606035539	0.00194211592988449	0.0183161053596737	0.0116072375129136
HNSC	TAF3	cg27268107	-0.138353896450746	530	-3.18559054036115	0.0015312794048233	0.0191418006631036	0.0095613090953386

HNSC	TCEA1	cg01677098	-0.0532061742445667	530	-1.21500844747206	0.2249142639157	0.00283089697774319	0.414159117737542
HNSC	TCEA1	cg06047473	-0.170143160786978	530	-3.93726893491112	9.3636705390648e-05	0.0289486951625836	0.000910546732395009
HNSC	TCEA1	cg11530293	-0.0685206061763813	530	-1.56619124272604	0.117912165813961	0.00469507347077874	0.267523886704716
HNSC	TCEA1	cg11787876	-0.00582390838794561	530	-0.132807796739761	0.894396763762602	3.39179089111832e-05	0.944020322234735
HNSC	TCEA1	cg12850379	-0.186617853635253	530	-4.33163750185487	1.77669197353058e-05	0.0348262232954288	0.000216131314134226
HNSC	TCEA1	cg23569945	-0.0878694468635162	530	-2.01151220896789	0.0447868029437191	0.0077210396921003	0.133114714915706
HNSC	TCEA1	cg26181865	-0.232057581525502	530	-5.44023427428634	8.20518286898108e-08	0.053850721143465	1.81652643368433e-06
HNSC	TCEA1	cg26358945	-0.0470392096066221	530	-1.07384771868465	0.283388988198602	0.00221268724041573	0.48069449670658
HNSC	TDRD1	cg00337703	-0.300395861830297	530	-7.18177249263936	2.39488048194007e-12	0.0902376738047671	1.28310834856781e-10
HNSC	TDRD1	cg02635786	-0.64030979893321	529	-18.9909453506183	1.87631052437337e-61	0.409996638609888	1.73768691587026e-58
HNSC	TDRD1	cg16550453	-0.895041445984993	530	-45.7642703276723	1.72656748757406e-184	0.801099190030907	1.91880844469053e-180
HNSC	TDRD1	cg23504215	-0.751710224183911	530	-25.992112523044	4.53447906749746e-96	0.565068261142626	1.1023602018028e-92
HNSC	TDRD1	cg23825092	-0.440825546675812	530	-11.1992532517326	3.14301797425933e-26	0.194327162602028	6.98594115112943e-24
HNSC	TDRD1	cg24203376	-0.711149399036284	530	-23.0665114278148	1.32090797367543e-81	0.505733467749667	2.38973755590945e-78
HNSC	TDRD1	cg26600802	-0.679032629403327	530	-21.0927062960783	8.05521672041935e-72	0.461085311794396	9.94678618330639e-69
HNSC	TDRD1	cg27547703	-0.867596075809579	530	-39.7857313714909	6.80659068927919e-160	0.752722950760181	4.81374469165259e-156
HNSC	TDRD3	cg01557749	-0.144677452436581	530	-3.3342334189568	0.000916349818898285	0.0209315652435392	0.0062395201585447
HNSC	TDRD3	cg03447530	-0.233128560758689	530	-5.46678122533195	7.12423067316795e-08	0.0543489258414176	1.59902596938381e-06
HNSC	TDRD3	cg05666423	-0.222552819524665	530	-5.20553667179581	2.78995342394544e-07	0.0495297574783783	5.45467797593395e-06
HNSC	TDRD3	cg10765900	-0.0557123094505304	530	-1.27241235270713	0.203795310223108	0.00310386142431166	0.38769595977219
HNSC	TDRD3	cg18522102	-0.102512352041103	530	-2.35002183731667	0.0191451615760588	0.0105087823209991	0.0703466228815378
HNSC	TDRD3	cg19937698	-0.175781484397787	530	-4.0718362811037	5.39108244173682e-05	0.0308991302570896	0.000566136430173427
HNSC	TDRD3	cg20944895	-0.17652909292366	530	-4.08970983515016	5.004014418295e-05	0.0311625206484502	0.000530423287726982
HNSC	TDRD3	cg22045829	-0.155984745077899	530	-3.60107859164348	0.000347282180920713	0.0243312406970171	0.00276247932620775
HNSC	TDRD3	cg23103367	-0.0956411212016958	530	-2.19099691126492	0.0288950416951956	0.00914722406471748	0.0960254976135693
HNSC	TDRD3	cg23767211	-0.0746780414849759	530	-1.7076897418191	0.0882907973853638	0.00557680988003178	0.217957487125852
HNSC	TDRD3	cg26737458	-0.154831577582733	530	-3.57380007942067	0.000384589523680025	0.0239728174167579	0.00300630600936132
HNSC	TDRD5	cg05378938	-0.160301130354199	530	-3.70331892587976	0.000235550377012414	0.0256964523928338	0.00199070136114109
HNSC	TDRD5	cg07171496	-0.179533788503191	530	-4.16161906007002	3.69768850466679e-05	0.0322323812143085	0.000408489036540824
HNSC	TDRD5	cg07901138	-0.174775059910923	530	-4.04778652276455	5.95697470469706e-05	0.0305463215668668	0.000618054001303285
HNSC	TDRD5	cg09656934	-0.235526597849639	530	-5.52629915813289	5.17949621150864e-08	0.0554727782946258	1.20308819074462e-06
HNSC	TDRD5	cg11853788	-0.263935050508976	530	-6.23990952143151	9.08627884940722e-10	0.0696617108871759	3.02982416121211e-08
HNSC	TDRD5	cg12277666	-0.148095841163697	530	-3.41475927684274	0.000688254257294324	0.0219323781699829	0.00491707702194459
HNSC	TDRD5	cg13848905	-0.103965008947318	530	-2.38368425665387	0.0174981709336342	0.0108087230854159	0.0657070381624338
HNSC	TDRD5	cg15545772	-0.159175541911413	530	-3.67663685507903	0.000260894476207092	0.0253368531427918	0.00217034833293856
HNSC	TDRD7	cg24339935	0.00166073251868525	530	0.03787058033354	0.969805403700183	2.75803249861865e-06	0.984074316847782
HNSC	TDRD9	cg07613153	0.271941552484877	530	6.44407437274307	2.65508898653555e-10	0.0739522079678849	9.7567308747542e-09
HNSC	TDRD9	cg08933517	0.136958507556958	530	3.15284442198286	0.00171021184665305	0.0187576327922293	0.0104701519161508
HNSC	TDRD9	cg16701547	0.191031238326583	530	4.43791122829763	1.10964847395577e-05	0.0364929340165876	0.000143466832944848
HNSC	TRIM24	cg00733782	-0.126774316096489	530	-2.91441389061104	0.00371708551501865	0.0160717272217324	0.0195594528243616
HNSC	TRIM24	cg02308366	-0.0982330974974229	530	-2.25094612550928	0.0248058233077169	0.00964974144393819	0.0856978514255497
HNSC	TRIM24	cg06386929	-0.117013541019201	530	-2.68677657451529	0.00744542106920966	0.0136921687818523	0.0339811725818772
HNSC	TRIM24	cg06650216	-0.0837112086376641	530	-1.9156330207375	0.055959923773326	0.00700756645157852	0.156454494520112
HNSC	TRIM24	cg10571650	0.113715263678377	530	2.61003729886609	0.00931422671410125	0.0129311611934428	0.0403424616110903
HNSC	TRIM24	cg10703331	-0.0326320145193619	530	-0.744520927060441	0.456897709957743	0.00106484837159185	0.647138116095275
HNSC	TRIM24	cg13935558	0.130895531558159	530	3.01078162928442	0.00273237960922894	0.0171336401818929	0.0152900833923433
HNSC	TRIM24	cg26889928	-0.0414313402091167	530	-0.945591847944429	0.344795972843023	0.00171655595152357	0.544034113081091
HNSC	TRIM33	cg00760200	-0.0672404688996882	530	-1.53679668459201	0.124951328560627	0.00452128065784993	0.278318172586878
HNSC	TRIM33	cg02852257	-0.0420512093084638	529	-0.95884076770035	0.338085421360299	0.00176830420430424	0.53751235963506
HNSC	TRIM33	cg05792124	-0.0617998804197463	530	-1.4119529611085	0.158561930377233	0.00381922521989495	0.327723660663189
HNSC	TRIM33	cg16036305	-0.157795583823657	530	-3.64394501302872	0.00029544407189445	0.0248994462742489	0.00241400862608517
HNSC	TRIM33	cg17645130	-0.0841182609223994	530	-1.92501415498737	0.0547727318378808	0.00707588182060886	0.15418258433189
HNSC	TRIM33	cg18199720	0.115339165549853	530	2.64780867132643	0.00834749414130833	0.0133031231097363	0.0371225609803316
HNSC	TRIM33	cg20932765	-0.256261926273941	530	-6.04554769750655	2.84430459059036e-09	0.0656701748576309	8.63660543795419e-08
HNSC	TRIM33	cg20992663	-0.073713877560787	530	-1.68552060814528	0.092488096683124	0.00543373574504669	0.225245562200387
HNSC	TRIM33	cg21666217	0.0705128769784158	530	1.61195335240768	0.107578828072697	0.0049720658197732	0.251049536569697
HNSC	TRIM33	cg21813112	-0.095053940161132	530	-2.17742243269996	0.0298979174272344	0.00903525154015607	0.0984123968999863

HNSC	TRIM66	cg06492264	0.0234440610840868	530	0.534753823217965	0.593048672977663	0.000549624000114392	0.755219899910365
HNSC	TRIM66	cg11245569	0.172503713889271	520	3.954971857062	8.73726577433532e-05	0.0297575313055914	0.000856593388341074
HNSC	TRIM66	cg12608775	0.0537380357267545	530	1.22718895936421	0.220306869975235	0.00288777648376994	0.408459511495827
HNSC	TRIM66	cg13143389	0.0733491757749811	530	1.6771362195871	0.0941168083754071	0.00538010158686907	0.228048433026737
HNSC	TRIM66	cg27044202	-0.0404479096299697	530	-0.923109679368	0.356378172054387	0.0016360333934342	0.555181198646273
HNSC	UBE2A	cg00142683	-0.00958282635685439	530	-0.218532096494428	0.827100291269915	9.18305609856232e-05	0.907167716880712
HNSC	UBE2A	cg00428314	-0.00490450757486035	530	-0.111841325315955	0.910992377662234	2.40541945518625e-05	0.952780078345478
HNSC	UBE2A	cg00935924	-0.0248968648593137	530	-0.567911907975616	0.570339910963818	0.000619853879822928	0.738339291323769
HNSC	UBE2A	cg05206294	-0.0192226674640674	530	-0.438425269899535	0.661260112790794	0.000369510944434114	0.802916686922647
HNSC	UBE2A	cg06206449	-0.0065455124607394	530	-0.149263846592777	0.881403312327296	4.28437333736948e-05	0.93710385785417
HNSC	UBE2A	cg06273903	0.000614343872843856	530	0.0140091983712007	0.98882801565594	3.77418394100788e-07	0.994109351796744
HNSC	UBE2A	cg09080960	-0.0233520034960925	530	-0.532652862148231	0.594501437333221	0.000545316067281518	0.756103387927405
HNSC	UBE2A	cg14625604	-0.00353944171303675	530	-0.0807121947640574	0.935701892343069	1.25276476399845e-05	0.965719549286263
HNSC	UBE2A	cg15661671	-0.0146120026050252	530	-0.333240502727004	0.739087066541176	0.000213510620129263	0.853023029180247
HNSC	UBE2A	cg16211147	-0.0100602025839213	530	-0.229419524956355	0.818633070351462	0.000101207676029537	0.902430327559694
HNSC	UBE2A	cg17976175	-0.0069107110852295	530	-0.157592222170685	0.874839306695181	4.77579277035139e-05	0.933774889208124
HNSC	UBE2A	cg18990292	-0.0252585857167526	530	-0.576168200012131	0.564750781451569	0.00063799615241054	0.734415805092497
HNSC	UBE2A	cg25165659	0.00633576049492759	530	0.144480468199149	0.885177056979069	4.01418610490851e-05	0.939152298332442
HNSC	UHRF2	cg06523306	0.178564983145068	530	4.13842030271322	4.078766686927e-05	0.0318854532055984	0.000445651089385953
HNSC	UHRF2	cg08487038	-0.00808939694080701	530	-0.184472667807195	0.853714586369888	6.54383428659378e-05	0.921972173385294
HNSC	UHRF2	cg13428749	0.153620280641616	530	3.54516261291113	0.000427776377845774	0.0235991906244088	0.00328513677572894
HNSC	UHRF2	cg14078101	0.239204029647037	530	5.61777903505012	3.15542367750268e-08	0.0572185677993807	7.72899967152529e-07
HNSC	UHRF2	cg20595300	0.309838970945944	530	7.43110748884846	4.45504002429419e-13	0.0960001879168417	2.64763471084753e-11
HNSC	UHRF2	cg24119045	0.207218636288867	530	4.83015203900864	1.79738601269168e-06	0.0429395632254177	2.8753001741998e-05
HNSC	USP27X	cg00478198	-0.107838500449858	530	-2.4735206825348	0.0136972505114826	0.0116291421792741	0.0544544105831091
HNSC	USP27X	cg01125381	-0.146001637182564	530	-3.36541215906664	0.000820769419192295	0.021316478059989	0.00568980005316747
HNSC	USP27X	cg01290688	-0.12229397774923	530	-2.8098225113977	0.00514359939277313	0.0149558169937292	0.0253510625419027
HNSC	USP27X	cg01855997	-0.107718404019627	530	-2.4707336416483	0.013803175767992	0.0116032545645355	0.0547803415822452
HNSC	USP27X	cg06455206	-0.165891140918153	530	-3.83605210680286	0.000140381650600009	0.0275198706351265	0.00128687168549423
HNSC	USP27X	cg06624970	-0.116016651758468	530	-2.66357309853376	0.00797137074707666	0.0134598634852456	0.0358308670421264
HNSC	USP27X	cg16810342	-0.116392825587908	530	-2.67232791331529	0.0077691284041662	0.0135472898483372	0.0351431314730611
HNSC	USP27X	cg16867483	-0.151185198831754	530	-3.48764182086578	0.000528582872831306	0.0228569643457969	0.00392934314467641
HNSC	USP27X	cg19318186	-0.110598621054641	530	-2.53760440689735	0.0114523079834038	0.0122320549791881	0.0474121040530526
HNSC	USP51	cg00834229	-0.0658263502829485	530	-1.50433449886298	0.133102370766806	0.00433310839157344	0.290866761185226
HNSC	USP51	cg01084827	-0.070430126065565	530	-1.6100521964857	0.107993305620669	0.00496040265761138	0.251692118321529
HNSC	USP51	cg02714202	-0.0492224747763577	530	-1.12380735713963	0.261613291637365	0.00242285202310917	0.456970202989141
HNSC	USP51	cg03728850	-0.0584551734989207	530	-1.3352663053775	0.182373418415142	0.00341700730878892	0.360079002966445
HNSC	USP51	cg07386410	-0.0577672732690558	530	-1.31949997080995	0.187582677289989	0.00333705786094177	0.366917019351369
HNSC	USP51	cg12064531	-0.0735183193589902	530	-1.68102469732993	0.0933586058347812	0.00540494328137048	0.226733871825392
HNSC	USP51	cg12517811	-0.0844264740175012	530	-1.93211803634733	0.0538878074259534	0.0071278295150278	0.152407247968742
HNSC	USP51	cg18770944	-0.106657655374009	530	-2.44612191154755	0.0147705126866444	0.0113758554498809	0.05768938969499
HNSC	USP51	cg21331369	-0.0751113866686683	530	-1.7176552631239	0.0864548657065913	0.0056417204072902	0.214685579123422
HNSC	USP51	cg25424556	-0.0603939296885812	530	-1.37971198692823	0.16826831233473	0.00364742674322928	0.341365987636143
HNSC	WDR82	cg01736403	0.0429209448591419	530	0.97965090710341	0.327714016461318	0.0018422075076015	0.527226652445631
HNSC	WDR82	cg03869063	0.00878640364851381	530	0.200368564765688	0.841270681201627	7.72008890746169e-05	0.915016032751748
HNSC	WDR82	cg10989431	0.13638718944277	530	3.13944261505971	0.00178885444691757	0.018601465444098	0.0108500033403638
HNSC	WDR82	cg11442381	-0.332821672793818	530	-8.04833940731711	5.73734727347645e-15	0.110770265881275	4.43669178720504e-13
HNSC	WDR82	cg11665333	-0.0556673138989294	530	-1.27138150444366	0.204161337113053	0.00309884983672194	0.388202455438928
HNSC	WDR82	cg12661343	-0.141296564154616	530	-3.25471089746446	0.00120894334562557	0.0199647190418994	0.00786687901544089
HNSC	WDR82	cg13539115	-0.0842072659424325	530	-1.92706553914926	0.0545159532733799	0.00709086363749954	0.15370448205818
HNSC	WDR82	cg15991175	-0.19816312398007	530	-4.61023989648316	5.06784868261592e-06	0.0392686237055405	7.20088073818124e-05
HNSC	WDR82	cg17632831	0.0452208766983235	530	1.03225062532686	0.302434572114753	0.00204492768936498	0.500768258797759
HNSC	WDR82	cg24007312	-0.0196209547241492	530	-0.447512758309536	0.654691236554426	0.000384981864287113	0.798580210052448
HNSC	WDR82	cg26236504	0.182499601414316	530	4.23271574844525	2.72978634057193e-05	0.0333061045163843	0.000314004138072531
HNSC	WDR82	cg26858096	-0.0931950820367362	530	-2.13446431641733	0.0332717889892909	0.00868532331583399	0.106643547963945
HNSC	ZMYND1	cg00614684	-0.0458772092762292	530	-1.04726401016999	0.295464358601699	0.00210471833097493	0.493427952537633
HNSC	ZMYND1	cg02813021	-0.105555964784771	530	-2.4205691795712	0.0158377638533722	0.0111420617016438	0.0608526202009798

HNSC	ZMYND1	cg02867818	-0.282765463321048	530	-6.72239162839145	4.71414913786928e-11	0.0799563072471671	1.97912853767622e-09
HNSC	ZMYND1	cg03254875	-0.254377269793485	530	-5.99799799525547	3.74336054362285e-09	0.0647077953875877	1.10979798068063e-07
HNSC	ZMYND1	cg05236965	0.0446394103903745	530	1.01895090060781	0.308700107198784	0.00199267696000027	0.507309479475732
HNSC	ZMYND1	cg08828193	-0.179377278789357	530	-4.15787047448469	3.75687936297056e-05	0.0321762081458748	0.000414498189140451
HNSC	ZMYND1	cg12639781	-0.103369201162197	530	-2.36987574993702	0.0181580736467581	0.0106851917489107	0.0675847653832781
HNSC	ZMYND1	cg13939078	-0.104174743922887	530	-2.38854571405578	0.0172709140990538	0.0108523772713991	0.0650514908212351
HNSC	ZMYND1	cg14255089	0.262292796147994	530	6.19820549359587	1.16359969711757e-09	0.0687975109111332	3.80500524748065e-08
HNSC	ZMYND1	cg14694828	-0.149294133538534	530	-3.44301651302035	0.000621645564333101	0.0222887383090216	0.00450833988279916
HNSC	ZMYND1	cg17632565	-0.315155325674187	530	-7.57254315322242	1.68242528147305e-13	0.0993228793008026	1.07811031587244e-11
HNSC	ZMYND1	cg22593633	-0.191163874604125	530	-4.44110937790789	1.09387744515089e-05	0.0365436269536617	0.000141725550530569
HNSC	ZMYND1	cg24757747	-0.106357791006043	530	-2.43916592615685	0.015054554567918	0.011311979707685	0.0585382259081394
KICH	ACTL6A	cg03667091	0.639731193273454	66	6.65867555917314	7.36025082969409e-09	0.409255999647077	2.07157508337635e-07
KICH	ACTL6A	cg03839554	-0.23549870493752	66	-1.93851091280804	0.0569737459504355	0.0554596400272493	0.1585765864926
KICH	ACTL6A	cg07261848	-0.336394023582772	66	-2.85769484739585	0.00575115970380524	0.113160939102207	0.0277276776498249
KICH	ACTL6A	cg10112003	-0.0750041905092117	66	-0.601728461627765	0.549480617495841	0.00562562859394213	0.722407475790432
KICH	ACTL6A	cg20132173	0.0482198870608726	66	0.386208355417062	0.700623335961208	0.00232515750816331	0.828515062587782
KICH	ACTL6A	cg22619386	-0.105188775371588	66	-0.846204716465662	0.40059147534459	0.0110646784641743	0.597107034411239
KICH	ACTL6A	cg25198545	0.0211127795775479	66	0.168939893250427	0.866376731604772	0.000445749461490122	0.928986663980671
KICH	ACTL6A	cg25575835	-0.0703188266810849	66	-0.563946625296132	0.574761404024883	0.00494473738580446	0.74185340895792
KICH	ACTL6B	cg05729836	-0.213717824141264	66	-1.75017973390848	0.0848799846434773	0.0456753083556763	0.211853064426586
KICH	ACTL6B	cg08572611	-0.0808415366294045	66	-0.648856020459466	0.518753077655875	0.00653535404460335	0.699529847862041
KICH	ACTL6B	cg09375063	-0.0984066721261108	66	-0.791093118206205	0.431811651791498	0.00968387311893587	0.625637525179592
KICH	ACTL6B	cg14088161	-0.0843415645430678	66	-0.677145250954262	0.500754198435262	0.00711349950957248	0.684585830751314
KICH	ACTL6B	cg16024950	-0.0788396989513113	66	-0.63268695217137	0.529192199981646	0.0062156981307334	0.707441927478649
KICH	ACTL6B	cg20497359	0.0778725949956295	66	0.624878316226554	0.534272530572935	0.00606414105135335	0.711047042259837
KICH	ACTL6B	cg24471254	0.123509600966344	66	0.995700510865671	0.323145482723704	0.0152546215308656	0.522582359144648
KICH	ACTL6B	cg26990587	-0.0777312899653857	66	-0.623737533693678	0.535016832905612	0.00604215343968287	0.711544765258986
KICH	AEBP2	cg02664216	-0.00357413027021065	66	-0.0285932247930166	0.977277992057951	1.2774407188436e-05	0.988112503270769
KICH	AEBP2	cg07849438	-0.213126767539609	66	-1.74510879147702	0.0857657632192447	0.0454230190418824	0.213410369238675
KICH	AEBP2	cg08161947	-0.333736118230502	66	-2.83227295754002	0.00617252715504346	0.111379796611564	0.0293368510202499
KICH	AEBP2	cg24304000	-0.161598955038686	66	-1.31000973592498	0.194875182231086	0.0261142222695954	0.376419084885352
KICH	AEBP2	cg26259627	-0.0884638693940863	66	-0.710496537611839	0.479977423531643	0.00782585618817395	0.667262883293495
KICH	AFF4	cg00931577	0.0288927406461502	66	0.231238463152404	0.817867238485387	0.000834790462045699	0.902041251096909
KICH	AFF4	cg01907658	-0.180087208389878	66	-1.46464364152153	0.147913395215474	0.0324314026256592	0.312803095400222
KICH	AFF4	cg05619425	0.272371938980133	66	2.26459523188043	0.0269324810913823	0.0741864731437974	0.0910989796957692
KICH	AFF4	cg06638012	0.0680615758170806	66	0.545758152918731	0.587129498861461	0.00463237810270421	0.751063114322829
KICH	AFF4	cg13393914	0.125779662535358	66	1.01429260710914	0.314262432562741	0.0158205235075087	0.513325529862153
KICH	AFF4	cg13565585	-0.212559336942557	66	-1.74024243574086	0.086622981006531	0.0451814717214596	0.214993242228882
KICH	AICDA	cg07999668	0.143178891916926	66	1.15735557263312	0.251428390898246	0.0205001950905587	0.44511344791066
KICH	AIRE	cg08089567	0.0727149775305878	66	0.583263858444012	0.561765478668716	0.00528746795727389	0.732063313860899
KICH	AIRE	cg09510531	0.083574618029803	66	0.670944227901768	0.504670365595981	0.00698471677882747	0.687872561036772
KICH	AIRE	cg11923631	0.0150657965911569	66	0.120540053489416	0.904432983528201	0.000226978226926116	0.949357680480391
KICH	AIRE	cg12843033	-0.0477124327607567	66	-0.382134670160928	0.703627470141604	0.00227647623994973	0.830697717731447
KICH	AIRE	cg15955655	-0.0334209215983155	66	-0.267516817053462	0.789931504311311	0.00111695800048075	0.884454971882472
KICH	AIRE	cg16501323	0.0326201185233993	66	0.261099899724192	0.794853838757292	0.00106407213248062	0.887641174991886
KICH	AIRE	cg16717549	0.0401071045483915	66	0.321115210058466	0.749169381564659	0.0016085798352556	0.859485951266662
KICH	AIRE	cg17356252	0.0846054634271599	66	0.679279242776436	0.499410329531206	0.00715808444172449	0.683593979021762
KICH	AIRE	cg18689454	0.00320841317887551	66	0.0256674375405558	0.979602461948983	1.0293915126382e-05	0.989532988293227
KICH	AIRE	cg18876487	0.0475912077393792	66	0.381161557405528	0.704345794305657	0.00226492305409275	0.83125507816725
KICH	AIRE	cg23272544	0.0731582842999235	66	0.586838801432015	0.559376423501926	0.00535213456170844	0.730161659572318
KICH	AIRE	cg27251412	0.0850743997334948	66	0.683071604640288	0.497026957493922	0.00723765349001447	0.681538348602792
KICH	ARID1A	cg04081153	0.0259461709691287	66	0.207639271291824	0.836169945053328	0.000673203787959258	0.912304771098407
KICH	ARID1A	cg04360147	0.186871902699164	66	1.52178250180188	0.132989413316564	0.0349211080184057	0.290701576879057
KICH	ARID1A	cg14851949	-0.0353335826979604	66	-0.282845277525283	0.778208260731631	0.00124846206627361	0.877300812675666
KICH	ARID1A	cg17385674	0.262050838132476	66	2.17232046368437	0.0335422394473652	0.0686706417659333	0.107262916741412
KICH	ARID1A	cg20413923	0.0128719277633111	66	0.102983953986607	0.918297721607205	0.000165686524343899	0.956973247886281
KICH	ARID1A	cg21294655	0.0850828919875505	66	0.68314028704525	0.496983850172459	0.00723909850896518	0.681519710103991

KICH	ARID1A	cg24542126	-0.353064677298056	66	-3.01894045281141	0.00364003752998209	0.12465466635558	0.0192229366375281
KICH	ARID1A	cg25601319	-0.268690518550945	66	-2.23158729049052	0.0291515147898047	0.0721945947591758	0.0966754600374315
KICH	ARID2	cg00035453	-0.109311220577436	66	-0.879761671383113	0.38227994195767	0.0119489429441289	0.580691159155214
KICH	ARID2	cg01183821	-0.138781036526073	66	-1.12109704668711	0.26643560426409	0.0192601760992513	0.462128818322617
KICH	ARID2	cg01353809	-0.208085530345128	66	-1.70193859993055	0.0936202730002133	0.0432995879390131	0.22722749025891
KICH	ARID2	cg01751433	0.148145250212694	66	1.19838544983774	0.235185882051543	0.0219470151605817	0.426372037666746
KICH	ARID2	cg06613666	0.179648490896925	66	1.46095642072666	0.148919752432024	0.0322735802815427	0.314209797577528
KICH	ARID2	cg07276957	-0.210634863534534	66	-1.72375160614692	0.0895806736199749	0.0443670457362116	0.220142750934809
KICH	ARID2	cg23465749	-0.11904099849096	65	-0.951625317953954	0.344923806141041	0.0141707593217248	0.544158556405997
KICH	ARID4A	cg02136725	-0.162835630069923	66	-1.32030689895581	0.191435084236195	0.0265154424202689	0.3719096013085
KICH	ARID4A	cg06154646	0.361068413231246	66	3.09750721994844	0.00289693607642496	0.13037039903333	0.0160025736795714
KICH	ARID4A	cg08066755	0.0713286881440665	66	0.572086687075576	0.569267341488115	0.00508778175235349	0.73752762155225
KICH	ARID4A	cg08790491	-0.0556217641815687	66	-0.445664040880134	0.657343923693018	0.00309378065067004	0.800410292848137
KICH	ARID4A	cg10064886	0.13880525427933	66	1.12129652484718	0.266351350464768	0.0192668986155495	0.462117314109146
KICH	ARID4A	cg10242170	0.0864570051757173	66	0.694255624107278	0.490034445703261	0.007474813743954	0.675986828777489
KICH	ARID4A	cg10844118	-0.153696077977545	66	-1.2443538258684	0.217907266796767	0.0236224843856797	0.405485706228303
KICH	ARID4A	cg12203852	0.203778787290863	66	1.66517064232226	0.100767106272836	0.0415257941497349	0.239551285459878
KICH	ARID4A	cg14272338	0.00934527065618803	66	0.0747654301059521	0.940634553343662	8.7334083637409e-05	0.968318554824381
KICH	ARID4A	cg14460816	-0.0425460273782067	66	-0.340676699112908	0.734462771395003	0.00181016444566711	0.850300566073917
KICH	ARID4A	cg17323045	0.216197503376224	66	1.77147605529992	0.081242309884799	0.0467413604661125	0.205210924490844
KICH	ARID4A	cg19548283	-0.150992366465975	66	-1.22194866023674	0.226208679214745	0.0227986947309954	0.415705983493024
KICH	ARID4A	cg20996579	0.282518416194755	66	2.35613171840924	0.021540418179139	0.079816655489193	0.077075067437291
KICH	ARID4A	cg26429530	-0.0230270576508869	66	-0.184265320602667	0.854387938913082	0.000530245384057267	0.922296996084204
KICH	ARID4A	cg27026909	-0.199521322954878	66	-1.62892253932517	0.10824239555113	0.0398087583136647	0.252121588056666
KICH	ARID4B	cg05652840	0.180799367837983	66	1.4706309419814	0.146290614684035	0.0326884114106144	0.310429610996682
KICH	ARID4B	cg06212607	0.00629142509847402	66	0.0503323969268663	0.960014265361428	3.95820297697088e-05	0.979061311921597
KICH	ARID4B	cg06891548	-0.268378562764323	66	-2.2287951397512	0.0293464125527034	0.0720270529514439	0.0971148042421731
KICH	ARID4B	cg07814876	-0.31568090805755	66	-2.66154424079438	0.00982319221785732	0.0996544357120391	0.0420089833102079
KICH	ARID4B	cg10107779	-0.0849095039907696	66	-0.681738014777381	0.497864366126362	0.00720962386795852	0.682181602790563
KICH	ARID4B	cg11732257	-0.356910901644289	66	-3.05659966271917	0.0032640993829841	0.12738539171254	0.0176252757270678
KICH	ARID4B	cg22596515	0.246763381231885	66	2.03710290362968	0.0457799340164887	0.0608921663169928	0.135293201984367
KICH	ARID4B	cg23687319	-0.297506649039855	66	-2.49293387070004	0.0152669709502262	0.0885102062229234	0.0592092695598931
KICH	ARID4B	cg26020585	0.360021902833616	66	3.08719031588436	0.00298571227223458	0.129615770519938	0.0163974384516633
KICH	ASH1L	cg03119126	-0.0284716378852639	66	-0.227865479578049	0.820477243313908	0.000810634163869596	0.903493568869606
KICH	ASH1L	cg08095278	0.21557496475995	66	1.76612612307086	0.0821437428798361	0.0464725654312535	0.206899253176001
KICH	ASH1L	cg09410084	0.203251977558372	66	1.66068008506275	0.10166969134399	0.0413113663813891	0.241100197177697
KICH	ASH1L	cg10558228	-0.161312091600337	66	-1.3076220776926	0.19567944541137	0.0260215908964756	0.377509343724138
KICH	ASH1L	cg17038116	-0.254518163944471	66	-2.10548309431819	0.039178737115819	0.0647794957776645	0.120636084511697
KICH	ASH1L	cg20064047	-0.0666001398799464	66	-0.533986705200514	0.595200707496154	0.00443557863202843	0.756643600031361
KICH	ASH1L	cg21852905	-0.111529611287216	66	-0.897838404411086	0.372636993485499	0.0124388541938774	0.571255316107889
KICH	ASH1L	cg23821590	0.0401779318367865	66	0.321683200721529	0.748741008665764	0.00161426620668146	0.859222581583757
KICH	ASH1L	cg24312492	-0.272188640909741	66	-2.26294924080032	0.0270394966072271	0.0740866562402917	0.0913576807410477
KICH	ASH1L	cg26185843	-0.112986206893907	66	-0.909714963538284	0.366386218982807	0.0127658829482727	0.565273305264068
KICH	ASH2L	cg00590869	0.104411750177437	66	0.839884680494189	0.404099670049424	0.0109018135751155	0.600599590207434
KICH	ASH2L	cg01642070	-0.0730795868158219	66	-0.586204138646232	0.559800185892696	0.00534062600917124	0.730505672420304
KICH	ASH2L	cg02897270	-0.0418151548338182	66	-0.334814079144601	0.738860210176518	0.00174850717377619	0.85295440123571
KICH	ASH2L	cg03189282	-0.28815701446261	66	-2.40736907083704	0.0189621148964033	0.0830344649840047	0.0698290540237066
KICH	ASH2L	cg03705346	-0.023251987021116	66	-0.186066201771236	0.852981343579215	0.000540654900430148	0.921673851914015
KICH	ASH2L	cg10062221	0.265776017373776	66	2.20553046855229	0.0310154318334906	0.0706368914110657	0.101161984992435
KICH	ASH2L	cg21453287	0.0621142185085796	66	0.497875121208408	0.62027855664199	0.00385817614093158	0.774837556929868
KICH	ASH2L	cg24318412	-0.00391984925671561	66	-0.0313590349738577	0.975080801474399	1.53652181953739e-05	0.986904268297721
KICH	ASH2L	cg27255459	0.0217631185672115	66	0.174146194142993	0.862300263001768	0.000473633329770506	0.926813014811853
KICH	ASXL1	cg00174466	0.295784795501205	66	2.47711799442285	0.0158967768678527	0.0874886452496897	0.0610099380213388
KICH	ASXL1	cg04218270	-0.236803773274612	66	-1.94988993348325	0.0555728023489874	0.0560760270370936	0.155696711417766
KICH	ASXL1	cg09065199	0.329060720302471	66	2.78773835625822	0.0069798869350129	0.108280957645981	0.0323210312037139
KICH	ASXL1	cg10421984	-0.240973194675716	66	-1.98631885535329	0.0512837667719648	0.0580680805522206	0.146972530936019
KICH	ASXL1	cg12592359	0.0533922397021978	66	0.427748050127918	0.670270473825967	0.00285073126041695	0.808978547047156

KICH	ASXL1	cg16926526	0.113151697416332	66	0.911064688330899	0.365680102246366	0.0128033066281972	0.564550860769078
KICH	ASXL1	cg18793288	0.0830514278055912	66	0.666714746839535	0.507350884589252	0.00689753966054732	0.690135595658966
KICH	ASXL1	cg24727216	-0.297249885860482	66	-2.49057371615763	0.0153595048595082	0.0883574946440696	0.0594762230483118
KICH	ASXL2	cg05165989	0.0936983068166234	66	0.752898729761521	0.454271368299633	0.0087793727003021	0.644588906985894
KICH	ASXL2	cg05496738	-0.214113060257405	66	-1.75357176691454	0.0842917110513238	0.045844402572791	0.210733340923826
KICH	ASXL2	cg06583696	0.108317694303788	66	0.871670174291591	0.386646609013906	0.0117327228992888	0.584598971888903
KICH	ASXL2	cg09476286	0.127564201024863	66	1.02891955641707	0.307390463558356	0.0162726253831115	0.50589463965937
KICH	ASXL2	cg19084174	-0.111639314295598	66	-0.898732678413805	0.372163984718289	0.0124633364963913	0.570814039734684
KICH	ASXL2	cg20667782	-0.104818810708206	66	-0.843195365816168	0.402259596991365	0.0109869830782826	0.598813277872639
KICH	ASXL2	cg24738909	0.031529945323551	66	0.25236503654797	0.801567660458881	0.000994137452106117	0.891739183898286
KICH	ASXL3	cg09963640	-0.367406485353749	66	-3.16028041542157	0.00240777960498849	0.134987525479995	0.0138104259080199
KICH	ASXL3	cg12361352	-0.344363070864651	66	-2.93438144766931	0.00463562724927458	0.118585924575333	0.0233307877485972
KICH	ASXL3	cg17880622	-0.0744140335462418	66	-0.596967400939732	0.55263523450122	0.00553744838862121	0.724865731512584
KICH	ASXL3	cg20034091	-0.340520694492046	66	-2.89731790347315	0.00514705356944315	0.115954343377345	0.025364873012876
KICH	ASXL3	cg20329085	-0.272271714274042	66	-2.26369519503233	0.0269909512941396	0.0741318863937255	0.0912315535835048
KICH	ASXL3	cg24880056	-0.321326044368685	66	-2.7145655010486	0.00851963404740032	0.103250426789626	0.037704881731907
KICH	ASXL3	cg27109877	-0.405590011453953	66	-3.54980794818869	0.000728739049700876	0.164503257391218	0.00515611874783356
KICH	ATAD2B	cg08192560	-0.11299725049233	66	-0.909805031676029	0.366339072200169	0.0127683786188263	0.565235577770347
KICH	ATAD2B	cg14009731	-0.194044328748101	66	-1.58243229778426	0.118480602374833	0.037653201519301	0.268422155662757
KICH	ATAD2B	cg15717719	0.274186395977512	66	2.28090320821744	0.0258922634293928	0.0751781797391368	0.0884532955310289
KICH	ATAD2B	cg16929802	0.240524841482572	66	1.98239596368056	0.0517315862107366	0.0578521993702162	0.147923510169744
KICH	ATAD2B	cg17933838	-0.0453411487063226	66	-0.363102618444942	0.717724770135626	0.00205581976600886	0.839705274033762
KICH	ATAD2B	cg19614157	-0.25161101384175	66	-2.07979846269527	0.0415543970127232	0.0633081022864735	0.12584222991295
KICH	ATAD2B	cg20806130	-0.346938257256614	66	-2.95931512574379	0.00431852119196597	0.120366154348256	0.0220718111561527
KICH	ATAD2B	cg27610867	-0.323727739978524	66	-2.73722047906177	0.00801254007125677	0.104799649631603	0.0359828324049543
KICH	ATAT1	cg01245721	0.0747580854114283	66	0.599742944519553	0.550795090067964	0.00558877133438241	0.72328866486219
KICH	ATAT1	cg05093836	0.0235234570375991	66	0.188239745024385	0.851284314468222	0.000553353030999768	0.920645767029608
KICH	ATAT1	cg06814856	-0.186639956536156	66	-1.51982544374428	0.133480064338817	0.034834473375818	0.291444408932733
KICH	ATAT1	cg07142893	-0.168859794756089	66	-1.37055948087193	0.175300345513073	0.0285136302850684	0.350943541492165
KICH	ATAT1	cg07816366	0.0230568738845729	66	0.18450404056311	0.854201457079578	0.000531619433329099	0.92216741958416
KICH	ATAT1	cg08081524	-0.429688757758013	66	-3.80686311218392	0.000317619597828709	0.184632428543624	0.00256369568307601
KICH	ATAT1	cg08188471	0.275497323848721	64	2.25659414197779	0.0275686670060317	0.0758987754478072	0.0926786604324458
KICH	ATAT1	cg08635134	-0.161270334354303	66	-1.30727454686383	0.195796715654952	0.0260081207427488	0.377641932306772
KICH	ATAT1	cg09532691	0.22329312275765	66	1.8326160761712	0.0715122136620836	0.0498598186708631	0.187244513557342
KICH	ATAT1	cg12907138	0.317105140193046	66	2.67489121653401	0.00947893537282109	0.100555669936851	0.0408495921632722
KICH	ATAT1	cg13542073	0.173726265875189	66	1.41126992462538	0.163008045815976	0.0301808154549369	0.333790989128995
KICH	ATAT1	cg13964084	-0.0815165069765943	66	-0.654309603587493	0.515256832045101	0.00664494090966515	0.696638627576368
KICH	ATAT1	cg15381130	-0.134508606143005	66	-1.0859373861177	0.281580077059624	0.0180925651265341	0.478689936481977
KICH	ATAT1	cg15729859	-0.17313251569531	66	-1.40629726900713	0.164472859190931	0.0299748679909869	0.336091452794832
KICH	ATAT1	cg18298197	0.0715314988857308	66	0.5737321670201789	0.568166926813008	0.00511675533283931	0.736762688045945
KICH	ATAT1	cg20629923	0.0123043732055316	66	0.098442437900744	0.921888655046429	0.000151397599981004	0.959045279896789
KICH	ATAT1	cg22759096	0.488834806285875	66	4.48278814238073	3.11963215681503e-05	0.238959467836549	0.000352488981855147
KICH	ATAT1	cg23328390	-0.186112785974707	66	-1.51537839290788	0.134600307882716	0.0346379691032671	0.293078155828146
KICH	ATAT1	cg26934609	-0.168889339984044	66	-1.3708063265969	0.175223734726657	0.0285236091602462	0.350817253945995
KICH	ATF7IP	cg00236831	0.174676127101858	66	1.41922831161732	0.160684696370131	0.0305117493793044	0.330623267295559
KICH	ATF7IP	cg11409060	-0.189951151743435	66	-1.54778896812766	0.126604187039438	0.0360814400486574	0.280951795029268
KICH	ATF7IP	cg12526346	-0.204707943669793	66	-1.67309450724498	0.0991903863946936	0.0419053422015149	0.236888835242488
KICH	ATF7IP	cg12948116	-0.222892306937788	66	-1.82915435572568	0.0720357715258283	0.0496809804920492	0.18822889975826
KICH	ATF7IP	cg17439009	-0.0643319527197839	66	-0.515723915749822	0.607824327726212	0.00413860014074051	0.765686330006807
KICH	ATF7IP	cg19789919	-0.0690098678732477	66	-0.55339825700061	0.5819188982863	0.0047623618638831	0.747211335698348
KICH	ATF7IP	cg21275967	-0.229704435940703	66	-1.88812307949827	0.0635439890634594	0.0527641278908365	0.171667630407097
KICH	ATF7IP	cg26637901	-0.187802841356357	66	-1.52964000326403	0.131033844453327	0.035269907221521	0.287720423816706
KICH	ATM	cg01756564	-0.354370180411446	66	-3.03170314759993	0.00350833548037854	0.12557822476484	0.0186795873219197
KICH	ATM	cg01800843	-0.0893163065200263	66	-0.717397666851688	0.475739092498446	0.0079774026103793	0.663528819438552
KICH	ATM	cg01991180	0.095066048336134	66	0.763988515768178	0.447681604333718	0.00903755354624817	0.639211924641096
KICH	ATM	cg02105423	0.274508077900824	66	2.28379716272566	0.0257114309317167	0.0753546848328046	0.0880018944037118
KICH	ATM	cg03165700	-0.279172787263017	66	-2.32585628863218	0.0232067228823919	0.077937445148202	0.0814980046908989

KICH	ATM	cg03569616	-0.196730093249297	66	-1.60521027213705	0.113371144349674	0.0387027295898772	0.260510721234882
KICH	ATM	cg04709886	-0.244355852068803	66	-2.01595935804079	0.0480063061998058	0.0597097824402708	0.140051098196493
KICH	ATM	cg04826772	0.161750437770544	66	1.31127071378173	0.194451434837114	0.0261632041189626	0.375820598785581
KICH	ATM	cg05033322	-0.273051949173683	66	-2.27070395702802	0.0265385819356617	0.0745573669475473	0.0900972059795904
KICH	ATM	cg05637308	-0.021298166351681	66	-0.170423988371556	0.865214327834873	0.000453611889943878	0.928427664640042
KICH	ATM	cg06053805	-0.285856503617796	66	-2.38643202688753	0.0199803305663754	0.081713940660591	0.0727521570831081
KICH	ATM	cg06081482	-0.286588850198929	66	-2.39309224311102	0.0196512522046982	0.082133169058344	0.071832981581256
KICH	ATM	cg06750635	-0.109979322905029	66	-0.885204343142005	0.379360224486777	0.0120954514666487	0.577872514269127
KICH	ATM	cg09808176	-0.263029152242056	66	-2.18103196397839	0.032862553866422	0.0691843349291747	0.105623430651315
KICH	ATM	cg10610482	-0.326900301359586	65	-2.74553352572978	0.00786363309135258	0.106863807028988	0.0354510589191401
KICH	ATM	cg10976287	-0.163574040621715	66	-1.32645831178941	0.189401940240373	0.0267564667653145	0.369308494133525
KICH	ATM	cg11588932	-0.142639175492432	66	-1.15290211049218	0.253238461229765	0.0203459343851609	0.447289820472898
KICH	ATM	cg12019961	-0.259692367701671	66	-2.15134871052916	0.0352291810101816	0.0674401258424998	0.111389160604213
KICH	ATM	cg12106634	0.153428672796791	66	1.24213662140106	0.218718640303615	0.0235403576361846	0.406522468134737
KICH	ATM	cg12848864	-0.342975732646811	66	-2.92098005549567	0.00481485311337821	0.117632353184617	0.0240600387398603
KICH	ATM	cg14761454	-0.151247302072287	66	-1.22406005822127	0.225416654368463	0.0228757463841458	0.414814253840091
KICH	ATM	cg15370815	0.35851941107822	66	3.07240156488702	0.00311740625034769	0.128536168119874	0.0169818006439409
KICH	ATM	cg15504467	0.142579204004865	66	1.15240732152951	0.25344013579234	0.020328829414661	0.44746316381075
KICH	ATM	cg16693212	-0.0353666272650238	66	-0.283110130358737	0.77800614539446	0.00125079832410312	0.877257869682499
KICH	ATM	cg16788234	0.37943768874687	66	3.28085254242919	0.00167758472429848	0.143972959641567	0.0103052768510799
KICH	ATM	cg17114932	-0.266505345719007	66	-2.21204481659875	0.030539880825063	0.0710250992968075	0.100021870454467
KICH	ATM	cg17420659	-0.0355023452119	66	-0.28419792204448	0.777176187705812	0.00126041651554492	0.876811270504771
KICH	ATM	cg18042593	-0.333169517699406	66	-2.82686349433806	0.0062657834859485	0.111001927524055	0.0296785411900802
KICH	ATM	cg18391757	-0.24006453254493	66	-1.9783698656987	0.0521946653250843	0.0576309797860158	0.148881010314216
KICH	ATM	cg18457775	-0.299768366251477	66	-2.51374918753001	0.0144723728486446	0.0898610734050795	0.0567729198420381
KICH	ATM	cg19288979	0.282203511968881	66	2.35327811267556	0.0216927951364156	0.0796388221675702	0.0774789635389705
KICH	ATM	cg20342375	-0.167849411315347	66	-1.36212017011064	0.177934974595745	0.0281734248789086	0.354466554344355
KICH	ATM	cg22477592	-0.0191937324751199	66	-0.153578151453694	0.878425594033642	0.000368399366326471	0.935421717494005
KICH	ATM	cg22678707	0.186678203482015	66	1.52014813623871	0.133399064027716	0.0348487516552724	0.291326898741569
KICH	ATM	cg22837512	-0.347496786853445	66	-2.96473297471303	0.00425233379996515	0.120754016873468	0.0218094709674637
KICH	ATM	cg23275463	-0.118041496043006	66	-0.950980593956283	0.345191860275353	0.0139337947880711	0.54440480017558
KICH	ATM	cg23389069	0.0352163890765144	66	0.281905975903378	0.778925187309457	0.00124019405958844	0.877741106792967
KICH	ATM	cg24030675	-0.212054807015953	66	-1.73591707275675	0.087390834330466	0.044967241178573	0.216284877864164
KICH	ATM	cg24568245	-0.27463541123929	66	-2.28494292358779	0.0256401460836881	0.0754246091065737	0.087835198574769
KICH	ATM	cg25400013	-0.223805185191869	66	-1.83704002239808	0.0708477759342381	0.0500887609187669	0.185967941459261
KICH	ATM	cg25740661	0.165619589662755	66	1.34351098862569	0.183850952688947	0.0274298484800592	0.362171153262363
KICH	ATM	cg25918541	-0.253409956005589	66	-2.09568494438292	0.0400707056801557	0.0642166058027544	0.12263505557583
KICH	ATM	cg27453365	0.117220073648579	66	0.944270424151354	0.348582720432736	0.0137405456661783	0.547756080968339
KICH	ATM	cg27599391	-0.275672331562427	66	-2.29427810659638	0.0250658377859011	0.0759952343890644	0.0863858705361623
KICH	ATR	cg00911981	0.399108096343905	66	3.48222407613078	0.000901739855484748	0.159287272567256	0.0061648607362317
KICH	ATR	cg00969988	-0.355949310932517	66	-3.04716794843807	0.00335469776537261	0.126699911953334	0.018008236127477
KICH	ATR	cg11458642	0.39631510462683	66	3.45329547001787	0.00098712733879705	0.157065662155375	0.00664421823975661
KICH	ATR	cg11936145	-0.0423682860366943	66	-0.339250914913394	0.735531411340248	0.00179507166168715	0.850913814862856
KICH	ATR	cg15135999	0.110238551073639	66	0.887316462788124	0.378230970590455	0.0121525381428152	0.576821833465447
KICH	ATR	cg15291273	-0.0460482654059708	66	-0.368777316326259	0.713510874546286	0.00212044274689873	0.837003337639002
KICH	ATR	cg15480357	-0.0293235602691943	66	-0.23468940518211	0.815199046971605	0.000859871186861068	0.900562264415067
KICH	ATR	cg16031872	0.174681994048653	66	1.41927748034838	0.160670422207913	0.0305137990448135	0.330614051347468
KICH	ATR	cg17945282	-0.110878301358678	66	-0.892529757105732	0.375452742088874	0.0122939977121858	0.574040037493458
KICH	ATR	cg20032934	-0.380256667900259	66	-3.28912945450505	0.00163600939963314	0.144595133482608	0.0101001281830855
KICH	ATR	cg20636078	0.100901192552679	66	0.81135030600391	0.420171771182099	0.0101810506585528	0.615436761141634
KICH	ATR	cg24631870	-0.194136663244594	66	-1.58321476958337	0.118302065986199	0.0376890440157448	0.268124805853148
KICH	ATR	cg24856922	0.343293422219377	66	2.92404695158284	0.00477328011290526	0.117850373739091	0.0238968114488289
KICH	AURKB	cg02245743	0.0431314134753027	66	0.345372709025897	0.730946793985798	0.00186031882837753	0.847958885329802
KICH	AURKB	cg04612488	-0.164706620568653	66	-1.33589785279179	0.186313754673687	0.0271282708591462	0.365256091706184
KICH	AURKB	cg05617798	-0.0837414519780712	66	-0.672293034460465	0.503817142028246	0.00701263077939561	0.687151096223535
KICH	AURKB	cg05811247	-0.191575905877915	66	-1.56153022178364	0.123330363031245	0.0367013277129438	0.275930006662238
KICH	AURKB	cg11009596	-0.0847963075364597	66	-0.680822574179138	0.498439648518248	0.00719041377181785	0.682717339545541

KICH	AURKB	cg12844497	-0.0352345624508101	66	-0.282051633919792	0.778814000480939	0.00124147439110003	0.877694985904261
KICH	AURKB	cg13678641	-0.0877454428202772	66	-0.704681548525217	0.483565001987883	0.00769926273572654	0.670417304046289
KICH	AURKB	cg21724796	-0.164472020095488	66	-1.33394211947086	0.186950433179035	0.0270510453942907	0.366061464856025
KICH	BAP1	cg00794529	-0.136472590213689	66	-1.10209206338459	0.274548976361825	0.0186247678796335	0.470996311849236
KICH	BAP1	cg02503646	-0.1634787706508	66	-1.32566452603472	0.189663380557824	0.0267253084534969	0.369652336893784
KICH	BAP1	cg03075736	-0.101272080422867	66	-0.814363475984744	0.418456647623573	0.0102560342731756	0.613914239151137
KICH	BAP1	cg05442719	0.34991407641306	66	2.98822267254675	0.00397611813845323	0.122439860872005	0.020658394073521
KICH	BAP1	cg05908979	0.0227459855272465	66	0.182014975750931	0.856146257655141	0.000517379857605709	0.923451860241029
KICH	BAP1	cg09096430	-0.0421937939040197	66	-0.337851226218017	0.736581002307585	0.00178031624401489	0.851448152162312
KICH	BAP1	cg10449522	-0.174603834214705	66	-1.41862246421896	0.160860660289241	0.0304864989224762	0.33087422877611
KICH	BAP1	cg10956904	-0.221153100614045	66	-1.81414465567098	0.0743431797036429	0.0489086939112059	0.192616952334716
KICH	BAP1	cg11234564	0.0512294289505183	66	0.410374289691724	0.68290201841173	0.0026244543905962	0.817267854598519
KICH	BAP1	cg12859382	0.0319272208159842	66	0.255548045858084	0.799119358026667	0.00101934742903262	0.890293526809098
KICH	BAP1	cg16841708	0.266299675718431	66	2.21020736232186	0.0306733627193839	0.0709155172877413	0.100323883934906
KICH	BAP1	cg24291822	-0.278987899440223	66	-2.32418588563673	0.0233019076787304	0.0778342480340678	0.081736342589916
KICH	BAP1	cg24747396	0.262257513413502	66	2.17416022498344	0.0333976817015311	0.0687790033418334	0.106901695756425
KICH	BAP1	cg25749966	-0.198276447559055	66	-1.61834191883024	0.110507190395829	0.0393135496566388	0.255839534113783
KICH	BAZ1A	cg05294307	0.0144724070770714	66	0.115791383537047	0.908180436129459	0.000209450566604466	0.951323470339794
KICH	BAZ1A	cg07414384	-0.171636631253964	66	-1.3937762357868	0.168206157665739	0.0294591331882093	0.341283596588625
KICH	BAZ1A	cg23422263	0.124146814712324	66	1.00091775732809	0.32063600219702	0.0154124316032161	0.520036634106431
KICH	BAZ1A	cg26967526	-0.0145174703617161	66	-0.116152003459452	0.907895775403761	0.000210756945703305	0.951176142483871
KICH	BAZ1B	cg00525989	0.303048123897319	66	2.5440167319995	0.0133834703146849	0.0918381653976847	0.0535049945865975
KICH	BAZ1B	cg04742505	0.411323262417008	66	3.6101194476171	0.000601431539764362	0.169186826205371	0.0043833944204879
KICH	BAZ1B	cg05166819	-0.129792143789386	66	-1.04719513915132	0.298948410791186	0.0168460005894446	0.497218324013629
KICH	BAZ1B	cg06059318	0.236614378305312	66	1.94823788815521	0.0557743553378255	0.0559863640208092	0.156103315388592
KICH	BAZ1B	cg06394887	0.312997934084956	66	2.63645531624093	0.0105013305095872	0.0979677067414502	0.0442714195882961
KICH	BAZ1B	cg14093368	0.102108931431757	66	0.82116348951289	0.414601553428177	0.0104262338781353	0.610168619890118
KICH	BAZ1B	cg15636799	-0.313799648321276	66	-2.64394490338718	0.0102945573660744	0.0984702192865564	0.0435910513681904
KICH	BAZ1B	cg19160975	-0.342511303615911	66	-2.91649861685331	0.00487620404239243	0.117313993104671	0.0242932703985832
KICH	BAZ1B	cg20612831	-0.159718029883231	66	-1.29436036105425	0.20019192130779	0.0255098490697807	0.38314587364918
KICH	BAZ1B	cg21340129	-0.0759788721382371	66	-0.609593049834884	0.544289626416065	0.00577278901139859	0.718436083722287
KICH	BAZ1B	cg25710357	0.37422924410976	66	3.22842338572285	0.00196493393849363	0.140047527146962	0.0117214991803675
KICH	BAZ2A	cg14634319	0.143760737152293	66	1.1621578409759	0.249486924246596	0.0206671495465707	0.443033270182853
KICH	BAZ2A	cg18206859	0.200747680496428	66	1.6393538016707	0.106046524430567	0.040299631224696	0.248360277013323
KICH	BAZ2A	cg18955060	-0.0762776671508954	66	-0.612004341573474	0.542703074778705	0.00581828250598279	0.717230276558416
KICH	BAZ2A	cg25683012	0.144033802561987	66	1.16441201438854	0.248579311810862	0.0207457362804654	0.441940237745142
KICH	BRD7	cg03021120	-0.214090761392463	66	-1.75338036746653	0.084324814943008	0.0458348541136045	0.210781474943121
KICH	BRD7	cg16433860	-0.319249136611639	66	-2.69502134169096	0.00898051462140642	0.101920011227277	0.0392797792903234
KICH	BRD7	cg16834187	0.242258780342129	66	1.99757465711694	0.0500172514398233	0.0586893166528559	0.144321132692022
KICH	BRD8	cg01096096	0.226148735000227	66	1.85730754995825	0.0678696664414473	0.051143250342203	0.180298211690546
KICH	BRD8	cg03204906	-0.448062543390275	66	-4.00949829227215	0.00016155571581804	0.200760042789362	0.00145019333186591
KICH	BRD8	cg03684156	-0.0388155588476745	66	-0.310758660921824	0.756993954691492	0.00150664760865728	0.864535838502429
KICH	BRD8	cg07430605	-0.058166087378767	66	-0.466117873936365	0.642713721543765	0.00338329372095436	0.790189984255641
KICH	BRD8	cg07632946	0.249029935149796	66	2.05704506499231	0.0437622273187324	0.0620159086007115	0.130824221343944
KICH	BRD8	cg08976717	0.142624455745351	66	1.15278066544134	0.253287951287035	0.0203417353766576	0.447332155372874
KICH	BRD8	cg11110536	-0.0318554287015071	66	-0.254972831626918	0.799561651633603	0.0010147683377568	0.890542727586256
KICH	BRD8	cg11346339	0.075588629019529	66	0.606444015620978	0.546365136163666	0.00571364083705199	0.719990673217404
KICH	BRD8	cg12964860	-0.41504889639128	66	-3.64958719851327	0.000529909564972011	0.172265586395619	0.00393780657222009
KICH	BRD8	cg14473243	0.323344853429415	66	2.73360480246037	0.00809157077803071	0.10455189423929	0.0362434164616606
KICH	BRD8	cg22106577	0.0815698889483717	66	0.654740954469856	0.514980832082	0.0066536467830497	0.696402179382085
KICH	BRD8	cg22818036	0.0147734210125991	66	0.118200267643415	0.906279178225047	0.000218253968415504	0.950392079494029
KICH	BRD8	cg23298160	-0.417912999588196	66	-3.68007885975897	0.000480285711423333	0.174651275224804	0.00362012853739626
KICH	BRD8	cg26008208	-0.14557075283524	66	-1.17710472615575	0.243512883832357	0.0211908440810186	0.436192523252462
KICH	BRD8	cg26630792	0.113926562894028	66	0.917385440401108	0.362384942672493	0.0129792617328469	0.561323979656013
KICH	BRD8	cg27119451	-0.0341964638175773	66	-0.27373180809205	0.785172227779843	0.00116939813762687	0.881368205110719
KICH	BRD9	cg02364331	-0.223771317257175	66	-1.83674737210488	0.0708915688242715	0.0500736024270112	0.186064058877037
KICH	BRD9	cg02822723	-0.0046493112448975	66	-0.0371948919655126	0.970445387017174	2.16160950519304e-05	0.984351371505497

KICH	BRD9	cg05193570	0.043230634980092	66	0.346168706353017	0.730351388736296	0.00186888780078196	0.847495650950186
KICH	BRD9	cg07308931	-0.281749818821761	66	-2.34916827938225	0.0219139395426373	0.0793829604060949	0.078035933936644
KICH	BRD9	cg09497020	-0.229347569845677	66	-1.88502671749963	0.063967833146086	0.0526003077941175	0.172507144998323
KICH	BRD9	cg10551270	-0.44314833971445	66	-3.95470294270144	0.000194303817009836	0.196380450991674	0.00169401223136425
KICH	BRD9	cg10600960	-0.109394016404689	66	-0.880436098967464	0.381917382066867	0.0119670508251493	0.58038132560771
KICH	BRD9	cg13722821	-0.324250899525219	66	-2.74216321158712	0.00790564711334565	0.105138645842913	0.0356053905827367
KICH	BRD9	cg17977043	-0.0625062991055718	66	-0.501030122461671	0.618068844932032	0.00390703742787521	0.773222174878465
KICH	BRD9	cg20079193	0.120091794240135	66	0.967738075773888	0.336818125608326	0.014422039043815	0.536429375252306
KICH	BRD9	cg21160852	0.19783386843647	66	1.61458225550228	0.111321117613784	0.0391382395005386	0.257083507203192
KICH	BRD9	cg21758832	0.324316687371245	66	2.74278496410902	0.00789229387076471	0.105181313707458	0.035551424978707
KICH	BRD9	cg21910709	-0.00451041933891139	66	-0.0360837217546577	0.971327914373518	2.03438826128259e-05	0.984832616698721
KICH	BRD9	cg24953233	-0.212233018829684	66	-1.73744472625847	0.0871190003882472	0.0450428542815612	0.215783346541876
KICH	BRD9	cg25523559	-0.184835662080824	66	-1.50461057497617	0.137343613678034	0.0341642219768566	0.29727912641465
KICH	BRD9	cg25951128	-0.263001275691935	66	-2.1807836344541	0.0328817605740748	0.0691696710155851	0.105663335210028
KICH	BRD9	cg26504197	-0.233987847646776	66	-1.92535145896864	0.0586312798410501	0.0547503128463708	0.161932821527129
KICH	BRDT	cg00308185	-0.140947571504304	66	-1.13895064627581	0.25896898009298	0.0198662179129609	0.453692891281462
KICH	BRDT	cg01515515	0.0609449656657889	65	0.484636545803821	0.629614957331396	0.00371428884000419	0.781471129611159
KICH	BRDT	cg02935097	-0.624895839578828	66	-6.40337470850519	2.04589067906747e-08	0.390494810322929	5.25794580400974e-07
KICH	BRDT	cg03421440	-0.0801302988284352	66	-0.643110377930974	0.522450086645585	0.00642086479033433	0.702263188604866
KICH	BRDT	cg06442199	0.0969849042541333	66	0.779554167299231	0.438526649059065	0.00940607165318341	0.631224529325438
KICH	BRDT	cg09250199	-0.548775155421779	66	-5.25162539493825	1.83575928908148e-06	0.301154171208198	2.92465816372731e-05
KICH	BRDT	cg13299824	-0.244456603733837	66	-2.01684338681574	0.047911387269679	0.0597590311090822	0.139863351767699
KICH	BRDT	cg14732540	-0.364997419884992	66	-3.13636155209311	0.00258425508232058	0.133223116522701	0.0146178680923469
KICH	BRDT	cg19245011	-0.152916163600264	66	-1.23788790440102	0.220279636795506	0.0233833530902226	0.408447957689657
KICH	BRPF1	cg04879506	-0.13229123886787	66	-1.06771416839843	0.289660437688762	0.0175009718811959	0.487135008975035
KICH	BRPF1	cg13694772	0.308080712370642	66	2.59065455791321	0.0118501751898662	0.0949137253348022	0.048699024232459
KICH	BRPF1	cg14712964	0.227583672375863	66	1.86973394890796	0.0660963763072372	0.0517943279320839	0.17670549113722
KICH	BRPF1	cg17738494	0.207745296941852	66	1.69903019537376	0.0941700182441905	0.0431581084014582	0.228122471018957
KICH	BRPF1	cg20952324	-0.0109090808635238	66	-0.0872778404453075	0.930723173370833	0.000119008045286902	0.963372900695398
KICH	BRPF1	cg25467642	-0.149677853230111	66	-1.21106570142616	0.230323328974886	0.0224034597475747	0.420545769475479
KICH	BRPF1	cg26227975	-0.109201457026391	66	-0.878867602156298	0.382760910029858	0.0119249582166868	0.581038933691002
KICH	BRPF3	cg01499736	0.127404888709821	66	1.02761334417959	0.307999970290739	0.016232005667162	0.506586952699855
KICH	BRPF3	cg05882415	0.0351569574528222	66	0.281429638556185	0.779288827764572	0.00123601165733955	0.877985127476388
KICH	BRPF3	cg10562781	0.156569239464491	66	1.26819457847874	0.209322466712492	0.024513926746489	0.394745666899499
KICH	BRPF3	cg14654948	0.028921608194591	66	0.231469693311859	0.817688388573534	0.000836459420561434	0.90194319062364
KICH	BRPF3	cg18779695	-0.0689142037084041	66	-0.552627451572535	0.58244358824813	0.00474916747276341	0.747662929296817
KICH	BRPF3	cg23517469	0.0211979737241552	66	0.16962190422365	0.865842515923477	0.000449354090009972	0.92874776887639
KICH	BRWD3	cg03164831	0.0413019909877368	66	0.330698109716148	0.741952761859055	0.0017058544595511	0.854837356615917
KICH	BRWD3	cg05835545	0.0561419637847902	66	0.449845207865222	0.654342030639502	0.00315192009761269	0.798335716503667
KICH	BRWD3	cg09523186	-0.0411879168707609	66	-0.329783183136166	0.742640777804669	0.00169644449615271	0.855321788968848
KICH	BRWD3	cg11957438	0.06946987065747	66	0.557104902778024	0.579398934245245	0.00482606292916561	0.745415107009899
KICH	BRWD3	cg15511898	0.00430804455593342	66	0.0344646762681866	0.97261387674584	1.85592478959076e-05	0.98558207323099
KICH	BRWD3	cg22618269	-0.0407940098603955	66	-0.326623967887036	0.745018092292037	0.00166415124049005	0.856808253086257
KICH	BRWD3	cg25063710	-0.0214027444695266	66	-0.171261185694712	0.864558732271425	0.000458077470827851	0.92809905086829
KICH	BRWD3	cg25708850	0.0148333078984905	66	0.118679520256969	0.905900984121774	0.000220027023211419	0.950176774107366
KICH	CARM1	cg12317676	0.0150652035752418	66	0.12053530774648	0.90443672759803	0.000226960358763479	0.949357680480391
KICH	CARM1	cg17918830	-0.164456971670257	66	-1.3338166770863	0.186991326340382	0.0270460955309516	0.366113891257235
KICH	CARM1	cg22378614	-0.179731581597215	66	-1.46165469100954	0.148728763183325	0.0323034414234365	0.313918418430998
KICH	CARM1	cg26504915	-0.0885065182128058	66	-0.710841774834069	0.479764896333893	0.00783340376615373	0.667050871200295
KICH	CBX1	cg01544580	-0.10144953444734	66	-0.815805270542092	0.417637459454438	0.010292008039582	0.613064114937725
KICH	CBX1	cg01553295	0.0869661797988484	66	0.698375398034542	0.487472382483882	0.00756311642880563	0.673757244789041
KICH	CBX1	cg02835499	-0.0815049965456625	66	-0.654216594754976	0.515316354070485	0.00664306446190845	0.696682509083134
KICH	CBX1	cg04864609	-0.250974121361209	66	-2.07417958439427	0.0420904436110942	0.062988009593031	0.12708157922384
KICH	CBX1	cg11729481	0.156221415204632	66	1.26530668009874	0.210348822750235	0.0244051305685379	0.396029198122746
KICH	CBX1	cg12245530	0.0766953748690191	66	0.615375543330336	0.540488894873529	0.00588218052629936	0.71578137283048
KICH	CBX1	cg13342109	0.121812123761078	66	0.981808344368608	0.329891322218507	0.0148381934951842	0.529549667182521
KICH	CBX1	cg17778721	0.113589372029187	66	0.914634690903261	0.363816628169652	0.0129025454379851	0.562757257905273

KICH	CBX1	cg21511817	-0.0463658983098348	66	-0.371326539478385	0.711620781175122	0.00214979652607794	0.835809270789422
KICH	CBX4	cg04398978	0.0791301987664753	66	0.635032869379999	0.527670864510479	0.00626158835682189	0.706221525474446
KICH	CBX4	cg04925705	0.0568450585810619	66	0.455497001682617	0.650293377471514	0.00323136068508436	0.795423317720424
KICH	CBX4	cg05949524	-0.228406083635817	66	-1.87686172384981	0.0650969670094876	0.052169339041852	0.174794748430763
KICH	CBX4	cg07159673	0.10870427624126	66	0.874818267323481	0.384944015082921	0.0118166196731361	0.583062867021785
KICH	CBX4	cg10756274	-0.189274644280702	66	-1.54207134754327	0.127986640832602	0.0358248909675863	0.282999573398821
KICH	CBX4	cg21365914	0.12649658158467	66	1.0201676150307	0.311489930754638	0.0160013851526072	0.510370080897681
KICH	CBX4	cg22353329	0.164043966514238	66	1.33037427475906	0.1881161610638	0.0269104229497246	0.36758536707016
KICH	CBX4	cg27487227	-0.110182853787422	66	-0.88686264121034	0.37847342935985	0.0121402612687404	0.577064050088592
KICH	CBX5	cg03689456	-0.140193266571162	66	-1.13273282309979	0.261552341623664	0.0196541519918928	0.456922208445158
KICH	CBX5	cg05754589	-0.143498332136917	66	-1.15999192523553	0.250361231649399	0.0205917713260769	0.443992104655741
KICH	CBX5	cg06399839	-0.141733002026048	66	-1.14542719216748	0.256297420617528	0.0200882438633157	0.450571422763612
KICH	CBX5	cg06621757	0.150246858837119	66	1.21577573365355	0.228535913099033	0.0225741185904211	0.418460735857134
KICH	CBX5	cg08288469	0.247707285675653	66	2.04540344920859	0.0449305553332163	0.0613588993767995	0.13341742427322
KICH	CBX5	cg09060496	-0.122918762723658	66	-0.990864085801119	0.325483464721014	0.0151090222295149	0.524887693923976
KICH	CBX5	cg09158487	-0.00557564548058618	66	-0.0446058571995643	0.964560359304472	3.10878225251811e-05	0.981401909412
KICH	CBX5	cg09653879	-0.0981525927548283	66	-0.789030674121422	0.433007379001402	0.00963393146449517	0.62670467054949
KICH	CBX5	cg11005091	-0.00763913214474311	66	-0.0611148404031617	0.95145820301041	5.83563399248474e-05	0.97428932597068
KICH	CBX5	cg11338003	-0.120621238962864	66	-0.972067361265043	0.33467668909453	0.0145494832889363	0.534256651487261
KICH	CBX5	cg12263485	0.010517559085879	66	0.0841451268427048	0.933203701094932	0.000110619049124955	0.964483648722339
KICH	CBX5	cg12600134	-0.264010841761471	66	-2.18978078637277	0.0321921333484199	0.0697017245676004	0.10404033159017
KICH	CBX5	cg13445218	-0.183436382489556	66	-1.4928218838417	0.140397413459578	0.0336489064208546	0.301933948606625
KICH	CBX5	cg14017196	-0.0110757161475303	66	-0.0886111643786353	0.929667635782132	0.000122671488180663	0.962721990043464
KICH	CBX5	cg14394617	-0.0155750421013954	66	-0.124615452456799	0.901218581422445	0.000242581936460238	0.947923883170559
KICH	CBX5	cg15708001	-0.0863319004203246	66	-0.693243475212764	0.490665027962031	0.00745319703018485	0.676466787919252
KICH	CBX5	cg20545544	-0.0811885062536153	66	-0.651659331176896	0.516954333432529	0.00659157354769333	0.698009910384808
KICH	CBX5	cg20927027	0.117316907692537	66	0.945061355495314	0.348181915273555	0.0137632568305393	0.547416364475853
KICH	CBX5	cg21826008	-0.148852947841739	66	-1.20423960329462	0.232931796015348	0.0221572000811755	0.423648005499216
KICH	CBX5	cg24505978	-0.181088352392424	66	-1.47306118799594	0.145635919730811	0.0327929913722027	0.309568440314662
KICH	CBX5	cg25817259	0.506134466115253	66	4.69482779009896	1.45412996545671e-05	0.256172097789772	0.000181518912921597
KICH	CBX6	cg03028106	-0.0806549810173805	66	-0.647348858935378	0.519721514100812	0.00650522596291401	0.700193943432239
KICH	CBX6	cg04134624	0.0431320669561605	66	0.345377951495171	0.730942872080458	0.00186037519991071	0.847958885329802
KICH	CBX6	cg04215348	-0.0241238451346458	66	-0.19304694204206	0.847533531380107	0.000581959904080375	0.918683882180106
KICH	CBX6	cg04801716	0.190683091014864	66	1.55397765654402	0.125121272190987	0.0363600411989829	0.278590808232223
KICH	CBX6	cg06060673	-0.157462485750117	66	-1.27561319944399	0.206702923709109	0.0247944344186058	0.39142712131087
KICH	CBX6	cg09913544	0.198406823858983	66	1.61944964820903	0.110268298384724	0.0393652677538095	0.255441662424286
KICH	CBX6	cg14498989	0.0554152539337023	66	0.444004291021957	0.658537124862341	0.00307085036853671	0.801273728283611
KICH	CBX6	cg24649346	0.052145327712523	66	0.417730941752324	0.677542024345804	0.00271913520224642	0.813644498262724
KICH	CBX6	cg25836955	0.176547222520568	66	1.43491721415427	0.156179635212446	0.0311689217797268	0.324550711043809
KICH	CBX7	cg00545295	-0.188009352975874	66	-1.53138362365976	0.130603003075391	0.0353475168064069	0.287098534042979
KICH	CBX7	cg01525244	-0.146788931209792	66	-1.18717108037847	0.239547918981641	0.0215469903257129	0.431484656029494
KICH	CBX7	cg02523424	-0.0742300397335286	66	-0.59548316961194	0.553620523271693	0.00551009879884123	0.725508397274364
KICH	CBX7	cg03804568	-0.107248022280316	66	-0.862961483205649	0.391381011954868	0.0115021382830393	0.588486111639743
KICH	CBX7	cg10339854	-0.0455700520180904	66	-0.364939535197446	0.716359749465999	0.00207662964093146	0.838753956081363
KICH	CBX7	cg22268271	-0.133051239984014	66	-1.07395831111044	0.286873904735777	0.0177026324612837	0.48425883790854
KICH	CBX7	cg26672614	-0.0278606910670105	66	-0.222972082819585	0.824267352155685	0.000776218106731399	0.905539377416248
KICH	CBX7	cg27062573	0.015699462025317	66	0.125611177045093	0.900433470330631	0.000246473107884371	0.947446095938529
KICH	CDYL2	cg01442398	0.033706786118745	66	0.269807603116709	0.7881763365736	0.00113614743045482	0.883341592027525
KICH	CDYL2	cg02461391	-0.0476269679727919	66	-0.381448614696578	0.704133868670254	0.00226832807828134	0.83109376694483
KICH	CDYL2	cg06919916	-0.146613459293175	66	-1.18572073810745	0.240116293714196	0.0214955064459114	0.432098558971467
KICH	CDYL2	cg10112854	-0.0625545904422371	66	-0.501418730142685	0.617796914320631	0.00391307678539602	0.772993858506782
KICH	CECR2	cg03927893	-0.0949147930051966	66	-0.7627619087804	0.448407731539304	0.00900881793121933	0.639766527508524
KICH	CECR2	cg12632097	-0.0696584546447319	66	-0.558624592387702	0.578367290174831	0.00485230030349217	0.744629699653462
KICH	CECR2	cg13466481	-0.217481808365292	66	-1.78252020307526	0.0794074159354358	0.0472983369698377	0.201929279395963
KICH	CECR2	cg26796679	-0.117103473080221	65	-0.935919390543353	0.352888544413428	0.0137132234074501	0.551911128125655
KICH	CHAF1A	cg03006338	0.0567261452255339	66	0.454541074836977	0.650977416470424	0.00321785555214836	0.795934635791975
KICH	CHAF1A	cg04346879	0.0398877115302	66	0.319355845663935	0.750496778917142	0.00159102953111645	0.86017158628479

KICH	CHAF1A	cg05297461	0.00231089555573744	66	0.0184872138090287	0.985307692573831	5.34023826952704e-06	0.992349067037216
KICH	CHAF1A	cg07783855	0.246969071631526	66	2.0389111851109	0.0455937255777495	0.0609937223425378	0.134894587647199
KICH	CHAF1A	cg09700233	0.0155857203540357	66	0.124700909592893	0.901151196101966	0.000242914678954201	0.947878637482339
KICH	CHAF1A	cg18804734	-0.0676938964088327	66	-0.542796271395966	0.589155453272297	0.00458246361100977	0.752479261387728
KICH	CHAF1A	cg23811775	0.0829231951996382	66	0.665678196529034	0.508008985095456	0.0068762563021173	0.690656419610211
KICH	CHAF1A	cg24085258	0.0693593203979363	66	0.556214069897359	0.580004088469033	0.00481071532606358	0.745928649326338
KICH	CHAF1B	cg00660452	0.0361577290877197	66	0.28945110607732	0.77317181948151	0.00130738137278093	0.874220640748009
KICH	CHAF1B	cg02544117	-0.0580298931378444	66	-0.465022780157096	0.643493502071483	0.00336746849758964	0.790736297152792
KICH	CHAF1B	cg02908490	-0.0169041697449762	66	-0.135252683632232	0.892836587049048	0.00028575095476697	0.943213914541121
KICH	CHAF1B	cg04634639	-0.0926796224408556	66	-0.744641932175449	0.459213858830618	0.00858951241577955	0.649119809905406
KICH	CHAF1B	cg07872789	-0.165080504773529	66	-1.33901519872734	0.185302312028859	0.0272515730562831	0.363959367979052
KICH	CHAF1B	cg13854874	-0.218841122882114	66	-1.79421996919663	0.077501350724309	0.0478914370643046	0.19847060302156
KICH	CHAF1B	cg25942896	-0.0946106176534057	66	-0.76029535628451	0.449869952561146	0.00895116897275892	0.640947083492668
KICH	CHD1	cg03255775	0.15464617974126	66	1.2522391446581	0.215041516719227	0.0239154409085661	0.402070318736164
KICH	CHD1	cg03833628	-0.00380615145543601	66	-0.0304494322015351	0.975803379579328	1.44867889017176e-05	0.987314475932137
KICH	CHD1	cg08865521	0.257657810299634	66	2.13329040839727	0.0367406846701332	0.0663875472084023	0.114981286637233
KICH	CHD1	cg11365324	-0.156778837363337	66	-1.26993505122537	0.208705700169731	0.0245796038449996	0.393916375257879
KICH	CHD1	cg12662497	-0.268136308008163	66	-2.22662736725884	0.0294985177382962	0.0718970796722486	0.0974813172309168
KICH	CHD1	cg16890600	0.159541010447744	66	1.2928882998597	0.200697566870154	0.0254533340146872	0.383735864427555
KICH	CHD1	cg21082921	-0.251904041785598	66	-2.08238462143884	0.0413096696006652	0.0634556462679203	0.125298051969516
KICH	CHD4	cg00079216	-0.0625589239187456	66	-0.501453602455593	0.617772514825762	0.00391361896187141	0.772988194527452
KICH	CHD4	cg00824109	-0.179486544517596	66	-1.4595955629018	0.149292521711121	0.0322154196628669	0.314744239403657
KICH	CHD4	cg04344119	-0.10035706897458	66	-0.806930351291203	0.422695283830488	0.0100715412931685	0.617799487120055
KICH	CHD4	cg05147525	-0.0660572473045084	66	-0.529614744556827	0.598211533510793	0.00436355992144899	0.758776300103349
KICH	CHD4	cg11565429	0.0274892691954764	66	0.219997290840354	0.826573491571637	0.000755659920901368	0.906830701368288
KICH	CHD4	cg19509514	-0.176557885213371	66	-1.43500666533087	0.156154233423435	0.0311726868310179	0.32452281235655
KICH	CHD4	cg20308811	-0.19280353398208	66	-1.57192180355126	0.120899800632787	0.0371732102029758	0.27202542560888
KICH	CHRA1	cg00296189	-0.493466818117624	66	-4.53885389283676	2.55325357962167e-05	0.243509500583132	0.000296592218863801
KICH	CHRA1	cg07270064	-0.466422488454728	66	-4.21833585058188	7.90391713902289e-05	0.217549937736301	0.000786625195712596
KICH	CHRA1	cg08877624	-0.177222263450998	66	-1.44058127938911	0.1545775102976	0.0314077306626951	0.322166930185166
KICH	CHRA1	cg12002314	0.0512218618935181	66	0.410313514174201	0.68294636764113	0.00262367913583864	0.817308356653704
KICH	CHRA1	cg18770186	0.174913566362885	66	1.42121832765432	0.160107758382365	0.0305947556977834	0.329875220373084
KICH	CHRA1	cg19486048	0.218834666365479	66	1.79416437139906	0.0775103174216649	0.0478886112032903	0.198475467560546
KICH	CHRA1	cg22610305	-0.0894590714343085	66	-0.71855361274466	0.475031227354511	0.00800292546188872	0.662838630018956
KICH	CHRA1	cg23548819	-0.264852229567279	66	-2.19728505940018	0.0316266707261367	0.0701467035067585	0.10266065352871
KICH	CLOCK	cg05960024	0.0459288926134985	66	0.367819296346617	0.714221654228178	0.00210946317670228	0.837392356305974
KICH	CLOCK	cg06085476	-0.152726044760599	66	-1.23631207363917	0.220860678463702	0.0233252447482165	0.409088219670731
KICH	CLOCK	cg07236904	0.00118030144893194	66	0.00944241816862851	0.992495524517463	1.39311151035083e-06	0.996042117655631
KICH	CLOCK	cg07500410	0.0451087965267607	66	0.361238083627258	0.719111257899649	0.0020348035240927	0.840622806192427
KICH	CLOCK	cg11774413	-0.0139964590919628	66	-0.111986242021289	0.911187652887715	0.000195900867112989	0.952780078345478
KICH	CLOCK	cg18928811	-0.169835026970249	66	-1.37870940591338	0.172784436291773	0.0288439363859852	0.347543500798484
KICH	CLOCK	cg22523077	-0.127338121983058	66	-1.02706594340602	0.308255642487355	0.0162149973101722	0.506812024001361
KICH	CLOCK	cg23506964	0.0169084738836759	66	0.135287131509805	0.892809461953232	0.000285896489074951	0.943213914541121
KICH	CREBBP	cg00039463	-0.163194308131261	66	-1.32329462185484	0.190445548639398	0.026632382206441	0.370675298627769
KICH	CREBBP	cg00747661	0.246011725424411	66	2.0304973792714	0.0464657234064809	0.0605217690462956	0.136699863354528
KICH	CREBBP	cg03039399	-0.0405708368127796	66	-0.324834141931052	0.746366044853699	0.00164599279968919	0.857585113261188
KICH	CREBBP	cg03264209	-0.0495099059165163	66	-0.39656558242661	0.693007059421459	0.00245123078386229	0.823806202787117
KICH	CREBBP	cg08506924	0.0567556480824869	66	0.454778242120807	0.650807676991992	0.00322120358926309	0.795814653231189
KICH	CREBBP	cg24567591	-0.154537974770961	66	-1.25133628961403	0.215366545901276	0.0238819856463102	0.40240723121998
KICH	CTCF	cg01866162	-0.375980954201613	66	-3.24601631924088	0.00186371534138843	0.141361677922355	0.0112261611512173
KICH	CTCF	cg04487155	-0.0624029034885267	66	-0.500198094188559	0.618651241914582	0.00389412236379838	0.773688979049231
KICH	CTCF	cg06241380	-0.0466141266100491	66	-0.373318821346103	0.710144886892407	0.00217287679961768	0.834939865589097
KICH	CTCF	cg07967402	-0.111082739719861	66	-0.894195951996714	0.37456753396216	0.0123393750636703	0.573232088152425
KICH	CTCF	cg08324636	0.13661101587674	66	1.10323117558768	0.274057866195137	0.018662569658875	0.470506425149174
KICH	CTCF	cg10218542	-0.196436306764578	66	-1.60271684839384	0.113921652455617	0.0385872226153073	0.261243397922776
KICH	CTCF	cg10481400	0.000742289589191876	66	0.00593831834952364	0.995280406965773	5.50993834222645e-07	0.997588630652915
KICH	CTCF	cg23858565	-0.215599078331065	66	-1.7663333066262	0.0821086797426453	0.0464829625772047	0.206831027811396

KICH	CXXC1	cg02159718	-0.00703491752479465	66	-0.056280732884141	0.955293506275114	4.94900645806629e-05	0.976175096358221
KICH	CXXC1	cg07675399	-0.198083845426379	66	-1.61670565739627	0.110860830469111	0.0392372098189017	0.256340133322852
KICH	CXXC1	cg11871295	0.269827400864275	66	2.24176933513689	0.0284504134810834	0.0728068262571702	0.0948965170152812
KICH	CXXC1	cg13423076	-0.228657588768728	66	-1.87904234494199	0.0647937749490959	0.0522842929015287	0.17413690763456
KICH	CXXC1	cg15632775	0.0277452300122435	66	0.222047322320947	0.824984086269526	0.000769797788432298	0.906006917391356
KICH	CXXC1	cg20016845	-0.135794710609985	66	-1.09651470423681	0.276962445110766	0.0184402034296495	0.473747063653187
KICH	CXXC1	cg27419474	0.0143421328868759	66	0.114748865437785	0.909003431124336	0.000205696775744806	0.951621147492173
KICH	DAXX	cg00221327	-0.0999786452742894	66	-0.803856819985663	0.424455418992322	0.00999572951088219	0.619362723258656
KICH	DAXX	cg02173004	-0.248784434386869	66	-2.05488330646792	0.0439771704823333	0.0618936947931945	0.131320436070269
KICH	DAXX	cg02328295	-0.0139061359446453	66	-0.11125984582611	0.911758489745444	0.000193380616910957	0.953146365717818
KICH	DAXX	cg03085224	-0.337445573282403	66	-2.86777373908804	0.00559157667815002	0.113869514927889	0.0271292950043659
KICH	DAXX	cg03369465	-0.143790369100745	66	-1.16240244159191	0.249388324613301	0.0206756702461284	0.442943272259523
KICH	DAXX	cg03382121	-0.0193496275070782	66	-0.154826006824435	0.877445732294156	0.000374408084662677	0.935004633903042
KICH	DAXX	cg03902329	0.0559710018275802	66	0.448471040162356	0.655327994317914	0.00313275304558298	0.799076039050607
KICH	DAXX	cg04086445	-0.161705886557823	66	-1.31089984914208	0.194575990760694	0.0261487937474516	0.375967924920828
KICH	DAXX	cg04152866	-0.256314630873527	66	-2.12138530743949	0.0377678104805182	0.0656971899998322	0.117369434287598
KICH	DAXX	cg04271391	-0.0211922362938643	66	-0.169575973834666	0.865878490993085	0.000449110879134978	0.92874776887639
KICH	DAXX	cg04488476	-0.0636728910686742	66	-0.510418858915888	0.611514077500913	0.00405423705704325	0.768455006059296
KICH	DAXX	cg04973788	-0.0632470030427248	66	-0.506991069077933	0.613903545523189	0.00400018339388644	0.77032779683583
KICH	DAXX	cg05431670	-0.241372109084373	66	-1.98981031449288	0.0508879955346817	0.0582604950438386	0.146145183277652
KICH	DAXX	cg05532204	-0.161223736111782	66	-1.30688673463928	0.195927640622574	0.0259930930858414	0.37782888065721
KICH	DAXX	cg06171013	-0.287935814062089	66	-2.40535394993285	0.0190580547081554	0.0829070330195979	0.0700894581367297
KICH	DAXX	cg07689821	-0.294168491105861	66	-2.46229570770823	0.0165081419152951	0.0865351011594993	0.0628018187763932
KICH	DAXX	cg08375286	0.0829062760819016	66	0.665541435697855	0.508095848071682	0.00687345061376848	0.690690018957301
KICH	DAXX	cg08567382	-0.232078776950604	66	-1.908744683996	0.0607813710594788	0.0538605587108884	0.166195423015047
KICH	DAXX	cg09097215	-0.447940936973093	66	-4.00813689055528	0.000162300792555775	0.200651083016333	0.00145595339668865
KICH	DAXX	cg09432361	-0.189468708208249	66	-1.54371127922821	0.127588901194107	0.0358983913901025	0.28246822560387
KICH	DAXX	cg09615909	-0.271379320750743	66	-2.25568483609686	0.0275162984813596	0.0736467357311344	0.0925466028559829
KICH	DAXX	cg11111423	-0.27328995729331	66	-2.27284292001551	0.0264018674309316	0.0746874007573791	0.0897255198515526
KICH	DAXX	cg12025215	-0.0727413344112514	66	-0.583476397559202	0.561623302437837	0.0052913017319295	0.731988392806746
KICH	DAXX	cg12832355	-0.36936812900234	66	-3.17981124568742	0.00227211945204181	0.136432814722689	0.0131775152177612
KICH	DAXX	cg12923297	-0.362706473658892	66	-3.11368289597747	0.00276269509262111	0.131555986034068	0.0154175826424223
KICH	DAXX	cg13443893	-0.00471023307460666	66	-0.0376822826143027	0.970058297206578	2.21862956171185e-05	0.984215391886384
KICH	DAXX	cg13826470	-0.34107323981701	66	-2.90263757238414	0.00507057268204605	0.116330954919271	0.0250647075225999
KICH	DAXX	cg14539675	0.0180075692366036	66	0.144083917016566	0.88588694953287	0.000324272549811071	0.939518082566
KICH	DAXX	cg14622330	-0.0479766704776097	66	-0.384255851141392	0.702062613330899	0.00230176091011714	0.829416679698461
KICH	DAXX	cg14746369	0.246114510929072	66	2.03140042410895	0.0463714494972204	0.0605723524898565	0.136510275569014
KICH	DAXX	cg14910283	-0.322397832432202	66	-2.72466832267816	0.00828997589408061	0.103940362356982	0.0369309195746459
KICH	DAXX	cg16922466	-0.168992531202507	66	-1.37166850281778	0.174956351220573	0.0285584756022303	0.350462312979022
KICH	DAXX	cg17079757	0.141296624935984	66	1.14182861844369	0.257779395094935	0.0199647362183003	0.452270867433815
KICH	DAXX	cg17504991	-0.0726103475973152	66	-0.582420145774107	0.562330048680362	0.00527226257820293	0.732553607968251
KICH	DAXX	cg18187593	-0.190385486177905	66	-1.55146102618753	0.125722619103237	0.0362466333471971	0.279506612890319
KICH	DAXX	cg18279148	-0.203763591936416	63	-1.6255483341815	0.109201751016076	0.0415196013988302	0.25361199565766
KICH	DAXX	cg18486541	-0.0498810812362288	66	-0.399546019134496	0.690821199235193	0.00248812226529526	0.822292434869065
KICH	DAXX	cg18944910	-0.387000772943953	66	-3.35763516311264	0.00132730825130225	0.149769598259217	0.00849149819916179
KICH	DAXX	cg18967278	0.165533999238579	66	1.34279711018342	0.184080834220441	0.027401504903918	0.362440444872187
KICH	DAXX	cg20223162	-0.282710388718292	66	-2.35787174512136	0.0214479729179035	0.0799251638892475	0.0768267614501974
KICH	DAXX	cg20763184	-0.172255771658434	66	-1.39895742931095	0.166653497961893	0.0296720508696425	0.339131084267115
KICH	DAXX	cg21286626	0.147177684700826	66	1.19038468436452	0.238292000477576	0.0216612708738958	0.429939186055444
KICH	DAXX	cg24328964	0.191126446252492	66	1.5577276182246	0.12422948190218	0.0365293184571067	0.27725385916334
KICH	DAXX	cg24496586	0.154894749000221	66	1.25429611982183	0.21429616476079	0.0239923832678416	0.400965818635325
KICH	DAXX	cg24513883	-0.233231684223238	66	-1.91877088077045	0.0594754142003863	0.0543970185256083	0.163640499562622
KICH	DAXX	cg24728112	-0.389441644404824	66	-3.38258432591652	0.00122922375858904	0.151664794396733	0.00797483388171763
KICH	DAXX	cg25642825	-0.482719216998005	66	-4.4095263775783	4.04644698522388e-05	0.233017842459167	0.000442741626959925
KICH	DAXX	cg26521092	-0.266659959415174	66	-2.21342634838307	0.0304398559904422	0.0711075339553024	0.0997788198904069
KICH	DAXX	cg27052777	-0.305184259137728	66	-2.5637836798185	0.0127129146589852	0.093137432025444	0.0514696061920943
KICH	DAXX	cg27393652	-0.0725978062825381	66	-0.582319016680023	0.562397737995574	0.00527044147703692	0.732572165367366

KICH	DIDO1	cg00080059	-0.00073694762613856	66	-0.0058955826100300	0.99531437161782	5.43091803671272e-07	0.997596967450483
KICH	DIDO1	cg01488865	-0.193400312884336	66	-1.57697591722673	0.119731602544699	0.0374036810237589	0.270303847713581
KICH	DIDO1	cg06646488	-0.0320837160837642	66	-0.256801934141424	0.798155447298482	0.00102936483774359	0.889757180871793
KICH	DIDO1	cg08610063	-0.0660348141331585	66	-0.529434098487522	0.598336090656299	0.00436059667760079	0.758860051461021
KICH	DIDO1	cg13815390	0.077748091556576	66	0.623873174170154	0.534928306396601	0.00604476574068972	0.711512176514733
KICH	DIDO1	cg20969846	-0.176050811763456	66	-1.43075331493539	0.157365627789911	0.0309938883225717	0.326056081827313
KICH	DIDO1	cg21212389	0.0455344643575986	66	0.364653945473204	0.716571911643886	0.00207338744433341	0.838888734472385
KICH	DIDO1	cg21687703	0.0691431809979864	66	0.554472441133425	0.581188074650547	0.0047807794785203	0.746748811691668
KICH	DIDO1	cg22394521	-0.176947311898536	66	-1.43827399083598	0.155228595588173	0.0313103511881179	0.323099755590269
KICH	DMAP1	cg01604592	-0.238376399062458	66	-1.96361667734065	0.0539220089660181	0.0568233076299843	0.15244930136086
KICH	DMAP1	cg11683482	0.0486312014110608	66	0.389510478861183	0.698191698694085	0.00236499375068316	0.826915611232685
KICH	DMAP1	cg15990015	0.133420270796196	66	1.07699095027698	0.285527253151928	0.0178009686593301	0.482729324373041
KICH	DMAP1	cg18017761	-0.0559592719543114	66	-0.448376758574673	0.655395663819819	0.00313144011765659	0.799084817300086
KICH	DMAP1	cg18167340	0.369828781276661	66	3.18440478503934	0.00224127084706923	0.136773327460581	0.013025171910637
KICH	DMAP1	cg21437596	-0.0614916537005952	66	-0.492865930239873	0.62379412558739	0.00378122347483392	0.777160248005275
KICH	DMAP1	cg23021241	0.0696885523778846	66	0.558867138228589	0.578202719321261	0.00485649433252516	0.74449174661323
KICH	DMAP1	cg23451311	-0.252307719621455	66	-2.08594833790786	0.0409744838539401	0.0636591853805788	0.124545127830005
KICH	DMAP1	cg24485408	-0.0161863092783516	66	-0.129507440593245	0.897362301561578	0.000261996608054451	0.945683399770809
KICH	DNMT1	cg04160663	0.035808850043609	66	0.286654644163838	0.775302729427292	0.00128227374144568	0.875548369548199
KICH	DNMT1	cg04762346	-0.078242700650244	66	-0.627866429721073	0.53232547855235	0.0061219202050437	0.709773387239721
KICH	DNMT1	cg06128182	-0.0448988517631457	66	-0.359553410035508	0.720364813316546	0.00201590688964893	0.841429712574097
KICH	DNMT1	cg06716436	0.0864131471171299	66	0.693900790621433	0.490255460885098	0.00746723199468674	0.676153446419745
KICH	DNMT1	cg10635912	0.114269140447306	66	0.920180462588155	0.360933919424255	0.0130574364585661	0.559793836530095
KICH	DNMT1	cg11380607	-0.0742808408015346	66	-0.59589296279955	0.553348399091607	0.00551764331018292	0.725303126206316
KICH	DNMT1	cg13393778	0.0496552509896296	66	0.397732644081179	0.692150820413324	0.00246564395084312	0.823220109516177
KICH	DNMT1	cg15043801	-0.0672396379289545	66	-0.539137249400271	0.591662807199876	0.00452116890881689	0.754238968917861
KICH	DNMT1	cg21893394	-0.145274657040553	66	-1.17465878206745	0.24448338752004	0.0211047259782502	0.437326756696573
KICH	DNMT1	cg23401624	-0.18059815743468	66	-1.46893907450086	0.146747753836859	0.0326156944688014	0.311175478016317
KICH	DNMT1	cg24477899	0.218651726345918	66	1.79258915695487	0.0777647243730107	0.0478085774340503	0.198867124255885
KICH	DNMT1	cg27429799	0.133942032823737	66	1.08127949001042	0.283630392059194	0.017940468156955	0.480870496237397
KICH	DNMT3A	cg02208653	-0.117441881014998	66	-0.946082166217349	0.347665061961548	0.013792595416341	0.546952533524169
KICH	DNMT3A	cg03463641	0.0540214443115104	66	0.43280354476706	0.666612541352615	0.00291831644550162	0.806517067394769
KICH	DNMT3A	cg06112956	0.0111629146005344	66	0.0893088813970657	0.929115332335693	0.000124610662378823	0.962470347595447
KICH	DNMT3A	cg07150430	-0.0486805702775615	66	-0.389906836462594	0.697900038960985	0.00236979792254861	0.826728359955793
KICH	DNMT3A	cg12066181	-0.292804045337683	66	-2.44980109543778	0.0170398287363961	0.0857342089661118	0.0643524654944026
KICH	DNMT3A	cg13076778	-0.0229668487149431	66	-0.183783266757071	0.854764532231974	0.000527476139895082	0.922575503918838
KICH	DNMT3A	cg13344237	-0.276398671843407	66	-2.30082236018125	0.024670054764357	0.0763962257967991	0.08534629965484
KICH	DNMT3A	cg15990840	-0.195968937337342	66	-1.59875111696815	0.114801658596889	0.0384038244011271	0.262603435234391
KICH	DNMT3A	cg15998962	-0.115524575278523	66	-0.930426156852624	0.35564687124081	0.0133459274932832	0.554441648490162
KICH	DNMT3A	cg21629895	-0.0348840128678868	66	-0.279242058705673	0.78095948086884	0.00121689435376689	0.87902512256028
KICH	DNMT3A	cg21708767	-0.332105836952959	66	-2.81671759055386	0.0064442024881759	0.110294286938226	0.0303370825031864
KICH	DNMT3A	cg22731525	0.0215868350577759	66	0.172734931652375	0.863404897957503	0.000465991447811621	0.927402835053578
KICH	DNMT3A	cg25044635	-0.255073727216587	66	-2.11039840603004	0.0387378106721553	0.0650626063161619	0.119595572800605
KICH	DNMT3A	cg26470599	0.0322317591933023	66	0.257988118530882	0.797243872869027	0.00103888630069503	0.889084977292541
KICH	DNMT3A	cg26995204	-0.152556573178424	66	-1.23490749949189	0.221379521589714	0.0232735080199437	0.409745152448198
KICH	DNMT3B	cg00300969	-0.0864673523670993	66	-0.69433933861963	0.489982310433648	0.00747660302537611	0.675953323364991
KICH	DNMT3B	cg13636640	-0.149719209751025	66	-1.21140799490506	0.230193089771578	0.0224158417684714	0.420357297380112
KICH	DNMT3B	cg14224313	0.160174981970534	66	1.29816088357419	0.198890863872722	0.025656024849261	0.381594590576727
KICH	DNMT3B	cg16523653	0.0903214784386765	66	0.725537343791996	0.470767219393374	0.0081579694673483	0.659241896306017
KICH	DNMT3B	cg16953106	0.000885889390031597	66	0.00708711790123843	0.994367390633175	7.84800011370555e-07	0.997058888261977
KICH	DNMT3B	cg17475857	-0.0673234450989965	66	-0.539812285204003	0.59119985996603	0.0045324462599976	0.753963965675366
KICH	DNMT3B	cg17721173	-0.102958761721124	66	-0.828070772043838	0.410707733543804	0.0106005066151472	0.606560938268755
KICH	DNMT3B	cg22605822	0.0519463335195434	66	0.416132497879058	0.678705228753943	0.00269842156612364	0.814513283335918
KICH	DNMT3B	cg24403338	-0.0827367596456793	66	-0.664171230217949	0.50896656748115	0.00684537139666691	0.691486991802804
KICH	DNMT3B	cg25803642	0.0243937553503684	66	0.195208131262259	0.845848423702307	0.000595055300093628	0.917683296113415
KICH	DNMT3L	cg09247319	0.241904752511191	66	1.99447389400932	0.050363446015463	0.0585179092875003	0.145040310936473
KICH	DNMT3L	cg15635600	0.0242551440067825	66	0.194098255621702	0.846713718715619	0.000588312010789756	0.918102265436795

KICH	DNMT3L	cg27187798	0.166919677875026	66	1.35435839808304	0.180384621365192	0.0278621788619024	0.357531807247332
KICH	DPF1	cg06168449	-0.0510147119080603	66	-0.408649797407773	0.684160852916185	0.00260250083106239	0.818145070122693
KICH	DPF1	cg06615189	0.695523161714455	66	7.74412920136871	9.11025966937423e-11	0.483752468481272	3.6664435629555e-09
KICH	DPF1	cg07480327	0.325785075227167	66	2.75667411174859	0.00759933800815673	0.106135915240771	0.0345539132039596
KICH	DPF1	cg08057062	0.705169649022581	66	7.95636484055488	3.84866784991149e-11	0.49726423390263	1.64056584501926e-09
KICH	DPF1	cg13322582	0.181469493243201	66	1.47626703547425	0.144775796777877	0.0329311769779442	0.308296516329195
KICH	DPF1	cg13917712	0.00795734625978186	66	0.0636607855902449	0.949438747781587	6.33193594980643e-05	0.97315657784027
KICH	DPF1	cg17121541	-0.0664121884932934	66	-0.532473062794059	0.596242302088994	0.00441057878046874	0.757445763147444
KICH	DPF1	cg22145401	0.64173320822838	66	6.6940651031154	6.38470446210818e-09	0.411821510543089	1.81208208290859e-07
KICH	DPF1	cg27400772	0.0627367625982916	61	0.482841362084675	0.630995195958065	0.0039359013813144	0.782248219568487
KICH	DPF2	cg02186298	0.11403202290309	66	0.918245832289052	0.361937876156055	0.0130033022473707	0.560824747184797
KICH	DPF2	cg14699126	0.0302630554364165	66	0.24221538568503	0.809387770574153	0.000915852524347616	0.896995729443923
KICH	DPF2	cg15918224	-0.0357489646412971	66	-0.286174639537529	0.77566866870262	0.00127798847292471	0.875796348520342
KICH	DPF2	cg15929437	0.113677982145406	66	0.91535752709564	0.363440062570193	0.0129226836246513	0.562396807915533
KICH	DPF2	cg18224556	0.345282099749524	66	2.94327107115947	0.00452017252064302	0.11921972840744	0.022867040466079
KICH	DPF2	cg19517014	-0.0642990924212857	66	-0.515459393772905	0.608008065990068	0.00413437328620104	0.765836983670467
KICH	DPF3	cg00888802	0.0413346746002997	66	0.330960249619781	0.741755674055546	0.00170855532431266	0.854686231318628
KICH	DPF3	cg05151458	-0.0227379150113276	66	-0.181950361502686	0.856196755177635	0.000517012779062358	0.923477838479431
KICH	DPF3	cg07171024	0.0644317602846719	66	0.516527366573518	0.607266402312912	0.00415145173338143	0.765394551400322
KICH	DPF3	cg10266394	0.0496030733993543	66	0.397313676402508	0.692458158480003	0.00246046489066173	0.823434576288495
KICH	DPF3	cg12913429	-0.0508494607206582	66	-0.407322627080629	0.685130265029112	0.00258566765558176	0.818817892895752
KICH	DPF3	cg13819165	0.00298736131481637	66	0.0238989971600092	0.981007533939511	8.92432762526141e-06	0.990210326780375
KICH	DPF3	cg14238615	0.0421766960248186	66	0.337714077242907	0.73668387394187	0.00177887368756995	0.85150340677276
KICH	DPF3	cg14242696	-0.00971616061522999	66	-0.0777329541506778	0.938282995833042	9.44037771009465e-05	0.966996812275922
KICH	DPF3	cg15392845	-0.044392511179706	66	-0.355490543909917	0.723391128477828	0.00197069504884032	0.84326516211296
KICH	DPF3	cg15740492	0.0378860798849948	66	0.303306393428327	0.762640156353948	0.00143535504905221	0.867990179793534
KICH	DPF3	cg16696021	-0.0687701401419475	66	-0.551466701202206	0.583234141382843	0.0047293321751431	0.748245601681073
KICH	DPF3	cg19710444	-0.166911365507216	66	-1.35428902003936	0.180406632409785	0.0278594039354834	0.357531807247332
KICH	DPF3	cg19839347	0.0960003938347397	66	0.771566789310665	0.443210610943694	0.00921607561642513	0.635401767934566
KICH	DPF3	cg20548765	-0.0477173447769921	66	-0.382174100872617	0.703598369212547	0.00227694499256633	0.830688574250605
KICH	DPF3	cg21035356	-0.00058017125380446	66	-0.0046413708115754	0.996311172466701	3.3659868374105e-07	0.998184516676212
KICH	DPF3	cg22784589	-0.116701548846386	66	-0.940035626470507	0.350733809863594	0.0136192515031455	0.549701547355316
KICH	DPF3	cg23515460	-0.0562418506122875	66	-0.450648102227892	0.653766240304587	0.00316314576029486	0.797964900499797
KICH	DPF3	cg24383902	0.098100778253297	66	0.788610098264669	0.433251453511795	0.00962376269390255	0.626850951786174
KICH	DPF3	cg25495195	-0.0934387226769719	66	-0.750794482966967	0.455528040950258	0.00873079489550407	0.645830191133465
KICH	DPF3	cg26057784	-0.043045505163591	66	-0.344683524095744	0.731462437723098	0.00185291551478874	0.848228201240675
KICH	EED	cg00080012	-0.0391283427685124	66	-0.313266643884837	0.755096748839924	0.00153102720781019	0.863290818580719
KICH	EED	cg01739327	0.0599417918228197	66	0.480398150907214	0.632582341860366	0.00359301840693025	0.783441759841521
KICH	EED	cg02172616	-0.332502719762155	66	-2.82050183573589	0.00637711528011545	0.11055805864923	0.0300868036934503
KICH	EED	cg04607174	-0.402857301097767	66	-3.5212382773009	0.000797626534578948	0.162294005047777	0.00555411373353336
KICH	EED	cg06358433	-0.252015251211643	66	-2.08336627568829	0.0412171036246716	0.0635116868432676	0.125090444324804
KICH	EED	cg10086030	-0.282552382978707	66	-2.3564395687634	0.0215240367006258	0.0798358491269456	0.077042463931558
KICH	EED	cg10535675	-0.382886671790766	66	-3.31577060639785	0.00150868240667689	0.146602203435009	0.00944447084131507
KICH	EED	cg12672785	-0.0187302098672278	66	-0.149867969641485	0.881340085016989	0.000350820761670396	0.937055498408824
KICH	EED	cg16265078	-0.236501354960455	66	-1.94725212566133	0.0558949170731517	0.0559328908981309	0.156312070558227
KICH	EED	cg18574463	0.154347688119899	66	1.24975786006906	0.215938972251933	0.0238232088279575	0.403157252744718
KICH	EED	cg19325359	-0.418202992001856	66	-3.68317354217619	0.000475504848617087	0.174893742519305	0.00359244675083206
KICH	ELP3	cg01209934	0.119232977423835	66	0.960717284695147	0.340310017939205	0.0142165029053528	0.539538549269636
KICH	ELP3	cg02516513	0.138174997594238	66	1.11610585770175	0.268549850895701	0.0190923299601677	0.464349916662892
KICH	ELP3	cg04720865	-0.500324602331553	66	-4.62280151590854	1.88773387322801e-05	0.250324707698227	0.000227857826119317
KICH	ELP3	cg05621091	-0.10277637635027	66	-0.826588219461313	0.411541609095405	0.0105629835356923	0.607284204831013
KICH	ELP3	cg15692687	0.0973358032725908	66	0.78240158418266	0.436863932166154	0.00947425859872051	0.62987754014532
KICH	ELP3	cg17572663	-0.00509153868006016	66	-0.0407328374181786	0.967635688291773	2.59237661305487e-05	0.982949658339691
KICH	ELP3	cg18022570	0.229923770461583	66	1.89002654247694	0.0632846148856672	0.0528649402232708	0.171144164248037
KICH	ELP3	cg18249244	-0.128969580916088	66	-1.04044587881085	0.302047473887881	0.0166331528016714	0.500446790961907
KICH	ELP3	cg19781013	0.0881060705063122	66	0.707600352197904	0.481762376101588	0.00776267966006326	0.668919509646015
KICH	ELP3	cg22414525	0.052414663757838	66	0.41989449419666	0.675968837559593	0.00274729697684722	0.81270875124196

KICH	ELP3	cg22487209	-0.00929853955081412	66	-0.0743915325275377	0.9409308793292	8.64628377780545e-05	0.968432291773037
KICH	ELP3	cg25374552	0.300798563648818	66	2.52324583386928	0.0141224066857639	0.0904797758931919	0.0557062420501125
KICH	ELP4	cg04972224	0.0222541581672992	66	0.178077366989746	0.859224682798545	0.000495247555735171	0.925232890947761
KICH	ELP4	cg05195750	-0.0728753695865329	66	-0.584557262149539	0.560900542970358	0.00531081949237376	0.731475312890148
KICH	ELP4	cg05635455	-0.245795218904497	66	-2.02859545174507	0.0466648165252136	0.0604152896363094	0.137181828846407
KICH	ELP4	cg08111895	-0.0140516042873411	66	-0.112423933763646	0.910839160552652	0.000197447583048023	0.952746161049252
KICH	ELP4	cg08626560	-0.17909554172476	66	-1.45558805898788	0.150394500659296	0.0320444204850286	0.316184898097162
KICH	ELP4	cg09616795	-0.00579719507967904	66	-0.0463783399733333	0.963153115887194	3.36074707918549e-05	0.980624195075495
KICH	ELP4	cg10583382	-0.270099915220369	66	-2.24421150416316	0.0282844806395305	0.0729539642020506	0.0945213663332459
KICH	ELP4	cg11385473	0.142872609336119	66	1.15482815733185	0.252454499600082	0.0204125824985113	0.446370984541812
KICH	ELP4	cg13263383	-0.17425353875193	66	-1.41568716323558	0.161715307494379	0.0303642957675702	0.332114061014196
KICH	ELP4	cg19328333	0.0686300936253535	66	0.550338350272496	0.584003118675008	0.00471008975102478	0.748752841758597
KICH	ELP4	cg24001477	-0.0129894457204056	66	-0.103924333486059	0.917554383130551	0.000168725700123363	0.956557391670795
KICH	ELP4	cg24531794	-0.0489953026582169	66	-0.392433730656521	0.696041699161992	0.00240053968257027	0.82573932301609
KICH	ELP4	cg25130734	-0.137397430053987	66	-1.10970387197693	0.271278931829182	0.0188780537854401	0.467572856308115
KICH	EP300	cg00500400	0.0274791330763395	66	0.219916109920806	0.826636446788176	0.000755102754627176	0.906861402039702
KICH	EP300	cg02046995	0.406427345932948	66	3.55858476230474	0.000708737945427413	0.1651831875221	0.00503797146624453
KICH	EP300	cg07519229	-0.163124475330319	66	-1.32271288512977	0.190637917353729	0.0266095944517919	0.370929071647641
KICH	EP300	cg08131204	-0.265240233012361	66	-2.20074744914883	0.031368724696167	0.0703523812084514	0.102070376820044
KICH	EP300	cg09331127	0.17377857359988	66	1.41170807760015	0.16287946172931	0.030198992642409	0.333606572738928
KICH	EP300	cg24349919	-0.038862376011298	66	-0.31113404729655	0.75670989163592	0.00151028426924351	0.864325619749879
KICH	EPC1	cg02900516	-0.0596500350162149	66	-0.478051521947751	0.634242426391455	0.00355812667743567	0.784585929026616
KICH	EPC1	cg16942190	-0.136674979878812	66	-1.10375756103146	0.273831131137447	0.0186800501248738	0.470230798199673
KICH	EPC1	cg26211455	-0.14239745498207	66	-1.15090789788241	0.254051995585212	0.0202770351853707	0.448146775459876
KICH	EPC2	cg00066942	0.0372025222908201	66	0.297826349641566	0.766800388978122	0.00138402766479896	0.870728472322871
KICH	EPC2	cg03664802	-0.180140779357286	66	-1.46509394295037	0.147790859241477	0.0324507003874504	0.312645948328479
KICH	EPC2	cg04098458	-0.132809459024027	66	-1.07197163854817	0.287758467878735	0.0176383524062546	0.485259572080199
KICH	EPC2	cg05586854	0.12162392196425	66	0.980268640320751	0.330644686708145	0.0147923783939659	0.530321274102085
KICH	EPC2	cg10458926	-0.433889878479836	66	-3.85266410664763	0.000273048540336771	0.188260426647247	0.00225731761344911
KICH	EPC2	cg11721798	-0.312807087246642	66	-2.63467335317128	0.0105510807206999	0.0978482738317284	0.0444329980829389
KICH	EPC2	cg12432635	0.0519767575032356	66	0.416376878823883	0.678527339344316	0.00270158332055016	0.814447874658634
KICH	EPC2	cg16434205	0.120702327936589	66	0.972730502488174	0.334349468013522	0.0145690519693119	0.53390772245097
KICH	EPC2	cg21347644	-0.049594216010347	66	-0.397242555011258	0.692510335458695	0.00245958626168096	0.823471447474454
KICH	EPC2	cg21650422	-0.194773262800313	66	-1.58861070741249	0.11707674915134	0.0379366239018798	0.26622288249815
KICH	EZH1	cg00728999	-0.213076664209656	66	-1.74467902468466	0.0858411839135341	0.0454016648307146	0.213543310311595
KICH	EZH1	cg01716316	0.0306636080122547	66	0.245424272160027	0.806913237672516	0.000940256856329208	0.895388597593617
KICH	EZH1	cg03623386	-0.1569803611955	66	-1.2716086438825	0.208113906016458	0.0246428338010698	0.393247831057671
KICH	EZH1	cg05375741	-0.287086180777011	66	-2.39761774620727	0.0194304220237741	0.0824184751931305	0.0711997292000698
KICH	EZH1	cg05979501	-0.184210750763709	66	-1.49934463830011	0.138701186502673	0.0339336006969292	0.299318153146799
KICH	EZH1	cg06975499	-0.0377684356867839	66	-0.302363216174823	0.763355683225474	0.00142645473422673	0.868443736611662
KICH	EZH1	cg12812489	-0.166816949390452	66	-1.3535010096488	0.180656781814028	0.0278278946039367	0.357770456781693
KICH	EZH1	cg19395400	-0.0952416868906657	66	-0.765412925819399	0.446839240643531	0.00907097892177961	0.638525793180501
KICH	EZH1	cg22227424	0.0253158035947857	66	0.202591358542102	0.840097113033485	0.000640889911649762	0.914341320035211
KICH	EZH1	cg27088844	-0.0717025577192074	66	-0.575100737107272	0.567239565287389	0.00514125678347627	0.735954548731941
KICH	EZH2	cg01893439	-0.0360779602812423	66	-0.288811704886069	0.773658890896543	0.0013016192180549	0.874491743554656
KICH	EZH2	cg02303805	0.218383354546815	66	1.79027868692263	0.0781391385795378	0.0476912895431199	0.199506257069696
KICH	EZH2	cg06816161	-0.0695567470810735	66	-0.557804982314328	0.578923574161151	0.00483814106450042	0.745058992237651
KICH	EZH2	cg13751213	-0.0449840567974332	66	-0.360237120634813	0.719855975404018	0.0020235653659547	0.841075301892106
KICH	EZH2	cg18494018	0.0292260877619047	66	0.233908621622733	0.815802540652986	0.000854164205866553	0.900883541493015
KICH	EZH2	cg20101066	0.0855612521997992	66	0.687009341106466	0.494558801659685	0.00732072787799765	0.679675430454608
KICH	FBXL19	cg00026853	0.0433172208062552	66	0.346863343249013	0.729831936859692	0.00187638161837787	0.847272025429599
KICH	FBXL19	cg02291855	-0.154328649736785	66	-1.24959994434678	0.215996302927656	0.0238173321295793	0.403198540561838
KICH	FBXL19	cg03181514	0.0910622313969311	66	0.731537239287446	0.467121238198289	0.00829232998698822	0.656215208559469
KICH	FBXL19	cg03627896	-0.0100514959219816	66	-0.0804160297975552	0.936157317563274	0.000101032570269612	0.965919364994858
KICH	FBXL19	cg04477789	-0.0870693545624214	66	-0.699210260655613	0.486954089705282	0.00758107250391665	0.673292816128738
KICH	FBXL19	cg05643349	-0.0693196558315279	66	-0.555894451064877	0.580221283560498	0.00480521468460148	0.746041262967215
KICH	FBXL19	cg05768582	-0.0148345473696072	66	-0.118689439299683	0.905893156907196	0.00022006379566112	0.950176774107366

KICH	FBXL19	cg06862768	-0.0302817033053445	66	-0.242364773942304	0.809272526297617	0.000916981555072912	0.896918746134437
KICH	FBXL19	cg07697662	0.1708230468749	66	1.38697044994151	0.170262522410063	0.0291805133436242	0.343982825231611
KICH	FBXL19	cg08535091	-0.118680193819182	66	-0.956199460367759	0.342569535309049	0.0140849884049587	0.541762810876627
KICH	FBXL19	cg08593668	0.118984368729219	66	0.958685328175816	0.341325056218302	0.0141572800018907	0.540508924468644
KICH	FBXL19	cg09011601	-0.158509176653966	66	-1.28431030093661	0.203663055347941	0.0251251590835183	0.387529687108348
KICH	FBXL19	cg11940219	-0.0599777205047437	66	-0.480687137395454	0.632378033822396	0.00359732695694515	0.783300959528373
KICH	FBXL19	cg26666512	-0.226994795622328	66	-1.86463279307134	0.0668195448320656	0.0515266372396224	0.178173831227041
KICH	FBXL19	cg27602786	-0.0502154627974848	66	-0.402231154050083	0.688854170426951	0.00252159270396558	0.821151757574765
KICH	FBXW9	cg02753619	-0.0509836684637059	66	-0.408400477796079	0.684342924199052	0.00259933445001708	0.81824353990198
KICH	FBXW9	cg03160342	-0.00403945641213665	66	-0.0323159149509234	0.974320689499327	1.63172081055519e-05	0.986609875937659
KICH	FBXW9	cg05868316	-0.151816025452327	66	-1.22877117428277	0.223656737592043	0.0230481055841417	0.412556367530597
KICH	FBXW9	cg06489804	0.0362192497268487	66	0.289944239589835	0.772796231636052	0.00131183405077583	0.874033725284649
KICH	FBXW9	cg12110584	-0.1001735195866	66	-0.805439531673767	0.423548492152378	0.010034734026367	0.618619518211555
KICH	FBXW9	cg14342428	-0.124486760674048	66	-1.00370161034445	0.319302324673718	0.0154969535831177	0.518641271258764
KICH	FBXW9	cg15828427	0.182499022270782	66	1.48493004160712	0.142471451674066	0.0333058931297914	0.304908503756047
KICH	FBXW9	cg19721801	0.0956734456556049	66	0.768914750534563	0.444772269733102	0.00915340820361599	0.636719553045839
KICH	FBXW9	cg21564527	0.0649026646854149	66	0.520318357028948	0.604637058348445	0.0042123558832674	0.763465919772098
KICH	FBXW9	cg22303873	-0.129965708921209	66	-1.04861954936081	0.298297148994529	0.0168910854953923	0.496506662862775
KICH	FKBP1A	cg04613791	0.185811752312418	66	1.51283957271391	0.135243182778036	0.0345260072974113	0.294049815359272
KICH	FKBP1A	cg07516946	-0.0503939198720832	66	-0.403664247005552	0.68780522007852	0.00253954716007394	0.82047337972192
KICH	FKBP1A	cg10996143	0.143043595881969	66	1.15623908055448	0.251881309222972	0.0204614703228441	0.445692131688659
KICH	FKBP1A	cg21332426	0.0494628843690128	66	0.396188023989768	0.693284149026361	0.00244657693010233	0.823988558214269
KICH	FKBP1A	cg21775445	0.01003424007642	66	0.0802779621454949	0.936266691023163	0.000100685973911233	0.965993779329655
KICH	FKBP1A	cg24641773	-0.0864878279117795	66	-0.69450499779024	0.489879151117992	0.00748014437689759	0.675870937503513
KICH	FKBP1A	cg26779912	-0.00912864827010407	66	-0.0730322291930969	0.942008241630912	8.3332219239274e-05	0.96909004429298
KICH	FKBP2	cg03764062	-0.0422331797397787	66	-0.33816715700061	0.736344049798612	0.00178364147093246	0.851312998009054
KICH	FKBP2	cg04446112	-0.0213076782286859	66	-0.170500135216528	0.865154694550317	0.000454017151497213	0.928400655489381
KICH	FKBP2	cg06615912	-0.324576051321011	66	-2.74523661309579	0.00783984160267956	0.10534961309114	0.0353766031113024
KICH	FKBP2	cg09854726	0.0635202105654216	66	0.509189967010525	0.612370237419562	0.00403481715027549	0.769073668531027
KICH	FKBP2	cg10998122	-0.152852884913271	66	-1.23736339315003	0.220472910290548	0.0233640044263097	0.408699175121358
KICH	FKBP2	cg12423493	-0.0367845869492366	66	-0.294475991625436	0.769347250609112	0.00135310583702595	0.872144348444499
KICH	FKBP2	cg15010817	-0.0188690819075145	66	-0.150979535199789	0.880466732895508	0.000356042252032491	0.936594500613592
KICH	FKBP2	cg16977872	0.0169380724250936	66	0.135524021600864	0.892622932417443	0.000286898297477715	0.943103468755705
KICH	FKBP2	cg19924313	-0.0338677177843923	66	-0.271097264189532	0.787188700060608	0.00114702230792324	0.882768847681523
KICH	FKBP2	cg21809711	0.0676445071760093	66	0.542398428004475	0.589427833172229	0.00457577935108517	0.752642635773563
KICH	FKBP2	cg22074794	0.0385665094034351	66	0.308761783053228	0.758505599705311	0.00148737564756524	0.865423707133376
KICH	FKBP2	cg24677501	-0.0556905502214341	66	-0.446216896001616	0.656946672015806	0.00310143738396607	0.800152015825612
KICH	FKBP5	cg00130530	-0.193646458752967	66	-1.57906112086893	0.119252277243889	0.0374989509875647	0.269589435543157
KICH	FKBP5	cg00140191	-0.151139575526399	66	-1.22316782750116	0.225751099160976	0.0228431712903001	0.415120337732922
KICH	FKBP5	cg00610228	0.130163094162384	66	1.05023956504862	0.297557633043755	0.0169424310819257	0.495668154964687
KICH	FKBP5	cg01294490	-0.0977803944032375	66	-0.78600970139167	0.434762360326096	0.00956100552965268	0.628157848916449
KICH	FKBP5	cg07485685	-0.175678275885146	66	-1.42762921973076	0.158260033621227	0.0308628566179776	0.327359968505671
KICH	FKBP5	cg07843056	-0.0127086710911871	66	-0.101677580050355	0.919330487596343	0.000161510320903974	0.957497971055787
KICH	FKBP5	cg08636224	0.0377226457851323	66	0.301996112708321	0.763634236596411	0.00142299800503056	0.868668512943424
KICH	FKBP5	cg08915438	0.0142262413192074	66	0.113821449067083	0.909735645425823	0.000202385942072323	0.952077399838035
KICH	FKBP5	cg10913456	-0.128021164867078	66	-1.03266668278464	0.305646511917248	0.0163894186539236	0.504197814798668
KICH	FKBP5	cg16012111	-0.154466035654092	66	-1.25073953720742	0.215582829824313	0.0238597561706913	0.402704957579423
KICH	FKBP5	cg17030679	-0.0730137180638186	66	-0.585672942763132	0.560154986213588	0.00533100302550279	0.730809300957601
KICH	FKBP5	cg20813374	-0.212899005131988	66	-1.7431552506948	0.0861090364367058	0.0453259863861905	0.214045449276492
KICH	FKBP5	cg25114611	-0.167039066687152	66	-1.35535489329476	0.180068696150046	0.027902049799715	0.357141084615991
KICH	FMR1	cg02921434	-0.197232581287767	66	-1.60947603005264	0.112434308814237	0.0389006911214356	0.2590237686536
KICH	FMR1	cg03513471	-0.178121724650963	66	-1.44813165106543	0.152461736328076	0.0317273487926335	0.319288457100341
KICH	FMR1	cg04552106	-0.187031345617712	66	-1.52312796280782	0.132652924604595	0.0349807242435719	0.290145404917196
KICH	FMR1	cg04744025	-0.183241985485802	66	-1.4911848671394	0.140825669157491	0.0335776252447787	0.302580170250145
KICH	FMR1	cg05288927	-0.155700259126076	66	-1.26098055341229	0.211893290710731	0.0242425706919273	0.398017345514312
KICH	FMR1	cg07147350	-0.219459742015169	66	-1.79954811812738	0.0766460423526619	0.0481625783653646	0.196941545078048
KICH	FMR1	cg08434396	-0.177807765811204	66	-1.44549575304329	0.153197793095289	0.031615601582772	0.32036421375917

KICH	FMR1	cg14470409	-0.043528637425725	66	-0.348559471155202	0.728564100045323	0.00189474227614023	0.846558163416915
KICH	FMR1	cg16783314	-0.165765480369168	66	-1.34472788164108	0.183459593273727	0.0274781944820209	0.361674960065287
KICH	FMR1	cg22625568	-0.249058837076788	65	-2.04116365671601	0.0454287512026416	0.062030304326042	0.134524162424662
KICH	FXR2	cg01807919	0.108411542242306	66	0.872434379166528	0.38623286973193	0.0117530624913552	0.584245933497818
KICH	FXR2	cg01933235	-0.232193040058191	66	-1.90973798656675	0.0606509127062378	0.0539136078514647	0.165953637526227
KICH	FXR2	cg05529097	-0.311869376315214	66	-2.62592295014588	0.010798508874295	0.0972625078832408	0.0452715671139743
KICH	FXR2	cg05913233	-0.474016630114894	66	-4.30671732277177	5.80997590050298e-05	0.22469176562548	0.000604738112394606
KICH	FXR2	cg09625173	-0.194767542866137	66	-1.58856221489397	0.117087715307465	0.0379343957541127	0.266235691831436
KICH	FXR2	cg17777561	-0.423336591363439	66	-3.73818500466543	0.00039773598053286	0.179213869587215	0.0030910562307266
KICH	FXR2	cg19178740	-0.363459055683919	66	-3.12112569083567	0.00270290138377977	0.132102485158646	0.0151556515964944
KICH	FXR2	cg22521096	-0.353466779938572	66	-3.0228692851044	0.00359901240883343	0.124938764520143	0.0190423720877145
KICH	FXR2	cg26904212	-0.100312029157873	66	-0.806564522473968	0.422904555208106	0.0100625031937699	0.617945848382033
KICH	G2E3	cg02259031	0.143983106202437	66	1.16399349199779	0.248747645257933	0.0207311348717022	0.442158672802369
KICH	G2E3	cg05076167	0.235145274199515	66	1.93543122883287	0.0573580370550777	0.0552932999783652	0.159304217588815
KICH	G2E3	cg07906495	0.20033937739192	66	1.63587993152472	0.106773753727861	0.0401358661337821	0.249530082837816
KICH	G2E3	cg08810065	0.0161631265061696	66	0.129321905610628	0.89750851130557	0.000261246658454441	0.945786210702028
KICH	G2E3	cg09837748	-0.280098404610094	66	-2.33422317187382	0.022735132791143	0.0784551162651201	0.0802257516263349
KICH	G2E3	cg18580322	-0.105524155676797	66	-0.848933059503595	0.399082802550383	0.0111353474313009	0.595691460562656
KICH	G2E3	cg18755078	0.0682725948768323	66	0.54745814076239	0.585968184797878	0.00466114721121607	0.750256076765024
KICH	G2E3	cg18956956	0.0990030123652903	66	0.795934418348302	0.429012554641592	0.00980159645740183	0.623078983567098
KICH	G2E3	cg19554565	0.0325109868711104	66	0.260225455831855	0.795525265976501	0.00105696426733351	0.888110506592273
KICH	G2E3	cg21061067	-0.165822700546927	66	-1.34520518723306	0.183306261796823	0.0274971680166758	0.361455118377319
KICH	G2E3	cg22926526	-0.0701663853059061	66	-0.562718012509667	0.575592870376788	0.00492332162689687	0.742409254204527
KICH	GADD45	cg01810953	-0.120932440510765	65	-0.966968320967981	0.337257369996691	0.0146246551678896	0.536821210490702
KICH	GADD45	cg02639608	-0.0245705409515802	66	-0.196623688562489	0.844745085588671	0.000603711482653278	0.917038574924345
KICH	GADD45	cg04718306	0.125385585452998	66	1.01106391273856	0.31579315258723	0.0157215450393911	0.514984330713796
KICH	GADD45	cg07000785	-0.04505251686525	66	-0.360786470337447	0.719447224909866	0.00202972927589363	0.84084113845999
KICH	GADD45	cg22224769	0.00704500234671368	66	0.0563614174576365	0.955229483480824	4.96320580652013e-05	0.97616765297903
KICH	GADD45	cg23369529	0.0122410335831747	66	0.0979356064180808	0.922289504375298	0.000149842903184411	0.959199830761722
KICH	GADD45	cg23723105	0.0324532457848521	66	0.259762795113192	0.795880575066112	0.00105321316197202	0.888214002276574
KICH	GATAD2A	cg02887458	-0.0782205486463673	66	-0.627687574261554	0.532441917059683	0.00611845423053871	0.709871462923497
KICH	GATAD2A	cg08505228	0.0921261683787113	66	0.740156981538564	0.461911407814973	0.00848723090014267	0.651452512625592
KICH	GATAD2A	cg08870822	0.0599645015660628	66	0.48058081280201	0.632453199981151	0.00359574144806635	0.783344174231936
KICH	GATAD2A	cg09334331	0.000324129998447324	66	0.00259304012379133	0.9979391213965	1.05060255893462e-07	0.998954402831646
KICH	GATAD2A	cg11795262	-0.0335774429400232	66	-0.268771098521532	0.788970355908389	0.00112744467439051	0.883887670903474
KICH	GATAD2A	cg14948912	-0.189894272070357	66	-1.54730815173739	0.126719982694369	0.0360598345651306	0.281144602262313
KICH	GATAD2A	cg15264323	0.148117557329943	66	1.19815640956755	0.23527439201448	0.021938810789389	0.426472867450531
KICH	GATAD2A	cg22191731	0.0897285190605027	66	0.720735411086658	0.473696776092751	0.008051207132791	0.661661100026823
KICH	GATAD2A	cg26631329	-0.140449591323772	66	-1.13484551154645	0.260672530974109	0.0197260877030147	0.455866353623771
KICH	GATAD2E	cg02134200	0.245407788278051	66	2.02519282712309	0.0470228356204871	0.0602249825475245	0.137947600658427
KICH	GATAD2E	cg02940454	-0.217562679380356	66	-1.78321596318301	0.0792929852190667	0.0473335194591595	0.201704221180174
KICH	GATAD2E	cg09805553	-0.0757781403591048	66	-0.60797322643308	0.545356741218898	0.00574232655628419	0.719258834049045
KICH	GATAD2E	cg10226922	-0.240526490562666	66	-1.98241038993052	0.0517299332599107	0.0578529926623923	0.147923510169744
KICH	GATAD2E	cg10489353	0.0510032138587306	66	0.408557452838692	0.684228287434991	0.0026013278239194	0.818172569779462
KICH	GATAD2E	cg15064304	-0.112883235767999	66	-0.908875179645232	0.366825996024167	0.0127426249174537	0.565703187355741
KICH	GATAD2E	cg20773694	-0.222905107716021	66	-1.82926489692821	0.0720190035103765	0.049686687045891	0.188197727883313
KICH	GATAD2E	cg23046518	-0.0248072249231486	66	-0.198518892891207	0.843268381042538	0.000615398408387686	0.916260609108509
KICH	GATAD2E	cg23323627	0.00413115115745261	66	0.0330494912789065	0.973737978258071	1.7066409885722e-05	0.986273951638083
KICH	GATAD2E	cg26398333	0.302397712535664	66	2.5380064897468	0.013593608605073	0.0914443765468023	0.0541419817644402
KICH	GLYR1	cg00636946	-0.0972526681558932	66	-0.781726946605017	0.437257542851215	0.00945808146344028	0.630168509506849
KICH	GLYR1	cg00885266	0.279141187527166	66	2.32557077514492	0.0232229678133092	0.0779198025740763	0.081540330297372
KICH	GLYR1	cg01261535	-0.139968420217909	66	-1.13087977825402	0.262325753710907	0.0195911586582971	0.457718283821606
KICH	GLYR1	cg01565912	0.0254372176210091	66	0.203563609749439	0.839340402303186	0.000647052040298575	0.914018411164563
KICH	GLYR1	cg02454264	0.0295807107079637	66	0.236749288329411	0.813607433937082	0.000875018445988235	0.899590840062306
KICH	GLYR1	cg06399529	-0.0282992697155451	66	-0.226484865940314	0.821546147111296	0.000800848666433166	0.904204699928634
KICH	GLYR1	cg06976003	-0.138851208474665	66	-1.12167504860229	0.266191524588391	0.0192796580948748	0.46200757359844
KICH	GLYR1	cg11289281	-0.125746815225072	66	-1.01402346874454	0.314389839599057	0.0158122615392484	0.513416948627518

KICH	GLYR1	cg15663121	0.303438108309938	66	2.54762232903456	0.0132588210274737	0.0920746855747136	0.0531349271669152
KICH	GLYR1	cg18354686	-0.0511052014394198	66	-0.409376553917414	0.683630229795172	0.00261174161416368	0.817755236712911
KICH	GTF2B	cg02705666	-0.227770467524507	66	-1.87135251699073	0.065868302916797	0.0518793858763327	0.176245399914333
KICH	GTF2B	cg04270788	0.178695484322761	66	1.45294993453753	0.151123387109912	0.0319320761173463	0.317305680732734
KICH	GTF2B	cg05306856	-0.206723898969914	66	-1.69030288325508	0.095835569215192	0.0427347704053231	0.2310133801807
KICH	GTF2B	cg06356032	0.108724264658889	66	0.874981051998221	0.384856103444372	0.0118209657256162	0.582990861870343
KICH	GTF2B	cg07167781	0.0235416337233292	66	0.188385279384671	0.851170711241568	0.000554208518363389	0.92061249492988
KICH	GTF2B	cg10430205	-0.0990061546210436	66	-0.79595930576392	0.428997832878292	0.00980221865284599	0.623078983567098
KICH	GTF2B	cg12074130	-0.262087846830759	66	-2.17264988040595	0.0335163156054048	0.0686900394563832	0.107203448127624
KICH	GTF2B	cg13868361	-0.13853946795679	66	-1.11910739321886	0.267277003728991	0.0191931841817506	0.46299287955851
KICH	GTF2B	cg14010405	-0.12468000998848	66	-1.00528423554022	0.318545785694717	0.0155451026490728	0.517910785425631
KICH	GTF2B	cg17811845	0.288814019744711	66	2.41335682493186	0.0186795834919068	0.0834135380010983	0.0690566705398185
KICH	GTF2B	cg22607980	0.168816088291546	66	1.37019432721999	0.175413721130862	0.028498871666059	0.351090136766649
KICH	GTF2H1	cg05849260	-0.283392200639043	66	-2.36405413601082	0.0211223643181708	0.0803111393830394	0.0759401612795906
KICH	GTF2H1	cg07583091	-0.423604849098251	66	-3.74107160986621	0.00039401074093191	0.179441068179552	0.00306792829346982
KICH	GTF2H1	cg08690812	-0.246860277062761	66	-2.03795470526971	0.04569213789692	0.0609399963915033	0.135093272102197
KICH	GTF2H1	cg10797557	0.0968191187891206	66	0.778208981175903	0.439313448488704	0.00937394176310185	0.632033554856033
KICH	GTF2H1	cg11063328	-0.207397630251613	66	-1.69605891485021	0.0947343810370447	0.0430137770339846	0.229123781700477
KICH	GTF2H1	cg11176342	-0.167896676667124	66	-1.36251485912968	0.177811089649891	0.0281892940358647	0.354292341987645
KICH	GTF2H1	cg11347316	0.120730051447944	66	0.972957228390346	0.334237640597493	0.0145757453226231	0.533794892583634
KICH	GTF2H1	cg11662851	0.21738787725344	66	1.78171213100035	0.0795404909156001	0.0472574891767567	0.202194979259818
KICH	GTF2H1	cg13777411	0.216874291946824	66	1.77729476899983	0.0802712350912078	0.0470344585074362	0.203520531326318
KICH	GTF2H1	cg14132868	0.179549157953963	66	1.46012169772205	0.14914831532589	0.0322379001219773	0.314585203030853
KICH	GTF2H1	cg17174493	-0.0145051446772179	66	-0.116053366829041	0.907973634500924	0.000210399222107022	0.951183691386546
KICH	GTF2H1	cg18321761	0.378471425831395	66	3.2710987073717	0.00172785524627774	0.143240620170849	0.0105540243020644
KICH	H2AFZ	cg02758870	0.187061837036185	66	1.52338527921745	0.132588648824707	0.0349921308753524	0.290070062337784
KICH	H2AFZ	cg09308803	0.0499697642649573	66	0.400258144213974	0.690299314277171	0.0024969773406954	0.822027818020052
KICH	H2AFZ	cg16267491	-0.101452434532721	66	-0.815828834071942	0.417624079339908	0.010292596472616	0.613062754805616
KICH	H2AFZ	cg17709884	0.131790620804428	66	1.06360215562538	0.291505635041815	0.0173687677320166	0.48911632672856
KICH	H2AFZ	cg20934652	-0.0405845092368756	66	-0.324943792028463	0.746283442347652	0.00164710238999804	0.857555118801222
KICH	H2AFZ	cg23752380	0.0756982721197321	66	0.607328743076171	0.545781612314945	0.00573022840191301	0.7195967797385
KICH	H2AFZ	cg24061702	-0.0777388223716993	66	-0.623798343295506	0.534977144246734	0.00604332450373861	0.711519310600429
KICH	H3F3A	cg06319713	0.408796811531642	66	3.58347948855594	0.000654807826344934	0.167114833118437	0.00471231452753726
KICH	H3F3A	cg10632229	0.0580676625288384	66	0.465326468983689	0.643277214853819	0.00337185343156306	0.790638561525423
KICH	H3F3A	cg10983539	-0.155493978483922	66	-1.25926851214386	0.2125068167731	0.0241783773447584	0.398749494779095
KICH	H3F3A	cg11978873	0.0745111633371502	66	0.597750946992747	0.552115442419729	0.00555191346185548	0.724402427437097
KICH	H3F3A	cg15538837	-0.13072164976695	66	-1.0548245321553	0.295471457811529	0.0170881497177932	0.493429215803497
KICH	H3F3A	cg15624314	0.0838424392379455	66	0.673109516318525	0.503301033547076	0.00702955461736858	0.686744367428656
KICH	H3F3A	cg16724613	-0.172725165067569	66	-1.40288662356148	0.165483398031246	0.0298339826476188	0.337580056809826
KICH	H3F3A	cg16727519	-0.160245765888021	66	-1.29874967802358	0.198689865288653	0.0256787054850383	0.381359437967616
KICH	H3F3A	cg18947521	0.08921388225395	66	0.716568380543755	0.476247286043697	0.00795911678682165	0.664059029439406
KICH	H3F3A	cg19410789	0.0795348606088104	66	0.638300967997477	0.525555302265295	0.00632579405206291	0.704442280495559
KICH	H3F3A	cg21266749	-0.221679537862642	66	-1.81868598602404	0.0736386157660137	0.0491418175069943	0.191299087520913
KICH	H3F3A	cg21789564	0.00558185000220886	66	0.0446554956898334	0.964520947806209	3.11570494471591e-05	0.981374645081433
KICH	H3F3A	cg22519151	-0.00355609051094787	66	-0.0284489039674381	0.977392647130732	1.26457797220535e-05	0.988173495177723
KICH	H3F3A	cg27530209	-0.280507058221174	66	-2.33791933859294	0.0225295304038786	0.0786842097118972	0.0796483657459365
KICH	H3F3A	cg27560444	0.0198472311408144	62	0.153766279572685	0.878310041204637	0.000393912583956914	0.935408422792357
KICH	HAT1	cg00414306	-0.34223133285527	66	-2.91379825131757	0.00491352070107792	0.117122285187895	0.0244400530319473
KICH	HAT1	cg01583365	0.293282006869087	66	2.45417605468498	0.0168519348553053	0.086014335553159	0.0638039334274406
KICH	HAT1	cg04507121	0.271147423145469	66	2.25360429137307	0.0276542162694814	0.0735209250784279	0.0929140580663401
KICH	HAT1	cg04950839	-0.0954322899510709	66	-0.76695877805133	0.445926104108421	0.00910732196530527	0.63783142132475
KICH	HAT1	cg05421799	0.422968981538719	66	3.7342312599394	0.000402893075399932	0.178902759343901	0.00312209023883478
KICH	HAT1	cg09545452	-0.415029425229723	66	-3.64938035639838	0.000530262324152913	0.172249423806514	0.00393956902350795
KICH	HAT1	cg10190161	-0.218957110641089	66	-1.79521879512707	0.0773404094363763	0.047942216300294	0.198185757369029
KICH	HAT1	cg12941622	-0.309537702764752	66	-2.60420131805766	0.01143569171442	0.0958135894328802	0.0473559140440537
KICH	HAT1	cg13293756	-0.337266775315779	66	-2.86605914350152	0.00561843265960692	0.113748877731904	0.0272331265431838
KICH	HAT1	cg14446129	0.143683560740256	66	1.16152079363327	0.249743851837462	0.0206449656269987	0.443392514716407

KICH	HAT1	cg16017358	0.0486931375928953	66	0.390007733523651	0.697825801151065	0.00237102164864063	0.826728359955793
KICH	HDAC1	cg03762702	0.125394782948719	66	1.01113926275934	0.315757372217872	0.0157238515907563	0.514950477296786
KICH	HDAC1	cg04967775	-0.120591384093093	66	-0.971823214735458	0.334797214194115	0.0145422819174879	0.534380852719675
KICH	HDAC1	cg06473843	-0.188019662936013	66	-1.53147067830546	0.13058152175007	0.0353513936505721	0.287059424184044
KICH	HDAC1	cg10842753	-0.0349863776625626	66	-0.280062478549885	0.780332805086272	0.00122404662194746	0.87866590570648
KICH	HDAC1	cg14172124	-0.200727749174446	66	-1.63918420399985	0.106081934876945	0.0402916292886395	0.248398339759113
KICH	HDAC1	cg20002354	-0.0353199064393689	66	-0.282735662324397	0.778291915127064	0.00124749579088577	0.877332076238839
KICH	HDAC1	cg20793809	-0.154608627945327	66	-1.25192239466261	0.215154276749302	0.0239038278351366	0.402194151418571
KICH	HDAC1	cg21930229	0.177863661978252	66	1.44596500600884	0.153066555337685	0.0316354822523139	0.320208694419058
KICH	HDAC1	cg23018091	-0.17772366206722	66	-1.44478972234878	0.153395416406799	0.0315857000585834	0.320587889851719
KICH	HDAC1	cg26115470	-0.154010548932723	66	-1.24696163705208	0.216955789795141	0.0237192491825585	0.404265235188185
KICH	HDAC10	cg00711351	0.116175245734251	66	0.935738100172102	0.352925550218105	0.0134966877214137	0.551946811685408
KICH	HDAC10	cg01120165	0.101576005455048	66	0.816832881670873	0.417054189733429	0.0103176848842039	0.612552276824529
KICH	HDAC10	cg04321608	0.0334863138631735	66	0.268040834603509	0.789529912910422	0.00112133321614297	0.88415803024347
KICH	HDAC10	cg04586023	-0.0226324395235586	66	-0.181105905826019	0.856856772057985	0.000512227318787538	0.923827400164829
KICH	HDAC10	cg07482373	-0.0470085081912982	66	-0.376484273034976	0.707802190498569	0.00220979984237135	0.833488694241038
KICH	HDAC10	cg07744063	0.0322652016849109	66	0.258256076355026	0.797037988289957	0.00104104323976798	0.888951979763185
KICH	HDAC10	cg09151829	-0.0602822951339245	66	-0.4831370091406	0.630647175360778	0.00363395510661358	0.782053566065968
KICH	HDAC10	cg10508940	-0.0157245123063986	66	-0.125811653525583	0.900275410231162	0.000247260287274081	0.947392969408495
KICH	HDAC10	cg11645658	-0.0804530289677733	66	-0.645717388529411	0.520770901095563	0.00647268987008937	0.700971078546478
KICH	HDAC10	cg12464820	0.0798159703735595	66	0.640571431731262	0.52408816467467	0.00637058912667293	0.703249929843921
KICH	HDAC10	cg26943378	-0.154236108764838	66	-1.24883237455205	0.216275125878959	0.023788777246919	0.403526815654351
KICH	HDAC11	cg01409735	-0.120173477515962	66	-0.968405947631135	0.336487182559035	0.0144416646982795	0.536066922241968
KICH	HDAC11	cg01712016	0.106498048349133	66	0.85685741084008	0.394720815416107	0.0113418343021742	0.59142894414553
KICH	HDAC11	cg02762546	0.0933079721714258	66	0.749734648798322	0.456161739836523	0.00870637767074356	0.646387001618259
KICH	HDAC11	cg02941903	-0.101448817538361	66	-0.815799445576788	0.417640767093088	0.0102918625799317	0.613064114937725
KICH	HDAC11	cg05987698	0.00732686986020306	66	0.0586165322590346	0.953440182633948	5.3683021948352e-05	0.975381963590045
KICH	HDAC11	cg07450135	-0.0314810477968404	66	-0.25197327318463	0.801869134870297	0.000991056370386947	0.891900188572964
KICH	HDAC11	cg08051076	-0.2014636017492	66	-1.6454470578177	0.104780659920515	0.0405875828297601	0.246285362959075
KICH	HDAC11	cg08448040	0.0205988273896913	66	0.164825591540362	0.869600759772283	0.000424311689830295	0.930839912842272
KICH	HDAC11	cg10455785	-0.113755999443266	66	-0.915993970790599	0.363108710344115	0.0129404274093364	0.562075752397924
KICH	HDAC11	cg11432034	-0.107351306193078	66	-0.863802232226649	0.390922381183468	0.0115243029413599	0.588200378519543
KICH	HDAC11	cg13397067	-0.177759975007509	66	-1.44509455673386	0.153310066637241	0.0315986087146701	0.32049462261427
KICH	HDAC11	cg13706066	0.0432279788362792	66	0.346147397498312	0.730367325574759	0.0018686581542698	0.847501502427774
KICH	HDAC11	cg16254764	0.176345244627173	66	1.43322288507017	0.156661386428688	0.0310976453026177	0.325166071172625
KICH	HDAC11	cg18521047	-0.13972616745009	66	-1.12888348017206	0.263160763609239	0.0195234018702905	0.458568417798969
KICH	HDAC11	cg19779799	0.0493396198090779	66	0.395198286562754	0.694010715182887	0.00243439808290435	0.824549765981513
KICH	HDAC11	cg20894727	-0.216809724556288	66	-1.77673953269549	0.0803634790268744	0.0470064566621733	0.203661481168084
KICH	HDAC11	cg20922324	0.00386976758886767	66	0.0309583725141898	0.975399080635345	1.49751011918507e-05	0.987059461189542
KICH	HDAC11	cg21655280	-0.153503569557389	66	-1.24275760372939	0.218491171689416	0.0235633458668601	0.406225854653373
KICH	HDAC11	cg25127083	-0.146438408747194	66	-1.18427399260513	0.240684227493441	0.0214442075564104	0.432759875967844
KICH	HDAC11	cg25150878	0.0307039884750995	66	0.245747772616626	0.806663879561214	0.000942734908279046	0.895208419876835
KICH	HDAC11	cg27025856	-0.15195356655669	66	-1.22991070661793	0.223232560795263	0.0230898863892986	0.411988845950529
KICH	HDAC2	cg00161229	-0.154217688376525	66	-1.24867959290832	0.216330656086411	0.023783095408199	0.403568908649342
KICH	HDAC2	cg01129566	0.168846007017079	66	1.37044428778614	0.175336105473947	0.0285089740856114	0.350995053322512
KICH	HDAC2	cg08198132	-0.214333477634637	66	-1.75546384583721	0.0839650414157606	0.0459388396349573	0.210146267474107
KICH	HDAC2	cg10999867	0.0593889028614361	66	0.475951314391558	0.635729783413648	0.0035270417830851	0.785485594690545
KICH	HDAC2	cg13393754	-0.1448323899167	66	-1.17100596784859	0.245937923668741	0.0209764211689829	0.438931739189341
KICH	HDAC2	cg15005908	-0.117227167191238	66	-0.944328362611948	0.348553349884698	0.0137422087276825	0.547756080968339
KICH	HDAC2	cg15242771	-0.381090969882426	66	-3.29757052544763	0.00159461022269298	0.145230327325928	0.00989006678339931
KICH	HDAC2	cg18387216	-0.222423042483852	66	-1.82510270620093	0.0726526290447703	0.0494720098277734	0.189414478498236
KICH	HDAC2	cg18674783	0.155996268433911	66	1.26343759974081	0.211015076004075	0.0243348357653049	0.39685975298958
KICH	HDAC2	cg22867643	-0.317713541937656	66	-2.68059888650924	0.00933510844467773	0.100941894730571	0.0403969197499727
KICH	HDAC2	cg24023618	0.131307360520744	66	1.05963350309276	0.293294156004824	0.0172416229269246	0.491005306166247
KICH	HDAC3	cg01947930	-0.0255821274941348	66	-0.204724021248381	0.838437443962063	0.000654445247126166	0.913546633177186
KICH	HDAC3	cg01961137	-0.371297310624427	66	-3.1990668783485	0.00214541267230059	0.137861692876933	0.0125677886618187
KICH	HDAC3	cg04284814	-0.26630986914578	66	-2.21029842267124	0.0306667355822327	0.0709209464044426	0.100312457251935

KICH	HDAC3	cg08520975	-0.0253693756940985	66	-0.203020348546614	0.839763208060791	0.000643605223108315	0.914184506344456
KICH	HDAC3	cg10414058	0.37484373551839	66	3.23459030790797	0.00192887942877641	0.140507826057381	0.0115435992216503
KICH	HDAC3	cg11064797	0.273251460276078	66	2.27249691933857	0.0264239401867194	0.074666360543009	0.089788765741489
KICH	HDAC3	cg11153694	0.28947031128962	66	2.41934178809357	0.0184009563461806	0.0837930611181094	0.0682764474861572
KICH	HDAC3	cg12082871	0.206350441367094	66	1.68711332629161	0.0964502665182527	0.0425805046523945	0.232104805070713
KICH	HDAC3	cg14098966	-0.216656790873838	66	-1.77542450307276	0.0805823024925413	0.0469401650317502	0.204062581390373
KICH	HDAC3	cg17940889	0.183363072898658	66	1.492204522679	0.140558799142854	0.0336220165028386	0.302136752798188
KICH	HDAC3	cg18671773	-0.243932691149855	66	-2.0122471605525	0.048406655478959	0.0595031578116107	0.140828248179886
KICH	HDAC3	cg19549288	0.292642132861294	66	2.44831950616549	0.0171038845717765	0.0856394179256071	0.0645599027839292
KICH	HDAC3	cg20642138	-0.147360625369665	66	-1.19189714582311	0.237702560046799	0.0217151539093389	0.429209690905573
KICH	HDAC3	cg23421926	-0.299116242934822	66	-2.50774273029686	0.0146977418357954	0.0894705267874434	0.0574628670406003
KICH	HDAC3	cg24385322	0.249202731921372	66	2.05856688151958	0.0436114585904189	0.0621020015970754	0.130496043603171
KICH	HDAC6	cg07153944	-0.181630046432209	66	-1.47761768441481	0.144414615051067	0.0329894737669665	0.307729554160259
KICH	HDAC6	cg07674520	-0.070975416401318	65	-0.564774226849931	0.574232905252005	0.00503750973334048	0.741478822699462
KICH	HDAC6	cg10783042	-0.173870899322287	66	-1.41248146934935	0.162652686731127	0.030231089631141	0.333295577936473
KICH	HDAC6	cg12510923	0.00548184038694912	66	0.0438553820402456	0.965156225204332	3.00505740279864e-05	0.981635856389837
KICH	HDAC6	cg13178935	-0.100781763144722	66	-0.810380109527694	0.420724914236104	0.0101569637825588	0.615892290677122
KICH	HDAC6	cg17152375	-0.079970494996692	66	-0.641819559698313	0.523282560493711	0.00639528007001594	0.702726501597606
KICH	HDAC6	cg24616736	-0.0562945158891165	66	-0.451071433318705	0.653462736125373	0.00316907251918999	0.797719613566476
KICH	HDAC6	cg26680189	-0.171742917979234	66	-1.3946655608265	0.167938864268699	0.0294956298760219	0.340951697953072
KICH	HDAC9	cg00332048	-0.248321363983961	66	-2.05080688587842	0.0443849708526252	0.061663499810855	0.132238689537326
KICH	HDAC9	cg02301805	-0.122981998027924	66	-0.991381659862388	0.325232726851275	0.0151245718389403	0.524724267963584
KICH	HDAC9	cg03260621	-0.0436422047078139	66	-0.34947060448481	0.727883351388173	0.00190464203175873	0.846097610689383
KICH	HDAC9	cg07513622	0.0553930508040312	66	0.443825844973064	0.658665463551641	0.00306839007737798	0.801379747756277
KICH	HDAC9	cg08146609	-0.134516561057532	66	-1.08600279253966	0.281551359898603	0.0180947051987448	0.47866067157409
KICH	HDAC9	cg08285151	-0.209485317946158	66	-1.71391116001286	0.0913849098239087	0.0438840984350029	0.223265542450253
KICH	HDAC9	cg08725366	0.0686398017134088	66	0.550416567015523	0.583949797956496	0.00471142237925608	0.748752841758597
KICH	HDAC9	cg10068437	-0.0166760320786066	66	-0.13342681025273	0.894274506968845	0.000278090045886716	0.943984826805381
KICH	HDAC9	cg11321459	0.0211063616843589	66	0.168888515766954	0.866416977856955	0.000445478503550972	0.928992460224103
KICH	HDAC9	cg11765288	0.0364175817613092	66	0.291534040321812	0.771585754686599	0.00132624026134164	0.873366636597737
KICH	HDAC9	cg12081743	-0.00183428184056671	66	-0.0146742794110204	0.988337688905962	3.3645898706328e-06	0.993899251141682
KICH	HDAC9	cg16475478	-0.113082702354903	66	-0.910501961913176	0.365974390253167	0.0127876975718876	0.564858638177635
KICH	HDAC9	cg18856632	-0.120279110247632	66	-0.969269668450626	0.336059510270364	0.0144670643619619	0.535630643003128
KICH	HDAC9	cg19585556	-0.0830662357842862	66	-0.666834447208183	0.507274916963229	0.00689999952737062	0.690068457695586
KICH	HDAC9	cg20648975	0.0959634343890173	66	0.771266980303164	0.443386993165032	0.00920898073973522	0.635601970706134
KICH	HDAC9	cg21433125	-0.00294753483232437	66	-0.02358038109154	0.981260689254778	8.68796158776545e-06	0.99035020835348
KICH	HDAC9	cg23074799	-0.0664112842404159	66	-0.532465780647132	0.596247315263686	0.00441045867446131	0.757445763147444
KICH	HDAC9	cg23385718	-0.0349281346101992	66	-0.279595678741355	0.780689351147248	0.0012199745873482	0.878895964503601
KICH	HDAC9	cg24350771	-0.0831939398994374	66	-0.667866762517865	0.506620013755898	0.0069212316359912	0.689623750658378
KICH	HDAC9	cg25620356	-0.228815848719165	66	-1.88041470723121	0.0646035747306562	0.0523566926250718	0.17375174974854
KICH	HDGF	cg00692559	0.00872762081469461	66	0.0698236258486471	0.944551757031379	7.61713650850906e-05	0.970330013006246
KICH	HDGF	cg00746981	0.0884314143040698	66	0.710233820075681	0.480139187012922	0.00782011503581805	0.667396552062175
KICH	HDGF	cg01910231	-0.216609409526581	66	-1.77501711329708	0.0806501933442577	0.0469196362954541	0.204161958316462
KICH	HDGF	cg02914429	-0.210862585138812	66	-1.72570185601123	0.0892266056096165	0.0444630298114225	0.219487574918403
KICH	HDGF	cg04402095	-0.157514248234985	66	-1.2760431973019	0.206551840031982	0.0248107383970326	0.391151803640773
KICH	HDGF	cg05762852	-0.140744277063877	66	-1.13727466787763	0.259663522412359	0.0198089515262333	0.454571854326186
KICH	HDGF	cg05967123	0.0280609160859607	66	0.224575763263408	0.823024778114734	0.000787415011583328	0.90474290381251
KICH	HDGF	cg06106793	0.128861912745702	66	1.03956260616684	0.302454660506328	0.016605392556481	0.500780203457046
KICH	HDGF	cg06119628	-0.340444393822762	66	-2.89658358044381	0.00515769434399921	0.115902385285348	0.0254140913223381
KICH	HDGF	cg07313589	0.245533810824708	66	2.02629951164881	0.0469061332686092	0.0602868522581033	0.137710557667981
KICH	HDGF	cg07892339	-0.234048823097511	66	-1.925882263999499	0.0585636359984813	0.0547788515933301	0.161797695108525
KICH	HDGF	cg08597205	0.0369284317444114	66	0.295629098766794	0.768470397173984	0.00136370907110165	0.871692077771906
KICH	HDGF	cg08708935	-0.10749235480521	66	-0.864950438177945	0.390296571840422	0.0115546063415691	0.58769610385866
KICH	HDGF	cg09063372	0.101720742980547	66	0.818008962302168	0.416387252714051	0.0103471095525145	0.611939961794629
KICH	HDGF	cg09477492	-0.126229352083505	66	-1.01797753344001	0.312521526171748	0.0159338493274215	0.511566179111737
KICH	HDGF	cg11588596	-0.00516049617189187	66	-0.0412845190970444	0.967197600305713	2.66307207401107e-05	0.98275902722455
KICH	HDGF	cg12220178	-0.283265263288064	66	-2.36290282528026	0.021182664471496	0.0802392093856563	0.0761006834716707

KICH	HDGF	cg12421458	-0.0576490954378351	66	-0.461961047243126	0.645675793200984	0.00332341820480062	0.792254107289749
KICH	HDGF	cg13170934	-0.0391474290049625	66	-0.313419685279022	0.754981026909146	0.00153252119769858	0.863225414943931
KICH	HDGF	cg13235992	0.144614002163007	66	1.16920250373099	0.246658341467593	0.0209132096216023	0.43984279790396
KICH	HDGF	cg14155849	0.0342892749785955	66	0.274475605233325	0.784603193968905	0.00117575437855773	0.881045676376207
KICH	HDGF	cg15503799	0.0529052848750878	66	0.423835846369014	0.673106679806415	0.0027989691677142	0.810871688818933
KICH	HDGF	cg17170583	-0.171515547749426	66	-1.39276316385525	0.168511042290883	0.0294175831197858	0.341678804151351
KICH	HDGF	cg17218029	-0.2126423810438	66	-1.7409545170138	0.0864971059978089	0.0452167822159768	0.214769904056479
KICH	HDGF	cg17971171	0.186687482631851	66	1.52022642623611	0.13337941801785	0.0348522161714175	0.291305689318258
KICH	HDGF	cg18593717	-0.143530253316829	66	-1.16025539230884	0.25025476199987	0.020600933617193	0.443894362602442
KICH	HDGF	cg19599803	0.204649163687643	66	1.67259309073661	0.0992895593278993	0.0418812801980518	0.237031085351662
KICH	HDGF	cg20284773	0.0281798671588138	66	0.225528501700552	0.822286785975729	0.000794104913088395	0.904546729411957
KICH	HDGF	cg23747104	-0.151961673954128	66	-1.22997787894026	0.223207575129998	0.0230923503509406	0.411971557353831
KICH	HDGF	cg26431298	0.120936708734238	66	0.97464736707175	0.333404795899601	0.01462568751947	0.532999630083551
KICH	HDGFL1	cg02685945	0.247837624307667	66	2.04655011328547	0.0448142953394841	0.0614234880224685	0.133165901132155
KICH	HDGFL1	cg03930485	0.0912889332624256	66	0.733373706355871	0.466008476618891	0.0083336693361916	0.65526730104094
KICH	HDGFL1	cg05276066	0.0606724100825751	66	0.486275129599723	0.628433090251009	0.00368114134522816	0.780602018601399
KICH	HDGFL1	cg06566039	-0.0678020183367707	66	-0.543667236248122	0.588559362627853	0.00459711369053979	0.752113064971519
KICH	HDGFL1	cg08671671	-0.0990377870153759	66	-0.796216757878813	0.428849648114695	0.00980848325690295	0.62300521989607
KICH	HDGFL1	cg09081892	-0.21875594554519	66	-1.79348651738419	0.0776197098871096	0.04785416371137	0.198642927526739
KICH	HDGFL1	cg11894257	-0.045498954976335	66	-0.364368985323677	0.716783628436841	0.00207015490393856	0.839048204740071
KICH	HDGFL1	cg15317945	0.0250795524627559	66	0.200699548027699	0.841569956958665	0.000628983951732126	0.915190858192273
KICH	HDGFL1	cg20209681	0.00113221507164473	66	0.00905772637875912	0.992801254275329	1.28191096845949e-06	0.996246124154723
KICH	HDGFL1	cg21898884	-0.0103869196820212	66	-0.0830998403190456	0.934031522987766	0.000107888100480759	0.964941811629309
KICH	HIST1H1	cg00667898	-0.0219658311219055	66	-0.175769058177839	0.861030342313761	0.000482497736876071	0.92619010315063
KICH	HIST1H1	cg00700007	0.00809378139309132	66	0.0647523721206631	0.948572997443642	6.55092972391513e-05	0.972666479011042
KICH	HIST1H1	cg03821311	-0.065991515021422	66	-0.529085428962698	0.59857653560002	0.00435488005482257	0.75904125660931
KICH	HIST1H1	cg04676561	-0.049624021155745	66	-0.397481879118815	0.692334765410274	0.00246254347566583	0.823363358613246
KICH	HIST1H1	cg07138603	0.00659184240221791	66	0.0527358849802118	0.958106610347716	4.3452386255678e-05	0.9779717888758433
KICH	HIST1H1	cg11206041	0.0416450141009563	66	0.333449390124988	0.739885099090795	0.00173430719946885	0.85351693282129
KICH	HIST1H1	cg14334286	0.00214146833806866	66	0.0171317859868086	0.986384777826187	4.58588664295057e-06	0.992881120608273
KICH	HIST1H1	cg18798248	-0.0369619645874524	66	-0.295897911696682	0.768266028178497	0.00136618682616409	0.871638189769542
KICH	HIST1H1	cg23460835	-0.00138722386106144	66	-0.011097801566746	0.9911799394022	1.9243900406982e-06	0.99526328916156
KICH	HIST1H1	cg00903962	-0.0298399784078863	66	-0.238826179261068	0.812003476703528	0.000890424311383118	0.898725481620422
KICH	HIST1H1	cg04290376	-0.0658796422444185	66	-0.528184578462863	0.599197976025242	0.00434012726225257	0.759507402921558
KICH	HIST1H1	cg07750111	0.128752358568544	66	1.03866389974412	0.302869345503213	0.0165771698369629	0.501224214743335
KICH	HIST1H1	cg08283682	0.215923903000157	66	1.76912452733455	0.0816375116649865	0.0466231318868212	0.205941211889254
KICH	HIST1H1	cg10717387	0.121358672205134	66	0.978098778764428	0.331708315043346	0.0147279273193931	0.531424619228182
KICH	HIST1H1	cg12633985	-0.0140626951381485	66	-0.112512686875689	0.910769073484354	0.000197759394548504	0.952739377716485
KICH	HIST1H1	cg15022984	-0.0652732080627061	66	-0.523301641764679	0.602571603489607	0.00426059169079732	0.761859534883883
KICH	HIST1H1	cg16481032	-0.0592729438836567	66	-0.475018722597509	0.636390723454677	0.00351328187663511	0.785981138318936
KICH	HIST1H1	cg16482183	0.0479901624433155	66	0.384364160710921	0.701982744831567	0.00230305569133581	0.829360107697156
KICH	HIST1H1	cg17691542	0.0960235817580771	66	0.771754887614518	0.443099970793702	0.00922052825365011	0.635377152033284
KICH	HIST1H1	cg20855557	0.225549145972973	66	1.85211895598641	0.0686218624097755	0.0508724172491373	0.181676053781176
KICH	HIST1H1	cg23407813	0.0314368140336176	66	0.251618877109214	0.802141879975603	0.000988273276584257	0.892040846996913
KICH	HIST1H3	cg00958605	-0.040367529701249	66	-0.323203681228506	0.747594668313421	0.00162953745418122	0.858350397706137
KICH	HIST1H3	cg01043409	0.0164473415077824	66	0.131596532687002	0.895716252302401	0.000270515042673621	0.944680113125637
KICH	HIST1H3	cg08041469	-0.0394747984475789	66	-0.31604472346182	0.752996988106436	0.00155825971247698	0.861792883832582
KICH	HIST1H3	cg08401836	0.00884933525279722	66	0.0707974541769669	0.943779724074458	7.83107344163996e-05	0.970012480447531
KICH	HIST1H3	cg10075390	-0.100256257503546	66	-0.806111532936984	0.423163772681188	0.0100513171686174	0.618243328862854
KICH	HIST1H3	cg15479139	-0.239970276453613	66	-1.97754562838242	0.0522899048800474	0.0575857335812232	0.149076148357768
KICH	HIST1H3	cg15797414	-0.102555271013545	66	-0.824791037584366	0.41255382853052	0.0105175836126616	0.608225075079183
KICH	HIST1H3	cg21209604	0.0140485050140635	66	0.112399132233904	0.910858746094362	0.000197360493130166	0.952746161049252
KICH	HIST1H3	cg23099349	-0.092274696590317	66	-0.741360521366271	0.461186630852924	0.00851461963083507	0.650757323524856
KICH	HIST1H3	cg25701114	-0.0331461822564559	66	-0.265315244975823	0.791619346263587	0.00109866939817819	0.885669970353984
KICH	HLTF	cg00906762	-0.0666125727172314	66	-0.534086833473852	0.595131835430764	0.00443723484400845	0.756577966096045
KICH	HLTF	cg02059813	-0.10271767840613	66	-0.826111100500977	0.411810187687501	0.0105509214571452	0.607451065453676
KICH	HLTF	cg02398045	-0.130530155102258	66	-1.0532525115779	0.29618560015339	0.0170381213910196	0.494144471859418

KICH	HLTF	cg02611507	0.270931600991629	66	2.25166835333598	0.0277830958561641	0.0734039324158874	0.0932343265910807
KICH	HLTF	cg02710346	-0.0685520490903576	66	-0.549709561790532	0.584431850994175	0.00469938343448679	0.749078036349631
KICH	HLTF	cg03678609	-0.0461135296576006	66	-0.369301097788535	0.713122375150462	0.00212645761748241	0.83678962928119
KICH	HLTF	cg04120413	0.00419273291251783	66	0.0335421581203926	0.973346639821783	1.75790092757102e-05	0.986008574754812
KICH	HLTF	cg04731810	0.146043228414095	66	1.18100835165109	0.241969745028191	0.0213286245656116	0.434278186938277
KICH	HLTF	cg04836786	-0.14327876820929	66	-1.15817981584899	0.251094400141279	0.0205288054195716	0.444697798348452
KICH	HLTF	cg05555455	-0.12327257044273	66	-0.993760121069624	0.324082139466694	0.0151961266235578	0.523465024140356
KICH	HLTF	cg07275648	0.0296292531431854	66	0.237138138914302	0.813307068323871	0.000877892641822961	0.899423059406693
KICH	HLTF	cg09352720	0.162063357889422	66	1.31387583589529	0.193578184637468	0.0262645319703949	0.374682058511326
KICH	HLTF	cg09392355	0.040074245432436	66	0.320851702096536	0.749368143557183	0.00160594514697912	0.859593587326487
KICH	HLTF	cg15438497	-0.220708296705474	66	-1.81030883815391	0.0749426711589399	0.0487121522346317	0.193774392931784
KICH	HLTF	cg16724124	0.34493355319816	66	2.93989850529726	0.00456365651622511	0.118979156121908	0.0230431034609733
KICH	HLTF	cg20117402	-0.124183695290944	66	-1.00121975891207	0.320491140504196	0.015421590176114	0.519919390744804
KICH	HLTF	cg21089667	-0.0227947567134317	66	-0.182405448885668	0.855841106748149	0.000519600933624539	0.923327551150573
KICH	HLTF	cg21111416	0.00852109073951217	66	0.068171200881957	0.945861890351246	7.2608987391e-05	0.97109570134717
KICH	HLTF	cg21835021	-0.09003285838853	66	-0.723199929907669	0.472191945624123	0.0081059155896091	0.660263668976865
KICH	HLTF	cg21926402	-0.155750450067559	66	-1.26139714236335	0.211744200533816	0.0242582026962472	0.397865521866761
KICH	HLTF	cg24041269	-0.124587144663507	66	-1.00452373394023	0.318909176579634	0.0155219566154057	0.518284041172308
KICH	HLTF	cg24710191	0.298085727300626	66	2.49825890933051	0.0150600364526024	0.0888551008203431	0.05854974891523
KICH	HLTF	cg25951608	-0.19936058958301	66	-1.62755595107984	0.108532783951569	0.0397446446788854	0.252578658451847
KICH	HLTF	cg26151310	0.0541624961482006	66	0.433936930151574	0.66579358205998	0.00293357598900384	0.806018455069625
KICH	HLTF	cg27554556	-0.112413953315458	66	-0.905048308692929	0.368834309644411	0.01263689690001	0.567566396841196
KICH	IDH1	cg00707300	-0.109752499793299	66	-0.88335640097471	0.380349973917451	0.0120456112108781	0.578752638325125
KICH	IDH1	cg01046174	-0.195041625723278	66	-1.59088602691184	0.116563132974618	0.0380412357647791	0.265360809081722
KICH	IDH1	cg02241586	-0.0921758638793692	66	-0.740559663892255	0.461668838305893	0.00849638988190801	0.65123693280329
KICH	IDH1	cg03448938	-0.00269431315211016	66	-0.0215545834528689	0.982870323985435	7.25932336163381e-06	0.991114283694631
KICH	IDH1	cg05268564	-0.123634786805527	66	-0.99672538255623	0.322651490734501	0.0152855605084481	0.522075631444107
KICH	IDH1	cg07129696	0.0456855249959352	66	0.365866211378941	0.7156714840175	0.00208716719415422	0.83837086257182
KICH	IDH1	cg07915542	0.0319148447406155	66	0.255448885734588	0.799195599506881	0.0010185573148176	0.890342581527114
KICH	IDH1	cg09406631	-0.0555968155007137	66	-0.44546352202805	0.657488030152458	0.00309100589382039	0.800485528548764
KICH	IDH1	cg09615745	-0.0310940996148224	66	-0.248873136641884	0.804255850240995	0.0009668430308565	0.893535933700575
KICH	IDH1	cg10356455	0.0802820899437001	66	0.644336519522943	0.52165996956475	0.00644521396572836	0.701601183782029
KICH	IDH1	cg14772913	-0.0758806858383152	66	-0.608800717230188	0.544811470216256	0.00575787848329308	0.718932246472145
KICH	IDH1	cg15399923	-0.0977298975580504	66	-0.785599866065323	0.43500077042942	0.00955113287670702	0.628373935729682
KICH	IDH1	cg16085695	0.015543095340977	66	0.124359785539496	0.901420186222142	0.0002415878127787	0.947956498370603
KICH	IDH1	cg16863783	0.205777006225975	66	1.6822173369666	0.0974001088593811	0.0423441762913249	0.233631723871691
KICH	IDH1	cg24324379	-0.0034178918310257	66	-0.0273432943606434	0.978271009713976	1.16819845685922e-05	0.988731014663822
KICH	IDH1	cg24830471	-0.204897309422018	66	-1.67471000055171	0.0988714153361293	0.0419829074083824	0.236279966394137
KICH	IDH1	cg24987806	0.253328830818899	66	2.09496802819738	0.0401366565441667	0.0641754965240702	0.122774105819318
KICH	IDH1	cg25795625	-0.0302590485776926	66	-0.242183286734316	0.809412533583883	0.000915610020827163	0.897002256209645
KICH	IDH1	cg26105702	-0.166535062423659	66	-1.35114856854493	0.181405119225189	0.0277339270164521	0.3586700006355
KICH	ING2	cg02075087	-0.0044959565835153	66	-0.0359680161919659	0.971419813562363	2.02136256008546e-05	0.984864632438493
KICH	ING2	cg02552216	0.00872475544582089	66	0.0698007002791592	0.944569932640998	7.61213575893813e-05	0.970330013006246
KICH	ING2	cg10348863	0.163196051200733	66	1.32330914262105	0.190440748784272	0.0266329511275124	0.370675298627769
KICH	ING2	cg17985608	0.0221572283458074	66	0.1773013545184	0.859831629908735	0.000490942767968251	0.925481304917936
KICH	ING3	cg01382559	-0.164739029144451	66	-1.33616804332778	0.186225924687919	0.0271389477234564	0.365139116472729
KICH	ING3	cg01416111	-0.146980599081058	66	-1.18875541928269	0.238928142760115	0.0216032965062267	0.43070879322395
KICH	ING3	cg10268125	-0.0707982273874811	66	-0.567810650725645	0.572150214005284	0.00501238900120948	0.739813868835438
KICH	ING3	cg14303833	0.151513501000074	66	1.22626500676076	0.224591702551743	0.0229563409852993	0.413829628335156
KICH	ING3	cg16130600	0.218854773210953	66	1.79433751454247	0.077482396102199	0.0478974117572176	0.198443401800697
KICH	ING3	cg18485114	0.148183014636657	66	1.19869779372003	0.235065219259488	0.0219582058268077	0.426225715444373
KICH	ING3	cg19478983	-0.00031409500069411	66	-0.0025127601295019	0.998002925639906	9.86556694610333e-08	0.99896681840158
KICH	ING3	cg19960827	-0.0667439980179621	66	-0.535145286845942	0.594404018464493	0.00445476127142173	0.756042415428317
KICH	ING3	cg20553930	-0.0194812251604288	66	-0.155879383616835	0.876618731780609	0.000379518133751324	0.93469123660963
KICH	ING3	cg24859794	-0.165578537948726	66	-1.34316858739024	0.183961184794418	0.0274162522292378	0.362287388230898
KICH	ING4	cg00369908	0.0133470318961297	66	0.106785767175047	0.915292972181903	0.000178143260436302	0.955226622089807
KICH	ING4	cg00443163	-0.132694340798796	66	-1.07102580037288	0.288180262064216	0.017607788080027	0.485715731584705

KICH	ING4	cg00591160	-0.0480048593945157	66	-0.384482143792864	0.701895746826708	0.00230446652548723	0.829269917664772
KICH	ING4	cg03930474	0.11057918476455	66	0.890092130953332	0.376750173402748	0.0122277561031925	0.575259631978908
KICH	ING4	cg04375284	-0.0944195661324793	66	-0.75874623281842	0.450789716167639	0.00891505446864563	0.641544283693638
KICH	ING4	cg08733494	-0.0547368364857553	66	-0.438552162451481	0.662462937001366	0.00299612126846831	0.803687257829896
KICH	ING4	cg12392916	-0.0753438114080879	66	-0.604468623531315	0.547669151063061	0.00567668991749751	0.720927509184739
KICH	ING4	cg18123790	-0.093181433338027	66	-0.748708990756467	0.456775486928905	0.00868277951892917	0.647059419779555
KICH	ING4	cg23354319	-0.174191947390155	66	-1.41517111572723	0.161865922774251	0.0303428345355747	0.332353188246941
KICH	ING4	cg27116036	-0.0224170475777676	66	-0.179381458031864	0.858204898485808	0.000502524022103899	0.924664640782193
KICH	INO80	cg00734724	0.12432661192396	66	1.00239009082679	0.319930178784353	0.015457106432491	0.51931411610295
KICH	INO80	cg06380007	0.0574342266069355	66	0.460233523836015	0.646908489456954	0.00329869038593682	0.792960366978898
KICH	INO80	cg12580230	-0.200131657300162	66	-1.63411297601564	0.107145202092796	0.0400526802537094	0.250240290960611
KICH	INO80	cg18952654	0.210567723953894	66	1.72317666645014	0.0896852746960184	0.0443387663711233	0.220316289620502
KICH	INO80	cg21007089	0.138570033932979	66	1.11935913532277	0.267170441934321	0.019201654304187	0.462859820056978
KICH	INO80	cg21598047	0.0811988938101912	66	0.651743260202863	0.516900531403803	0.00659326035599871	0.697963305851586
KICH	INO80	cg22835709	-0.224170739674315	66	-1.84019919753698	0.0703764733085111	0.0502525205261295	0.185123140512513
KICH	INO80	cg26409855	-0.0635949317294542	66	-0.509791376791252	0.611951171876314	0.00404431534167394	0.768779631507419
KICH	INO80	cg27441689	-0.32228129370506	66	-2.72356924705964	0.00831468248628563	0.103865232272207	0.0370104943261489
KICH	INTS12	cg00093890	0.0506183927251549	66	0.405466923034253	0.686486626852351	0.00256222168207801	0.819540553823458
KICH	INTS12	cg01852585	-0.133205927384972	66	-1.07522945324346	0.286308917264746	0.0177438190904904	0.483588430016362
KICH	INTS12	cg03607115	-0.00113308241482358	66	-0.0090646651375424	0.992795739759975	1.28387575878244e-06	0.996246124154723
KICH	INTS12	cg19703969	0.0272022389466802	66	0.217698470755422	0.828356649754543	0.000739961803712284	0.90773727952846
KICH	INTS12	cg26533745	0.0587753999730588	66	0.471017479797228	0.639229815000727	0.00345454764199304	0.788011349604896
KICH	IWS1	cg02372421	-0.239719113492447	66	-1.97534958377195	0.0525443813511026	0.0574652533736048	0.149598799693591
KICH	IWS1	cg02592214	-0.453690444189599	66	-4.07281095999171	0.000130321335521597	0.205835019148956	0.00120779342096344
KICH	IWS1	cg10180764	-0.30950353714305	66	-2.60388342229982	0.011445265367681	0.0957924395040595	0.0473905138393324
KICH	IWS1	cg10488833	0.300018710008609	66	2.51605603538353	0.0143866495643089	0.09001122635523	0.056539278414036
KICH	IWS1	cg15239145	-0.156528092451767	66	-1.26785291985607	0.209443697842123	0.0245010437265888	0.394897787374764
KICH	IWS1	cg17144508	0.0455071541988136	66	0.364434783352679	0.716734740507666	0.0020709010832746	0.839016227324145
KICH	IWS1	cg18451256	0.126151707082525	66	1.01734123543769	0.312821673388072	0.0159142531998351	0.511827712760636
KICH	IWS1	cg18530950	-0.329148959290372	66	-2.7885767145389	0.00696383138885361	0.108339037401935	0.0322735791173881
KICH	IWS1	cg19311602	0.0356098789305997	66	0.285059825754608	0.776518761590065	0.00126806347745197	0.876331644826514
KICH	IWS1	cg19409088	-0.293606767186633	66	-2.45714985488658	0.0167252820929265	0.0862049337377854	0.0634324588112871
KICH	IWS1	cg21581038	-0.0727465933000888	66	-0.583518804833058	0.561594936584484	0.00529206683676853	0.73197594907773
KICH	IWS1	cg21679674	-0.309351015348361	66	-2.60246441153484	0.0114880887175674	0.095698050697062	0.0475222999943869
KICH	IWS1	cg22409775	-0.0900623767150501	66	-0.723438978127998	0.472046126791708	0.0081112316995636	0.660141590343606
KICH	IWS1	cg23570261	0.0806771348088767	66	0.647527833305324	0.519606463020893	0.0065088008096967	0.700134496999175
KICH	IWS1	cg23623107	0.184548433036972	66	1.50218994940083	0.137966349450715	0.0340581241364017	0.298245316063271
KICH	JADE1	cg09863040	-0.193510024469137	66	-1.57790529127954	0.119517777069291	0.0374461295700459	0.270007933329126
KICH	JADE1	cg12832492	-0.240665611196574	66	-1.98362749106679	0.0515906413545603	0.0579199364126203	0.147635765637551
KICH	JADE1	cg14617908	0.367265344627086	66	3.15887705335064	0.0024178138961089	0.134883833364052	0.0138526597609292
KICH	JADE1	cg15389440	-0.0213065275326188	66	-0.170490923375541	0.865161908626664	0.000453968115498244	0.928400655489381
KICH	JADE1	cg15836763	0.0107891451771575	66	0.086318185525877	0.931482969918944	0.000116405653653781	0.963712161049667
KICH	JADE1	cg20039387	0.0457114582346373	66	0.366074328882038	0.715516942469296	0.00208953741393699	0.83825011882161
KICH	JADE1	cg22922695	-0.113361522237262	66	-0.912776109845508	0.364786012703083	0.0128508347239492	0.56371869991108
KICH	JADE1	cg26766900	-0.321434522451802	66	-2.71558750022717	0.00849613994196267	0.103320152223818	0.0376351617495185
KICH	JADE2	cg04590931	-0.34542669657196	66	-2.94467060789506	0.00450224070478702	0.119319602704617	0.0227951391726782
KICH	JADE2	cg04842522	-0.0152997085420802	66	-0.122411996341414	0.902956317848566	0.000234081081472603	0.948698233430593
KICH	JADE2	cg17378563	-0.50946087329516	66	-4.73645118620755	1.24961282531685e-05	0.259550381418667	0.000159312324045721
KICH	JADE2	cg18145011	-0.381315863998764	66	-3.29984750830035	0.00158361296404967	0.145401788137124	0.00983440464000002
KICH	JADE2	cg21194015	0.0641322979652832	66	0.51411674173601	0.608941069234044	0.00411295164230787	0.76660093453454
KICH	JADE2	cg25669900	-0.273336119329485	66	-2.27325782735068	0.0263754203464374	0.0747126341301023	0.0896604128570151
KICH	JADE2	cg26133206	-0.0912778343182551	66	-0.73328379332532	0.4660629220813	0.00833164303783084	0.655314833599607
KICH	JADE3	cg10860619	0.154142811106353	66	1.24805856259432	0.216556484680111	0.0237600062157689	0.403817931225018
KICH	JADE3	cg17843048	0.144564030352694	66	1.16878985693699	0.246823391277205	0.0208987588718148	0.440026610872973
KICH	JADE3	cg19194595	0.0509827387122293	66	0.408393010689463	0.684348377512179	0.00259923964659944	0.81824353990198
KICH	JARID2	cg01769037	-0.153258693933252	66	-1.24072737780929	0.219235498387661	0.0234882272661263	0.407123230248489
KICH	JARID2	cg03223185	-0.044028946703749	66	-0.352573479743808	0.725566704864446	0.00193854814784157	0.844562485903722

KICH	JARID2	cg05197191	-0.291353904256846	66	-2.4365396879513	0.0176209218819797	0.0848870975257072	0.0660531969781105
KICH	JARID2	cg06047828	0.0269433917510482	66	0.21562541446009	0.829965463614959	0.00072594635905045	0.908681067855353
KICH	JARID2	cg14862454	-0.18026389708088	66	-1.46612888455491	0.147509532007607	0.0324950725907861	0.312247603871169
KICH	JARID2	cg15109221	0.118714060304888	66	0.9564762205174	0.342430836492692	0.0140930281140726	0.541649174598656
KICH	JARID2	cg21397480	-0.275978376489681	66	-2.29703502151738	0.0248984244086014	0.07616406428988	0.0859299954945538
KICH	JARID2	cg21901688	-0.420760827367623	66	-3.71052906603661	0.000435175084996158	0.177039673847087	0.00333241564742505
KICH	JARID2	cg25338254	-0.260074674350938	66	-2.15474540235268	0.0349510235893897	0.0676388362387464	0.110730194628914
KICH	JMJD6	cg02318866	-0.00997387838190772	66	-0.0797949960872561	0.936649293344026	9.94782499770861e-05	0.966191160375348
KICH	JMJD6	cg04510639	-0.0489358724935198	66	-0.391956574302062	0.696392468998749	0.00239471961670203	0.825928921276489
KICH	JMJD6	cg07312083	-0.304046112780309	66	-2.55324644230432	0.0130664856125411	0.0924440386968161	0.0525347140287366
KICH	JMJD6	cg08857478	0.162628051980187	66	1.31857805701774	0.192009443421465	0.0264478832908704	0.372516899634132
KICH	JMJD6	cg10712116	0.129355048920532	66	1.04360843278575	0.300592606913521	0.0167327286812332	0.498879584336311
KICH	JMJD6	cg12504415	-0.22782158032044	66	-1.87179544407864	0.0658060056146949	0.0519026724597028	0.176115054382468
KICH	JMJD6	cg15457598	0.0210553937120433	66	0.168480500033145	0.866736607182092	0.000443329604369154	0.929180459818372
KICH	JMJD6	cg21102709	-0.382760391901117	66	-3.31448927932543	0.0015145861541313	0.146505517608297	0.00947456700502496
KICH	JMJD6	cg21807925	0.00328934194698985	66	0.0263148779367731	0.979088069635718	1.0819770444227e-05	0.989222661782161
KICH	JMJD6	cg23630158	-0.409529559791253	66	-3.59119565519108	0.000638900749109774	0.167714460342817	0.00461448750127619
KICH	JMJD6	cg25004679	-0.352783794465711	66	-3.01619715930581	0.00366894077062888	0.124456405637625	0.0193519274737476
KICH	JMJD6	cg25908504	-0.226316938570539	66	-1.85876351297438	0.0676598452783069	0.051219356683941	0.17985750909211
KICH	JMJD6	cg26612088	-0.0120274361175793	66	-0.0962264492138825	0.923641412714072	0.000144659219562451	0.959803374973999
KICH	JMJD8	cg00873473	-0.294145458238311	66	-2.46208465284206	0.0165169977458849	0.0865215506022257	0.0628262919344498
KICH	JMJD8	cg02851105	-0.31063085663153	66	-2.61437852201165	0.0111330167525529	0.0964915290916379	0.046356682826532
KICH	JMJD8	cg03899598	-0.304577625385948	66	-2.55816581267487	0.0129003256973366	0.0927675298857428	0.0520251040026926
KICH	JMJD8	cg05787952	-0.352100909524563	66	-3.00953152055175	0.00374006193461213	0.123975050488025	0.0196683822173471
KICH	JMJD8	cg06191810	-0.301235287386419	66	-2.52727460311235	0.0139762632154088	0.0907426983667782	0.0552867599196336
KICH	JMJD8	cg06646636	-0.338674067706748	66	-2.87956395936432	0.00541009106539609	0.114700124137035	0.0264184686674674
KICH	JMJD8	cg08398290	-0.265900194650492	66	-2.20663932956223	0.0309340277881783	0.0707029135151693	0.100949456168122
KICH	JMJD8	cg26750188	0.0680146224527536	66	0.545379902560825	0.587388041622533	0.00462598886739062	0.751282661328499
KICH	JMJD8	cg27579097	-0.152406049840043	66	-1.23366006121102	0.221841068596065	0.0232276040278457	0.410296129370839
KICH	KAT2B	cg00770008	-0.204263189628155	66	-1.66930104812543	0.0999426906396133	0.0417234506370675	0.238159090719172
KICH	KAT2B	cg04371528	-0.244295958327178	66	-2.01543386324864	0.0480628056344132	0.0596805152549942	0.140163364129687
KICH	KAT2B	cg05072819	-0.345596279867616	66	-2.94631228939438	0.00448129043765733	0.119436788658335	0.0227201191545304
KICH	KAT2B	cg12062464	0.00965589299346784	66	0.077250745317344	0.938665076045408	9.32362695013013e-05	0.967215552701976
KICH	KAT2B	cg14937543	-0.460424068353453	66	-4.14937063871931	0.00010028226023944	0.211990322719145	0.000966351808877372
KICH	KAT2B	cg18053505	-0.376608096472463	66	-3.25232472615242	0.00182863018672023	0.141833658328612	0.0110490451841331
KICH	KAT5	cg00582417	-0.423234173063899	66	-3.73708324180967	0.000399166694413522	0.179127165249082	0.00309938854428641
KICH	KAT5	cg02561205	-0.332419283081358	66	-2.81970613404301	0.00639116787007363	0.110502579764324	0.0301366537328469
KICH	KAT5	cg05785768	-0.461135700916385	66	-4.15751429779162	9.7512276484741e-05	0.212646134659646	0.00094363354109391
KICH	KAT5	cg07564927	-0.260420856045103	66	-2.15782207126112	0.0347007315053325	0.0678190222632645	0.110117082313781
KICH	KAT5	cg14726348	-0.48265847802528	66	-4.40880301733322	4.05681412412722e-05	0.23295920640968	0.000443688736078101
KICH	KAT5	cg18896539	0.0885687216725683	66	0.711345311664068	0.479455014500973	0.00784441845871287	0.666786860418476
KICH	KAT5	cg20108992	0.328684983480635	66	2.7841693985296	0.00704861812261488	0.108033818365665	0.0325736527960748
KICH	KAT5	cg20423942	-0.200875480405373	66	-1.6404413146725	0.105819689584885	0.0403509586280895	0.24797839354959
KICH	KAT5	cg22048492	0.248659901377919	66	2.05378689170164	0.0440865350057312	0.0618317465532766	0.131586399026851
KICH	KAT6A	cg10163397	-0.380693657448887	66	-3.29354953399953	0.00161420651753674	0.144927660821811	0.00998930728066605
KICH	KAT6A	cg12468056	0.168570793672978	66	1.36814512276831	0.176051012379575	0.0284161124795377	0.351897793697753
KICH	KAT6A	cg15251374	-0.446812444860469	66	-3.9955165071323	0.000169367078199713	0.19964136088219	0.00150959469311051
KICH	KAT6A	cg20966972	0.252396461484271	66	2.08673191760727	0.0409011012963647	0.0637039737697811	0.124374009078271
KICH	KAT6B	cg04396765	-0.201236553763435	66	-1.64351433936924	0.105180842769251	0.0404961505705838	0.246974438548293
KICH	KAT6B	cg06972998	-0.168229612852739	66	-1.36529531473831	0.176940222329831	0.0283012026405824	0.353072581335014
KICH	KAT6B	cg09631472	-0.241730684349768	66	-1.99294962329072	0.0505343802571083	0.0584337237562073	0.145435669332303
KICH	KAT6B	cg10359932	-0.134083342193755	66	-1.08244111724139	0.283118100330935	0.0179783426538475	0.480441714048922
KICH	KAT6B	cg10739686	-0.347052119108524	66	-2.96041931773482	0.00430495471078065	0.120445173377717	0.0220212813499783
KICH	KAT6B	cg11128436	0.0112332844016853	66	0.0898719457135315	0.928669643633448	0.000126186678449147	0.962262321920154
KICH	KAT6B	cg11348552	0.0251664654560381	66	0.201395510772229	0.841028058136042	0.000633350983549961	0.91485732919396
KICH	KAT6B	cg15874302	0.0862349277056506	66	0.692458948825247	0.491154105330732	0.00743646275639879	0.676818481781406
KICH	KAT6B	cg15912797	0.0955235961162728	66	0.767699330618073	0.445489044639932	0.00912475741498482	0.63741722896301

KICH	KAT6B	cg17147776	-0.139986644981328	66	-1.13102996885419	0.262263007960895	0.0195962607731284	0.457653883588162
KICH	KAT6B	cg18462764	0.0871323041874327	66	0.699719643336992	0.486638008533237	0.0075920384330113	0.673076580318331
KICH	KAT6B	cg18491775	0.265635315654234	66	2.2042741926137	0.0311078852750795	0.0705621209227244	0.101395517957411
KICH	KAT6B	cg24671245	-0.0965504566073943	66	-0.776029190385951	0.440590168310718	0.00932199067109632	0.633198527243485
KICH	KAT6B	cg26605858	0.0504539322449032	66	0.404146182854625	0.68745260581197	0.00254559927897329	0.820215453767313
KICH	KDM1A	cg00062312	0.248275899284571	66	2.05040673980631	0.0444251764833077	0.0616409221655625	0.132317936342986
KICH	KDM1A	cg00541565	-0.0903079302800566	66	-0.725427618765647	0.470834045827582	0.00815552227146757	0.659283889764206
KICH	KDM1A	cg04886391	0.0536755182926781	66	0.43002405598805	0.668622659485436	0.00288106126398762	0.807869984281464
KICH	KDM1A	cg06958034	-0.024680130712575	66	-0.197501204728884	0.844061273133031	0.000609108851989785	0.916678944644693
KICH	KDM1A	cg07118078	-0.219566434184329	66	-1.80046728507083	0.0764992913668658	0.0482094190204211	0.19671696493995
KICH	KDM1A	cg07785945	0.25506169015716	66	2.1102918852208	0.0387473201507776	0.0650564657858273	0.11961069099677
KICH	KDM1A	cg10499166	0.0678353842473674	66	0.543936015726028	0.588375466832005	0.00460163935598798	0.751915120851743
KICH	KDM1A	cg12578844	-0.118429509394356	66	-0.954150948538267	0.343597293389409	0.0140255486953878	0.542957705503467
KICH	KDM1A	cg22683154	0.0822952885840722	66	0.660603081013913	0.511237756285407	0.00677251452313572	0.693446376169808
KICH	KDM1A	cg26662347	0.0132699368215777	66	0.106168842684859	0.915780473211608	0.000176091223248663	0.95548914490181
KICH	KDM1B	cg11007366	-0.0734950832995556	66	-0.58955507126418	0.557564580908403	0.00540152726920861	0.72880500448213
KICH	KDM1B	cg15124342	-0.339254874716411	66	-2.88514391937962	0.00532611066719192	0.115093870018848	0.0260754847856217
KICH	KDM1B	cg20677365	-0.279183259903611	65	-2.30770788009037	0.0243122124884848	0.0779432926104072	0.0844161686377676
KICH	KDM1B	cg22406543	0.164591020930255	66	1.33493413369899	0.186627282911386	0.0270902041708637	0.365660337943011
KICH	KDM1B	cg23073439	-0.288338641729673	66	-2.40902399732834	0.0188836474169852	0.0831391723145128	0.0696692824295581
KICH	KDM1B	cg23860886	-0.157288386439097	66	-1.27416701236449	0.207211657265947	0.0247396365086148	0.392104878629736
KICH	KDM1B	cg24342628	-0.086804167503337	66	-0.697064483509906	0.488286828764996	0.00753496349594739	0.674326973783968
KICH	KDM2A	cg05038268	-0.241296728077695	66	-1.98915046763675	0.0509625906098712	0.058224110981001	0.146305401649728
KICH	KDM2A	cg05295919	-0.476209301074314	66	-4.33246437962989	5.30873454728978e-05	0.226775298429686	0.000558619904466199
KICH	KDM2A	cg06320126	-0.137554104556277	66	-1.11099365935967	0.270727554122372	0.0189211316802793	0.466932254636865
KICH	KDM2A	cg07283932	-0.487786145145626	66	-4.47016477370655	3.26308185619489e-05	0.23793532339603	0.000366673681815434
KICH	KDM2A	cg08836144	-0.308287992884079	66	-2.59258057205011	0.0117904260488359	0.0950414865564941	0.0485072930373443
KICH	KDM2A	cg09993857	-0.0714898745308023	66	-0.57338610464402	0.568392692052165	0.00511080216042986	0.736902221181361
KICH	KDM2A	cg11637544	0.279191994408311	66	2.32602983519582	0.0231968534963402	0.0779481697416905	0.081467022748151
KICH	KDM2A	cg16004548	-0.22840700432642	66	-1.87686970577608	0.0650958550275492	0.0521697596253692	0.174794748430763
KICH	KDM2A	cg18132081	0.199760505439797	66	1.63095637163135	0.107811389135869	0.0399042595335634	0.251411247195317
KICH	KDM2A	cg21293464	-0.277003292362229	66	-2.30627318591007	0.024344639885915	0.0767308239795143	0.0845070387743657
KICH	KDM2A	cg21711868	-0.54937588459966	66	-5.25985737284308	1.77933120111424e-06	0.301813862579658	2.84934729229067e-05
KICH	KDM2A	cg25597833	-0.24778592046822	66	-2.04609523064273	0.0448603846689523	0.0613978623822832	0.133251957424073
KICH	KDM2B	cg03486832	-0.210962333887858	66	-1.72655621529855	0.0890718604465457	0.0445051063194122	0.21921782756742
KICH	KDM2B	cg05067991	-0.150734789668182	66	-1.21981564107084	0.227010876525494	0.022720976816311	0.416570366760019
KICH	KDM2B	cg07020001	-0.247645827831486	66	-2.04486281018011	0.0449854608398375	0.0613284560423418	0.133541896534165
KICH	KDM2B	cg07529210	-0.0465414784708828	66	-0.372735739775971	0.710576722319666	0.00216610921825564	0.835163026124221
KICH	KDM2B	cg07793808	-0.281329797181736	66	-2.34536498929396	0.0221203755066801	0.0791464547823168	0.078555304125202
KICH	KDM2B	cg09151742	-0.375248275002179	66	-3.23865289800941	0.0019054684243614	0.140811267892111	0.0114351624319039
KICH	KDM2B	cg12251659	-0.0447569113048032	66	-0.358414454929225	0.721212739284169	0.00200318110954602	0.842045588107121
KICH	KDM2B	cg12888660	-0.0887899896952568	66	-0.713136543710462	0.478353578263643	0.00788366227008381	0.665909816356349
KICH	KDM2B	cg15234492	-0.109317891189227	66	-0.879816007306747	0.382250723964286	0.0119504013340596	0.580684346421515
KICH	KDM2B	cg15316703	-0.158072287510509	66	-1.2806795896445	0.204928011389252	0.024986848078805	0.389118128338185
KICH	KDM2B	cg16837338	-0.0974732475492741	66	-0.783516974321056	0.43621362706661	0.00950103398780207	0.629307968697052
KICH	KDM2B	cg17452615	-0.26553585971774	66	-2.20338627712523	0.0311733757988333	0.070509292796039	0.101562174256405
KICH	KDM2B	cg20055546	-0.219865040218495	66	-1.80304017590726	0.0760897590485439	0.0483406359102806	0.195901843625584
KICH	KDM2B	cg21249371	-0.0532050244246292	66	-0.426243923194872	0.671360345028055	0.00283077462402538	0.809645568405173
KICH	KDM2B	cg21781916	0.142222186666575	66	1.1494620524088	0.254642987936478	0.0202271503802222	0.448920153649098
KICH	KDM2B	cg26218726	-0.282548187865849	66	-2.35640154677434	0.0215260593436303	0.0798334784662751	0.0770461587567689
KICH	KDM2B	cg26509318	0.26099119325902	66	2.16289285664302	0.0342916333318337	0.0681164029587672	0.109104867267522
KICH	KDM3A	cg01744130	-0.187606679198546	66	-1.52798396025433	0.131444089646734	0.0351962660799063	0.28830386573751
KICH	KDM3A	cg02152982	0.0761065234223189	66	0.610623182279181	0.543611544065556	0.00579220290743197	0.717894283612342
KICH	KDM3A	cg02972551	-0.0432016750380324	66	-0.345936376258411	0.730525154257782	0.00186638472609175	0.847624206258361
KICH	KDM3A	cg03037033	-0.0129932023208756	66	-0.103954393899645	0.917530622594271	0.000168823306551207	0.956557391670795
KICH	KDM3A	cg04793821	-0.0231291699070006	66	-0.185082871706434	0.853749323859764	0.000534958500586903	0.9219812780386
KICH	KDM3A	cg07052513	-0.249971175564789	66	-2.0653370857174	0.042946154199626	0.0624855886132424	0.128954497445025

KICH	KDM3A	cg07211384	-0.149078468607336	66	-1.20610553324977	0.232216644355798	0.0222243898023084	0.422821805289993
KICH	KDM3A	cg12888358	-0.127911288846983	66	-1.03176563296181	0.306065255361314	0.0163612978144962	0.50454817873242
KICH	KDM3A	cg18611949	-0.0743578063870846	66	-0.596513824238603	0.552936242383731	0.00552908337069915	0.72505668705459
KICH	KDM3A	cg19139691	0.0213570470936089	66	0.170895355884762	0.864845195915513	0.000456123460558628	0.928252858320246
KICH	KDM3A	cg20191795	-0.0199666591124227	66	-0.159765122653172	0.873569257940601	0.000398667476111691	0.933085001815563
KICH	KDM3A	cg20918903	0.185601816605942	66	1.51106930430622	0.135692881633854	0.0344480343274258	0.294714725384557
KICH	KDM3A	cg22404242	-0.0995964412580586	66	-0.800752942863106	0.426237375445159	0.00991945111126993	0.620840511580379
KICH	KDM3A	cg24749656	-0.204915962810743	66	-1.67486914461423	0.098840038534566	0.0419905518146537	0.236226173817451
KICH	KDM3B	cg00435490	0.192686306515395	66	1.57092902187605	0.12113033950065	0.0371280127185446	0.272449580221285
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KICH	KDM3B	cg05191700	-0.400685201859033	66	-3.49860988981858	0.000856532217006097	0.160548630988814	0.00590352328251726
KICH	KDM3B	cg05708550	0.160086113321338	66	1.29742168589512	0.199143421403616	0.0256275636783323	0.381871954563161
KICH	KDM3B	cg05722427	-0.277433703752692	66	-2.31015527425941	0.0241152060797979	0.0769694599779366	0.0838819266148004
KICH	KDM3B	cg15001364	-0.204763000170396	66	-1.6735641781172	0.0990975656909281	0.0419278862387814	0.236750198218811
KICH	KDM3B	cg18682923	-0.115650146124391	66	-0.931451197338723	0.35512068829472	0.0133749562985929	0.554003729901768
KICH	KDM3B	cg19076659	0.236651891166939	66	1.94856508484872	0.0557343872329085	0.0560041175928886	0.156003343302158
KICH	KDM3B	cg24137987	0.0731640688412725	66	0.58688545180942	0.559345281476152	0.00535298096941046	0.730150027153032
KICH	KDM4A	cg00154982	-0.188470067321221	66	-1.53527428956784	0.129645691108323	0.0355209662760657	0.285560413520584
KICH	KDM4A	cg00979347	0.0362570258749926	66	0.290247045046561	0.772565631323839	0.00131457192529988	0.873905312113269
KICH	KDM4A	cg03587511	0.143124569897521	66	1.15690728765043	0.251610173127368	0.0204846425083502	0.44537445239415
KICH	KDM4A	cg08552254	-0.30453264435971	66	-2.55774939262513	0.0129143164948821	0.0927401314807175	0.0520682216845225
KICH	KDM4A	cg10958452	0.0786670621130721	66	0.631292908603828	0.530097322753372	0.00618850666150195	0.708082503415958
KICH	KDM4A	cg10968649	0.0519293111107595	66	0.415995765721901	0.678804766615096	0.00269665335243805	0.81460760530744
KICH	KDM4A	cg12293275	0.364858696133634	66	3.13498642834286	0.00259476012890545	0.133121868144335	0.0146564085844053
KICH	KDM4A	cg17737314	0.00146961057738961	66	0.0117568973151341	0.990656141963091	2.15975524917543e-06	0.994940599644673
KICH	KDM4A	cg19743044	-0.0340510650061318	66	-0.272566582953048	0.786063906630413	0.00115947502805181	0.882041505753817
KICH	KDM4A	cg20873046	0.0139268553462045	66	0.111425649202684	0.911627540433617	0.000193957299834106	0.953073509030826
KICH	KDM4A	cg21451504	-0.349337582088297	66	-2.98261451689763	0.00404050666302773	0.122036746259298	0.0209087504528188
KICH	KDM4A	cg22094309	-0.213439842703847	66	-1.74779455473833	0.0852956735385669	0.0455565664534428	0.212573814744811
KICH	KDM4A	cg24324755	0.225731797176414	66	1.85369930830347	0.0683920178556856	0.0509548442564937	0.181275520300475
KICH	KDM4A	cg24505556	-0.0622908789548049	66	-0.499296646958011	0.619282507064612	0.00388015360096215	0.774118060137295
KICH	KDM4A	cg25841161	0.0737050289396047	66	0.591248376616455	0.556436571050937	0.00543243129098797	0.727825583998934
KICH	KDM4B	cg01098771	-0.143477686374182	66	-1.15982152376991	0.250430109805719	0.0205858464872881	0.444083883342287
KICH	KDM4B	cg12072803	-0.0536486995921747	66	-0.42980857630434	0.66877859560974	0.0028781829679314	0.807897171757882
KICH	KDM4B	cg18115693	-0.142985060927067	66	-1.15575605798679	0.252077433447799	0.0204447276483171	0.445907314057894
KICH	KDM4C	cg00121158	0.281148759692385	66	2.34372614898394	0.0222098613477798	0.0790446250765667	0.0787688148479227
KICH	KDM4C	cg00667760	0.296420076706673	66	2.48295020029799	0.0156618598449914	0.0878648618747902	0.0603257278200357
KICH	KDM4C	cg05545111	0.35625342518346	66	3.05014963703278	0.00332580622525009	0.126916502954947	0.017885232233313
KICH	KDM4C	cg14196303	-0.0835775128948483	66	-0.670967631604278	0.504655554315406	0.00698520066168854	0.687864424999346
KICH	KDM4C	cg14473811	0.216997432538627	66	1.77835376345871	0.0800955436170005	0.0470878857283558	0.203247307960366
KICH	KDM4C	cg14497348	0.136208921753925	66	1.09992250341188	0.275486048727736	0.0185528703653668	0.471914595500255
KICH	KDM4E	cg15555590	0.114795304612812	66	0.924473979563402	0.358712237055598	0.0131779619611483	0.557667061740671
KICH	KDM4E	cg19409026	-0.048099491002677	66	-0.385241826313136	0.701335670261174	0.0023135610347166	0.82888514853923
KICH	KDM5B	cg00528052	-0.0365528099292956	66	-0.29261802940756	0.770760729600029	0.00133610791372721	0.873004385342875
KICH	KDM5B	cg00571448	0.145100300216715	66	1.17321863203336	0.245056109774346	0.0210540971229808	0.437918246015332
KICH	KDM5B	cg02624558	-0.041962362327007	66	-0.335994845509257	0.737973831137501	0.00176083985206301	0.852449793153529
KICH	KDM5B	cg04504182	-0.0472573460009871	66	-0.378481627553282	0.706325436415014	0.00223325675105701	0.83253103741564
KICH	KDM5B	cg08915090	0.0145553217109374	66	0.116454910257609	0.907656680749424	0.000211857390108886	0.951043758128099
KICH	KDM5B	cg09889216	-0.176707659875701	66	-1.43626320603511	0.155797747763702	0.0312255970587464	0.323972360790394
KICH	KDM5B	cg11171004	0.303916534611027	66	2.5520475410029	0.0131072729915741	0.0923652600099756	0.0526551611209148
KICH	KDM5B	cg11221497	-0.353353008434161	66	-3.02175746150901	0.00361057826366471	0.124858348569472	0.0190880955109434
KICH	KDM5B	cg13134514	0.0236413657420845	66	0.189183802080267	0.850547445660485	0.000558914174151008	0.920323500163412
KICH	KDM5B	cg13253785	0.00743089637811713	66	0.0594488123764249	0.952779877544271	5.52182209823142e-05	0.975037248149736
KICH	KDM5B	cg13993945	0.0830038648496408	66	0.666330274458768	0.507594930663764	0.00688964157997744	0.690315259663774
KICH	KDM5B	cg14560895	-0.281899227940559	66	-2.35052153043041	0.0218409022878773	0.0794671747134831	0.0778515488833974
KICH	KDM5B	cg21105875	0.131610995351478	56	0.975625889317879	0.333600361297036	0.0173214540974068	0.533182119956067
KICH	KDM5B	cg24354901	0.00446309167796589	66	0.0357050890336765	0.971628645003847	1.99191873259284e-05	0.984960826799615

KICH	KDM5B	cg27531483	-0.376958595199885	66	-3.25585265213706	0.00180928086170328	0.142097782495071	0.0109542528878002
KICH	KDM5C	cg01859586	0.216240698374399	66	1.77184734568618	0.0811800557114383	0.0467600396334476	0.205089509109721
KICH	KDM5C	cg04927657	0.299974178646586	66	2.51564564955999	0.0144018660502802	0.089984507854694	0.0565933609898216
KICH	KDM5C	cg04927982	-0.518633500787491	66	-4.8527300645567	8.15904358078562e-06	0.268980708139088	0.000109284544821563
KICH	KDM5C	cg09554224	0.395949976830971	66	3.44952207315898	0.000998814174537548	0.156776384152446	0.00670735151888218
KICH	KDM5C	cg12234996	-0.348080552483993	66	-2.97039945437341	0.00418411726095464	0.121160071017562	0.0215184793823349
KICH	KDM5C	cg16417926	0.0595442026134261	66	0.477200331846746	0.634845053430015	0.00354551206486874	0.784898398231234
KICH	KDM5C	cg16824069	-0.589012924577779	66	-5.83091907965863	1.96778736238169e-07	0.346936225319668	4.00005356856862e-06
KICH	KDM5C	cg19903753	-0.505758262229732	66	-4.69013816758748	1.47912494854117e-05	0.255791419813638	0.000184136735872638
KICH	KDM5C	cg24985300	-0.00610754109042961	66	-0.0488612400443448	0.961182042938122	3.73020581712862e-05	0.979668734747377
KICH	KDM5C	cg27526317	-0.136892710928164	66	-1.10554946271125	0.27306027193858	0.018739614305262	0.469342704268447
KICH	KDM6A	cg00751785	-0.357359515183145	66	-3.06100367221713	0.00322258165695308	0.127705823091932	0.0174592602145698
KICH	KDM6A	cg03267667	0.174767822184604	66	1.41999679233173	0.160461711031272	0.0305437916711492	0.330351316043287
KICH	KDM6A	cg03478540	0.131485498203563	66	1.06109632402594	0.292634042993876	0.0172884362378391	0.490292342484047
KICH	KDM6A	cg06877198	-0.105990597726576	66	-0.852728086567716	0.396990122519368	0.0112340068064369	0.593615684297692
KICH	KDM6A	cg07167981	-0.361533537335344	66	-3.10209690879704	0.0028582399578491	0.130706498618206	0.0158428157663636
KICH	KDM6A	cg11895950	-0.32063544327602	66	-2.70806196686231	0.0086705379008239	0.10280708748481	0.0382053710255845
KICH	KDM6A	cg14384228	0.0644023555700131	66	0.516290657025963	0.607430751805043	0.0041476634029664	0.765465276366312
KICH	KDM6A	cg15923127	0.292901640040236	66	2.45069425261147	0.0170013176575692	0.0857913707382598	0.0642506925359696
KICH	KDM6A	cg17824914	-0.072320476968849	66	-0.580082793933424	0.56389555006632	0.00523025138900181	0.733696110082945
KICH	KDM6A	cg20211377	-0.00838503308135471	66	-0.0670826229409721	0.946725056884107	7.03087797754128e-05	0.971563715369525
KICH	KDM6A	cg22133177	0.105811784819334	66	0.851273176698376	0.397791596841865	0.011196133806653	0.594425652799002
KICH	KDM6A	cg27306636	-0.140113073533534	66	-1.13207190109513	0.261828007760846	0.0196316733750136	0.457162820654999
KICH	KDM6B	cg01046511	0.0555972875507067	66	0.445467316005352	0.65748530342183	0.00309105838299596	0.800485528548764
KICH	KDM6B	cg02308232	-0.155475383015838	66	-1.25911418599599	0.212562185458628	0.0241725947239214	0.398824529824141
KICH	KDM6B	cg24893073	0.316541948874787	66	2.6696109571431	0.00961379021483897	0.100198805397448	0.0413133290600002
KICH	KDM8	cg00636124	-0.0185639834314962	66	-0.148537464257908	0.882385651328464	0.000344621480844865	0.93757166372255
KICH	KDM8	cg01755539	-0.134342156013315	66	-1.08456885885103	0.282181405409549	0.0180478148823057	0.479322683358017
KICH	KDM8	cg06329197	-0.182495622684581	66	-1.48490142738	0.142479015291534	0.033304652299033	0.304916302593864
KICH	KDM8	cg08572679	-0.222374553569101	66	-1.82468412695127	0.0727166085805667	0.0494504420750569	0.189549519096522
KICH	KDM8	cg09140090	-0.227403983474808	66	-1.86817716143114	0.0663163721739114	0.0517125717002109	0.177139673702007
KICH	KDM8	cg10214171	0.103682842911662	66	0.833957431757968	0.407406877034222	0.0107501319142443	0.603611148837302
KICH	KDM8	cg10221365	0.0238360142497945	66	0.190742307349698	0.84933127159373	0.000568155575316406	0.919658667163513
KICH	KDM8	cg16752029	-0.0431029821441934	66	-0.345144622622041	0.73111743300529	0.00185786706972266	0.84806026950991
KICH	KDM8	cg24206694	-0.0762013825532091	66	-0.611388705050013	0.543107919269284	0.00580665070302052	0.717521524890203
KICH	KDM8	cg24705286	0.148686782730714	66	1.20286489740231	0.233459699179097	0.0221077593588104	0.424310535194699
KICH	KIAA202f	cg03495688	0.29460499974802	66	2.4662964139999	0.0163410782499129	0.0867921058765308	0.0622972577366327
KICH	KIAA202f	cg25608569	-0.339622468378882	66	-2.88867741085762	0.00527355516738114	0.115343421027764	0.0258621288968826
KICH	KMT2B	cg09284703	-0.109791584225652	66	-0.883674814335304	0.380179317453834	0.0120541919667784	0.578610384857743
KICH	KMT2B	cg13830730	0.0525764188666703	66	0.42119390269893	0.675024691958638	0.00276427982084356	0.812066226824234
KICH	KMT2B	cg15496871	0.118626598159448	66	0.955761478443676	0.342789105804159	0.0140722697908832	0.542050323477727
KICH	KMT2B	cg24471867	0.057828414996826	66	0.463402807440755	0.644647768821438	0.00334412558104512	0.791551594653248
KICH	L3MBTL1	cg01071811	-0.405529472427175	66	-3.54917380236451	0.000730204774297083	0.164454153007063	0.00516457972428532
KICH	L3MBTL1	cg01877937	-0.37469761639481	66	-3.23312343445161	0.00193739862303032	0.140398303731952	0.0115880923930594
KICH	L3MBTL1	cg02177317	-0.264328401632912	66	-2.19261244579565	0.0319777284703134	0.06986950390981	0.103502201315563
KICH	L3MBTL1	cg02472486	-0.365505210375822	66	-3.14139717220491	0.00254612499672478	0.133594058811874	0.0144593539102278
KICH	L3MBTL1	cg02611863	-0.461831703406628	66	-4.16548894752629	9.48714939391531e-05	0.213288522271467	0.000921747595791492
KICH	L3MBTL1	cg03486259	-0.242372576686121	66	-1.99857152567238	0.049906387507502	0.0587444659294695	0.144076057066041
KICH	L3MBTL1	cg04984575	-0.27764548408614	66	-2.31206597639472	0.024002988599874	0.0770870148334269	0.0835896085441926
KICH	L3MBTL1	cg06362543	0.0780410128669835	66	0.626238035408395	0.533386082705374	0.00609039968930468	0.710445413755866
KICH	L3MBTL1	cg06446163	-0.341513112980531	66	-2.90687491574329	0.0050104061439726	0.116631206337653	0.0248109188774159
KICH	L3MBTL1	cg06908806	-0.123439269432974	66	-0.995124741703367	0.323423226907711	0.0152372532381462	0.522845819252285
KICH	L3MBTL1	cg07678583	-0.163560866409731	66	-1.3263485424876	0.189438077518609	0.0267521570207019	0.36934276841389
KICH	L3MBTL1	cg08369943	0.00555908250413463	66	0.0444733472271675	0.964665568750852	3.09033982877757e-05	0.98144923832487
KICH	L3MBTL1	cg08633313	-0.390791053789371	66	-3.39641319676451	0.00117784976326376	0.152717647721807	0.00769350499440311
KICH	L3MBTL1	cg09541000	-0.334775151649464	66	-2.84220182683066	0.00600467961228909	0.112074402161922	0.0286898443531764
KICH	L3MBTL1	cg10360552	-0.384576154512313	66	-3.3329343229294	0.00143166314892699	0.147898818619478	0.00904657489620526

KICH	L3MBTL1	cg12699433	-0.268655897786891	66	-2.23127738108523	0.0291730907003931	0.0721759914156802	0.0967181512016355
KICH	L3MBTL1	cg14306330	-0.109739614489607	66	-0.883251427790496	0.380406245784439	0.0120427829883276	0.578781814089528
KICH	L3MBTL1	cg15123011	0.264156412428974	66	2.19107873485454	0.0320937005037629	0.0697786102273465	0.103791200872573
KICH	L3MBTL1	cg15302378	-0.363939292993312	66	-3.12587876196006	0.00266535181315732	0.132451808984472	0.0149850674967667
KICH	L3MBTL1	cg15330298	-0.502761940943926	66	-4.65291486357613	1.69295361801726e-05	0.252769569261704	0.000207110605063743
KICH	L3MBTL1	cg15388309	-0.330382758995601	66	-2.80030763826229	0.00674270330438623	0.109152767441545	0.0314454486595061
KICH	L3MBTL1	cg16862791	-0.442585666887195	66	-3.94845742845383	0.000198418499028484	0.195882072533983	0.00172505238192019
KICH	L3MBTL1	cg17091610	-0.434292425716414	66	-3.8570688641033	0.000269093291098381	0.188609911034647	0.00222937630327023
KICH	L3MBTL1	cg17774347	-0.277090096582853	66	-2.30705599397642	0.0242982201880066	0.0767789216242946	0.084377946865043
KICH	L3MBTL1	cg18911945	-0.482999605849872	66	-4.41286669576698	3.99890655778428e-05	0.233288619251131	0.000437909539352858
KICH	L3MBTL1	cg20091959	-0.39521340701795	66	-3.44191592713242	0.00102277126013429	0.156193637086736	0.00683787103909306
KICH	L3MBTL1	cg20252111	-0.456842313842808	66	-4.10853575869112	0.000115357760918116	0.208704899717251	0.00108909486078446
KICH	L3MBTL1	cg20529070	-0.4148658980686	66	-3.64764344668051	0.000533233387565063	0.172113713380266	0.00395861801242833
KICH	L3MBTL1	cg22330467	-0.235420092472286	66	-1.93782583822345	0.0570590412427714	0.0554226199396597	0.15874583557829
KICH	L3MBTL1	cg22457903	-0.479726490028943	66	-4.37398315425031	4.58752829549927e-05	0.23013750523549	0.000492251277544924
KICH	L3MBTL1	cg22601123	-0.332181558276859	66	-2.81743945729254	0.00643135527008964	0.110344587659242	0.0302880607683287
KICH	L3MBTL1	cg23626798	-0.366079105554007	66	-3.14709223170163	0.0025036363735559	0.134013911523222	0.0142540901671844
KICH	L3MBTL1	cg24343973	-0.0486930862224756	66	-0.390007321094347	0.697826104601336	0.00237101664586944	0.826728359955793
KICH	L3MBTL2	cg02358112	-0.219089918133761	66	-1.796362561975	0.0771564561530321	0.0480003922278582	0.197847892081514
KICH	L3MBTL2	cg06235991	0.196839144305294	66	1.60613592434237	0.113167321895486	0.0387456487308405	0.260237324788515
KICH	L3MBTL2	cg08053598	-0.102460321313939	66	-0.824019308173353	0.412988949703822	0.0104981174437556	0.608578238241762
KICH	L3MBTL2	cg09993119	0.157982518489674	66	1.27993367130462	0.2051886151914	0.0249584761483403	0.389451365803785
KICH	L3MBTL2	cg12821546	-0.133745441267165	66	-1.07966352978363	0.284344118262122	0.0178878430597487	0.481618723161479
KICH	L3MBTL2	cg13843727	-0.0518402368704358	66	-0.415280284599157	0.679325713875945	0.00268741015878289	0.814944832106396
KICH	L3MBTL2	cg14679202	-0.0228423855930977	66	-0.182786777713886	0.855543123318853	0.000521774579583759	0.923155807335087
KICH	L3MBTL2	cg15283028	-0.0684079303013454	66	-0.548548453516763	0.585223933235298	0.00467964492811372	0.749735041533937
KICH	L3MBTL2	cg19467356	0.0168688116242524	66	0.134969697633325	0.893059421954501	0.000284556805614511	0.943282798451209
KICH	L3MBTL2	cg24240981	0.209161481950279	66	1.71114037326695	0.0918982917894026	0.0437485255316369	0.224174083956752
KICH	L3MBTL2	cg26947834	0.279738168661042	66	2.33096607250049	0.02291769301569	0.0782534430058336	0.080694261358857
KICH	L3MBTL2	cg27177954	-0.268544385908838	66	-2.23027924058658	0.0292426769273534	0.0721160872031549	0.0968897562925795
KICH	L3MBTL3	cg03454037	0.112095529317751	66	0.902451996920429	0.370200813500868	0.0125654076930268	0.568910791463919
KICH	L3MBTL3	cg07826275	0.0129165856655566	66	0.10334130632205	0.918015237915506	0.000166838185255661	0.956844747303691
KICH	L3MBTL3	cg08106148	-0.220014286354211	66	-1.80432633076465	0.0758857263462715	0.0484062861999527	0.195543365199796
KICH	L3MBTL3	cg08358392	0.125838973813151	66	1.01477858974239	0.314032461970633	0.015835447330347	0.513113384439382
KICH	L3MBTL3	cg09710740	-0.210363705620999	66	-1.72142974268043	0.090003717198086	0.0442528886425985	0.220784825645884
KICH	L3MBTL3	cg10237990	-0.0523443913892092	66	-0.419329993683433	0.67637916431568	0.00273993530990672	0.813031902304767
KICH	L3MBTL3	cg16487825	-0.0263823881182547	66	-0.211132595088711	0.833454652796942	0.000696030402822227	0.910664795387688
KICH	L3MBTL3	cg16800851	-0.0720093990439964	66	-0.577574602880616	0.565577862209651	0.00518535355067751	0.734889415789574
KICH	L3MBTL3	cg18411550	-0.043045961468636	66	-0.344687184705699	0.731459698549988	0.00185295479875929	0.848228201240675
KICH	L3MBTL3	cg18798995	-0.137009951197297	66	-1.10651440436098	0.272645792996012	0.0187717267270856	0.469003334962227
KICH	L3MBTL3	cg22934935	0.132047392318343	66	1.06571114034339	0.290558255290957	0.0174365138180743	0.488179536782529
KICH	L3MBTL3	cg24516147	-0.0475080479967947	66	-0.380494016813435	0.704838709980464	0.00225701462446575	0.831572425675941
KICH	LBR	cg01017344	-0.199751129580948	66	-1.63087664049343	0.107828259397154	0.0399005137688648	0.251435513804394
KICH	LBR	cg05530459	-0.144344319571226	66	-1.16697568337963	0.247549960917089	0.0208352825924803	0.440845656523762
KICH	LBR	cg12994003	-0.147380280218616	66	-1.19205964966651	0.237639291389521	0.0217209469973178	0.429159668369579
KICH	LBR	cg14607642	-0.0562985761140396	66	-0.451104070149006	0.653439339820069	0.00316952967246831	0.797703570058257
KICH	LBR	cg18107727	-0.186508135810801	66	-1.51871331675578	0.133759522210473	0.0347852847236202	0.291847876648323
KICH	LBR	cg18289048	0.080548893855528	66	0.646491823400242	0.520272633358392	0.00648812430134912	0.700655909003267
KICH	LBR	cg18764107	0.0306382266425541	66	0.245220934722921	0.807069982941164	0.000938700931800514	0.895511435479809
KICH	LBR	cg19322477	-0.196720609069077	66	-1.60512977101072	0.113388884143452	0.0386989980325087	0.260528253001576
KICH	LBR	cg20483690	-0.363635023888348	66	-3.12286697455498	0.00268908807601469	0.132230430598279	0.0150879854154697
KICH	LBR	cg26930584	-0.221724830409298	66	-1.81907678191128	0.0735782478168868	0.049161900420032	0.191206113397478
KICH	MBD1	cg01719254	0.0337102158144458	66	0.269835087513263	0.788155285081169	0.00113637865025651	0.883341592027525
KICH	MBD1	cg03841029	-0.239625517517643	66	-1.97453133455267	0.0526394702368727	0.0574203886455984	0.149780708943634
KICH	MBD1	cg05549078	-0.170123843641983	66	-1.38112381929792	0.172044429856549	0.028942122175522	0.34642226934801
KICH	MBD1	cg12090413	-0.526374730036224	66	-4.95264274988363	5.63844552754646e-06	0.277070356420708	7.91763955541425e-05
KICH	MBD1	cg13478031	0.0815693774032464	66	0.65473682092307	0.514983476559794	0.00665356332995324	0.696402179382085

KICH	MBD1	cg14389183	-0.194427121703415	66	-1.58567649190647	0.117741783641909	0.0378019056538744	0.267269829203661
KICH	MBD1	cg19328682	-0.343493096685612	66	-2.92597514133688	0.00474731321361057	0.117987507470671	0.0237974408234822
KICH	MBD1	cg21282183	0.00104417116798812	66	0.0083533738977205	0.99336103377973	1.09029342805767e-06	0.99653790346195
KICH	MBD2	cg15090185	0.0748801203228915	66	0.600727479220358	0.550143100307243	0.00560703241957071	0.722794612704784
KICH	MBD2	cg16852837	0.0177516716721802	66	0.142035754425418	0.887497948057496	0.000315121847156885	0.940239916840677
KICH	MBD2	cg17987217	-0.0146124407024597	66	-0.116912008012121	0.907295894140165	0.0002135234232829	0.950929408254256
KICH	MBD2	cg22224310	-0.320884580687907	66	-2.71040758983121	0.00861583190447655	0.102966914123254	0.0380375703522416
KICH	MBD2	cg22836370	-0.0502646495855288	66	-0.402626142875662	0.688564997674643	0.002526534997956	0.821053338386317
KICH	MBD2	cg23388714	-0.0272652729646142	66	-0.218203304430634	0.827964980359451	0.000743395109834923	0.907499826449548
KICH	MBD2	cg24881765	-0.153270999043121	66	-1.24082939198286	0.219198053275385	0.0234919991476763	0.407092564851636
KICH	MBD2	cg25192916	0.205536791920338	66	1.68016692530463	0.097800164505812	0.0422453728329045	0.234347405993116
KICH	MBD3	cg08660999	-0.136885072646611	66	-1.10548659776391	0.273087290108013	0.0187375231134679	0.469378773042194
KICH	MBD3	cg09174855	-0.157553198382271	66	-1.27636676847577	0.206438204467163	0.0248230103204833	0.390983656197651
KICH	MBD3	cg12286540	-0.0954936385574748	66	-0.767456353117715	0.445632417601524	0.00911903500494564	0.637585444435112
KICH	MBD5	cg03890220	0.294592446773855	66	2.46618133939343	0.0163458622830503	0.0867847096962063	0.0623124423211455
KICH	MBD5	cg04152151	0.448588536334508	66	4.01539006988929	0.000158369023375839	0.201231674930736	0.00142610948078481
KICH	MBD5	cg05218490	0.00559974478546096	66	0.0447986606681684	0.96440727953026	3.13571416622973e-05	0.981323164608021
KICH	MBD5	cg06394585	-0.0265502700201179	66	-0.21247706269289	0.832410164138311	0.00070491683814117	0.910051243152125
KICH	MBD5	cg06758980	0.150284818153513	66	1.21608999170928	0.228417015701699	0.0225855265674345	0.418295920405903
KICH	MBD5	cg20595490	0.221693889533427	66	1.81880981463693	0.0736194829337935	0.0491481806564595	0.191255770758108
KICH	MBD5	cg21412502	-0.209221330779045	66	-1.71165240395977	0.0918032425352331	0.0437735652529547	0.224012466666225
KICH	MBD5	cg23120335	-0.401675420451034	66	-3.50891697918119	0.000829206502358367	0.161343143394515	0.0057416369064946
KICH	MBD5	cg25686162	-0.397913695715074	66	-3.46983896918554	0.000937401840423482	0.158335309237628	0.00636226127847709
KICH	MBD5	cg26664634	-0.39493390197047	66	-3.43903169509164	0.00103199725242571	0.155972786925621	0.00689126130945969
KICH	MBTD1	cg01388767	0.0558136368855447	66	0.447206198296691	0.65623606076151	0.00311516206239144	0.799658380621443
KICH	MBTD1	cg14577476	-0.0355155785131359	66	-0.284303988998686	0.777095275197199	0.00126135631712272	0.876745414762311
KICH	MBTD1	cg17045523	-0.162501694416457	66	-1.31752575918431	0.192359674266076	0.0264068006882195	0.373001034418981
KICH	MBTD1	cg18711617	0.182739764279207	66	1.48695650088684	0.141936598337899	0.0333938214488201	0.304182251545413
KICH	MBTD1	cg22141797	-0.24917326839224	66	-2.05830738219063	0.0436371357923228	0.0620873176812711	0.130555624253056
KICH	MBTD1	cg25259117	-0.15019694328284	66	-1.21536250052117	0.228692325692826	0.0225591217715086	0.418633457727949
KICH	MBTD1	cg25716740	0.0755805436663796	66	0.606378774508444	0.546408178599716	0.00571241858090552	0.720021650314972
KICH	MBTD1	cg25855326	-0.304137330460789	66	-2.554090512958	0.0130378387478155	0.0924995157798154	0.0524466429260851
KICH	MBTD1	cg27207041	0.121708659909301	66	0.980961879479922	0.330305349587933	0.0148129978969178	0.530028349130439
KICH	MBTD1	cg27214721	0.0368295793505702	66	0.294836663524436	0.769072953561967	0.00135641791513994	0.87200715358552
KICH	MBTD1	cg27353579	-0.188882388384493	66	-1.53875717229577	0.128793453780243	0.0356765566418305	0.284247214345574
KICH	MLLT10	cg00879184	-0.425496384500838	66	-3.76145974190465	0.000368633566585929	0.181047173223285	0.00290232220090657
KICH	MLLT10	cg03524461	-0.315426230645686	66	-2.65915967988388	0.00988588427865953	0.0994937069793453	0.042236451510243
KICH	MLLT10	cg04188362	-0.409462841571305	66	-3.59049273740964	0.0006403344645133	0.167659818627648	0.00462269667152447
KICH	MLLT10	cg05913198	0.241134951877598	66	1.98773449040237	0.0511229819436946	0.0581460650170116	0.146641394392824
KICH	MLLT10	cg06398735	-0.0971186850470504	66	-0.780639714712057	0.43789231719975	0.00943203898526817	0.630771665462888
KICH	MLLT10	cg11443787	-0.250334044447721	66	-2.06835550835662	0.0426349128754822	0.0626671338095536	0.128292283767271
KICH	MLLT10	cg15910013	0.00572975255504423	66	0.0458387728914613	0.963581487070661	3.28300643420359e-05	0.980854943540968
KICH	MLLT10	cg19119538	-0.203759585935529	66	-1.6650069423644	0.100799894189525	0.0415179688606182	0.23960016882942
KICH	MLLT10	cg20569108	-0.0459976515586009	66	-0.368371115662621	0.713812214235171	0.00211578394890646	0.837124716669098
KICH	MLLT10	cg23344688	-0.418481484406937	66	-3.68614678587414	0.000470954405006001	0.175126752791434	0.00356672770473489
KICH	MLLT10	cg26877631	-0.304594433158221	66	-2.558321418532	0.012895101206311	0.0927777687109777	0.05201308342728
KICH	MLLT10	cg27470303	-0.308252671732758	66	-2.5922523452831	0.0118005889868668	0.0950197096303835	0.0485311386997418
KICH	MLLT10	cg27572529	-0.341871342768861	66	-2.91032737742229	0.00496187338700166	0.116876015006584	0.0246221239952538
KICH	MLLT6	cg05652455	-0.105863154817987	66	-0.851691139747926	0.397561249067014	0.0112070075480171	0.594149917584034
KICH	MORF4L	cg03589001	0.107313000314384	66	0.863490412409798	0.391092440709902	0.0115160800364749	0.588269024651257
KICH	MORF4L	cg07757959	0.0539818851834853	66	0.432485682340988	0.666842294834257	0.00291404392796299	0.806723108379382
KICH	MORF4L	cg08692282	0.186924135593916	66	1.5222232559884	0.132879109916136	0.0349406324675328	0.290525771530196
KICH	MORF4L	cg13747872	-0.0613414989164882	66	-0.491657863177322	0.624643294183206	0.00376277948932152	0.77771999020019
KICH	MORF4L	cg15822222	-0.0766850383557567	66	-0.615292116307464	0.540543633270133	0.00588059510762387	0.71579990199839
KICH	MORF4L	cg20775702	-0.210412707952611	66	-1.72184930769525	0.0899271508375567	0.0442735076679508	0.220665528879384
KICH	MORF4L	cg20905746	0.110918173814564	66	0.892854712948426	0.375279997339333	0.0123028412823579	0.573961114971317
KICH	MORF4L	cg23623458	-0.129622293706933	66	-1.0458013123116	0.2995866290956	0.0168019390258463	0.497854062415635

KICH	MORF4L	cg24795825	-0.156670806482533	66	-1.26903795537753	0.209023433016666	0.0245457416038874	0.39431927034103
KICH	MPHOSF	cg00331616	-0.293567553206206	66	-2.45679072669889	0.0167405316521452	0.0861819082954788	0.063482670876951
KICH	MPHOSF	cg03134886	0.370958316530622	66	3.19567982809945	0.00216720869427489	0.137610072603233	0.0126716146683518
KICH	MPHOSF	cg03428000	0.411443267078557	66	3.61138730893438	0.000598997449762932	0.169285562024277	0.00436846419863669
KICH	MPHOSF	cg04203901	0.0481688151134717	66	0.385798352198583	0.700925476464959	0.00232023474943582	0.828664729280494
KICH	MPHOSF	cg06019692	-0.195785512880162	66	-1.59719503025221	0.115148450253813	0.038331967053748	0.263125911733203
KICH	MPHOSF	cg09559995	-0.425153652565366	66	-3.75776111709356	0.000373118049383093	0.180755628289672	0.00293313920106188
KICH	MPHOSF	cg11051893	0.138786985708412	66	1.12114604905872	0.266414905342016	0.0192618274020269	0.462122382756853
KICH	MPHOSF	cg19693579	-0.147150036839675	66	-1.1901561166171	0.238381170282807	0.0216531333419177	0.430034782337144
KICH	MPHOSF	cg20759595	-0.55247881571257	66	-5.30256470237855	1.51286287566933e-06	0.305232841811164	2.46216850522636e-05
KICH	MPHOSF	cg20952532	-0.449905018163109	66	-4.03015923811253	0.00015064463417793	0.202414525368347	0.00136692616285729
KICH	MPHOSF	cg21958444	-0.00380354197259087	66	-0.0304285558854404	0.975819963728502	1.44669315372604e-05	0.987318414554873
KICH	MPHOSF	cg22656705	-0.016299876354659	66	-0.130416336883601	0.896646102856846	0.000265685969177173	0.94521033274585
KICH	MSH6	cg00620552	-0.180226545097604	66	-1.4658148920063	0.147594840008213	0.0324816075578186	0.312358687222147
KICH	MSH6	cg02905881	-0.135051988221867	66	-1.09040564199005	0.279622932928035	0.0182390395226792	0.476694200341936
KICH	MSH6	cg05039065	0.12939304333676	66	1.04392018219857	0.300449452341107	0.0167425596639487	0.498748442104098
KICH	MSH6	cg07652213	-0.0611214437411324	66	-0.489887474543147	0.62588864904079	0.00373583088500041	0.778707956280918
KICH	MSH6	cg09898070	-0.193766037512292	66	-1.58007423387075	0.119019949366317	0.037545277293215	0.269212861367234
KICH	MSH6	cg11869233	-0.163379889930595	66	-1.32484152908933	0.189934729127414	0.0266930211097212	0.369977272147082
KICH	MSH6	cg16595246	-0.159239190421195	66	-1.29037871483779	0.201561795193444	0.0253571197659976	0.384898664592907
KICH	MSH6	cg18222961	-0.3585394584791	66	-3.07259870698938	0.0031156155987909	0.128550543286487	0.0169755007628757
KICH	MSH6	cg19076255	-0.299699110463098	66	-2.5131111155525	0.014496165082247	0.0898195568123724	0.0568397454549454
KICH	MSH6	cg19736286	0.0687040298064724	66	0.550934047971181	0.583597087245166	0.00472024371164864	0.748550754400594
KICH	MSH6	cg21405109	-0.204289891196883	66	-1.66952876445838	0.099897399789282	0.0417343596452344	0.23807304228188
KICH	MTA1	cg01318265	0.209407638700044	66	1.71324647162522	0.0915078502061611	0.0438515591459284	0.223480294406625
KICH	MTA1	cg01655777	-0.16950946445391	66	-1.37598824777817	0.173621375817456	0.0287334585394513	0.348614012759219
KICH	MTA1	cg05922925	-0.238680446371878	66	-1.96627245458841	0.0536075057912383	0.0569683554802791	0.15180337454585
KICH	MTA1	cg13052453	-0.0211502843197588	66	-0.169240132269552	0.866141548214061	0.000447334526806633	0.928848070733799
KICH	MTA1	cg13981078	-0.0929797348254784	66	-0.747074203043054	0.457754714433098	0.00864523108821627	0.647905712350528
KICH	MTA1	cg16531924	0.0774667235041388	66	0.621601739690485	0.53641176693104	0.00600109325046669	0.712547274258077
KICH	MTA1	cg20222911	-0.228431166290986	66	-1.87707917980329	0.0650666784136156	0.0521807977330601	0.174749609214556
KICH	MTA1	cg21517792	0.0887407569412376	66	0.712737980374383	0.47859853407127	0.00787492194250381	0.666090708181388
KICH	MTA1	cg23123838	-0.0527180530431594	66	-0.422331703351069	0.67419839965293	0.00277919311666137	0.81164639898793
KICH	MTA1	cg23883989	-0.155070005027512	66	-1.25575024323011	0.213771742063762	0.0240467064592325	0.400332889431062
KICH	MTA1	cg23966123	-0.0837795178719802	66	-0.672600794709681	0.503622569323555	0.00701900761486144	0.686961953954914
KICH	MTA2	cg00501779	-0.0587773508020718	66	-0.471033167653448	0.63921867303619	0.00345477696730981	0.788010101421082
KICH	MTA2	cg07654871	0.286873224191189	66	2.39567967075648	0.019524720848763	0.0822962467578483	0.0714745721946575
KICH	MTA2	cg09086761	-0.0377963800970085	66	-0.302587251003454	0.763185703894487	0.00142856634843754	0.868305672293901
KICH	MTA2	cg13708959	-0.312209291988561	66	-2.62909394467628	0.010708241669902	0.0974746420039983	0.0449634021950859
KICH	MTA2	cg19570317	-0.380335005265455	66	-3.28992163484526	0.00163208153023858	0.144654716230274	0.0100790783967119
KICH	MTA2	cg21002970	-0.0151978756094709	66	-0.121597048651632	0.903599140256225	0.00023097542304095	0.94890107339488
KICH	MTF2	cg05396182	0.177220120759256	66	1.44056329739174	0.15458257634888	0.0314069712019251	0.322168857515598
KICH	MTF2	cg05962718	-0.355597389455387	66	-3.04371891739579	0.00338840939982583	0.126449503387486	0.0181641345679472
KICH	MTF2	cg09936581	0.0469902960292438	66	0.376338091646407	0.707910314714348	0.00220808792091597	0.833510967716594
KICH	MTF2	cg11404133	-0.168592664120557	66	-1.36832781903551	0.175994123201263	0.028423486395267	0.351834476546206
KICH	MTF2	cg14474880	-0.211344667635732	66	-1.7298314701171	0.0884806814036521	0.044666568538058	0.218287424078711
KICH	MTF2	cg15463775	-0.297055426990477	66	-2.48878665423047	0.0154299055059791	0.0882419267044945	0.0596894116823538
KICH	MTF2	cg16813892	0.0968048912792822	66	0.778093541963776	0.439381007525978	0.00937118697559366	0.632083993185197
KICH	MTF2	cg19708337	-0.0536095204537983	66	-0.429493786130934	0.669006426018476	0.00287398068328622	0.808046918172919
KICH	MTF2	cg22801127	-0.220515301645106	66	-1.80864489265421	0.0752039793628648	0.0486269982596323	0.194275698032633
KICH	MTF2	cg23992808	-0.176111338851914	66	-1.43126095648452	0.157220664718565	0.0310152036722138	0.325920654225386
KICH	MTF2	cg26054395	-0.349901350382994	66	-2.98809883159133	0.00397752963056232	0.122430954999843	0.0206643475410689
KICH	NAP1L2	cg02379437	0.0549738419369265	66	0.440456796478845	0.661090416467273	0.00302212329730618	0.802823413341478
KICH	NAP1L2	cg04297329	0.0641555437537957	66	0.514303861696927	0.608811001253983	0.00411593379434519	0.766509298282094
KICH	NAP1L2	cg07693661	0.0445518676946501	66	0.356769187462462	0.722438222528144	0.00198486891508161	0.842738068997202
KICH	NAP1L2	cg20001978	0.0365820294490778	66	0.292852255210503	0.77058249496323	0.0013382448786132	0.872878760184189
KICH	NAP1L2	cg23483095	0.131653469741199	66	1.06247575899834	0.292012494897268	0.0173326360948968	0.489766078693446

KICH	NCOA1	cg11380327	-0.239006665326589	66	-1.96912257753543	0.0532717330671249	0.057124186070536	0.15107993024067
KICH	NCOA1	cg13911252	-0.0702762765138468	66	-0.563603685015809	0.574993431081121	0.00493875504065065	0.742042085856651
KICH	NCOA1	cg15477048	0.0392127963402164	66	0.31394383040606	0.754584738330518	0.00153764339681929	0.862937187747102
KICH	NCOA1	cg23006163	-0.335024673229597	66	-2.84458795924714	0.00596497423918374	0.112241531672598	0.0285334320828297
KICH	NCOA3	cg04175879	-0.232589792473285	66	-1.91318765096537	0.060199683924832	0.0540980115627659	0.165070378581623
KICH	NCOA3	cg09568061	0.0794183186167163	66	0.637359728104094	0.526164146407181	0.00630726933190627	0.704904828917825
KICH	NCOA3	cg12128876	0.125323379595662	66	1.01055430133529	0.316035215888257	0.0157059494732784	0.515260265845353
KICH	NCOA3	cg14341558	-0.0374020399987094	66	-0.299425828567951	0.765585410437719	0.00139891259606506	0.870005279512569
KICH	NCOA3	cg14774045	-0.00166820830302474	66	-0.0133456849941906	0.989393515923203	2.78291894228068e-06	0.994343900674406
KICH	NCOA3	cg18295930	0.0660615715007632	66	0.529649565809876	0.59818752531794	0.00436413122915045	0.75877059097642
KICH	NCOA3	cg21735648	0.23135312036407	66	1.90243841352611	0.0616151869371115	0.0535242663021917	0.167891133190391
KICH	NCOA3	cg22511723	-0.125909487291547	66	-1.01535637495454	0.313759197184787	0.0158531989900203	0.512817677286244
KICH	NCOA3	cg22876277	-0.0895934509182555	66	-0.719641703868046	0.474365455346049	0.00802698644744186	0.662305088906547
KICH	NCOA3	cg24856420	0.191781589234939	66	1.56327072309294	0.122920563166233	0.0367801779694788	0.275242711730871
KICH	NCOA3	cg25373408	0.125703530972272	66	1.0136688192179	0.314557779727041	0.0158013776988969	0.513604951539205
KICH	NCOR1	cg00253204	-0.0637752805439115	66	-0.511242989513034	0.610940215938957	0.00406728640845461	0.76802164017186
KICH	NCOR1	cg08125503	-0.00391578687964242	66	-0.0313265352090021	0.975106618561263	1.53333868867797e-05	0.986916504855281
KICH	NCOR1	cg08206308	-0.105306544332307	66	-0.847162742166235	0.400061323413045	0.0110894682792122	0.596682654836067
KICH	NCOR1	cg21211144	0.250712752406537	66	2.07187453264941	0.0423120742145027	0.0628568842192614	0.127557663299478
KICH	NCOR1	cg22291359	-0.0317814408098165	66	-0.254380028478644	0.800017538575455	0.00101005997994787	0.890862184140224
KICH	NCOR1	cg22625220	-0.1157043354387	66	-0.931893561137277	0.354893765580922	0.0133874932393112	0.553833612830536
KICH	NCOR2	cg08976554	0.0805418774607959	66	0.646435141547667	0.520309093661165	0.00648699402490987	0.700668622137767
KICH	NCOR2	cg10641483	0.00310884782162474	66	0.0248709027611149	0.98023532184907	9.66493477802091e-06	0.989801346921421
KICH	NCOR2	cg13416396	-0.160899222390575	66	-1.30418622936827	0.196841149393581	0.0258885597658917	0.378989243309597
KICH	NCOR2	cg13419087	-0.0530467490225776	66	-0.424972340478628	0.672282269916419	0.00281395758186434	0.810305174935747
KICH	NCOR2	cg13857025	-0.0615641329618307	66	-0.4934490725811	0.623384408977081	0.00379014246734197	0.776848856437431
KICH	NCOR2	cg16181859	-0.00171773634803987	66	-0.0137419110579001	0.98907863507243	2.95061816137736e-06	0.994282932206057
KICH	NCOR2	cg19895345	-0.037871546098406	66	-0.303189872448354	0.76272854197224	0.00143425400388369	0.868014046551808
KICH	NCOR2	cg23611643	-0.12282630077957	66	-0.99010755673336	0.325850195405598	0.0150863073604193	0.525317378538662
KICH	NCOR2	cg24626542	-0.0365460550896407	66	-0.292563882226902	0.770801934779155	0.00133561414261506	0.873016201088617
KICH	NCOR2	cg25113767	-0.23226085689424	66	-1.91032756577703	0.0605735909395475	0.0539451056452465	0.165790449057142
KICH	NCOR2	cg25449924	0.046329034309893	66	0.371030674675648	0.711840054106921	0.00214637942008724	0.836016322245109
KICH	ORC1	cg00298020	-0.321713273039665	66	-2.7182142262971	0.00843602754271086	0.103499430049894	0.0374221546819666
KICH	ORC1	cg02275620	-0.0635265259195817	66	-0.509240797199587	0.612334813648297	0.00403561949541129	0.769041595249679
KICH	ORC1	cg04407474	-0.135663361791869	66	-1.09543419326866	0.277431716450878	0.0184045477326716	0.474205676390913
KICH	ORC1	cg07142859	-0.0620475686616814	66	-0.497338825064009	0.620654519688008	0.00384990077682607	0.775172952696532
KICH	ORC1	cg08613513	-0.146473782488617	66	-1.18456633785694	0.240569386555106	0.0214545689565226	0.432624110120762
KICH	ORC1	cg10586599	0.0300860389067588	66	0.240797317148993	0.810481937634916	0.000905169737099003	0.897696791622111
KICH	ORC1	cg13460942	0.0907831032005751	66	0.729276234360538	0.468493307208029	0.00824157182672627	0.657457611756371
KICH	ORC1	cg16136434	0.0584906892024001	66	0.468727997471246	0.640856763241785	0.00342116072337176	0.788991755390762
KICH	ORC1	cg16965475	0.0643661638017322	66	0.515999313182535	0.607633062252458	0.00414300304255142	0.765546608659008
KICH	ORC1	cg17146111	-0.337131298375852	66	-2.86476021098602	0.0056388572781074	0.113657512344588	0.0273126992773232
KICH	ORC1	cg19776520	-0.13823530205163	66	-1.11660245315641	0.268338968302137	0.0191089987333054	0.464119385034827
KICH	ORC1	cg21197365	-0.0763862560770002	66	-0.612880701068757	0.542127043691188	0.00583486011746105	0.716846518737992
KICH	ORC1	cg23606758	-0.10243694137319	66	-0.823829284863239	0.413096132484746	0.0104933269578944	0.608650429931879
KICH	ORC1	cg25605769	0.0316032165294073	66	0.252952083420029	0.801115965776421	0.000998763295004602	0.891447918662456
KICH	PADI1	cg14524955	-0.210619474086286	66	-1.7236198186679	0.0896046413563061	0.0443605628643837	0.22016687627278
KICH	PADI1	cg21010178	-0.0615961861839419	66	-0.49370696389715	0.62320325221358	0.00379409015240684	0.776730300263414
KICH	PADI1	cg22193702	-0.181055880260557	66	-1.47278809052625	0.145709375986434	0.0327812317769251	0.3096488429942
KICH	PADI2	cg00569276	-0.0686797288878843	66	-0.550738256473391	0.583730525151618	0.00471690516011328	0.748660189818731
KICH	PADI2	cg01603374	-0.0153542976953455	66	-0.122848863499958	0.902611748279592	0.000235754457717294	0.948529993322291
KICH	PADI2	cg07014827	-0.326088165750271	66	-2.75954374968414	0.00754006797333167	0.106333491842377	0.0343265477479731
KICH	PADI2	cg09313801	-0.178570950653196	66	-1.45190400348837	0.151413128558836	0.0318875844171861	0.31773394807688
KICH	PADI2	cg10233913	0.309939737796501	66	2.60794291179958	0.0113235564572476	0.0960626410653637	0.0469790811708772
KICH	PADI2	cg15185794	-0.109693387372798	66	-0.882874831322459	0.380608166959507	0.0120326392333188	0.578968571996009
KICH	PADI2	cg17183414	-0.078198329628224	66	-0.627508178668002	0.532558720460763	0.00611497875664438	0.709906512869688
KICH	PADI2	cg18228326	-0.0342887484848591	66	-0.274471385844289	0.784606421633965	0.00117571827265793	0.881045676376207

KICH	PADI2	cg18879300	-0.0924617573178062	66	-0.742876365274147	0.460274709234721	0.0085491765662969	0.650083709698727
KICH	PADI2	cg19282714	-0.0466113373360049	66	-0.373296434231098	0.710161465232529	0.00217261676825084	0.834939865589097
KICH	PADI3	cg01459162	-0.265881717750512	66	-2.20647432962174	0.0309461289141481	0.0706930878339627	0.100982514796444
KICH	PADI3	cg12858514	-0.118330064402804	65	-0.94586108848639	0.347833205659487	0.0140020041415717	0.54711513605414
KICH	PADI3	cg14664242	-0.0102211164515382	66	-0.0817732031970852	0.93508226747032	0.000104471221515904	0.965450381774803
KICH	PADI3	cg17589397	-0.0224052681451031	66	-0.179287151529893	0.858278636992561	0.000501996040653972	0.924674943028463
KICH	PADI3	cg18768338	0.0668911700609096	66	0.53633059217906	0.593589469806064	0.00447442863211753	0.755523813283566
KICH	PADI3	cg21966975	-0.0339988604752296	66	-0.272148220409721	0.786384125250553	0.00115592251361413	0.882222670489329
KICH	PADI4	cg16091981	-0.0441024538278732	66	-0.35316325372526	0.725126661828629	0.00194502643363969	0.844251714504141
KICH	PADI4	cg18333690	-0.210839356113441	66	-1.72550290488867	0.0892626722751933	0.0444532340863303	0.219555467528025
KICH	PADI4	cg19159961	0.01646288927367	66	0.131720965349787	0.895618223040916	0.000271026723237118	0.94461318677375
KICH	PADI4	cg21295838	-0.225600933627065	66	-1.8525670172005	0.0685566310190522	0.0508957812534033	0.181578360607544
KICH	PADI4	cg23228178	0.106214473539214	66	0.854549768392382	0.395988009503224	0.0112815143892124	0.592675437429899
KICH	PADI4	cg26918754	-0.137950719726224	66	-1.11425908417124	0.269335117783687	0.0190304010729831	0.465310921983408
KICH	PADI6	cg12643633	0.0377357936060027	66	0.302101520265711	0.763554251495676	0.00142399011907483	0.868603737439922
KICH	PADI6	cg16017904	-0.0143465872492809	66	-0.114784511338245	0.908975289527601	0.000205824565701228	0.951621147492173
KICH	PARP1	cg00653565	-0.0363660928164668	66	-0.291121309123822	0.771899954352461	0.00132249270673588	0.87355184086022
KICH	PARP1	cg02088626	0.168054126990472	66	1.36382971682281	0.177398856446364	0.0282421895985297	0.353682384068428
KICH	PARP1	cg03149313	0.218689846892633	66	1.79291737950311	0.0777116570553283	0.0478252491339234	0.19878555000008
KICH	PARP1	cg04960271	0.117698632210078	66	0.948179511846203	0.346604709431832	0.0138529680241233	0.545964980667885
KICH	PARP1	cg07113065	-0.368715016676823	66	-3.17330318127702	0.00231650739794347	0.13595076352299	0.0133895814336589
KICH	PARP1	cg17661881	-0.134163082879833	66	-1.08309665158657	0.282829285123299	0.0179997328078208	0.480077270993037
KICH	PARP1	cg25722198	-0.050123177970906	66	-0.401490079313946	0.689396839490014	0.00251233296990311	0.821451686853421
KICH	PARP1	cg26464410	-0.0445398638141581	66	-0.356672869871365	0.722509987650519	0.00198379946858375	0.842783871817976
KICH	PARP2	cg01813761	-0.203834482431729	66	-1.66564547911585	0.100672049107589	0.0415484962282109	0.239369197025361
KICH	PARP2	cg10910545	-0.265623375300967	66	-2.20416758839594	0.0311157417582713	0.070555775062786	0.101412996668034
KICH	PARP2	cg15078479	-0.256647081211461	66	-2.12433071045937	0.0375113917027179	0.0658677242943625	0.11681038099653
KICH	PARP2	cg15365367	-0.0595210009200161	66	-0.477013727151807	0.634977199269752	0.00354274955052056	0.78495814778311
KICH	PARP2	cg18899035	-0.222049312765928	66	-1.82187686249874	0.0731469177506285	0.0493058972998211	0.190422357845343
KICH	PARP2	cg19540080	0.114995454948217	66	0.926107419713415	0.357869328629156	0.0132239546587474	0.556872131121134
KICH	PARP2	cg24595957	0.156458848182748	66	1.26727797476351	0.20964782375664	0.0244793711746721	0.395119383708216
KICH	PARP2	cg26206608	0.146477600815858	66	1.18459789458847	0.24055699260041	0.0214556875407699	0.432624110120762
KICH	PARP2	cg26430074	0.00446941922445982	66	0.035755710920286	0.971588438117528	1.99757082039711e-05	0.984957289356068
KICH	PAXIP1	cg02824291	-0.00866502808730645	66	-0.0693228272202307	0.944948801659124	7.50827117538097e-05	0.970546805457876
KICH	PAXIP1	cg12220104	0.0711468094708489	66	0.57062051099282	0.570255026675644	0.00506186849788127	0.73829083253237
KICH	PAXIP1	cg22583711	-0.0317496818918215	66	-0.254125572092661	0.800213246094142	0.00100804230023186	0.890909304059132
KICH	PAXIP1	cg24448952	0.02463611854376	66	0.197148786009052	0.844335884202508	0.000606938336902196	0.916839847942843
KICH	PAXIP1	cg24452135	0.0324973982950125	66	0.260116574715625	0.795608879396367	0.00105608089594468	0.888162451139064
KICH	PCGF1	cg03203239	0.237730712401766	66	1.95797879491376	0.0545948879962255	0.0565158916190512	0.153876842026679
KICH	PCGF1	cg08092637	0.018211722784692	66	0.145717949187906	0.884602034356383	0.000331666846786469	0.938849515828599
KICH	PCGF1	cg27306986	0.132208283118757	66	1.06703272308758	0.289965667194611	0.0174790301252093	0.487468160210428
KICH	PCGF2	cg09395368	-0.268043716965231	66	-2.22579895344852	0.0295568277448806	0.0718474342045369	0.0976035256636913
KICH	PCGF2	cg17902383	0.389330199072615	66	3.38144337408201	0.00123355564058743	0.151578003909922	0.00799960215937464
KICH	PCGF2	cg20228512	-0.147966704159852	66	-1.19690879478388	0.235756942094862	0.0218941455399291	0.427029163736704
KICH	PCGF2	cg25377665	-0.28349791122096	66	-2.36501302489504	0.0210722591757743	0.0803710656666471	0.0758145252658635
KICH	PCGF5	cg03905463	0.108843307361851	66	0.875950552077096	0.384332786564998	0.0118468655574664	0.582504379637575
KICH	PCGF5	cg06001881	-0.428200956603698	66	-3.79071599799992	0.000334934326735389	0.183356059236322	0.0026795435020622
KICH	PCGF5	cg07421809	-0.149971131259443	66	-1.21349320179551	0.22940084738558	0.0224913402112369	0.41945211116236
KICH	PCGF5	cg07424295	-0.0745882731831897	66	-0.598373004324842	0.55170295444603	0.00556341049645014	0.724032181216883
KICH	PCGF5	cg08633154	-0.173910679677429	66	-1.41281471224848	0.162555047971838	0.0302449245058653	0.333196516795014
KICH	PCGF5	cg11113644	-0.0819708840503222	66	-0.657981360926642	0.512909973229027	0.00671922583199137	0.694697119581087
KICH	PCGF5	cg12783297	0.126775657132002	66	1.02245502195119	0.310414948594654	0.0160720672412508	0.509234738005789
KICH	PCGF5	cg15550435	-0.412712802158696	66	-3.62481394850107	0.000573789773882362	0.170331857065683	0.00421217401042818
KICH	PCGF5	cg17001035	-0.0222178363527464	66	-0.177786576832693	0.859452110226597	0.000493632252197418	0.925319273951536
KICH	PCGF5	cg20515900	-0.286299041089659	66	-2.390456072087	0.0197809205535516	0.0819671409288581	0.0722221304521046
KICH	PCGF5	cg22968329	0.0867857370846979	66	0.696915358215818	0.488379525033255	0.00753176416133431	0.674373571661913
KICH	PCGF5	cg23395902	-0.196510993832268	66	-1.60335068965016	0.113781506624454	0.0386165706969455	0.261006650144275

KICH	PCGF5	cg25390656	0.0390665475223606	66	0.312771146215472	0.755471456952199	0.00152619513531686	0.863570390886026
KICH	PCGF6	cg01917164	-0.103407533765767	66	-0.831719056769874	0.408660100479371	0.0106931180395182	0.604615809069668
KICH	PCGF6	cg06691148	-0.302711835052391	66	-2.54090870695486	0.0134917676494478	0.0916344550807858	0.0538393943269622
KICH	PCGF6	cg11612727	-0.168947161163473	66	-1.37128942444863	0.175073874967605	0.0285431432651967	0.350634529496432
KICH	PCGF6	cg11814370	-0.374659453717625	66	-3.23274036979057	0.00193962917134648	0.140369706259989	0.0115954439219033
KICH	PCGF6	cg14409890	-0.39356146678252	66	-3.42488582903349	0.00107839918691373	0.154890628136009	0.00714895495072576
KICH	PCGF6	cg16113748	-0.283623225417633	66	-2.36614985742273	0.0210129932210087	0.0804421339963017	0.0756448308484569
KICH	PCGF6	cg16382383	-0.00310820327053406	66	-0.0248657462776495	0.980239418801378	9.66092757095865e-06	0.989801346921421
KICH	PCGF6	cg24418712	-0.227164430242588	66	-1.86610203470023	0.0666105763313461	0.0516036783674396	0.177750413338706
KICH	PCGF6	cg25481680	-0.0836500367084451	66	-0.671553960119563	0.50428456667681	0.00699732864132421	0.687539451796487
KICH	PCGF6	cg26155979	-0.0314759205888575	66	-0.25193219447887	0.801900747995313	0.000990733576916063	0.891900188572964
KICH	PCGF6	cg27217148	0.00618508294175406	66	0.0494816100087898	0.960689593999992	3.8255250996377e-05	0.9793814470044
KICH	PHC1	cg02770112	-0.149397607111417	66	-1.20874637339887	0.231207222637953	0.0223196450106172	0.421706437839524
KICH	PHC1	cg08021945	0.240198732684297	66	1.97954350252603	0.0520593093724243	0.0576954311831424	0.148592988931146
KICH	PHC1	cg08867249	-0.0454528095529154	66	-0.363998673792937	0.717058792019526	0.00206595789625359	0.839231981994948
KICH	PHC1	cg09059548	-0.0547822236427382	66	-0.438916899028988	0.662200009894649	0.00300109202724298	0.803506115292442
KICH	PHC1	cg09912793	0.117773593509569	66	0.948791891023954	0.346295507556336	0.0138706193281571	0.545592334788214
KICH	PHC1	cg12581035	-0.0518372376529143	66	-0.415256193817152	0.679343257288029	0.00268709920748472	0.814944832106396
KICH	PHC1	cg14199415	-0.122253994674068	66	-0.985423772130363	0.328126799111416	0.0149460392137671	0.527697190789769
KICH	PHC2	cg06899053	-0.255568364171766	66	-2.11477655697957	0.0383487102120693	0.0653151887654322	0.118648566745057
KICH	PHC2	cg13640100	0.302217136405661	66	2.53633853638032	0.0136524523569218	0.0913351975372382	0.0543235066571723
KICH	PHC2	cg15586632	-0.197416001373735	66	-1.61103346175724	0.11209383012954	0.0389730775983946	0.258369453382047
KICH	PHC2	cg16558908	-0.113052271372627	66	-0.910253769872841	0.366104234847842	0.01278081606251	0.564992617305502
KICH	PHC2	cg17161743	0.171954101518357	66	1.39643273014994	0.167408697119703	0.0295682130289854	0.340187346439155
KICH	PHC2	cg19746874	0.130632370725224	66	1.05409160651114	0.29580426653887	0.0170648162812923	0.493762409851408
KICH	PHC2	cg21198021	-0.278772510079117	66	-2.32224026432357	0.0234132124781987	0.0777141123758111	0.0820121325376646
KICH	PHC2	cg21578869	-0.00699370266616663	66	-0.0559509896800276	0.955555158876958	4.89118769827463e-05	0.976338464757074
KICH	PHC2	cg23886755	-0.457068933554483	66	-4.11111187347997	0.000114345334654323	0.208912010020632	0.0010811109582035
KICH	PHF1	cg01097444	0.01544811729229	66	0.12359968740048	0.902019595990324	0.00023864432787635	0.948253223954811
KICH	PHF1	cg02776641	0.122005550592768	66	0.983390907137535	0.329118173920353	0.0148853543754445	0.528820600159404
KICH	PHF1	cg03560363	0.182409335370999	66	1.4841751677861	0.142671093624169	0.0332731656304894	0.305243394224543
KICH	PHF1	cg03876174	0.0398959901855961	66	0.319422233313995	0.750446677303589	0.00159169003288918	0.860136616905041
KICH	PHF1	cg06618123	-0.0256961664990806	66	-0.205637233613382	0.837726993259065	0.000660292972748473	0.913167557706555
KICH	PHF1	cg06919790	0.0858612304466121	66	0.689435857238001	0.493041218452291	0.00737215089380624	0.678428763058538
KICH	PHF1	cg07857404	0.21837671767221	66	1.79022155406159	0.0781484160208333	0.0476883908212883	0.199516848016957
KICH	PHF1	cg08665801	-0.177070625690743	66	-1.43930875011546	0.154936337569246	0.031354006482511	0.322681376190986
KICH	PHF1	cg08798692	-0.0163629725880084	66	-0.130921308762861	0.89624822865434	0.000267746871915915	0.94501163986574
KICH	PHF1	cg10033570	0.0519552589109667	66	0.416204191051996	0.678653040067629	0.00269934892850559	0.814466076583446
KICH	PHF1	cg10797813	0.150521126851108	66	1.21804647087648	0.227677809248211	0.0226566096285272	0.417392285480627
KICH	PHF1	cg13303256	0.194275986560797	66	1.58439552231673	0.118033062848974	0.037743158954171	0.267688883775672
KICH	PHF1	cg13528777	0.0805323629823723	66	0.646358279113345	0.520358537170121	0.00648546148752456	0.700694201947504
KICH	PHF1	cg13547657	-0.0997661573062499	66	-0.802131161864691	0.425445580024407	0.00995328614365541	0.620148248127892
KICH	PHF1	cg18443095	-0.0604781601037996	66	-0.484712537072652	0.629535143571731	0.00365760784954082	0.781407272160917
KICH	PHF1	cg20135607	0.0939095476815907	66	0.754611209515017	0.453250139992754	0.00881900314576097	0.643668152438778
KICH	PHF1	cg20872639	-0.148806240119414	66	-1.20385317360875	0.233080101896351	0.0221432970984768	0.423838929233921
KICH	PHF1	cg23345642	-0.063871139979933	66	-0.5120145746628	0.610403164630102	0.0040795225223362	0.76766424374013
KICH	PHF1	cg23718418	0.00701293588213477	66	0.0561048667283325	0.955433056188247	4.91812696869334e-05	0.976277818726551
KICH	PHF1	cg24796663	-0.0518479515160147	66	-0.415342251428442	0.679280589149607	0.00268821007640701	0.814928372489049
KICH	PHF1	cg26673053	0.0243569284278891	66	0.194913253115414	0.846078301743194	0.000593259962441314	0.917814762664307
KICH	PHF10	cg04353997	-0.187083312612029	66	-1.52356651386794	0.132543392537276	0.0350001658578903	0.290019989284865
KICH	PHF10	cg05243705	-0.198254224012676	66	-1.61815310758137	0.110547950979695	0.0393047373388683	0.255904519417
KICH	PHF10	cg05736120	0.0298244638769728	66	0.238701897141238	0.812099435612918	0.000889498645548857	0.898733387781085
KICH	PHF10	cg07652237	-0.149178555908733	66	-1.20693370442408	0.2318997442724	0.022254241543015	0.422492007164568
KICH	PHF10	cg11442717	-0.146027061928839	66	-1.18087476941874	0.242022434665896	0.0213239028155689	0.43430276071228
KICH	PHF10	cg15342139	0.122442459687886	66	0.986965990744989	0.327376023716737	0.0149921559344196	0.526854314944734
KICH	PHF10	cg15360169	-0.299790798564944	66	-2.5139558717552	0.01446467363051	0.0898745229042066	0.0567513022196842
KICH	PHF10	cg16740543	0.109298909999792	66	0.879661395048529	0.382333867115236	0.0119462517271425	0.580730633546726

KICH	PHF10	cg27124293	-0.483241978055227	66	-4.4157555420477	3.95822935144185e-05	0.233522809354729	0.000433821490794685
KICH	PHF11	cg00092518	-0.294109157349373	66	-2.46175202992053	0.016530963222925	0.0865001964367584	0.0628763385793881
KICH	PHF11	cg01214340	-0.290473276649257	66	-2.42849539554449	0.0179820128691424	0.0843747244473558	0.0670939658594505
KICH	PHF11	cg02289189	0.0382839953536927	66	0.306496655794116	0.760221454860305	0.00146566430024156	0.86659341870324
KICH	PHF11	cg05080330	0.373135069319003	66	3.21745468300646	0.0020306310524872	0.139229779955697	0.0120404658610663
KICH	PHF11	cg09997676	-0.317579887328124	66	-2.67934470173398	0.00936654059603697	0.100856984835344	0.0404901455394588
KICH	PHF11	cg16956501	-0.231988159096615	66	-1.907956991766	0.0608849940765021	0.0538185059610363	0.166361814800583
KICH	PHF11	cg21320768	-0.317304922067101	66	-2.6767650480264	0.00943149539119726	0.100682413568009	0.0406960380945061
KICH	PHF11	cg23137039	0.134456600657362	66	1.08550979499484	0.281767864142837	0.0180785774603332	0.478889960067204
KICH	PHF11	cg24481868	-0.248201165488809	66	-2.04974902054795	0.0444913307345689	0.061603818550003	0.132459188027748
KICH	PHF11	cg24984523	-0.165033843117429	66	-1.33862611401087	0.185428325524754	0.0272361693741083	0.364135079032506
KICH	PHF11	cg25162948	-0.288248457381953	66	-2.40820223249004	0.0189225745689792	0.0830871731830756	0.0697527845915074
KICH	PHF12	cg01406758	0.0961688496650857	66	0.772933316401713	0.442407182253352	0.00924844764590586	0.634770547893124
KICH	PHF12	cg02058367	-0.149934818159719	66	-1.21319261578799	0.229514927775764	0.0224804496965881	0.419584966964161
KICH	PHF12	cg06895197	0.187074575917501	66	1.52349278370787	0.132561802292275	0.0349968969547128	0.290038814630646
KICH	PHF12	cg08657247	-0.0816210621677017	66	-0.655154462941932	0.514716322406352	0.00666199778938383	0.696240702889225
KICH	PHF12	cg08806622	-0.0925578687590545	66	-0.743655233794419	0.459806548974424	0.00856695906921835	0.649634787528902
KICH	PHF12	cg13564075	-0.0721085894071124	66	-0.578374346696542	0.565041184298334	0.00519964866628353	0.73467653126482
KICH	PHF14	cg06715026	0.0327975002109512	66	0.262521233575628	0.793762823191953	0.00107567602008735	0.88698315117374
KICH	PHF14	cg07287563	-0.0628273953513287	66	-0.503614098939492	0.616261699115991	0.00394728160663215	0.771966935913392
KICH	PHF14	cg07574654	0.36526418801512	66	3.13900661592079	0.00256416033532023	0.133417927046345	0.0145298625506536
KICH	PHF14	cg11931558	-0.369024011724946	66	-3.17638154336729	0.00229541122212942	0.136178721229573	0.0132933239495523
KICH	PHF14	cg13029706	0.0533303128824248	66	0.427250512028708	0.670630905115491	0.00284412227213733	0.809154734049174
KICH	PHF14	cg16800461	-0.00707039752383604	66	-0.0565645940551261	0.955068265205884	4.99905211450668e-05	0.976084560010333
KICH	PHF14	cg20819769	0.294040237880694	66	2.46112055694876	0.0165575053989727	0.0864596614929351	0.0629342148340098
KICH	PHF14	cg20964328	0.078637574464714	66	0.631054801373667	0.530252001156703	0.00618386811769344	0.708186103865963
KICH	PHF14	cg22876561	0.0676917865942935	66	0.5427792761974	0.589167087666627	0.00458217797232737	0.752481766835291
KICH	PHF14	cg23083824	-0.12788500209091	66	-1.03155007138921	0.306165490621095	0.016354573759792	0.504654876720837
KICH	PHF14	cg24491907	0.227931780512176	66	1.87275045910996	0.0656718527115249	0.0519528965674506	0.175883089814451
KICH	PHF19	cg11054680	-0.0164042218670163	66	-0.131251435906284	0.895988131424858	0.000269098495062295	0.944836803883118
KICH	PHF19	cg11594303	0.186423657633135	66	1.51800064755551	0.133938846825758	0.0347537801253165	0.29210699879978
KICH	PHF19	cg13501527	0.0811724369154159	66	0.651529495106308	0.517037569652829	0.00658896451478717	0.698064555993375
KICH	PHF19	cg13793166	-0.0593737813870511	62	-0.460720125853974	0.646665017566532	0.00352524591619734	0.792830145252644
KICH	PHF19	cg13851767	0.207727553935795	66	1.69887854118617	0.0941987563624932	0.0431507366641487	0.228168821884479
KICH	PHF19	cg13852822	0.20266236906709	66	1.65565601132694	0.102687308832357	0.0410720358358852	0.242743823978375
KICH	PHF19	cg14218513	-0.0668812679261733	66	-0.536250840514728	0.593644259195519	0.00447310399941257	0.755539724800463
KICH	PHF19	cg27207079	0.133862584050469	66	1.08062641449407	0.283918688304999	0.0179191914086687	0.481201970326777
KICH	PHF20	cg01512265	-0.143623505879764	66	-1.16102508992212	0.249943904986029	0.0206277114411946	0.443562596230873
KICH	PHF20	cg02674305	-0.0379989960323044	66	-0.304211676822595	0.761953572287273	0.00144392369946309	0.867728714299543
KICH	PHF20	cg02957488	-0.0973036196116834	66	-0.782140413321341	0.437016284961826	0.00946799438953518	0.629999595860808
KICH	PHF20	cg04179482	-0.0272748601832364	66	-0.218280087814384	0.82790541268887	0.000743917998015097	0.907472893561185
KICH	PHF20	cg09692677	-0.0875736308350541	66	-0.70329105624728	0.484425072914344	0.00766914081763434	0.671138959749247
KICH	PHF20	cg10372813	-0.103373320837919	66	-0.831440905303487	0.408815996120793	0.0106860434610593	0.604759822180622
KICH	PHF20	cg21765224	0.0395960639077204	66	0.31701712612507	0.752262456060955	0.00156784827698428	0.86126899256499
KICH	PHF20	cg23538717	-0.0809280053870171	66	-0.649554614966395	0.518304515088161	0.00654934205592106	0.699130987581163
KICH	PHF20	cg23734815	-0.021818792195281	66	-0.174591900592744	0.861951453146168	0.000476059692860855	0.926681196048273
KICH	PHF20	cg25561939	0.064419518307608	66	0.516428817830186	0.60733482309145	0.00414987433898424	0.765406383287588
KICH	PHF20	cg27405321	-0.15914623290202	66	-1.28960586281461	0.201828501680673	0.025327523446904	0.385240808890634
KICH	PHF20L1	cg02898212	0.43877515779257	66	3.90631363488357	0.000228454824729061	0.192523639095895	0.00194064365963884
KICH	PHF20L1	cg05307234	-0.170330895429545	66	-1.3828549303873	0.171515348148297	0.0290126139378306	0.345696945199072
KICH	PHF20L1	cg10591701	-0.467758458160678	66	-4.2337962718181	7.49125711527345e-05	0.218797975180854	0.000751482728595206
KICH	PHF20L1	cg17646969	-0.162299088441056	66	-1.31583860831728	0.192922202784557	0.0263409941087976	0.37375875373201
KICH	PHF20L1	cg24511731	-0.0634419699760585	66	-0.508560239573117	0.612809173999376	0.00402488355444311	0.769407405174747
KICH	PHF20L1	cg26292018	0.59809674391803	66	5.970304089755101	1.1387972290155e-07	0.35771971508535	2.44188510567894e-06
KICH	PHF20L1	cg27342122	-0.186275844098288	66	-1.51675375671794	0.134253052154832	0.0346986900945296	0.292541595682867
KICH	PHF21B	cg01775414	-0.0894845197591764	66	-0.71875966866417	0.47490510731785	0.00800747927653043	0.662733970485502
KICH	PHF21B	cg01995480	-0.115467576744897	66	-0.929960890170341	0.355885872105968	0.0133327612793388	0.554684406514086

KICH	PHF21B	cg05064352	-0.0343157473063917	66	-0.274687758194119	0.78444091026828	0.00117757051319613	0.881021976229305
KICH	PHF21B	cg10080155	-0.0459031357486734	66	-0.367612588074179	0.714375049735315	0.00210709787156114	0.837488963186189
KICH	PHF21B	cg11428482	-0.0400391271393026	66	-0.320570078209	0.749580589088416	0.00160313170207724	0.859691469077757
KICH	PHF21B	cg14786713	-0.108176494833353	66	-0.870520429755236	0.387269600171316	0.0117021540344304	0.585210651711078
KICH	PHF21B	cg15679813	-0.0691081290359426	66	-0.554190003475673	0.581380189161655	0.00477593349884849	0.746821304242258
KICH	PHF21B	cg20495645	-0.0738416249505881	66	-0.592350126877713	0.555703242816744	0.00545258557534332	0.727103652843456
KICH	PHF21B	cg20525183	-0.0630351240803214	66	-0.505285850004074	0.615093798984322	0.00397342686782152	0.770994531039068
KICH	PHF21B	cg21715212	-0.0919298793653047	66	-0.738566507299209	0.462870196046087	0.00845110272011947	0.652221993356323
KICH	PHF21B	cg23080354	-0.0460871413871473	66	-0.369089316855457	0.713279448223491	0.00212402460123891	0.836885528785542
KICH	PHF21B	cg25561581	-0.0455375298003019	66	-0.364678545488349	0.71655363562015	0.00207366662031338	0.838888087544708
KICH	PHF21B	cg25976257	-0.0608547747110652	66	-0.487742164037486	0.627399202280457	0.0037033036051345	0.779782253485985
KICH	PHF23	cg00039960	0.227717642323998	66	1.87089476789912	0.0659327371880972	0.0518553246256004	0.176375343241664
KICH	PHF23	cg01441172	0.148795920888773	66	1.20376780003572	0.233112876228002	0.0221402260731381	0.423868340811545
KICH	PHF23	cg04379155	-0.214136664033163	66	-1.7537743700276	0.0842566811352232	0.0458545108832517	0.210660422506699
KICH	PHF23	cg11180288	0.306372390516234	66	2.57479661654702	0.0123526650277912	0.0938640416706317	0.0502911462828128
KICH	PHF23	cg13351208	0.0447908200646281	66	0.358686542779055	0.72101014417875	0.00200621756206189	0.841918032425351
KICH	PHF23	cg22033559	-0.324944911400698	66	-2.74872447139038	0.00776577063136901	0.105589195445207	0.0351299854914648
KICH	PHF23	cg26213471	-0.12003198250733	66	-0.967249046170989	0.337060584788281	0.01440767682464	0.536659212670233
KICH	PHF23	cg26784276	-0.0338071984586699	66	-0.270612276875514	0.787560067628198	0.0011429266676239	0.882981652198078
KICH	PHIP	cg01492710	0.291590231600407	66	2.43869962440755	0.0175250812335501	0.0850248631647791	0.0657795121819357
KICH	PHIP	cg04480383	-0.113522981980257	66	-0.914093129192013	0.364098921406751	0.0128874674376897	0.563093147229072
KICH	PHIP	cg05801338	-0.134453540542038	66	-1.0854846348924	0.281778916524619	0.0180777545642894	0.478889960067204
KICH	PHIP	cg06848288	0.0719310120166421	66	0.576942602658087	0.566002150948315	0.00517407048973831	0.735146027729748
KICH	PHIP	cg08287994	-0.186466530614831	66	-1.51836232540009	0.133847816257358	0.0347697670395317	0.291946307910192
KICH	PHIP	cg08587415	-0.0492632096088345	66	-0.394584769471037	0.694461242650701	0.00242686382096396	0.824870874276947
KICH	PHIP	cg15564972	0.108111148822424	66	0.869988355021574	0.387558117783188	0.0116880204997042	0.585453730529833
KICH	PHIP	cg19494004	-0.0546502965212212	66	-0.437856724584482	0.662964374242357	0.0029866549098574	0.804062145435782
KICH	PHIP	cg19950079	-0.032659790977233	66	-0.261417787219701	0.794609792640235	0.00106666194667655	0.887559754313244
KICH	PHIP	cg21607066	-0.198351981125112	66	-1.61898367142723	0.110368739625413	0.0393435084162566	0.255612555237255
KICH	PHIP	cg21875336	-0.0559960936370685	66	-0.448672722049208	0.655183249239734	0.00313556250261135	0.799000871261471
KICH	PHIP	cg26363168	0.266455490902809	66	2.21159938418246	0.0305721922951602	0.0709985286322571	0.100093982888334
KICH	PHRF1	cg06063517	0.180982837458159	66	1.47217380336913	0.14587470966145	0.0327547874544064	0.309861566072433
KICH	PHRF1	cg07530960	-0.412405260616901	66	-3.62155904939866	0.000579806148222982	0.170078098984494	0.00425041834666968
KICH	PHRF1	cg08482978	-0.285365139970873	66	-2.38196594738186	0.0202037463948206	0.0814332631105957	0.0733870405303579
KICH	PHRF1	cg12469954	-0.54740619571611	66	-5.23290954458697	1.97067960642324e-06	0.299653543108384	3.12043658257866e-05
KICH	PHRF1	cg12813709	-0.070547331668113	66	-0.565788352908928	0.573516101285813	0.00497692600549074	0.740897583543874
KICH	PHRF1	cg15219216	0.262117205204572	66	2.17291120843538	0.0334957625637905	0.0687054292642559	0.107149527237449
KICH	PHRF1	cg16143007	-0.306800666287201	66	-2.57876960984876	0.0122249910687728	0.0941266488342702	0.0498966922982221
KICH	PHRF1	cg18793109	-0.13986710208873	66	-1.13004483511586	0.262674764870719	0.0195628062466993	0.458124106578447
KICH	PHRF1	cg20152424	0.0732557971441212	66	0.587625217634845	0.558851556969613	0.00536641181522063	0.729781915010056
KICH	PHRF1	cg21006161	-0.376645699876194	66	-3.25270314318858	0.00182654543455085	0.141861983235228	0.0110398784504272
KICH	PPARGC	cg04893087	0.0439611162243012	66	0.352029256600565	0.725972843732161	0.00193257973968652	0.844758528237226
KICH	PPARGC	cg05158538	0.0534493597833622	66	0.428206973877587	0.669938084776388	0.0028568340612513	0.808757830683794
KICH	PPARGC	cg11270806	-0.0705921325772226	66	-0.566149454295219	0.573272092525993	0.00498324918180017	0.740705362420354
KICH	PPARGC	cg12691631	0.0901645506531028	66	0.724266428025861	0.47154158053014	0.00812964619447594	0.659744356601592
KICH	PPARGC	cg20723350	-0.0505052714063211	66	-0.404558471024779	0.68715100533418	0.00255078243982615	0.819981367483237
KICH	PPARGC	cg27461259	0.146753408814345	66	1.1868774649989	0.239662905472074	0.0215365629986303	0.431591679038705
KICH	PPARGC	cg27514608	-0.0353348909061702	66	-0.282855762821299	0.778200258867091	0.00124855451535095	0.877300812675666
KICH	PRDM1	cg00555933	-0.104559618305857	66	-0.84108726506679	0.403430680138885	0.0109327137802664	0.599853206414408
KICH	PRDM1	cg01761420	0.00744621899240979	66	0.0595714034654701	0.952682620389665	5.54461772829243e-05	0.975031922660075
KICH	PRDM1	cg05170275	0.0797323209214438	66	0.639895796862069	0.524524524505863	0.00635724299952011	0.703665537591769
KICH	PRDM1	cg08742502	0.0457922246374114	66	0.366722494178922	0.715035711671478	0.00209692783724315	0.837947790153669
KICH	PRDM1	cg14359052	0.058293765030698	66	0.467144512296668	0.641983051671537	0.00339816304145423	0.789703512250333
KICH	PRDM1	cg17143179	-0.24802728596134	66	-2.04821888769881	0.0446455627203614	0.0615175345813485	0.13282686653923
KICH	PRDM1	cg17521665	-0.0213073451369031	66	-0.170497468666511	0.865156782806567	0.000454002956783107	0.928400655489381
KICH	PRDM1	cg17965230	0.0992396438126797	66	0.79785571550303	0.427904716674217	0.00984850690406754	0.6221852378507
KICH	PRDM1	cg19464016	0.332204550848583	66	2.81765866226018	0.006427458702571	0.110359863604509	0.0302747470518169

KICH	PRDM1	cg22186515	0.323758641880088	66	2.7375123575624	0.00800619120817796	0.104819658192039	0.0359636600877767
KICH	PRDM1	cg22196848	-0.0652929340911311	66	-0.523460464232822	0.602461735175766	0.00426316724222879	0.761782527570762
KICH	PRDM1	cg24040346	0.310723562756363	66	2.61524213832555	0.0111076705978095	0.0965491324520072	0.0462806812051463
KICH	PRDM1	cg24793124	-0.0527999481570295	66	-0.4229896092839	0.673720799338715	0.002787834525385	0.811309977612669
KICH	PRDM1	cg24874254	-0.0494309638627284	66	-0.395931720521948	0.693472273713258	0.00244342018839836	0.824161579691122
KICH	PRDM1	cg26351406	0.0215686421187239	66	0.172589286433435	0.863518914178496	0.000465206322845588	0.927469148275603
KICH	PRDM10	cg04181189	-0.144755707816574	66	-1.17037270083031	0.246190718422091	0.0209542149454775	0.439239519045207
KICH	PRDM10	cg17627813	-0.116011131643393	66	-0.934398190714944	0.353610714329617	0.0134585826651806	0.552653015195117
KICH	PRDM12	cg09191327	-4.16541300569475e-05	66	-0.0003332330407446	0.999735155038262	1.7350665508011e-09	0.99985346304832
KICH	PRDM12	cg12539975	0.196073809550862	66	1.59964088184112	0.114603742610556	0.0384449387917877	0.262294196751373
KICH	PRDM12	cg13795948	0.131382554783748	66	1.06025096633437	0.293015394712697	0.0172613757015045	0.490697025364437
KICH	PRDM12	cg13928649	0.0684739138939751	66	0.549080053026263	0.58486122451333	0.00468867688395952	0.749418469162438
KICH	PRDM12	cg23342516	0.197496429613796	66	1.61171643861118	0.111944783570469	0.0390048397101971	0.258099700045364
KICH	PRDM13	cg00126261	0.237570601502513	66	1.95658119545107	0.054762795439951	0.0564397906982657	0.15417134977945
KICH	PRDM13	cg00579292	0.349943303538842	66	2.98850709793214	0.00397287812802911	0.122460315691678	0.0206484554444078
KICH	PRDM13	cg01422797	0.0411344409651438	66	0.329354286370089	0.742963376530786	0.0016920422335149	0.855513806101587
KICH	PRDM13	cg01815538	0.037855143927108	66	0.303058372395139	0.762828293593826	0.00143301192174207	0.868089470192626
KICH	PRDM13	cg02400433	0.103900623093031	66	0.835728210178246	0.406417115534931	0.01079533947912	0.602713604690868
KICH	PRDM13	cg03120185	0.13109374093705	66	1.05787945160696	0.294087037371395	0.0171855689128703	0.49185636550867
KICH	PRDM13	cg04910970	-0.0536964303066176	66	-0.430192077981324	0.668501077207854	0.00288330662767344	0.807812906182423
KICH	PRDM13	cg11809464	0.157916664175749	66	1.27938648830014	0.205379942945901	0.0249376728243963	0.389614886888739
KICH	PRDM13	cg13738144	0.182198138110113	66	1.48239772079213	0.143142044192519	0.0331961615307917	0.305905525235673
KICH	PRDM13	cg14344102	0.163366949563103	66	1.32473288561753	0.189970571596096	0.0266887602095534	0.370028559722243
KICH	PRDM13	cg17879189	0.119067060978106	66	0.959361177435984	0.340987224275436	0.0141769650099641	0.540281887760871
KICH	PRDM13	cg17978124	0.203645385893742	66	1.66403337843551	0.100995071792689	0.041471443195811	0.239924592024931
KICH	PRDM13	cg25273233	0.221463508034237	66	1.8168221946895	0.0739270943398327	0.0490460853908305	0.191816954796399
KICH	PRDM13	cg25924096	0.166293852202946	66	1.3491358590512	0.18204725151485	0.0276536452804951	0.359619967273657
KICH	PRDM13	cg26507427	0.092409188099203	66	0.742450363361658	0.460530884786858	0.00853945804515389	0.650279312648325
KICH	PRDM14	cg00384539	0.134480636912348	66	1.08570742088136	0.281681061103451	0.0180850417043509	0.47879687258247
KICH	PRDM14	cg01295203	0.00481422961882493	66	0.0385142832722372	0.969397531920462	2.31768068227712e-05	0.983929957573494
KICH	PRDM14	cg04838988	0.189353841041068	66	1.54274057485974	0.127824211248931	0.0358548771170059	0.282731926881968
KICH	PRDM14	cg09050331	0.095664280830032	66	0.768840413713587	0.444816089371392	0.00915165462672722	0.63677056578691
KICH	PRDM14	cg10457247	-0.134007717248773	66	-1.08181943747205	0.283392188797434	0.017958068282227	0.48069449670658
KICH	PRDM14	cg11229513	-0.0121107256720379	66	-0.0968929112628327	0.923114227808327	0.000146669676303358	0.959614461657259
KICH	PRDM14	cg13267264	-0.0217855910836274	66	-0.174326102206864	0.862159463643935	0.000474611978863027	0.926749841069233
KICH	PRDM14	cg18035229	-0.0178201198649357	66	-0.142583599903811	0.887066988951944	0.000317556672000675	0.939978060866683
KICH	PRDM14	cg21255438	0.193531813848821	66	1.57808987786679	0.119475344832187	0.0374545629716147	0.269960352489911
KICH	PRDM14	cg27029821	0.110941108994905	66	0.893041633957855	0.375180653926858	0.0123079296650195	0.573875503886774
KICH	PRDM4	cg00090609	0.019129730875011	66	0.153065856527963	0.878827922063842	0.000365946603350349	0.935657246835656
KICH	PRDM4	cg03909902	0.0405734874265319	66	0.324855399307126	0.746350030840569	0.00164620788195094	0.857580906160437
KICH	PRDM4	cg12900929	-0.0668669290057602	66	-0.536135355318387	0.593723601718948	0.00447118619466138	0.755584646765428
KICH	PRDM4	cg18440127	0.0108619540080052	66	0.0869007585798546	0.931021716248053	0.000117982044872021	0.963521396751377
KICH	PRDM4	cg25995916	-0.103530118506195	66	-0.83271569651837	0.40810181100709	0.0107184854379068	0.604174971735948
KICH	PRDM4	cg27140793	0.180877526378011	66	1.47128818556858	0.146113329879112	0.032716679548628	0.310142984573414
KICH	PRDM5	cg05713693	-0.00588162688253907	66	-0.0470538289464856	0.962616849438698	3.45935347854062e-05	0.980360474239181
KICH	PRDM5	cg06329345	-0.286084277822983	66	-2.3885029965904	0.0198774812576879	0.0818442140174978	0.0724522689856425
KICH	PRDM5	cg07070341	-0.0466439982397602	66	-0.373558575895122	0.709967350156274	0.00217566257179075	0.834823320597788
KICH	PRDM5	cg10416963	0.0145103472583443	66	0.116095000621651	0.907940770641096	0.000210550177557741	0.951183691386546
KICH	PRDM5	cg11171429	-0.0146895989022743	66	-0.117529472410734	0.90680856146462	0.000215784315909698	0.95074415060282
KICH	PRDM5	cg13155001	-0.165115911805318	66	-1.3393104437717	0.185206733811216	0.0272632643313016	0.363846881237146
KICH	PRDM5	cg18181323	0.127849492389887	66	1.03125888160796	0.306300928051288	0.0163454927043518	0.504752889273469
KICH	PRDM5	cg19294653	-0.0660740796608464	66	-0.529750289854638	0.598118081679263	0.00436578400302788	0.758744362758362
KICH	PRDM5	cg22135105	-0.220477181996808	66	-1.80831626289968	0.0752556777504572	0.0486101877812535	0.194376977818622
KICH	PRDM8	cg01304890	-0.0668309921463541	66	-0.535845922493237	0.593922474402446	0.00446638151126604	0.755715009347806
KICH	PRDM8	cg02895669	0.0181888202238006	66	0.145534637625406	0.884746165323878	0.000330833181133738	0.938891501980647
KICH	PRDM8	cg04343891	-0.0346883957246738	66	-0.277674276700992	0.782157432267339	0.00120328479795157	0.879752696906044
KICH	PRDM8	cg05007549	-0.0458430477341456	66	-0.3671303626089	0.714732948868099	0.00210158502555515	0.837794913499855

KICH	PRDM8	cg07462804	0.0141634565500375	66	0.113319019066379	0.910132357065197	0.000200603501444799	0.952329436097354
KICH	PRDM8	cg08074201	-0.0429422409370907	66	-0.343855114404845	0.732082412868633	0.00184403605669915	0.848668830773278
KICH	PRDM8	cg10695325	-0.0603911107640849	66	-0.484012309650832	0.63002926890431	0.00364708625931998	0.781723451228778
KICH	PRDM8	cg11571772	-0.129410215761282	66	-1.04406108583881	0.3003847649957	0.0167470039433814	0.498690377687861
KICH	PRDM8	cg12572049	-0.062974309783184	66	-0.504796424288404	0.615435612969088	0.00396576369266842	0.771180485403689
KICH	PRDM8	cg14489346	-0.0389315092430596	66	-0.311688370688799	0.756290484567722	0.00151566241194244	0.864062239597911
KICH	PRDM8	cg15656813	-0.0340939600984756	66	-0.272910342141788	0.785800817837932	0.00116239811519645	0.881825271560272
KICH	PRDM8	cg16117799	-0.0576521481627821	66	-0.461985591302716	0.645658286640469	0.00332377018778338	0.79224512225408
KICH	PRDM8	cg18624348	-0.0121350349669399	66	-0.0970874285011008	0.922960367261199	0.000147259073648853	0.959492981755369
KICH	PRDM8	cg19595012	-0.0427537094119637	66	-0.342342699033175	0.733214753950853	0.00182787966848264	0.84944985880434
KICH	PRDM8	cg20142271	-0.038785646259484	66	-0.310518818801469	0.75717546605161	0.00150432635576582	0.864603514062045
KICH	PRDM8	cg26162932	-0.0441657757317072	66	-0.353671312644165	0.724747662632531	0.00195061574598346	0.844065147638893
KICH	PRKAA1	cg00301775	-0.417365371839295	66	-3.67423851219767	0.000489433525516464	0.174193853610553	0.00368194484905017
KICH	PRKAA1	cg01883943	-0.146442144907316	66	-1.18430486977192	0.240672096259967	0.0214453018050554	0.43275806805769
KICH	PRKAA1	cg03125217	0.258450556967087	66	2.14032302848239	0.0361454500362324	0.0667966903965973	0.113596200253638
KICH	PRKAA1	cg05874655	0.305706432184464	66	2.56862213566684	0.0125534851990206	0.0934564226789542	0.0509354731952542
KICH	PRKAA1	cg06971720	0.110287390203854	66	0.887714411063083	0.378018443288918	0.0121633084379772	0.576618956416041
KICH	PRKAA1	cg10786880	-0.0170599289174528	66	-0.136499296242863	0.891855055943347	0.000291041174668541	0.942722001470544
KICH	PRKAA1	cg24728477	0.00665088333465048	66	0.0532082435035675	0.957731726620653	4.42342491311315e-05	0.977712796257746
KICH	PRKCD	cg02121118	-0.128394543799329	66	-1.03572890496962	0.304226317961257	0.0164851588774379	0.502825320376435
KICH	PRKCD	cg02559423	-0.226299164178435	66	-1.85860965030674	0.0676819928329199	0.0512113117078585	0.179904088237406
KICH	PRKCD	cg02630105	0.0498001160194197	66	0.398895876389515	0.691297791472167	0.0024800515554766	0.822582831989137
KICH	PRKCD	cg10531918	-0.575150240040738	66	-5.62461255464917	4.39302072232155e-07	0.330797798618919	8.21713522655163e-06
KICH	PRKCD	cg13469346	-0.189141510824558	66	-1.54094641547089	0.128260045588066	0.0357745111169965	0.283414761735542
KICH	PRKCD	cg13889007	-0.101400538470475	66	-0.815407175727367	0.417863549310078	0.0102820692021023	0.613245677140378
KICH	PRKCD	cg13908523	-0.0426806364394043	66	-0.341756511509914	0.733653790873168	0.00182163672687261	0.849718065257075
KICH	PRKCD	cg14727059	0.0184207986402729	66	0.147391398097609	0.883286445917973	0.000339325822545481	0.938041933760294
KICH	PRKCD	cg21903826	-0.159231716204311	66	-1.29031657263907	0.201583230354158	0.0253547394453703	0.384904011917404
KICH	PRMT1	cg07702240	0.180081221231138	66	1.464593316104	0.147927094697254	0.0324292462400982	0.312804526018374
KICH	PRMT1	cg08377944	0.133976829351866	66	1.0815655270469	0.283504186657676	0.0179497908031791	0.480761301293673
KICH	PRMT1	cg11787855	0.0433633231918784	66	0.347233203952542	0.729555405486834	0.0018803777982433	0.847077405030414
KICH	PRMT1	cg14258555	0.117408596448545	66	0.94581028580423	0.347802670678616	0.0137847785200172	0.547113700868934
KICH	PRMT1	cg14576628	-0.14882104631044	66	-1.20397566979897	0.233033082288694	0.0221477038310667	0.423792589559031
KICH	PRMT1	cg18880319	-0.438335702870248	66	-3.90147019270843	0.000232174368139647	0.192138188410755	0.00196718648793476
KICH	PRMT1	cg22292364	0.0405477791776328	66	0.324649224738465	0.746505354939318	0.00164412239623807	0.857631177927006
KICH	PRMT1	cg24228123	-0.0265028685174866	66	-0.212097450065533	0.832705046622488	0.000702402039655182	0.910232945375207
KICH	PRMT1	cg25595446	-0.53047811154368	66	-5.0062896468507	4.61827590855421e-06	0.281407026826949	6.64215485357859e-05
KICH	PRMT1	cg26846726	0.0841306162283104	66	0.675439541821164	0.501829768153232	0.00707796058695524	0.685628639842959
KICH	PRMT2	cg04493422	0.273732627789267	66	2.27682237024876	0.0261491723050193	0.0749295515164176	0.0891237112944872
KICH	PRMT2	cg06725035	-0.588406105679637	66	-5.82172814967104	2.03979858223557e-07	0.346221745201076	4.12380693623789e-06
KICH	PRMT2	cg09031657	-0.400556161909399	66	-3.49726780259629	0.000860152554090105	0.160445238843589	0.00592337587684045
KICH	PRMT2	cg10187059	-0.317942384022362	66	-2.68274670184821	0.00928150391226112	0.101087359557823	0.0402522753568091
KICH	PRMT2	cg10657630	0.00842064520109386	66	0.0673675500754746	0.946499123272865	7.0907265602705e-05	0.971477770939585
KICH	PRMT2	cg12162201	-0.217659745257323	66	-1.78405110395248	0.0791558120365165	0.0473757647054827	0.201446271034852
KICH	PRMT2	cg13271076	0.177319427601591	66	1.44139672712523	0.154347910609674	0.0314421794049557	0.321852235719006
KICH	PRMT2	cg17243659	-0.212007394546897	66	-1.73551067781032	0.087463266965457	0.0449471353425637	0.216402181486889
KICH	PRMT2	cg23283320	-0.298005904581539	66	-2.49752470266642	0.0150884171235747	0.0888075191654613	0.0586431927089999
KICH	PRMT3	cg01769160	-0.0480679418895945	66	-0.384988555556723	0.701522375896044	0.00231052703750143	0.829040408886651
KICH	PRMT3	cg04101203	-0.0328396438334208	66	-0.262858927983565	0.793503669666483	0.00107844220710594	0.886840720665407
KICH	PRMT3	cg06578097	-0.20125268578155	66	-1.64365165210187	0.105152370297648	0.0405026435342873	0.24692777997269
KICH	PRMT3	cg13432154	-0.188049639939255	66	-1.53172379937479	0.13051907834431	0.0353626670812834	0.286954589100081
KICH	PRMT3	cg13982511	0.0680020095648964	66	0.545278295353709	0.587457501659033	0.00462427330486426	0.751335875445259
KICH	PRMT3	cg19653624	-0.242205408487484	66	-1.99710714394371	0.0500693173536396	0.0586634599005888	0.144417799644397
KICH	PRMT3	cg23019633	-0.451952912644173	66	-4.05319943501622	0.00013931434518442	0.204261435247551	0.00127864796711618
KICH	PRMT3	cg23071995	-0.101914354449773	66	-0.819582255604269	0.415496070540758	0.010386535642914	0.611115127271567
KICH	PRMT6	cg00944433	-0.0731329398696358	66	-0.586634407841146	0.559512879077549	0.00534842689397576	0.730263393380071
KICH	PRMT6	cg02990361	-0.104409891156681	66	-0.839869561775389	0.404108084816666	0.01090142537135	0.600599590207434

KICH	PRMT6	cg02993280	0.00243162414496585	66	0.0194530506707718	0.984540210814631	5.91279598238091e-06	0.99189844047809
KICH	PRMT6	cg09367891	0.0780108525294759	66	0.625994532409977	0.533544774759786	0.00608569311237563	0.710607468030522
KICH	PRMT6	cg14671364	0.0506452932891487	66	0.405682957748132	0.68632867058277	0.00256494573234389	0.819440007970225
KICH	PRMT6	cg14828511	0.0633291697528818	66	0.507652371934313	0.613442231888755	0.00401058374158931	0.769910379897293
KICH	PRMT6	cg22528358	0.273375429907334	66	2.27361116672189	0.0263529162106185	0.0747341256770198	0.0896218038771083
KICH	PRMT7	cg00894222	-0.285865244602319	66	-2.38651149357754	0.0199763753057861	0.0817189380715434	0.0727411599203485
KICH	PRMT7	cg02477175	-0.29794327460995	66	-2.49694867456838	0.0151107171608364	0.0887701948852998	0.058714506308881
KICH	PRMT7	cg06089844	-0.197751842417815	66	-1.61388556602002	0.111472474037437	0.0391057911796404	0.257287928950256
KICH	PRMT7	cg06092312	-0.140454133827208	66	-1.13488295401795	0.260656957304622	0.0197273637091513	0.45585961369893
KICH	PRMT7	cg06745885	-0.371052942068156	66	-3.19662512743495	0.00216110478583467	0.137680285817434	0.0126425767565966
KICH	PRMT7	cg09175928	-0.257715585673559	66	-2.13380278959699	0.0366970303265425	0.0664173230990657	0.114867773597676
KICH	PRMT7	cg09779635	-0.226863574750347	66	-1.86349638386126	0.066981553649213	0.0514670815485065	0.178530269797748
KICH	PRMT7	cg10233539	0.34543804045993	66	2.94478041421073	0.00450083658583515	0.119327439796797	0.0227903153302261
KICH	PRMT7	cg10446007	-0.184227178167618	66	-1.49948304289145	0.138665370533226	0.0339396531756033	0.299282372524187
KICH	PRMT7	cg11893236	-0.107017922962069	66	-0.861088536298665	0.392403910707568	0.0114528358351153	0.58938619380202
KICH	PRMT7	cg19328639	0.131578316402276	66	1.06185856469281	0.292290479014345	0.0173128533472575	0.4899999035544
KICH	PRMT7	cg21918026	0.0439997681870008	66	0.352339371645714	0.725741403671153	0.0019359796005098	0.844640136979194
KICH	PRMT7	cg26492318	-0.156465618711891	66	-1.26733419059254	0.209627858640852	0.0244814898388947	0.395104134948416
KICH	PRMT7	cg26561196	0.206593714503362	66	1.68919094052944	0.0960494994203384	0.0426809628722968	0.231376564002781
KICH	PRMT7	cg26796563	0.218905140340155	66	1.79477124418973	0.0774124890327795	0.047919460467343	0.198309504921698
KICH	PRMT8	cg01693063	-0.0574332777909737	66	-0.46022589559528	0.646913934888073	0.00329858139781515	0.792960366978898
KICH	PRMT8	cg06029846	-0.0208357774272191	66	-0.166722412915312	0.868114103147091	0.000434129620996614	0.929965141011083
KICH	PRMT8	cg07912789	-0.0485563568642694	66	-0.388909595394266	0.698633945786177	0.00235771979193028	0.827130876970631
KICH	PRMT8	cg10350722	-0.439569794276626	66	-3.91508052039202	0.000221867319842973	0.193221604040395	0.00189378387973055
KICH	PRMT8	cg11596580	-0.160049040272281	66	-1.29711332674468	0.199248847626114	0.0256156952920781	0.38199816483482
KICH	PRMT8	cg19656577	-0.0868746133929307	66	-0.697634486108704	0.487932604722275	0.00754719845217118	0.674105898733144
KICH	PRMT8	cg21667836	-0.00339317086481373	66	-0.0271455231904231	0.978428133868406	1.15136085178207e-05	0.98883804712013
KICH	PRMT8	cg23739862	-0.278570066534803	66	-2.32041192953173	0.0235182377709705	0.0776012819692043	0.0823281190278036
KICH	PRMT8	cg24100636	-0.170437789163854	66	-1.38374871746696	0.171242667290269	0.0290490399750625	0.345380002052817
KICH	PRMT8	cg27316886	-0.248875053322599	66	-2.05568120289361	0.0438977298366718	0.0619387921663265	0.131163773041713
KICH	PWWP2E	cg00259755	-0.0327671736479392	66	-0.262278229448667	0.793949323902089	0.0010736876688742	0.887127726521969
KICH	PWWP2E	cg05010219	-0.00512918880790559	66	-0.0410340502405471	0.967396495271251	2.63085778271439e-05	0.982864738080195
KICH	PWWP2E	cg15012692	0.131042632647172	66	1.05745981863114	0.29427694134113	0.0171721715711017	0.492047035521899
KICH	PWWP2E	cg15278699	-0.113213700903388	66	-0.911570402584311	0.365415758812109	0.0128173420722419	0.56431074026857
KICH	PWWP2E	cg19919881	0.0906396457819493	66	0.728114262531566	0.469199326022586	0.00821554538747724	0.658111358359577
KICH	PWWP2E	cg22633292	-0.347633782611089	66	-2.96606240875108	0.00423623720218469	0.120849246812494	0.0217369459077077
KICH	PWWP2E	cg22664157	-0.0667043323114796	66	-0.534825830183983	0.594623640359045	0.0044494679491203	0.756171399968049
KICH	PWWP2E	cg24520806	-0.423778364691179	66	-3.74293937470713	0.000391618143626699	0.17958810238033	0.00305204787270041
KICH	PYGO1	cg06364757	0.0600507060906752	66	0.481274190816368	0.631963086482015	0.00360608730198866	0.78300714536019
KICH	PYGO1	cg09275667	-0.0511852235006408	66	-0.410019250538155	0.683161114117729	0.00261992710481056	0.817464748768317
KICH	PYGO1	cg11480800	-0.0874790487218704	66	-0.702525620362526	0.484898885309034	0.00765258396528338	0.671586240213601
KICH	PYGO1	cg12686317	-0.141612238483522	66	-1.14443125026722	0.256706964666506	0.0200540260883139	0.451030559515068
KICH	PYGO1	cg13878116	0.151296652748724	66	1.22446881350902	0.225263557078444	0.0228906771329681	0.41463546184366
KICH	PYGO1	cg17841803	-0.0920537691427156	66	-0.739570340930945	0.462264921183919	0.00847389641338038	0.651739710146428
KICH	PYGO1	cg19850348	-0.0100579410119165	66	-0.0804675983370023	0.936116466677214	0.000101162177399192	0.965919364994858
KICH	PYGO1	cg22510134	0.0908947210945151	66	0.730180345082564	0.46794438251317	0.00826185032284968	0.656944494851922
KICH	PYGO1	cg23030278	-0.0633049711757142	66	-0.507457613295496	0.613578075940333	0.00400751937555801	0.770031180868914
KICH	PYGO1	cg23412777	0.115924091213504	66	0.933687580633978	0.353974434560039	0.0134383949236768	0.55298305395766
KICH	PYGO1	cg25902187	0.049884075220448	66	0.399570060685268	0.690803577791264	0.00248842096059931	0.8222924234869065
KICH	PYGO2	cg01277844	0.239804779847555	66	1.97609856066172	0.0524574714895738	0.0575063324377341	0.149416979242088
KICH	PYGO2	cg02341811	-0.274213514343213	66	-2.28114714182344	0.025876977599154	0.0751930514484557	0.0884124864416034
KICH	PYGO2	cg04602755	0.00145354030004461	66	0.0116283346844164	0.990758313109492	2.11277940385378e-06	0.995004675970667
KICH	PYGO2	cg10892866	-0.0665121954481426	66	-0.533278448891511	0.595687979630888	0.00442387214333193	0.757007053987746
KICH	PYGO2	cg14024356	0.0120730326715632	66	0.0965913011121667	0.92335280324497	0.000145758117888632	0.959703537080243
KICH	PYGO2	cg18188585	-0.0738741059972446	66	-0.592612116045036	0.555528933150762	0.00545738353689213	0.726980635280677
KICH	PYGO2	cg24683561	-0.212405450074232	66	-1.73892300079982	0.0868566184094433	0.0451160752212372	0.215366984526813
KICH	PYGO2	cg27105205	0.0211586557349604	66	0.169307148571992	0.866089054623191	0.000447688712510573	0.928833460251601

KICH	RBBP4	cg05797186	-0.28257330436218	66	-2.35662942616445	0.0215139394539788	0.0798476870738161	0.077017198388857
KICH	RBBP4	cg06526778	-0.24048132477802	66	-1.98201528356555	0.0517752206520556	0.0578312675669915	0.148023708175361
KICH	RBBP4	cg09036220	-0.0864323623329352	66	-0.694056250764383	0.49015862265099	0.0074705532584518	0.676102041431628
KICH	RBBP4	cg11229946	-0.112435066740699	66	-0.905220469744576	0.368743810661522	0.0126416442329854	0.567505981969911
KICH	RBBP4	cg13641837	-0.123719661079931	66	-0.99742025893	0.322316844662742	0.0153065545377331	0.521762003739171
KICH	RBBP4	cg16148416	-0.14276093086099	66	-1.1539066812706	0.252829353058158	0.0203806833802965	0.446830993952617
KICH	RBBP4	cg16396527	-0.16464051898934	66	-1.33534677722164	0.186492988190603	0.0271065004930793	0.365473490768538
KICH	RBBP4	cg18758482	-0.323355137167809	66	-2.73370189431415	0.00808943926611295	0.104558544732813	0.0362359554481482
KICH	RBBP4	cg20740619	-0.0481267449848438	66	-0.385460617440887	0.701174397110048	0.00231618358283619	0.828807868368114
KICH	RBBP4	cg22358606	0.203718063273075	66	1.66465295034858	0.100870825980383	0.0415010493037326	0.23970995345546
KICH	RBBP4	cg22857567	-0.0819938505166821	66	-0.658166960663916	0.512791495907766	0.006722991522552	0.694633401811781
KICH	RBBP4	cg23016766	0.0331460407500837	66	0.265314111056662	0.791620215844614	0.00109866001740621	0.885669970353984
KICH	RBBP4	cg26131911	-0.0989423741741112	66	-0.795442096688024	0.429296706419728	0.00978959340720983	0.623396332659468
KICH	RBBP5	cg00960017	0.0279680015736305	66	0.223831571261991	0.823601341490696	0.000782209112022599	0.905058776260372
KICH	RBBP5	cg02189925	0.0672980077167121	66	0.53960739527147	0.591340357795543	0.00452902184263864	0.75400787524904
KICH	RBBP5	cg03143531	-0.088371897364744	66	-0.709752048143729	0.480435908234052	0.00780959224384484	0.667745141234186
KICH	RBBP5	cg05290904	-0.0831696856367261	66	-0.667670697011469	0.506744363154781	0.00691719660891185	0.68964102085707
KICH	RBBP5	cg07601985	0.0512584900073436	66	0.410607696913759	0.682731706453	0.00262743279783294	0.817114313412379
KICH	RBBP5	cg07972983	-0.193211861914058	66	-1.57537968007905	0.120099572023582	0.0373308235842971	0.270883016033242
KICH	RBBP5	cg14717946	-0.170350183938837	66	-1.3830162066585	0.171466120623974	0.0290191851679957	0.345642500720911
KICH	RBBP5	cg18131828	-0.356147130021021	66	-3.0491073398423	0.00333587925928521	0.12684077822221	0.0179270096087893
KICH	RBBP5	cg21214746	-0.114056270767447	66	-0.918443662109397	0.361835132239106	0.0130088329013773	0.56076264074365
KICH	RBBP5	cg23227967	0.00798135590775581	66	0.0638528810738965	0.949286390095378	6.37020421262686e-05	0.973118436185911
KICH	RBBP5	cg24103461	0.0472876550123288	66	0.378724914695033	0.706145638004844	0.00223612231656502	0.832432624605237
KICH	RBBP5	cg26795850	-0.232996555185966	66	-1.91672540076715	0.0597398951919323	0.0542873947285271	0.164149668217052
KICH	RBBP7	cg01947226	-0.0047732522637234	66	-0.0381864528323209	0.969657888517378	2.27839368165685e-05	0.984061878304425
KICH	RBBP7	cg03048084	-0.125225593923428	66	-1.00975323254098	0.316415972215566	0.0156814493734753	0.515664902954599
KICH	RBBP7	cg03171708	-0.107778927077685	66	-0.86728344201046	0.389026930440302	0.011616297122017	0.586666507042136
KICH	RBBP7	cg03811055	-0.0684760351279894	66	-0.549097142954825	0.58484956588219	0.00468896738684964	0.749415874030062
KICH	RBBP7	cg07096248	-0.122408532922866	66	-0.986688358338662	0.327511095066043	0.0149838489323284	0.52702301699345
KICH	RBBP7	cg08363715	-0.0444990470992931	66	-0.356345362965839	0.722754027947176	0.00198016519274511	0.842917863360672
KICH	RBBP7	cg14719055	-0.201821964209073	66	-1.64849813748515	0.104151431725432	0.0407321052372085	0.245228707011147
KICH	RBBP7	cg15289846	-0.0531933667352345	66	-0.426150264357709	0.671428232459996	0.00282953426462915	0.809713647531211
KICH	RBBP7	cg15464143	-0.0265171453388002	66	-0.212211785143556	0.832616228778205	0.000703158996919055	0.910212569932993
KICH	RBBP7	cg16978043	-0.0647096758222948	66	-0.518764668536764	0.605714028875641	0.00418734214502648	0.764292364724371
KICH	RBBP7	cg17878446	-0.128917332543471	66	-1.04001724645837	0.302245025741199	0.0166196786301239	0.500667536837742
KICH	RBBP7	cg17880859	0.037633172075909	66	0.30127879609535	0.764178617543779	0.00141625564049498	0.86905616136255
KICH	RBBP7	cg21122900	0.127073155795541	66	1.02489370333163	0.309271637853714	0.0161475869238379	0.507891450269809
KICH	RING1	cg01241018	-0.30240192649478	66	-2.53804541701589	0.0135922380318788	0.0914469251477544	0.054141000844119
KICH	RING1	cg01878788	-0.187871880701331	66	-1.53022289334794	0.130889689370693	0.0352958435582553	0.287525625314952
KICH	RING1	cg02475416	-0.0369960734598245	66	-0.296171343339187	0.768058164652553	0.00136870945144473	0.871477601926643
KICH	RING1	cg03037740	-0.0768374750736413	66	-0.616522468407728	0.539736658560876	0.00590399757569245	0.715049674239613
KICH	RING1	cg06316695	-0.0717434167861175	66	-0.575430148199241	0.567018160759649	0.00514711785214656	0.735823508992298
KICH	RING1	cg06671577	-0.119914360993903	66	-0.966287386389364	0.337537707288761	0.014379453972576	0.537022828241513
KICH	RING1	cg07946923	0.0342726481604839	66	0.274342355868603	0.784705126272289	0.00117461441193232	0.881074244472231
KICH	RING1	cg08892712	-0.208769918032772	66	-1.70779088299883	0.09252206220423	0.0435848786754103	0.225307121615096
KICH	RING1	cg09478665	-0.137017429917014	66	-1.10657595929133	0.272619367782032	0.0187737761010638	0.468997122272718
KICH	RING1	cg09724776	-0.0931118483041765	66	-0.748144986223863	0.45711318587396	0.00866981629461997	0.647346097644019
KICH	RING1	cg09832551	-0.305020540009433	66	-2.56226718366606	0.0127632601585662	0.0930375298276461	0.0516261539455883
KICH	RING1	cg09869033	-0.129487829423452	66	-1.04469793546939	0.300092512711986	0.016767097968797	0.498364719791568
KICH	RING1	cg10265934	-0.05222729483961	66	-0.418389366680048	0.677063110151977	0.00272769032626355	0.813469813770889
KICH	RING1	cg12065531	-0.114893457097008	66	-0.925274994221638	0.358298727808746	0.013200506483702	0.557280349304309
KICH	RING1	cg12115664	-0.256766346509577	66	-2.1253875592828	0.0374197556629585	0.065928956699876	0.116613887435172
KICH	RING1	cg12256228	0.0461783641101664	66	0.3698821434569713	0.712736506148152	0.0021324413118911	0.836513491533113
KICH	RING1	cg14046664	-0.262661368690405	66	-2.17775615100152	0.0331167092687145	0.0689909946023167	0.106264695629862
KICH	RING1	cg14363494	-0.210947820415946	66	-1.72643190226609	0.0890943627821016	0.0444989829382382	0.219266272011098
KICH	RING1	cg18189601	-0.377926316492216	66	-3.26560167176315	0.00175680774560784	0.142828300697375	0.0106964938375062

KICH	RING1	cg20505183	0.0104653961655769	66	0.083727754571103	0.933534233136182	0.000109524516902471	0.964633027821854
KICH	RING1	cg24536938	-0.270258577724495	66	-2.24563364452108	0.0281882472153342	0.0730396988336667	0.0942686142150161
KICH	RING1	cg24550302	-0.345657986132987	66	-2.94690972929147	0.00447368868840335	0.119479443377512	0.0226919304835137
KICH	RNF17	cg00202166	-0.986564668745172	66	-48.3103298034869	4.42672565945872e-52	0.97330984561627	2.84051950338423e-49
KICH	RNF17	cg01405147	-0.291904120423593	66	-2.4415691961955	0.0173984762024767	0.0852080155202713	0.0654147724950688
KICH	RNF17	cg07131398	-0.537049661285752	66	-5.09322991382802	3.33639200219826e-06	0.288422338687141	4.96939076046356e-05
KICH	RNF17	cg12020676	-0.388618888597007	66	-3.37416525985371	0.00126153003178242	0.151024640574373	0.00814570611657383
KICH	RNF17	cg14855529	-0.35052471204901	66	-2.99416717543084	0.00390890982404631	0.122867573757042	0.0203909160364688
KICH	RNF17	cg15523998	-0.927821478341772	66	-19.8983474647636	4.16701787736892e-29	0.860852695672312	1.10261560800013e-26
KICH	RNF17	cg17806989	-0.992640797735772	66	-65.5771033312542	2.09206859015642e-60	0.98533575332951	1.84943618071169e-57
KICH	RNF17	cg20477497	-0.525950367716376	66	-4.94712220966682	5.75518347363824e-06	0.276623789300991	8.05974335100295e-05
KICH	RNF17	cg21831927	-0.766985812129189	66	-9.56245938289653	5.96440158236089e-14	0.588267236007471	4.04881899387594e-12
KICH	RNF17	cg23678722	-0.390042182216491	66	-3.38873551163794	0.00120611602662334	0.152132903908202	0.00785150140052636
KICH	RNF17	cg24753530	-0.480174488381736	66	-4.37929112622708	4.50248045806672e-05	0.230567539292662	0.000484864292296293
KICH	RNF20	cg04845236	-0.0555140380485021	66	-0.444798224721745	0.657966251294992	0.00308180842045054	0.800928479134825
KICH	RNF20	cg14625770	-0.0285830599768766	66	-0.228757945536757	0.819786456461005	0.000816991317641725	0.902988525386224
KICH	RNF20	cg21219529	0.194582320689746	66	1.58699202738248	0.11744324569681	0.0378622795250071	0.266841317086878
KICH	RNF217	cg00991794	0.0138858697746711	66	0.11109766949447	0.911886576838271	0.000192817379399126	0.953203412412411
KICH	RNF217	cg02312409	-0.0408765705391531	66	-0.327286108827847	0.744519623337963	0.00167089401904236	0.856483814331392
KICH	RNF217	cg03113502	-0.355668555004415	66	-3.04441626071159	0.00338156804796299	0.126500121018928	0.0181312085411285
KICH	RNF217	cg06993703	-0.0831132436844828	66	-0.667214438748228	0.507033796534587	0.00690781127575622	0.689897281414833
KICH	RNF217	cg07439975	0.179260764640971	66	1.45769850797542	0.149813383080391	0.0321344217396656	0.315372272313784
KICH	RNF217	cg10621825	0.136140173871814	66	1.09935686000107	0.275730727110034	0.0185341469418476	0.472171320935307
KICH	RNF217	cg16203203	0.0431565270986276	66	0.3455741802792	0.730796077978658	0.00186248583121458	0.847859903214945
KICH	RNF217	cg17382198	-0.177652097852728	66	-1.44418898373148	0.153563723870104	0.0315602678714751	0.320827595196876
KICH	RNF217	cg18192252	-0.0854130087950334	66	-0.685810273642469	0.495309660903178	0.00729538207142045	0.680159297896487
KICH	RNF217	cg19171596	-0.203755222790599	66	-1.66496974492383	0.100807345780727	0.0415161908144468	0.239603014288599
KICH	RNF217	cg19478500	0.0039691856993431	66	0.0317537357268146	0.974767262158593	1.57544351158698e-05	0.986779502028258
KICH	RNF217	cg20034100	0.177065592419905	66	1.43926651321327	0.154948258605899	0.0313522240190121	0.322694173876599
KICH	RNF217	cg23521835	0.0653452726062356	66	0.523881866397492	0.602170267382701	0.00427000465198325	0.761612252205131
KICH	RNF217	cg24822696	0.0559241644208066	66	0.448094574712114	0.65559821527687	0.00312751216616541	0.799187706308326
KICH	RPH3A	cg00851732	-0.0991595951183471	66	-0.797205755631104	0.428279298709244	0.00983262530403452	0.622513775224433
KICH	RPH3A	cg00854817	0.0148786787142969	66	0.119042606977033	0.905614474907933	0.00021375080283271	0.949957684244722
KICH	RPH3A	cg01119407	-0.0731913146638282	66	-0.587105180991206	0.559198610176502	0.00535696854221951	0.730075801028275
KICH	RPH3A	cg01573562	-0.131223598277093	66	-1.05894570515694	0.293604885152264	0.0172196327447879	0.491366888295655
KICH	RPH3A	cg05967001	-0.0264380997337205	66	-0.211578754726384	0.833108007285562	0.00069897311753015	0.910498781825767
KICH	RPH3A	cg08254200	0.151259361205121	66	1.22415993915466	0.225379237434902	0.0228793943521811	0.414776320465155
KICH	RPH3A	cg09384610	0.0334228934323713	66	0.26753261819389	0.789919393953487	0.00111708980539165	0.884454142017266
KICH	RPH3A	cg11596863	-0.0142495771797161	66	-0.114008192732759	0.909588201129165	0.000203050449800687	0.951990535573495
KICH	RPH3A	cg16403344	-0.0980119463869647	66	-0.787889069275546	0.43367008070057	0.00960634163456125	0.627197067447855
KICH	RPH3A	cg17453780	0.0165888163012806	66	0.132728794407416	0.894824305759333	0.000275188826277632	0.944147050620392
KICH	RPH3A	cg18629535	-0.0876500970527786	66	-0.703909897487365	0.484042191928935	0.0076825395133615	0.670769757122985
KICH	RPH3A	cg19712198	-0.0602028636254181	66	-0.482498082068776	0.631098384224214	0.00362438478870069	0.782297294479855
KICH	RPH3A	cg20704159	0.0425825072121263	66	0.340969332677752	0.734243504530446	0.00181326992047079	0.850179882696826
KICH	RPH3A	cg21900624	-0.0185232715490502	66	-0.148211601132791	0.88264176014343	0.000343111588879854	0.937680628107672
KICH	RPH3A	cg23199238	-0.0843733487637524	66	-0.677402263252153	0.500592242580153	0.0071188619816098	0.684460646078467
KICH	RPH3A	cg23549179	0.160949968368915	66	1.30460849342138	0.196698098561462	0.0259048923179549	0.378845086268979
KICH	RPH3A	cg23596620	0.0587515043704342	66	0.470825320505608	0.639366298790844	0.00345173926578914	0.788094501622618
KICH	RTF1	cg04910470	-0.361223979195557	66	-3.09904199661109	0.00288394208688666	0.130482763145872	0.0159496429627366
KICH	RTF1	cg07091958	-0.0373831331186504	66	-0.299274255743677	0.765700521252978	0.00139749864176674	0.870077753440124
KICH	RTF1	cg07129439	-0.00400405474888101	66	-0.0320326947734369	0.974545667243887	1.60324544320365e-05	0.986676514415867
KICH	RTF1	cg15581235	0.265864129383461	66	2.20631726677017	0.0309576517961391	0.070683735292826	0.101003169091966
KICH	RTF1	cg18782716	0.194928329505231	66	1.58992539777533	0.116779757904209	0.0379970536436999	0.265768495638184
KICH	RTF1	cg22263512	0.356449217813523	66	3.05206987351358	0.00330732274465435	0.127056044879872	0.0177993680800858
KICH	RTF1	cg24280607	-0.318753667466158	66	-2.69036527263937	0.00909362117542837	0.101603900523126	0.0396474340481575
KICH	RTF1	cg27576415	0.049616169801713	66	0.397418835595654	0.692381012993781	0.00246176430579241	0.823377143731792
KICH	SATB1	cg01069104	-0.194314885865785	66	-1.58472520826286	0.117958040443247	0.0377582748690332	0.267581145338601

KICH	SATB1	cg01373248	-0.287959307831499	66	-2.40556795667208	0.0190478452827396	0.082920562966796	0.0700684734218577
KICH	SATB1	cg04004754	-0.157695570185007	66	-1.27754954798718	0.206023217273004	0.0248678928559744	0.3904448382308
KICH	SATB1	cg14415616	-0.101112815941676	66	-0.81306953635593	0.419192652388289	0.0102238015476553	0.614576781875817
KICH	SATB1	cg19818826	-0.357386168985334	66	-3.06126540722272	0.00322012978384247	0.127724873782014	0.0174557017911115
KICH	SATB1	cg26131754	-0.0180434621525713	66	-0.144371200348793	0.885661022990774	0.000325566526451273	0.939429776808552
KICH	SATB1	cg26768584	-0.147765779681836	66	-1.19524720330368	0.236400721685226	0.021834725644981	0.427737126242132
KICH	SCML2	cg00457389	-0.0652823857600012	66	-0.52337553515025	0.602520485255234	0.0042617898905176	0.761832048726484
KICH	SCML2	cg04189389	0.0207719902084367	66	0.166211783698965	0.868514268231151	0.000431475577219391	0.930191508410108
KICH	SCML2	cg05049545	-0.0962917419243133	66	-0.773930270464002	0.441821576774874	0.00927209956281855	0.634322652699085
KICH	SCML2	cg06131666	-0.123740579820542	66	-0.997591526708045	0.322234399294457	0.0153117310943239	0.521661107477275
KICH	SCML2	cg08300622	-0.155031071886163	66	-1.25542719910086	0.213888164433651	0.0240346332501726	0.400462475666702
KICH	SCML2	cg17710066	-0.123971267022594	66	-0.99948031916501	0.321326101285543	0.0153688750471874	0.52078130536016
KICH	SCML2	cg17727916	-0.0381624260397037	66	-0.305521966007887	0.760960163885253	0.00145637076123586	0.867000127764927
KICH	SCML2	cg22823767	-0.114095353614213	66	-0.918762528848395	0.361669566572724	0.0130177497163524	0.560573056164621
KICH	SCML2	cg26246138	-0.060723079350648	66	-0.486682734223785	0.6281457571832	0.0036872923658251	0.780357250627752
KICH	SCML4	cg00977377	0.18719422864254	66	1.52450258199659	0.132309840938805	0.0350416792370756	0.289623205986564
KICH	SCML4	cg03500965	-0.129064783055474	66	-1.04122691559294	0.301687728966032	0.0166577182251565	0.50009578493892
KICH	SCML4	cg05603896	-0.0418878220473744	66	-0.335396947564893	0.738422617367648	0.0017545896358725	0.852702308150736
KICH	SCML4	cg08792995	-0.0167071349393577	66	-0.133675737161423	0.894078449894033	0.000279128357881907	0.943859344167625
KICH	SCML4	cg17388996	-0.0814171061046997	66	-0.653506413930459	0.515770962550911	0.00662874516646393	0.69700667513264
KICH	SCML4	cg23503775	-0.0932685734549489	66	-0.749415299344992	0.456352785561741	0.0086990267943212	0.646587050595382
KICH	SCML4	cg27353361	-0.0949100875106224	66	-0.762723750369067	0.448430331542083	0.009007924711274	0.639766527508524
KICH	SCML4	cg27659622	0.041102621214231	66	0.329099081411004	0.743155353265417	0.00168942547068055	0.855605325839317
KICH	SETD1A	cg26692825	0.129516754948362	66	1.04493528540222	0.299983641738469	0.0167745898123541	0.498269011559536
KICH	SETD6	cg01152986	-0.336149521524112	66	-2.85535307388314	0.00578883478814191	0.11299650082089	0.0278828935365433
KICH	SETD6	cg01472538	-0.273714593326018	66	-2.27666021630319	0.0261594271182848	0.0749196785996274	0.0891508508888529
KICH	SETD6	cg01773760	-0.190597034671561	66	-1.55324989419544	0.125294934110359	0.0363272296255924	0.278873715500722
KICH	SETD6	cg02549819	-0.225092951613122	66	-1.84817272557762	0.0691986358534972	0.0506668368659075	0.182823530893343
KICH	SETD6	cg05502081	-0.23950480396692	66	-1.97347610010082	0.0527623165453063	0.0573625511232326	0.150010659064599
KICH	SETD6	cg09132913	-0.240687419846723	66	-1.98381829647587	0.0515688336655453	0.0579304340724727	0.147604615555298
KICH	SETD6	cg19824325	-0.146890653490745	66	-1.18801190623921	0.239218852662129	0.0215768640829381	0.431055661802899
KICH	SETD6	cg26666090	-0.236848404558171	66	-1.95027927537473	0.0555253923675988	0.056097166741751	0.155614322856293
KICH	SETD7	cg05316864	-0.0183239920183403	66	-0.146616552836736	0.883895552836215	0.000335768683488198	0.938458198159443
KICH	SETDB1	cg02060408	-0.340906602855625	66	-2.9010329051975	0.0050935315207377	0.116217311870563	0.0251552940023025
KICH	SETDB1	cg08531528	-0.290786046306541	66	-2.43135168758276	0.017853047386645	0.0845565247265898	0.0667241343339254
KICH	SETDB1	cg10589385	0.072285333015427	66	0.579799423142115	0.564085490892787	0.00522516936915118	0.733827069941469
KICH	SETDB1	cg10961700	-0.363797803523449	66	-3.12447809451683	0.00267636616274947	0.132348841848486	0.0150372114159275
KICH	SETDB1	cg12082615	-0.131937552725206	66	-1.064808949619	0.290963269735485	0.0174075178191164	0.488522394047618
KICH	SETDB1	cg15448220	-0.0833186254856718	66	-0.668874709064283	0.505981009397479	0.00694199335282163	0.689065397729358
KICH	SETDB1	cg16370685	-0.380505876093641	66	-3.29164983969847	0.00162354337040142	0.144784721741789	0.010035902679056
KICH	SETDB1	cg17899625	-0.189319970932599	66	-1.5424543623392	0.127893658405012	0.0358420513939201	0.282845100692503
KICH	SETDB1	cg17918089	0.174684341284469	66	1.41929715171525	0.160664711692922	0.030514619089989	0.330611045666954
KICH	SETDB1	cg19689029	-0.42189707567412	66	-3.72271542249745	0.00041828059761326	0.177997142462374	0.00322303098362975
KICH	SETDB1	cg26820223	-0.240354247808982	66	-1.98090369856377	0.0519028135430058	0.0577701644398215	0.14827098639899
KICH	SETMAR	cg00300090	0.00496494644822106	66	0.0397200611523069	0.968439955381136	2.46506932337029e-05	0.983432773194968
KICH	SETMAR	cg02520519	-0.18898327635067	66	-1.53960950301709	0.128585574394411	0.0357146787402339	0.28393194245083
KICH	SETMAR	cg06021447	-0.0773226087842238	66	-0.620438384968754	0.537172366772469	0.00597878582919812	0.713131403278169
KICH	SETMAR	cg06267913	-0.231621513885141	66	-1.90477047796371	0.0613057185099488	0.0536485256944448	0.167240301765591
KICH	SETMAR	cg14751177	-0.228262947486203	66	-1.87562086974184	0.0652700286012715	0.0521039731950891	0.17513854183938
KICH	SETMAR	cg14961031	-0.195264581085662	66	-1.59277664011532	0.116137737374324	0.0381282566265592	0.264702306964086
KICH	SETMAR	cg15232450	-0.11383755346879	66	-0.91665928449156	0.362762534468308	0.0129589885797596	0.561752266385883
KICH	SETMAR	cg15384599	-0.0147698507976303	66	-0.118171696572811	0.906301725290697	0.00021814849258426	0.950392079494029
KICH	SETMAR	cg16423812	-0.397048182352951	66	-3.46087730156609	0.000964035746410436	0.157647259109783	0.00651234776452357
KICH	SETMAR	cg21901604	-0.110164765577282	66	-0.886715260264588	0.378552190186485	0.0121362755746974	0.577161513863425
KICH	SETMAR	cg22149154	-0.309727588424087	66	-2.60596832212366	0.0113826096300707	0.0959311790310006	0.0471787912814597
KICH	SETMAR	cg23182840	-0.185972768639788	66	-1.51419747721522	0.134899035554198	0.0345858706755481	0.293580696354929
KICH	SETMAR	cg23549342	-0.241036682527746	66	-1.98687445496235	0.0512206113623061	0.0580986823239815	0.146827665521964

KICH	SETMAR	cg24390964	-0.357257271596876	66	-3.05999974016946	0.00323200241571585	0.127632758108844	0.017501538784074
KICH	SETMAR	cg26797270	-0.415010211150891	66	-3.64917625121132	0.000530610635138185	0.172233475359507	0.00394178034281322
KICH	SETMAR	cg27265118	-0.0693582039487495	66	-0.556205073464127	0.580010201408473	0.00481056045499632	0.745928649326338
KICH	SFMBT2	cg09060610	-0.239209036819289	66	-1.97089102029648	0.0530642982369336	0.057220963296012	0.15066000622044
KICH	SFMBT2	cg12328063	-0.347584588247333	66	-2.96558499201975	0.00424201117628761	0.120815045987068	0.0217623491999618
KICH	SFMBT2	cg20299663	-0.327791570648482	66	-2.77568921244174	0.00721443194164426	0.107447313788199	0.0331917628758811
KICH	SFMBT2	cg25291138	-0.270606423854483	66	-2.24875218626152	0.0279782320377131	0.073227836631312	0.0937435861461735
KICH	SHPRH	cg00571935	-0.169539245428467	66	-1.37623714762896	0.173544693741929	0.0287435557404541	0.348514014790635
KICH	SHPRH	cg02758840	-0.116871983878313	66	-0.9414274850632	0.350025858954581	0.0136590606156526	0.549045501996425
KICH	SHPRH	cg06708562	-0.0052579968602502	66	-0.0420645563555508	0.966578193486826	2.76465309824009e-05	0.982427050054405
KICH	SHPRH	cg11387577	-0.0498528961840376	66	-0.39931969503616	0.690987093669564	0.00248531125793643	0.822433490654255
KICH	SHPRH	cg11675148	-0.0725599718049395	66	-0.582013933408084	0.562601965526298	0.00526494950833362	0.73274832255404
KICH	SHPRH	cg12989205	-0.116002053591179	66	-0.934324075224995	0.353648638466539	0.0134564764373707	0.552686686941548
KICH	SHPRH	cg14102550	-0.158520657586766	66	-1.28440572218285	0.203629888787582	0.0251287988817409	0.387495011578512
KICH	SHPRH	cg15443174	0.0462922088075019	66	0.370735120365119	0.712059121282319	0.00214296859627735	0.836134751411876
KICH	SHPRH	cg16339435	-0.192024738755501	66	-1.56532854051635	0.122437456633657	0.0368735002941185	0.27447696102123
KICH	SHPRH	cg18099523	0.0952532803129521	66	0.765506949781176	0.446783669506206	0.00907318741037782	0.638523949741714
KICH	SHPRH	cg26814539	0.0351133873278633	66	0.281080431121468	0.779555447457098	0.00123294996963655	0.878158335328885
KICH	SHPRH	cg27398948	-0.159007016069837	66	-1.28844847507589	0.202228401451015	0.0252832311594336	0.385730320049171
KICH	SIN3A	cg01088093	-0.14303682287458	66	-1.15618318997571	0.251903997198565	0.0204595326980541	0.445707121904563
KICH	SIN3A	cg01664094	0.216319219677268	66	1.77252231764299	0.0810669848322733	0.0467940048017822	0.20486175637874
KICH	SIN3A	cg02028562	-0.120029000105899	66	-0.967224661894091	0.337072677433701	0.0144069608664219	0.536659212670233
KICH	SIN3A	cg07544511	-0.0249141049262073	66	-0.199374726219393	0.842601717655005	0.000620712624274067	0.915826389795924
KICH	SIN3A	cg10483776	0.346547808782921	66	2.9555298235998	0.00436533039021094	0.120095383772244	0.0222700840957486
KICH	SIN3A	cg11184237	-0.454033850004083	66	-4.07669388844079	0.000128608425805349	0.20614673694953	0.00119476521102237
KICH	SIN3A	cg15851274	-0.100752075678441	66	-0.810138945985735	0.42086247791232	0.0101509807535144	0.61596853623899
KICH	SIN3A	cg22059910	0.291022006500797	66	2.43350709947511	0.0177562773451232	0.0846938082677501	0.066458111275687
KICH	SIN3A	cg25697800	-0.208815427194531	66	-1.70818013033067	0.09244939504281	0.0436038826344346	0.225165406153857
KICH	SIN3B	cg06815056	-0.106129203835663	66	-0.853855911681059	0.396369517793847	0.0112634079067917	0.592995447359652
KICH	SIRT1	cg02720207	-0.441069650053921	66	-3.9316588761366	0.00020990566020663	0.194542436198688	0.00180794961582314
KICH	SIRT1	cg03211233	-0.337023632973534	66	-2.86372807450509	0.00565513560692695	0.113584929182679	0.0273693927712626
KICH	SIRT1	cg07832903	-0.163220211882398	66	-1.32351041623708	0.190374226961201	0.026640837566935	0.370601386622783
KICH	SIRT1	cg10582690	-0.177216173789373	66	-1.44053017350274	0.154591908649038	0.0314055722525451	0.322171045070675
KICH	SIRT1	cg10705386	-0.334622709790958	66	-2.84074438267452	0.0060290513017627	0.111972357907843	0.0287780106129174
KICH	SIRT1	cg19192316	0.141873743861306	66	1.14658796172768	0.255820683746358	0.0201281591972235	0.450100639989807
KICH	SIRT1	cg19681528	0.074650966673234	66	0.598878770586099	0.551367693677951	0.0055727668252483	0.723836416382304
KICH	SIRT1	cg19980381	0.0318378585125214	66	0.254832056005546	0.799669906825856	0.00101364923466333	0.890577652092404
KICH	SIRT1	cg25513531	-0.311805302102754	66	-2.62532534183931	0.0108155980388009	0.0972225464193894	0.0453261129036512
KICH	SIRT4	cg04118464	-0.192972298060361	66	-1.57335076266323	0.120568591852595	0.037238307818697	0.271525847431991
KICH	SIRT4	cg07106325	0.0791837582675483	66	0.635465404297594	0.527390613529888	0.00627006757337353	0.706006996411403
KICH	SIRT4	cg08264848	-0.117459820700197	66	-0.946228705414638	0.347590907764425	0.0137968094789225	0.546880110802421
KICH	SIRT4	cg12124973	-0.18024190562605	66	-1.46594401665811	0.147559753721454	0.0324871445437099	0.312309921672837
KICH	SIRT4	cg20010714	0.130234491092401	66	1.05082557805821	0.29729043492648	0.0169610226700966	0.495350341508076
KICH	SIRT4	cg21068152	0.158758508250673	66	1.28638268591537	0.202943639949615	0.025204263941979	0.386740405849532
KICH	SIRT4	cg21123573	-0.207644707530845	66	-1.6981704541403	0.0943330324825745	0.0431163245655704	0.228408725106583
KICH	SIRT5	cg01064902	-0.129374078932201	66	-1.04376457606541	0.300520900484463	0.0167376522995554	0.498812949023455
KICH	SIRT5	cg02206980	-0.118186677694533	66	-0.95216678306987	0.344594687990926	0.0139680907844714	0.543837850355347
KICH	SIRT5	cg02712746	0.0204521105323422	66	0.163651114554877	0.870521507179703	0.000418288825227142	0.93126169045019
KICH	SIRT5	cg06139021	0.00565664587212799	66	0.045253890991729	0.964045846583317	3.19976425226626e-05	0.981109386181533
KICH	SIRT5	cg07534331	-0.174674912787977	66	-1.41921813491717	0.160687650887958	0.0305113251574875	0.330623267295559
KICH	SIRT5	cg07909422	-0.0521810388223343	66	-0.418017800647641	0.677333357270981	0.00272286081257796	0.813564059760622
KICH	SIRT5	cg08619119	-0.0889850450870756	66	-0.714715664768648	0.477383744977126	0.00791833824914887	0.665083383598391
KICH	SIRT5	cg10907941	-0.0271002551723568	66	-0.216881697550418	0.828990426320866	0.000734423830406851	0.908060845187348
KICH	SIRT5	cg11824369	0.0921227923767259	66	0.740129626016425	0.461927888992241	0.00848660887528534	0.651452512625592
KICH	SIRT5	cg19366958	-0.425530925399924	66	-3.76183260292765	0.000368184354771404	0.181076568471716	0.00289992241521581
KICH	SIRT5	cg20150972	-0.17679313350817	66	-1.43698033674905	0.155594578403936	0.0312558120556375	0.323671006560841
KICH	SIRT7	cg11691214	-0.234855559106713	66	-1.93290734908004	0.0576746162787349	0.0551571336433268	0.159931528379478

KICH	SIRT7	cg12710567	-0.360661464259707	66	-3.09349376438361	0.00293117444072468	0.130076691801956	0.0161641585341842
KICH	SIRT7	cg17552093	-0.169178331693858	66	-1.37322100748374	0.174475664825101	0.028621307914717	0.349841741053764
KICH	SIRT7	cg20397086	-0.318898489796324	65	-2.6706140543445	0.00962167283534075	0.101696246794376	0.0413380690645882
KICH	SMARCA	cg03460558	0.0161786908414368	66	0.129446469149303	0.897410349353541	0.00026175003734279	0.945721223484277
KICH	SMARCA	cg06675660	-0.0449988815752968	66	-0.360356079876584	0.719767455338116	0.00202489934302759	0.84100803364714
KICH	SMARCA	cg08617833	-0.0615437058197293	66	-0.493284722272975	0.623499869663859	0.00378762772602539	0.776927085709719
KICH	SMARCA	cg12935118	-0.0424638366052326	66	-0.340017386997427	0.734956867343861	0.00180317741923589	0.850581450752738
KICH	SMARCA	cg17420696	0.0665345282848962	66	0.533458304149501	0.595564223659073	0.00442684345409365	0.756899353318531
KICH	SMARCA	cg18959966	-0.018093772423311	66	-0.14477387969581	0.885344362256416	0.000327384600506569	0.939227329742886
KICH	SMARCA	cg24447042	-0.174798798755973	66	-1.42025641025832	0.160386433408089	0.0305546200465311	0.330248066502974
KICH	SMARCA	cg26010110	0.0432691171264668	66	0.346477429342372	0.73012050896812	0.0018722164969039	0.847406852473321
KICH	SMARCA	cg27353825	-0.0612495397355065	66	-0.490918024128405	0.625163590330749	0.00375150611781138	0.778118721739949
KICH	SMARCA	cg04518912	-0.0197258019318645	66	-0.1578371262286656	0.875082085346983	0.000389107261855149	0.933880369017354
KICH	SMARCA	cg13529335	0.208697075279413	66	1.70716787111253	0.0926384677087443	0.0435544692301808	0.225505881373492
KICH	SMARCA	cg14290704	-0.328346651583334	66	-2.78095700185438	0.00711101394435258	0.107811523605987	0.0328068729865603
KICH	SMARCA	cg21210735	-0.308256191884318	66	-2.59228505625511	0.0117995757951781	0.0950218798350216	0.0485311386997418
KICH	SMARCA	cg08405378	-0.180896482679418	66	-1.47144759549201	0.146070356034949	0.0327235374457849	0.310094072244039
KICH	SMARCA	cg17218495	-0.107938302861921	66	-0.868581025423497	0.388321888803882	0.0116506772247119	0.586082771225989
KICH	SMARCA	cg17747332	-0.125330843406174	66	-1.0106154467537	0.316006165487543	0.0157078203089028	0.515223700338221
KICH	SMARCA	cg18522266	-0.00806217179655748	66	-0.064499470594622	0.948773571177037	6.4998614077207e-05	0.972797547419234
KICH	SMARCA	cg23892580	0.226183121662295	66	1.85760518521174	0.0678267292607923	0.0511588045249005	0.180204028782178
KICH	SMARCA	cg01278696	-0.217571253132977	66	-1.78328972827424	0.0792808612261567	0.0473372501898539	0.201686570249432
KICH	SMARCA	cg01575392	-0.127825823233599	66	-1.03106478994507	0.306391226028859	0.0163394410853472	0.504826835490608
KICH	SMARCA	cg02782292	0.0945715294764236	66	0.759978406550194	0.450058047003968	0.00894377418751005	0.641055605101657
KICH	SMARCA	cg05358385	-0.0458084538382484	66	-0.366852737381733	0.714939026491259	0.00209841444305093	0.837872350510109
KICH	SMARCA	cg10878459	-0.0646826830816624	66	-0.518547363715141	0.605864728149674	0.00418384949064277	0.764420523884585
KICH	SMARCA	cg12253543	0.234112566623475	66	1.92643719144483	0.0584929890244663	0.0548086938510311	0.161659925684572
KICH	SMARCA	cg13848802	-0.0783986514573062	66	-0.629125604303595	0.531506104190018	0.00614634855032418	0.709167067478917
KICH	SMARCA	cg13898584	-0.00620542474299354	66	-0.0496443537880691	0.960560410716147	3.85072962409564e-05	0.979278920561049
KICH	SMARCA	cg16091845	0.129761971259022	66	1.04694752993821	0.299061720485789	0.0168381691850273	0.49734298474682
KICH	SMARCA	cg16587443	0.12877544815107	66	1.03885330743422	0.302781916020697	0.0165831160465088	0.501140725392836
KICH	SMARCA	cg19993723	0.0124427570247144	66	0.0995497627527712	0.921012950682443	0.00015482220237608	0.95859575999933
KICH	SMARCA	cg20045045	0.00887837476877757	66	0.0710297976864177	0.943595534427489	7.88255385348662e-05	0.969889291210307
KICH	SMARCA	cg22077701	0.04808397954851	66	0.385117302930355	0.701427463856045	0.00231206908922153	0.828955855182104
KICH	SMARCA	cg24607315	-0.049508688299147	66	-0.396555805562552	0.693014234118278	0.0024511102171021	0.823806202787117
KICH	SMARCB	cg01745726	-0.0894750800889979	66	-0.718683235180183	0.474951887538797	0.00800578995693259	0.662763585700069
KICH	SMARCB	cg01912455	0.0601731177082261	66	0.482258815762293	0.63126738979179	0.00362080409472803	0.782436035330166
KICH	SMARCB	cg03979008	0.194230372252152	66	1.5840089341343	0.118121082564625	0.0377254375052097	0.267830196011006
KICH	SMARCB	cg10122452	-0.0813891127492853	66	-0.653280222541374	0.515915799293018	0.00662418767411588	0.697044993664375
KICH	SMARCB	cg16142952	0.0517209478354286	66	0.41432212131778	0.680023605434017	0.00267505644499512	0.815353704941768
KICH	SMARCB	cg19906397	0.0798854197065085	66	0.64113238288317	0.523726018267072	0.00638168028168501	0.702980492243374
KICH	SMARCC	cg02564102	0.0202390388009201	66	0.161945481752782	0.871858981111692	0.000409618691585151	0.932056975318238
KICH	SMARCC	cg02627110	-0.166173499319159	66	-1.34813170210438	0.182368261047954	0.0276136318759745	0.360079002966445
KICH	SMARCC	cg05592996	-0.365186709748865	66	-3.13823831021573	0.00256998209084864	0.133361332977202	0.0145494200397709
KICH	SMARCC	cg07143957	0.256159633747282	66	2.12001235827572	0.0378878563093003	0.0656177579615417	0.117657893645991
KICH	SMARCC	cg07304068	-0.245979634722783	66	-2.03021545423602	0.0464951889436046	0.0605059806983537	0.136765861106317
KICH	SMARCC	cg07474652	-0.178405865271404	66	-1.45051759856886	0.151797854653794	0.0318286527632384	0.318266556299516
KICH	SMARCC	cg12894336	-0.243021164665181	66	-2.00425490286145	0.049278347121902	0.0590592864752211	0.142787534862978
KICH	SMARCC	cg16250355	0.113395056621153	66	0.913049642168466	0.364643242230554	0.0128584388661145	0.56358763407871
KICH	SMARCC	cg20685352	-0.154274146018346	66	-1.24914786583138	0.216160490262376	0.02380051212969	0.403415919284887
KICH	SMARCC	cg22984439	-0.0981258941328334	66	-0.788813961861303	0.433133134343974	0.00962869109936804	0.626784476250101
KICH	SMARCD	cg02553054	0.0830993235806748	66	0.667101914180498	0.507105191626269	0.0069054975795657	0.68995822231621
KICH	SMARCD	cg04550398	0.115414872437348	66	0.929530684610098	0.356106954799548	0.0133205927797294	0.554893731049796
KICH	SMARCD	cg09878554	0.276517137167574	66	2.30189012543601	0.0246060069547977	0.076461727147351	0.0851828146728646
KICH	SMARCD	cg13349421	0.14749696386827	66	1.19302440528084	0.237263927630182	0.0217553543503578	0.42868081812626
KICH	SMARCD	cg17846064	-0.075759731564115	66	-0.607824678707358	0.545454655355525	0.00573953692666677	0.719317474192648
KICH	SMARCD	cg18591973	-0.0501085944579974	66	-0.401372970290924	0.689482610247916	0.00251087123855604	0.821501377245218

KICH	SMARCD	cg20405918	-0.141334658146296	66	-1.14214223139549	0.257650000660069	0.0199754855933303	0.452170362525156
KICH	SMARCD	cg22402853	0.00939225067363224	66	0.0751413197343454	0.940336657073438	8.82143727163452e-05	0.968279525875538
KICH	SMARCD	cg25107077	-0.093880293888117	66	-0.754374049798768	0.453391489772517	0.00881350958051921	0.64376311951967
KICH	SMARCD	cg00945038	-0.170242571763951	66	-1.38211645402571	0.171740896960038	0.0289825332408038	0.345990193917111
KICH	SMARCD	cg02127607	-0.0304291766194314	66	-0.243546193014753	0.80836128012859	0.000925934789736551	0.896315443745299
KICH	SMARCD	cg02360836	-0.323503970655426	66	-2.73510719697994	0.00805864542344428	0.104654819029827	0.0361271400951665
KICH	SMARCD	cg04367190	0.11340032411832	66	0.913092608229015	0.364620819300021	0.0128596335101401	0.563575371374021
KICH	SMARCD	cg06420487	-0.319349055582072	66	-2.69596060757902	0.00895785414503153	0.101983819301161	0.0391982959477209
KICH	SMARCD	cg07362569	-0.021948190954548	66	-0.175627834723354	0.861140837682796	0.000481723086177302	0.926236860210427
KICH	SMARCD	cg11697258	0.00315735683714045	66	0.025258980599591	0.979926986048174	9.96890219703754e-06	0.989664496271231
KICH	SMARCD	cg12577610	-0.136905267749368	66	-1.10565280889379	0.273015859764071	0.0187430523375262	0.469297474302012
KICH	SMARCD	cg15868002	-0.266855174599949	66	-2.2151709326062	0.0303139572386846	0.0712116842107691	0.0994512736751705
KICH	SMARCD	cg19016967	0.030964854653161	66	0.247837681858456	0.805053437726398	0.00095882223691384	0.894115599036154
KICH	SMARCD	cg19143629	-0.193465201373906	66	-1.57752558446323	0.1196051009838	0.037428784142646	0.270131759209731
KICH	SMARCD	cg21254277	-0.273661877220425	66	-2.27618624288912	0.0261894221752023	0.0748908230438071	0.0892296197914287
KICH	SMARCD	cg23682543	-0.136227766163674	66	-1.10007755415994	0.275419005460969	0.0185580042739447	0.471843601727205
KICH	SMARCD	cg24795630	-0.141133075095	66	-1.14048008350052	0.258336316535161	0.019918544885771	0.452943873774603
KICH	SMARCD	cg25945412	-0.212874999492808	66	-1.74294936929042	0.086145279686938	0.0453157654090631	0.214112306136875
KICH	SMARCD	cg00864064	0.0107920038081147	66	0.0863410585683036	0.931464859685173	0.000116467346194361	0.963712161049667
KICH	SMARCD	cg02917064	0.16721576511096	66	1.35682984366941	0.179601855878544	0.0279611121016438	0.356540561313608
KICH	SMARCD	cg14795305	0.0209413105306581	66	0.167567230614252	0.867452120376637	0.000438538486741453	0.929563202553586
KICH	SMARCD	cg19786287	-0.0849938140910503	66	-0.682419863378679	0.497436113072774	0.00722394843374402	0.681822978722662
KICH	SMARCD	cg19902439	-0.059264210858788	66	-0.474948488650797	0.636440511181044	0.00351224668871489	0.786005193231067
KICH	SMARCD	cg22750243	-0.0556276512369099	66	-0.445711356753551	0.65730992119541	0.00309443558213529	0.800382192013289
KICH	SMARCD	cg22787816	-0.162637549410636	66	-1.31865715371222	0.191983137484017	0.026450972478297	0.372497660634225
KICH	SMNDC1	cg03999743	-0.244728678120571	66	-2.01923100562437	0.0476558329623217	0.0598921258946421	0.139352648829907
KICH	SMNDC1	cg08770590	-0.103630619523917	66	-0.833532819564427	0.40764442887915	0.0107393053029108	0.603809730993412
KICH	SMNDC1	cg11559952	0.0763431262097889	66	0.612532621803411	0.542355798816518	0.00582827291948376	0.7169917860349
KICH	SMNDC1	cg12486840	0.214167741024503	66	1.75404112442987	0.0842105779039397	0.0458678212955386	0.210590978990156
KICH	SMNDC1	cg17981675	-0.273865241161298	66	-2.27801482157813	0.0260738694035281	0.075002170316336	0.0889332951761692
KICH	SMNDC1	cg18209001	-0.197786572234136	66	-1.61418054003931	0.111408370386188	0.0391195281561291	0.25719338731744
KICH	SMNDC1	cg21872391	0.0215478725006185	66	0.172423013586984	0.863649081991398	0.000464310809302909	0.927570536695137
KICH	SMNDC1	cg23721301	-0.0897379098845289	66	-0.72081145428292	0.47365030394212	0.00805289247044383	0.661661100026823
KICH	SMNDC1	cg26944434	-0.0630194642985065	66	-0.50515982153507	0.615181808855185	0.00397145288047073	0.771011481014971
KICH	SMYD1	cg00578637	-0.0628204775846572	66	-0.503558427541811	0.616300608783165	0.00394641240396442	0.771978384691939
KICH	SMYD1	cg00666842	0.104915920791702	66	0.843985240164204	0.401821347300157	0.0110073504355707	0.598407069031589
KICH	SMYD1	cg03704645	-0.00360158583211529	66	-0.0288128735294776	0.977103493966238	1.29714205060936e-05	0.987979772323823
KICH	SMYD1	cg14559139	0.20017099666795	66	1.63444759579298	0.107074778201183	0.0400684279070405	0.25014340226375
KICH	SMYD1	cg16090764	0.099778537828412	66	0.802231703566444	0.425387852610188	0.00995575661117585	0.620130099054736
KICH	SMYD1	cg18148488	0.0908524224141349	66	0.729837720317411	0.468152361889875	0.00825416265851641	0.657165319490805
KICH	SMYD1	cg19074493	-0.00140813914301572	66	-0.0112651243126901	0.991046964072028	1.98285584609304e-06	0.995204630536336
KICH	SMYD2	cg01770831	0.168622689837911	66	1.36857864429005	0.175916042421511	0.0284336115281722	0.35172357562875
KICH	SMYD2	cg04406444	-0.0226665609216134	66	-0.181379087196542	0.856643245393887	0.000513772984013211	0.923727554737902
KICH	SMYD2	cg11523160	-0.0528766946194478	66	-0.423606161196713	0.673273341731077	0.00279594483387834	0.810997109868346
KICH	SMYD2	cg14013804	-0.279926593147409	66	-2.33266959276286	0.0228220488715966	0.0783588975511153	0.080452169200516
KICH	SMYD2	cg27570636	-0.104120671685748	66	-0.837517556559113	0.405418469315719	0.0108411142722913	0.601788326469633
KICH	SMYD5	cg01329511	-0.100889566126326	66	-0.811255856036116	0.420225601201097	0.0101787045531584	0.615483430585511
KICH	SMYD5	cg05103132	-0.315076848809286	66	-2.65588943332961	0.0099724550353528	0.0992734206555897	0.0425327394199691
KICH	SMYD5	cg06754047	-0.01828931138224	66	-0.146338968217728	0.884113779596938	0.000334498910836534	0.93857460930628
KICH	SMYD5	cg08834152	0.0690308372950598	66	0.553567218285027	0.581803915962313	0.00476525649765701	0.747137685309632
KICH	SMYD5	cg15623359	-0.196742789475085	66	-1.60531803763827	0.113347399889863	0.0387077252104375	0.260475959472211
KICH	SMYD5	cg17895873	-0.140136793717508	66	-1.13226739190283	0.261746448460733	0.0196383209534233	0.457088918194683
KICH	SMYD5	cg20402064	-0.0976521100726699	66	-0.784968550305101	0.435368171608826	0.00953593460164483	0.628668331153967
KICH	SMYD5	cg25886337	-0.0765875657204641	66	-0.614505414818536	0.541059945767617	0.00586565522298641	0.71614151290593
KICH	SMYD5	cg26467949	0.148257446090327	66	1.19931342079998	0.234827525304595	0.0219802703212262	0.425910950842714
KICH	SP100	cg05876232	-0.160240972849978	66	-1.29870980794811	0.19870347106014	0.0256771693799075	0.381365390333681
KICH	SP100	cg09456094	-0.302581657212502	66	-2.53970586708966	0.0135338921759034	0.0915556592814643	0.0539787545722751

KICH	SP100	cg11702456	-0.182161879287325	66	-1.48209258603018	0.143223015041432	0.03318295026549	0.306020248623504
KICH	SP100	cg11827097	0.0870732542496478	66	0.699241816327229	0.486934505542052	0.0075817516056238	0.673292816128738
KICH	SP100	cg23539753	-0.0315562568386723	66	-0.252575843209265	0.801405450516255	0.00099579734566825	0.891629753403242
KICH	SP100	cg27140170	-0.00286245915310666	66	-0.0228997670416401	0.981801475274352	8.19367240320412e-06	0.990587569613677
KICH	SP140L	cg04002454	-0.443173117698621	66	-3.95497810512127	0.000194124434143105	0.196402412250716	0.00169282773564944
KICH	SP140L	cg05217331	-0.0393466830139973	66	-0.315017407469875	0.75377324918809	0.00154816146420398	0.862414862301648
KICH	SP140L	cg13278004	-0.498232910475885	66	-4.59707559517372	2.07129707413805e-05	0.248236033081271	0.000247062993844673
KICH	SP140L	cg24044052	-0.219027477418816	66	-1.79582479597615	0.0772429001486469	0.0479730358644498	0.198004289381964
KICH	SP140L	cg25095994	-0.312750705781127	66	-2.63414697940529	0.0105658174238624	0.0978130039665928	0.044485425159493
KICH	SP140L	cg26847438	-0.449093268922998	66	-4.02104861594211	0.000155365520231185	0.201684764191944	0.00140354501527656
KICH	SSRP1	cg01511567	0.176974483023393	66	1.43850198506279	0.155164163993726	0.0313199676413971	0.32299157052681
KICH	SSRP1	cg01766191	-0.269652330849878	66	-2.24020073143669	0.0285574441756523	0.0727123795327721	0.0951486244440384
KICH	SSRP1	cg02688348	0.0289575854201956	66	0.231757873066863	0.817465503377059	0.000838541753367922	0.901900573948957
KICH	SSRP1	cg04937561	-0.19236655346188	66	-1.56822188508784	0.121760766369126	0.0370048908908022	0.273424849433358
KICH	SSRP1	cg08821673	-0.225461261112601	66	-1.85135862347895	0.068732675565227	0.0508327802624846	0.18188890197342
KICH	SSRP1	cg09381635	-0.39892676096126	66	-3.48034239928638	0.000907073839831413	0.159142560611042	0.00619261977146511
KICH	SSRP1	cg11948159	0.0118149101169783	66	0.0945258786990903	0.924986753268603	0.000139592101072277	0.960470094551224
KICH	SSRP1	cg12795368	0.0477383082334493	66	0.38234238320365	0.703474177307626	0.00227894607299181	0.830579765203137
KICH	SSRP1	cg12911972	-0.267928206056248	66	-2.22476556832171	0.0296297073865263	0.0717855236005194	0.097765341494992
KICH	SSRP1	cg16313264	0.294830512638521	66	2.46836395571911	0.0162553379490542	0.0869250311826931	0.0620555383457022
KICH	SSRP1	cg22636253	0.101863332683465	66	0.819167641892542	0.415730813911383	0.0103761385453823	0.611356362590917
KICH	SSRP1	cg26706201	-0.115446550467555	66	-0.92978925957439	0.355974062467305	0.0133279060148578	0.554784963049553
KICH	STK31	cg00755064	0.0417069750937738	66	0.333946372309353	0.739511807906756	0.00173947177147267	0.853263449925073
KICH	STK31	cg05000488	0.0480535142879527	66	0.38487273368152	0.701607763384404	0.00230914023542248	0.829068176697851
KICH	STK31	cg05407490	-0.0610759001446878	66	-0.489521076012642	0.626146523559213	0.00373026557848388	0.778806341894083
KICH	STK31	cg11755819	0.00948159414590802	66	0.0758561630022311	0.939770160282989	8.99006275477173e-05	0.967888366153717
KICH	STK31	cg13313214	-0.0637959081586146	66	-0.511409022683653	0.6108246327116	0.00406991789778239	0.767930360060908
KICH	STK31	cg13514718	-0.365568936265714	66	-3.14202935297015	0.00254137545484742	0.133640647162446	0.0144367505783041
KICH	STK31	cg13802883	-0.222455914620881	66	-1.82538648214147	0.0726092809270576	0.0494866339498126	0.189320498741102
KICH	STK31	cg14898779	0.0758576996157932	66	0.608615228207279	0.544933673192756	0.00575439059099991	0.718975755566779
KICH	STK31	cg17102984	-0.00052123973718778	66	-0.0041699184639667	0.996685866852241	2.71690863623595e-07	0.998316892964834
KICH	STK31	cg17331904	-0.0438920756438811	66	-0.351475329493965	0.72638630541177	0.00192651430432818	0.845024767364566
KICH	STK31	cg21519371	-0.0718006984101062	66	-0.575891964977453	0.566707834815618	0.00515534029217903	0.735654011299322
KICH	STK31	cg25570411	-0.0905848149122633	66	-0.727670157276216	0.469469325200604	0.008205608692689	0.658265684089539
KICH	STK31	cg25612145	-0.291401079394737	66	-2.43697081069289	0.0176017546383686	0.0849145890724177	0.0659908867632408
KICH	SUV39H	cg05903800	-0.105593331910251	66	-0.849495849577366	0.398772036470195	0.0111499517439085	0.595376102200602
KICH	SUZ12	cg00160853	0.0335004965160899	66	0.2681544870171511	0.789442820641838	0.00112228326682455	0.88412413499289
KICH	SUZ12	cg01109633	0.0671205576255173	66	0.538178121246423	0.592320881179728	0.00450516925596038	0.754688416242131
KICH	SUZ12	cg07482957	-0.070816077155943	66	-0.567954529553707	0.572053096613562	0.00501491678375647	0.73975991549574
KICH	SUZ12	cg08177746	0.225308468455892	66	1.85003685699409	0.0689256720493643	0.0507639059579397	0.182232318223499
KICH	SUZ12	cg17335595	-0.341893526614336	66	-2.91054122281259	0.00495888162562059	0.116891183540788	0.0246128464457422
KICH	SUZ12	cg25098644	-0.0266504733652018	66	-0.213279541030049	0.831786879742808	0.000710247730589332	0.909778959897532
KICH	TAF3	cg00194465	-0.0712891370348415	66	-0.571767849380009	0.569482054412169	0.00508214105917241	0.737695228389647
KICH	TAF3	cg02334915	0.189287290751246	66	1.54217821047082	0.127960692888601	0.0358296784399468	0.282969218641117
KICH	TAF3	cg03672997	-0.0777422294983458	66	-0.6238258492839	0.534959192387118	0.00604385424737346	0.711519310600429
KICH	TAF3	cg04179819	-0.15572387930237	66	-1.26117660157527	0.211823118701742	0.0242499265849792	0.397946526027754
KICH	TAF3	cg04234156	0.0187055212176453	66	0.149670356600798	0.881495364201489	0.00034989652402378	0.93712488196527
KICH	TAF3	cg05976695	-0.0135446797353102	66	-0.108367378788644	0.914043313390271	0.000183458349132122	0.954617411651983
KICH	TAF3	cg07855525	-0.288071258656663	66	-2.40658779130375	0.0189992601563767	0.0829850500640343	0.0699294305736738
KICH	TAF3	cg09871669	0.351464379572704	66	3.0033232934907	0.00380745411784916	0.123527210108426	0.0199620626529153
KICH	TAF3	cg09994553	-0.0380264808905501	60	-0.289810661307286	0.772994650905936	0.00144601324891937	0.874160077227783
KICH	TAF3	cg11104088	0.295222152551048	66	2.47195565281497	0.0161073529068372	0.0871561193568743	0.061623655539732
KICH	TAF3	cg12176426	-0.00166519720491301	66	-0.0133215961089221	0.989412659415238	2.7728817312501e-06	0.994346429652607
KICH	TAF3	cg12590721	-0.333325803454499	66	-2.82835524526744	0.00623993768573153	0.111106091248587	0.0295831380537387
KICH	TAF3	cg12777293	-0.339963321092573	66	-2.89195519204547	0.00522523202039784	0.115575059688292	0.025683433360386
KICH	TAF3	cg27268107	-0.0881483492615005	66	-0.707942561088374	0.481551276414635	0.00777013147752748	0.668752945095717
KICH	TCEA1	cg01677098	-0.234091348037714	66	-1.92625246740397	0.0585164979139325	0.0547987592261141	0.161696175850405

KICH	TCEA1	cg06047473	-0.246397486177874	66	-2.0338869429117	0.046112719116048	0.0607117211947759	0.135980170232889
KICH	TCEA1	cg11530293	0.245666273060562	66	2.02746286505295	0.0467837240407409	0.0603519177194666	0.137469047328627
KICH	TCEA1	cg11787876	0.0790360489096086	66	0.634272548962068	0.528163684834215	0.00624669702724205	0.706585824557058
KICH	TCEA1	cg12850379	-0.08317197276375	66	-0.667689185533914	0.506732636593726	0.00691757705341397	0.68964102085707
KICH	TCEA1	cg23569945	-0.0781322057605515	66	-0.62697430238426	0.53290640264417	0.00610464157700915	0.710085481857742
KICH	TCEA1	cg26181865	-0.377376440797941	66	-3.26006058499408	0.00178645378514892	0.142412978069322	0.0108414343917409
KICH	TCEA1	cg26358945	-0.194775163644306	66	-1.58862682244511	0.117073105061321	0.0379373643726661	0.26622288249815
KICH	TDRD1	cg00337703	-0.0549549591862227	66	-0.440305047322121	0.66119972752326	0.0030200475391594	0.802880960305693
KICH	TDRD1	cg02635786	-0.315966978389827	65	-2.64332730433034	0.0103464290651942	0.0998351314327972	0.0437678141760584
KICH	TDRD1	cg16550453	-0.991556980687644	66	-61.1733696605047	1.67039873866513e-58	0.983185245950396	1.33965978840943e-55
KICH	TDRD1	cg23504215	-0.37783093463299	66	-3.26464022189826	0.0017619183023017	0.142756215165639	0.0107242525944182
KICH	TDRD1	cg23825092	-0.715397163977154	66	-8.19096830744037	1.48545696918491e-11	0.511793102226556	6.81235484612902e-10
KICH	TDRD1	cg24203376	-0.26600211648647	66	-2.20754954534727	0.0308673470940236	0.0707571259752815	0.100784621834654
KICH	TDRD1	cg26600802	-0.805412677656842	66	-10.8708357396622	3.54611248274071e-16	0.648689581330365	3.18184860994615e-14
KICH	TDRD1	cg27547703	-0.959810080560511	66	-27.3595992925975	4.97741039695499e-37	0.921235390745575	1.82647483217319e-34
KICH	TDRD3	cg01557749	-0.185719470656995	66	-1.5120613875859	0.135440718700304	0.0344917217811144	0.294339617022976
KICH	TDRD3	cg03447530	-0.123158838267774	66	-0.992829143027035	0.324532179148584	0.0151680994434677	0.523922671414774
KICH	TDRD3	cg05666423	-0.146159687824069	66	-1.18197067399081	0.241590414590318	0.0213626543448293	0.43386897470459
KICH	TDRD3	cg10765900	0.182071914134931	66	1.48133551467265	0.143424067542874	0.0331501819167577	0.306306811355359
KICH	TDRD3	cg18522102	0.221454426209921	66	1.81674384766636	0.0739392416134149	0.0490420628879654	0.191836624935766
KICH	TDRD3	cg19937698	0.137122118688302	66	1.10743763905864	0.272249641393474	0.0188024754335687	0.468609179726941
KICH	TDRD3	cg20944895	-0.142552960218162	66	-1.15219080377899	0.253528423804959	0.0203213464669608	0.447547940762962
KICH	TDRD3	cg22045829	0.231130107635371	66	1.90050101076437	0.061873288808961	0.0534211266555383	0.168394915633708
KICH	TDRD3	cg23103367	-0.171246157231257	66	-1.39050948168282	0.169190811791547	0.0293252463664725	0.342607628115683
KICH	TDRD3	cg23767211	0.27102517607831	66	2.25250768261348	0.0277271549407965	0.0734546460682792	0.0931033075581303
KICH	TDRD3	cg26737458	-0.0350568450867179	66	-0.280627256686622	0.779901485474934	0.00122898238743414	0.878383737875278
KICH	TDRD5	cg05378938	-0.20273834941519	66	-1.65630333688239	0.102555730545855	0.0411028383235956	0.242561121472705
KICH	TDRD5	cg07171496	-0.268214180783416	66	-2.22732414792009	0.0294495515013749	0.0719388467733192	0.0973443131292952
KICH	TDRD5	cg07901138	-0.242894795931153	66	-2.00314734869861	0.049400201954644	0.0589978818904364	0.143048123245876
KICH	TDRD5	cg09656934	-0.296238476345731	66	-2.48128264793666	0.0157287065059756	0.0877572348676404	0.0605305398604884
KICH	TDRD5	cg11853788	-0.438683270235299	66	-3.90530061156009	0.000229228016139302	0.192443011584337	0.00194551214134201
KICH	TDRD5	cg12277666	-0.257700394333868	66	-2.13366806274774	0.0367085045290261	0.0664094932398311	0.114894443827441
KICH	TDRD5	cg13848905	-0.138965813218158	66	-1.12261907769527	0.265793217128664	0.0193114972433839	0.46156340759202
KICH	TDRD5	cg15545772	-0.218580647723703	66	-1.79197718438137	0.0778637493168566	0.0477774995593135	0.199044838142598
KICH	TDRD7	cg24339935	0.120541931989486	66	0.971418812243608	0.334996914045005	0.0145303573677578	0.534564647607365
KICH	TDRD9	cg07613153	0.113715558103585	66	0.915664059303079	0.363280448278974	0.0129312281548098	0.56225209281821
KICH	TDRD9	cg08933517	0.191511120787581	66	1.56098205183802	0.123459655130567	0.0366765093853155	0.27617161949643
KICH	TDRD9	cg16701547	0.0671055359676738	66	0.538057131468663	0.592403918713339	0.00450315295750876	0.754738668389835
KICH	TRIM24	cg00733782	-0.0865068394740805	66	-0.694658813278288	0.48978337781376	0.00748343327579433	0.675786742109957
KICH	TRIM24	cg02308366	0.0610115778895122	66	0.489003608277562	0.626510801639394	0.00372241263656801	0.779134862165055
KICH	TRIM24	cg06386929	-0.156264004358879	66	-1.2656602613141	0.210222960471888	0.0244184390582716	0.395858083096121
KICH	TRIM24	cg06650216	-0.0987181454584664	66	-0.793621660740715	0.430348373795533	0.00974527224275893	0.624331376294681
KICH	TRIM24	cg10571650	0.0344608008598983	66	0.275850248075034	0.783551848949529	0.00118754679590557	0.880580552357001
KICH	TRIM24	cg10703331	0.0946515197170611	66	0.760627017868785	0.449673176184167	0.00895891018474921	0.64088148666406
KICH	TRIM24	cg13935558	0.0416595996112666	66	0.333566378522718	0.739797221605994	0.0017355223977104	0.853453525782495
KICH	TRIM24	cg26889928	0.187073921722027	66	1.52348726287786	0.132563180875225	0.034996652188459	0.290038814630646
KICH	TRIM33	cg00760200	-0.0710238984111742	66	-0.569629722134898	0.570922941730217	0.00504439414552079	0.738911942948107
KICH	TRIM33	cg02852257	0.112476855762763	66	0.905561225411162	0.368564729142208	0.0126510430822773	0.567397513775633
KICH	TRIM33	cg05792124	-0.0727945501282541	66	-0.583905527253501	0.561336294073527	0.0052990465283749	0.731822755796886
KICH	TRIM33	cg16036305	0.101176390913217	66	0.813586041777255	0.418898765940603	0.0102366620782242	0.614331157817428
KICH	TRIM33	cg17645130	0.0831742874635608	66	0.667707896958203	0.50672076880323	0.00691796209507105	0.68964102085707
KICH	TRIM33	cg18199720	0.0921976917175347	66	0.740736536502257	0.461562316050572	0.00850041435804157	0.651133898174597
KICH	TRIM33	cg20932765	-0.382779619979021	66	-3.3146843672555	0.00151368587809433	0.146520237471283	0.00946986155279872
KICH	TRIM33	cg20992663	0.167019338237175	66	1.35519022283327	0.180120873630846	0.027895459345184	0.357183870589804
KICH	TRIM33	cg21666217	-0.153322468168633	66	-1.24125609757135	0.219041478550038	0.0235077792453214	0.406966940897558
KICH	TRIM33	cg21813112	-0.231516860872915	65	-1.88892862154745	0.0635062934762959	0.0536000568684485	0.171577710449919
KICH	TRIM66	cg06492264	0.0698093568380299	66	0.559840669486853	0.577542391228385	0.00487334630213938	0.744055974553554

KICH	TRIM66	cg11245569	-0.032085722140543	66	-0.256818007408702	0.798143093218773	0.00102949356528013	0.889756158916961
KICH	TRIM66	cg12608775	0.0069438824506931	66	0.055552398920684	0.955871448841986	4.82175034890436e-05	0.976571849644934
KICH	TRIM66	cg13143389	0.121912215037714	66	0.982627248251667	0.329491103140421	0.0148625881754018	0.529154981618901
KICH	TRIM66	cg27044202	-0.0681250792864434	66	-0.546269734623569	0.586779906909323	0.0046410264277842	0.750838148531216
KICH	UBE2A	cg00142683	0.0778724940473617	66	0.624877501238366	0.534273062120055	0.00606412532915639	0.711047042259837
KICH	UBE2A	cg00428314	0.0650700470460081	66	0.52166594364415	0.603703664194538	0.0042341110225697	0.762683472219785
KICH	UBE2A	cg00935924	-0.0811663953135586	66	-0.65148068066793	0.517068865793589	0.00658798372819686	0.698081554710813
KICH	UBE2A	cg05206294	-0.0231736486253873	66	-0.185438987725984	0.853471181003125	0.000537017990612914	0.921901889181553
KICH	UBE2A	cg06206449	0.0623066610487383	66	0.499423642321214	0.619193557388348	0.00388212001104236	0.774060054928135
KICH	UBE2A	cg06273903	0.108836692781398	66	0.87589668102757	0.384361853390032	0.0118454256955925	0.582530721706473
KICH	UBE2A	cg09080960	-0.0404996110584756	66	-0.324262928630108	0.746796404148214	0.0016402184958878	0.857811760316905
KICH	UBE2A	cg14625604	0.0850626851830481	66	0.682976861665967	0.497086424626738	0.00723566041055034	0.68158904144081
KICH	UBE2A	cg15661671	-0.0954651353580754	66	-0.767225173479205	0.44576885401631	0.00911359206893566	0.637700298443266
KICH	UBE2A	cg16211147	0.0707131776057771	66	0.567125110821049	0.572613059639505	0.00500035348710618	0.740173476921982
KICH	UBE2A	cg17976175	-0.00315033664699087	66	-0.0252028182404467	0.979971608005364	9.92462098937369e-06	0.989678327857217
KICH	UBE2A	cg18990292	-0.0535004443033822	66	-0.42861740927887	0.669640870870437	0.0028622975406593	0.808525948201077
KICH	UBE2A	cg25165659	0.0419769561369517	66	0.336111905145023	0.737885976079353	0.00176206484652356	0.852429913168073
KICH	UHRF2	cg06523306	0.0398507090060347	66	0.31905911825546	0.750720727133658	0.00158807900828365	0.860284158586049
KICH	UHRF2	cg08487038	0.0501939555503295	66	0.402058443505751	0.688980627071385	0.00251943317378845	0.821207312961809
KICH	UHRF2	cg13428749	0.378206746078873	66	3.26842910694251	0.00174185930322233	0.143040342779569	0.0106246042523818
KICH	UHRF2	cg14078101	0.755529075897249	66	9.2262145349917	2.28250694559144e-13	0.570824184526151	1.4262276732959e-11
KICH	UHRF2	cg20595300	0.23244596965699	66	1.9119370304881	0.0603629394296579	0.0540311288097785	0.165365162164694
KICH	UHRF2	cg24119045	0.712466233094004	66	8.12267052754613	1.95959575015123e-11	0.50760813329916	8.79502889219548e-10
KICH	USP27X	cg00478198	0.161490746481911	66	1.309109040696	0.195178282059734	0.0260792611992849	0.376813482430945
KICH	USP27X	cg01125381	-0.0479824568257635	66	-0.38430230223258	0.702028359445064	0.00230231616303626	0.82940140317204
KICH	USP27X	cg01290688	0.159728436430802	66	1.29444690398349	0.200162223906842	0.0255131734046287	0.383107886495483
KICH	USP27X	cg01855997	0.187088686997465	66	1.52361186922782	0.132532068720431	0.0350021768024355	0.29001152580904
KICH	USP27X	cg06455206	0.228475787807615	66	1.87746603912498	0.0650128236915523	0.0522011856143102	0.174629086605228
KICH	USP27X	cg06624970	0.203248327766188	66	1.66064897927156	0.101675966393221	0.0413098827397518	0.241100378870186
KICH	USP27X	cg16810342	0.206106475654861	66	1.68503012545122	0.0968534850723589	0.0424798793068676	0.232708012160081
KICH	USP27X	cg16867483	0.273378887780771	66	2.27364224807582	0.0263509374562696	0.0747360162842512	0.0896189922389191
KICH	USP27X	cg19318186	0.18438509581264	66	1.50081360112147	0.138321424140776	0.0339978635578363	0.298697484236156
KICH	USP51	cg00834229	-0.140980521561175	66	-1.13922230346654	0.258856526812144	0.0198755074596608	0.453567382468218
KICH	USP51	cg01084827	-0.188606163596762	66	-1.536423803846	0.129363918786744	0.0355722849466884	0.285158367939509
KICH	USP51	cg02714202	-0.05597392976185	66	-0.448494574144867	0.655311103530218	0.00313308081298452	0.799076039050607
KICH	USP51	cg03728850	-0.19557622298933	66	-1.5954197262902	0.115545126357344	0.0382500589987723	0.263768928923152
KICH	USP51	cg07386410	-0.0463336197416423	66	-0.37106747656398	0.711812777962407	0.00214680431836311	0.836009530153955
KICH	USP51	cg12064531	0.0244880078755232	66	0.195962827597701	0.845260146597717	0.000599662529711685	0.91729375599117
KICH	USP51	cg12517811	-0.0316826845059107	66	-0.253588783261858	0.800626143268866	0.00100379249750107	0.891106805772347
KICH	USP51	cg18770944	-0.0278510374294672	66	-0.222894763743188	0.82432727244262	0.000775680285897583	0.90559241710422
KICH	USP51	cg21331369	-0.114177118575533	66	-0.919429641793252	0.361323337743183	0.0130364144062114	0.560202138538226
KICH	USP51	cg25424556	-0.100342119697478	66	-0.806808927587031	0.422764737044573	0.0100685409853831	0.617838247704967
KICH	WDR82	cg01736403	0.0173025706755599	66	0.138441290159914	0.890326348802835	0.000299378951982744	0.941923784010408
KICH	WDR82	cg03869063	-0.21349704840042	66	-1.74828536350142	0.0852099980236196	0.0455809896756914	0.212407927013889
KICH	WDR82	cg10989431	0.261633807674038	66	2.16860916053422	0.0338355200217978	0.0684522493180156	0.107987710546697
KICH	WDR82	cg11442381	-0.167494851217404	66	-1.35915972627211	0.178866295845995	0.0280545251843405	0.355566122017769
KICH	WDR82	cg11665333	-0.430010035109052	66	-3.81035491961442	0.000313989720207898	0.184908630294488	0.0025394028790782
KICH	WDR82	cg12661343	-0.297395069122345	66	-2.49190816070719	0.0153071237783272	0.0884438271382846	0.0593246327076165
KICH	WDR82	cg13539115	-0.303048808545867	66	-2.54402306067689	0.013383250600083	0.0918385803610697	0.0535049945865975
KICH	WDR82	cg15991175	-0.17154083763504	66	-1.39297475190447	0.168447329687688	0.0294262589765312	0.34161083330876
KICH	WDR82	cg17632831	-0.0471147472149397	66	-0.377337016636829	0.707171572226539	0.00221979940512767	0.833099194212029
KICH	WDR82	cg24007312	-0.0202826201865855	66	-0.162294347630939	0.871585386889487	0.000411384681633287	0.93190002044669
KICH	WDR82	cg26236504	0.232432889550312	66	1.91182329816473	0.0603778046181089	0.0540250481447076	0.165391771929001
KICH	WDR82	cg26858096	-0.375149466898093	66	-3.23766041841774	0.00191116289069552	0.140737122513923	0.0114640300654459
KICH	ZMYND1	cg00614684	-0.346128624752714	66	-2.95146788053361	0.0044160838091344	0.119805024873205	0.0224695199215888
KICH	ZMYND1	cg02813021	-0.169368472801495	66	-1.37480993735281	0.173984746224852	0.0286856795791107	0.349127356268472
KICH	ZMYND1	cg02867818	-0.419127468646943	66	-3.69304830586684	0.000460551577782899	0.175667834974394	0.00349918443617959

KICH	ZMYND1	cg03254875	-0.408884828632869	66	-3.58440590766078	0.000652878267044369	0.16718680308613	0.0047001676759624
KICH	ZMYND1	cg05236965	-0.0868850197737463	66	-0.697718688708742	0.487880289650253	0.00754900666108429	0.674093479203107
KICH	ZMYND1	cg08828193	-0.0984257682322042	66	-0.791248133755999	0.431721858825191	0.00968763185209959	0.625562457401539
KICH	ZMYND1	cg12639781	-0.143764871429643	66	-1.16219196769255	0.249473165936536	0.0206683382571818	0.443033270182853
KICH	ZMYND1	cg13939078	-0.17089404854261	66	-1.38756427558624	0.170082333927041	0.0292047758272839	0.343797357104407
KICH	ZMYND1	cg14255089	0.258728311155058	66	2.14278813863529	0.0359388059401749	0.0669403389931483	0.113104230321209
KICH	ZMYND1	cg14694828	-0.274989372730082	66	-2.28812859542993	0.0254428645499528	0.0756191551144841	0.0873439920920976
KICH	ZMYND1	cg17632565	-0.423438667178349	66	-3.73928325698773	0.000396314705576572	0.179300304861776	0.00308124187543712
KICH	ZMYND1	cg22593633	-0.304742400304819	66	-2.5596914076885	0.0128491862302529	0.0928679305435426	0.0518889946841928
KICH	ZMYND1	cg24757747	-0.457476096024004	66	-4.11574286374859	0.000112546856463331	0.209284378433364	0.00106695956028618
KIRC	ACTL6A	cg03667091	0.0147522669308659	542	0.341895329112479	0.732563421822305	0.000217629379599518	0.848998716383529
KIRC	ACTL6A	cg03839554	-0.168093048900312	325	-3.05510523545279	0.00243838632570094	0.0282552730886027	0.0139448522988737
KIRC	ACTL6A	cg07261848	-0.184567754314249	325	-3.36984457054738	0.000843524601775251	0.0340652559326051	0.00582315670161539
KIRC	ACTL6A	cg10112003	-0.0375142650989363	325	-0.673643602710269	0.501021171069621	0.00140732008591327	0.684854529487456
KIRC	ACTL6A	cg20132173	0.087754410784025	325	1.5807950881292	0.114906647165997	0.0077008366120514	0.262761984788014
KIRC	ACTL6A	cg22619386	0.0727617524798542	325	1.30913302008025	0.191422731222711	0.00529427262393957	0.3719072938423
KIRC	ACTL6A	cg25198545	-0.0169355492707994	542	-0.392508186386915	0.694838509046085	0.000286812829103674	0.825045149121803
KIRC	ACTL6A	cg25575835	0.0403049991270508	325	0.723835523279519	0.469692247194437	0.00162449295463157	0.658459573961003
KIRC	ACTL6B	cg05729836	0.0413254744210497	325	0.742193153548422	0.458511353959132	0.00170779483612484	0.648494160522745
KIRC	ACTL6B	cg08572611	-0.0496516104258611	542	-1.15201059227977	0.249829326766269	0.00246528241788148	0.443443064854777
KIRC	ACTL6B	cg09375063	-0.0636334693633473	325	-1.1441806518199	0.253398555127667	0.00404921842321606	0.447430369004534
KIRC	ACTL6B	cg14088161	0.0212262032781216	542	0.491991183202157	0.622926632856134	0.00045055170560414	0.776652280629379
KIRC	ACTL6B	cg16024950	-0.0704656456453111	325	-1.26761182435571	0.205852499734335	0.00496540721621055	0.390178334048019
KIRC	ACTL6B	cg20497359	-0.0988385396784225	325	-1.78232134988122	0.0756389961979779	0.00976905692576309	0.195056189552342
KIRC	ACTL6B	cg24471254	-0.12906093694138	325	-2.33544784739848	0.0201337915871407	0.0166567254441868	0.0732184079436248
KIRC	ACTL6B	cg26990587	-0.0735013618396766	325	-1.32251202371908	0.186936254550219	0.00540245019228707	0.366042915413922
KIRC	AEBP2	cg02664216	0.22962846954377	325	4.23366606733554	3.00303859167352e-05	0.0527292340250139	0.000341297858583857
KIRC	AEBP2	cg07849438	0.0623140369396749	325	1.12036273692104	0.263394139562995	0.00388303919971916	0.458822362227734
KIRC	AEBP2	cg08161947	0.0641398445726356	325	1.1533231459316	0.24963315331578	0.00411391966180185	0.443256676916092
KIRC	AEBP2	cg24304000	0.0221944679899093	325	0.398363617036504	0.690626182531167	0.000492594409355109	0.822212685717006
KIRC	AEBP2	cg26259627	-0.0515030854373455	325	-0.925418008116591	0.355441541268577	0.00265256780956651	0.554265940936652
KIRC	AFF4	cg00931577	0.207958751299443	325	3.8150934881662	0.000163189716864968	0.0432468422420236	0.00146224151506489
KIRC	AFF4	cg01907658	-0.023576994587249	325	-0.423191679046096	0.672437920499252	0.000555874673767167	0.810417443915767
KIRC	AFF4	cg05619425	0.219576358848108	325	4.03872058462443	6.72394393634641e-05	0.0482137773649931	0.000686189813176089
KIRC	AFF4	cg06638012	0.0143582828587323	542	0.332142283745044	0.739911909267134	0.000206160286651366	0.853528365529513
KIRC	AFF4	cg07236381	-0.0822829401076468	217	-1.20496600381018	0.229553486468846	0.0067704822327586	0.419617522785156
KIRC	AFF4	cg13393914	-0.0175149923384565	325	-0.314343520739831	0.753463716842272	0.000306774956616189	0.862133594552597
KIRC	AFF4	cg13565585	0.0693050390720605	325	1.24663197101657	0.213438562108749	0.00480318844077983	0.399899797709304
KIRC	AICDA	cg07999668	0.0673637867329611	325	1.2115519996787	0.226572263848199	0.00453787976300387	0.416118860517654
KIRC	AIRE	cg08089567	0.0378877528721111	325	0.68035991572449	0.496765482200904	0.00143548181769816	0.681394080130528
KIRC	AIRE	cg09510531	0.0322544302449246	325	0.579086361885009	0.562935771898597	0.00104034827042471	0.732974466317631
KIRC	AIRE	cg11923631	0.0588765557999327	325	1.05833795086889	0.290694681863377	0.00346644882286259	0.488303292470193
KIRC	AIRE	cg12843033	-0.0699353249007438	325	-1.25802477685413	0.209294284985634	0.0048909496689726	0.394720832169809
KIRC	AIRE	cg15955655	-0.0499008142641149	325	-0.896555045551208	0.370626180200186	0.0024900912642217	0.569272094899961
KIRC	AIRE	cg16501323	0.022902545505205	325	0.411079311002517	0.681287824861008	0.000524526590617985	0.816177295644043
KIRC	AIRE	cg16717549	0.0326327430379235	325	0.585885674839288	0.558362767917347	0.00106489591817914	0.729412993356318
KIRC	AIRE	cg17356252	0.115730188561791	542	2.69998786492969	0.00715290703949946	0.0133934765445476	0.0329629907751204
KIRC	AIRE	cg18689454	0.0223494077927859	325	0.401145982391824	0.68857871601636	0.000499496028688238	0.821053338386317
KIRC	AIRE	cg18876487	-0.0557289077518164	542	-1.29343056682943	0.196418279280386	0.00310571115921046	0.378474812828829
KIRC	AIRE	cg23272544	-0.0197823159356329	325	-0.355050447543261	0.722784240702656	0.000391340023777194	0.842917863360672
KIRC	AIRE	cg27251412	0.0349397436154614	325	0.627354332944915	0.530871592291523	0.00122078568391418	0.708642236217741
KIRC	ARID1A	cg04081153	-0.00084552842175440	325	-0.0151724704988733	0.987903980886701	7.14918311994488e-07	0.993613227262855
KIRC	ARID1A	cg04360147	-0.016489715499025	325	-0.295937602607661	0.767468493533586	0.000271910717238786	0.871163449049525
KIRC	ARID1A	cg14851949	0.0706805555524042	325	1.27149723591458	0.204469450134533	0.0049957409331965	0.3886173414714
KIRC	ARID1A	cg17385674	-0.121526864046381	542	-2.83720261301341	0.00472302422953702	0.0147687786849476	0.023698590487139
KIRC	ARID1A	cg20413923	0.0444969063254075	325	0.798018034046295	0.425449982831048	0.00197997467253209	0.620148248127892
KIRC	ARID1A	cg21294655	0.0684884542143218	325	1.23187392376758	0.218895010280067	0.00469066836066725	0.406772530151387

KIRC	ARID1A	cg24542126	-0.0805637832772018	325	-1.45037992946488	0.147925975408837	0.00649052317593595	0.312804526018374
KIRC	ARID1A	cg25601319	-0.167905124151023	325	-3.05634010549158	0.00242805465766482	0.0281921307161704	0.0138990495981146
KIRC	ARID2	cg00035453	-0.194503122797998	325	-3.5581883959428	0.000429579058353993	0.037831464778173	0.00329767843552305
KIRC	ARID2	cg01183821	-0.0532559887697713	325	-0.957002641068713	0.339283877081493	0.00283620033984601	0.538559242867182
KIRC	ARID2	cg01353809	-0.142759482694227	325	-2.58823758601145	0.0100841413890237	0.0203802698991234	0.0429090451823305
KIRC	ARID2	cg01751433	-0.0260337842968691	325	-0.467317948164552	0.640588496718194	0.00067775792481591	0.788851397213396
KIRC	ARID2	cg06613666	0.174658134105643	325	3.18305445973793	0.00159955159346436	0.0305054638092646	0.00991676097082932
KIRC	ARID2	cg07276957	-0.0636802027712538	325	-1.14502437604395	0.253049405944856	0.004055168224988	0.44707770453475
KIRC	ARID2	cg23465749	-0.178758945374305	314	-3.20405639471024	0.00149562536754774	0.0319547605513339	0.00937933735131066
KIRC	ARID4A	cg02136725	-0.0509489904061489	325	-0.915435862336728	0.360647892800028	0.00259579962340585	0.559591562568271
KIRC	ARID4A	cg06154646	0.0639444863415976	325	1.1497958900314	0.251081198671826	0.00408889733349076	0.444697798348452
KIRC	ARID4A	cg08066755	-0.0129796431195937	325	-0.232930990525913	0.815962985898938	0.000168471135512017	0.900926777599523
KIRC	ARID4A	cg08790491	-0.11936069879699	541	-2.78329787889719	0.00557083294394239	0.0142469764173058	0.0270404553591473
KIRC	ARID4A	cg10064886	0.0912152341618073	325	1.64365090755543	0.101224331295041	0.00832021894319333	0.240337116702775
KIRC	ARID4A	cg10242170	0.0389176300358369	325	0.698881360281504	0.485130651922224	0.00151458192760628	0.671749918757565
KIRC	ARID4A	cg10844118	-0.195352125967505	325	-3.57433467695413	0.000404876923836151	0.0381624531200238	0.00313527726586796
KIRC	ARID4A	cg12203852	0.044381298226247	542	1.02947375981114	0.30372055886132	0.00196969963224708	0.502213470700737
KIRC	ARID4A	cg14272338	0.000263081110455319	325	0.0047208219094675	0.996236266401694	6.92116706784039e-08	0.998170169676088
KIRC	ARID4A	cg14460816	-0.086199443792428	325	-1.5525725459876	0.121507569018604	0.00743034411012395	0.273015698333808
KIRC	ARID4A	cg17323045	0.0775359799614986	325	1.3955345976368	0.163816292989529	0.00601182818858992	0.335005855154289
KIRC	ARID4A	cg19548283	-0.175711299813976	325	-3.20285743596506	0.00149671655907191	0.030874460882317	0.00938391102485814
KIRC	ARID4A	cg20996579	-0.0302139728473075	325	-0.542417997744498	0.587905780912059	0.000912884155217833	0.751672977570429
KIRC	ARID4A	cg26429530	-0.198955422331086	325	-3.6429554074822	0.000314026405362506	0.0395832600749406	0.00253943556951879
KIRC	ARID4A	cg27026909	-0.130396562802548	325	-2.36003281474759	0.0188694246309942	0.0170032635907187	0.0696389232707838
KIRC	ARID4B	cg05652840	0.171011677512387	325	3.11457564741678	0.00200763823421451	0.0292449938456006	0.0119359731595326
KIRC	ARID4B	cg06212607	-0.127203079592648	542	-2.97185135101113	0.00309276689532847	0.0161806234578537	0.0168710965468889
KIRC	ARID4B	cg06891548	-0.241881491675839	325	-4.47323739727115	1.06967967645146e-05	0.0585066560153289	0.000139015470681364
KIRC	ARID4B	cg07814876	-0.19174948699666	325	-3.50587691937671	0.000519667668985921	0.0367678657634821	0.00387306252549251
KIRC	ARID4B	cg10107779	0.225842963972577	325	4.16008829908311	4.08552530875881e-05	0.0510050443759188	0.000446264189651197
KIRC	ARID4B	cg11732257	-0.132404828974029	325	-2.39702377225086	0.0170984674522631	0.0175310387356419	0.0645457189917195
KIRC	ARID4B	cg22596515	0.19525485395377	325	3.57248434186264	0.000407638571269009	0.0381244579925079	0.00315352376822805
KIRC	ARID4B	cg23687319	-0.132763880340249	542	-3.10404997686233	0.00200950528758878	0.0176262479229999	0.0119452475237015
KIRC	ARID4B	cg26020585	0.193972567829515	325	3.54810256236269	0.000445719368149588	0.0376253570703759	0.00340377859289575
KIRC	ASH1L	cg03119126	0.0167335769532879	325	0.300315351900224	0.764130417191157	0.000280012597651607	0.869050942241682
KIRC	ASH1L	cg08095278	0.222323685248161	325	4.09186332267817	5.41398461271262e-05	0.0494278210223235	0.000568464730680747
KIRC	ASH1L	cg09410084	0.0822960434296313	325	1.48177599343958	0.139377830803203	0.00677263876417176	0.300345114249034
KIRC	ASH1L	cg10558228	-0.233491897196225	322	-4.2888477545158	2.38322363804875e-05	0.0545184660562926	0.000279049517908435
KIRC	ASH1L	cg17038116	-0.0894690222917168	542	-2.0816371423679	0.0378486757813809	0.00800470594983572	0.117572067245707
KIRC	ASH1L	cg20064047	-0.00386153064900837	325	-0.0692932067438195	0.944799244286902	1.4911418953231e-05	0.970464388585564
KIRC	ASH1L	cg21852905	-0.0603668402631364	325	-1.08522338594508	0.278634536616157	0.00364415540335503	0.475561543254
KIRC	ASH1L	cg23821590	0.0986344448905877	325	1.77860478389021	0.07624799573633	0.00972875371887439	0.196184441220839
KIRC	ASH1L	cg24312492	-0.00715849449787401	325	-0.128457882588711	0.897866820221854	5.12440434760925e-05	0.945971605573538
KIRC	ASH1L	cg26185843	-0.0522315655930286	325	-0.93854304624371	0.34866886050583	0.00272813644429885	0.547800572234486
KIRC	ASH2L	cg00590869	0.0650508382216724	325	1.16977319495372	0.242957371270355	0.00423161155334219	0.435498288954054
KIRC	ASH2L	cg01642070	-0.117475440599902	325	-2.12271957479882	0.0345400943201714	0.0138004791441412	0.109727707348228
KIRC	ASH2L	cg02897270	-0.0587354782939511	325	-1.05579321684624	0.291854194368872	0.0034498564104192	0.489585017719289
KIRC	ASH2L	cg03189282	-0.315628764296553	325	-5.96886775623817	6.30331191992522e-09	0.0996215168513692	1.79049581576854e-07
KIRC	ASH2L	cg03705346	-0.00153358739435201	325	-0.0275192742720492	0.978062614343221	2.35189029611539e-06	0.988635989452152
KIRC	ASH2L	cg10062221	0.0014049315026211	325	0.0252106193543845	0.979902582862693	1.97383252705717e-06	0.989664496271231
KIRC	ASH2L	cg21453287	-0.055676638336117	325	-1.00063368530771	0.317755292008332	0.00309988805641077	0.517038827290725
KIRC	ASH2L	cg24318412	0.0458822809085878	542	1.06436297569619	0.28764265441758	0.00210518370137456	0.48514596864455
KIRC	ASH2L	cg27255459	-0.0301527302472442	325	-0.541317535079381	0.588663050277045	0.000909187141363074	0.75217143263723
KIRC	ASXL1	cg00174466	-0.0733266648823563	325	-1.31935168380761	0.187988929864664	0.00537679978276939	0.367470728181388
KIRC	ASXL1	cg04218270	-0.207084405147253	325	-3.79833295332777	0.000174115464168962	0.0428839508551917	0.00154677839666098
KIRC	ASXL1	cg09065199	0.016159289436013	542	0.374512322843007	0.708171034784459	0.00026112263507684	0.833687901758625
KIRC	ASXL1	cg10421984	-0.0116776531099826	325	-0.209562282439085	0.834141843399029	0.000136367582157087	0.911035415361712
KIRC	ASXL1	cg12592359	-0.264739814919338	325	-4.92635922325246	1.34213299661032e-06	0.0700871696035255	2.21771228416107e-05

KIRC	ASXL1	cg16926526	-0.141296013037691	325	-2.5611614341583	0.0108876092439888	0.0199645633003474	0.0455675126985289
KIRC	ASXL1	cg18793288	-0.0284636436807328	325	-0.510968854917997	0.609723018917169	0.000810179011583722	0.767173328162681
KIRC	ASXL1	cg24727216	-0.114258143236969	325	-2.06380474018682	0.0398371324230988	0.0130549232959597	0.122126807996633
KIRC	ASXL2	cg05165989	0.0925078655692412	325	1.6671430854327	0.0964582221396137	0.00855770519217681	0.232109589938727
KIRC	ASXL2	cg05496738	0.168031383350363	325	3.05870512411182	0.00240951318059478	0.0282345457906367	0.013817313015715
KIRC	ASXL2	cg06583696	0.176829629710027	325	3.22389813704028	0.00139418386606123	0.0312687179433852	0.00885308461973449
KIRC	ASXL2	cg09476286	0.188023004606077	325	3.43522064038074	0.00066962584761299	0.0353526502610969	0.00480030162082611
KIRC	ASXL2	cg19084174	0.0643374285713796	325	1.15689072421399	0.248174528245798	0.00413930471517737	0.441471582139364
KIRC	ASXL2	cg20667782	0.14703548794625	325	2.6674494276919	0.00802936935782704	0.0216194347155919	0.0360291146001498
KIRC	ASXL2	cg24738909	0.167914224493379	325	3.05651056297556	0.00242671391593885	0.0281951867872129	0.0138923969664101
KIRC	ASXL3	cg09963640	-0.287218506503593	325	-5.38066570090722	1.43103677127245e-07	0.0824944704781546	2.99989422216031e-06
KIRC	ASXL3	cg12361352	-0.171071315357764	325	-3.10114648037903	0.00209979396602137	0.0292653949382355	0.0123603145302179
KIRC	ASXL3	cg17880622	-0.141098371342389	325	-2.55750611516117	0.0110003483699775	0.0199087503954746	0.0459087504879651
KIRC	ASXL3	cg20034091	-0.151389337998819	325	-2.74826041190094	0.00632902450163408	0.0229187316597206	0.0299179684747155
KIRC	ASXL3	cg20329085	-0.170289755010455	325	-3.10103400522134	0.00209892701118631	0.0289986006615208	0.0123589326464118
KIRC	ASXL3	cg24880056	-0.229328558294365	325	-4.22782943747253	3.07775986627673e-05	0.0525915876493717	0.000348415673802579
KIRC	ASXL3	cg27109877	-0.196946028287047	325	-3.60466999651417	0.000362031568311127	0.0387877380580423	0.00285949472545322
KIRC	ATAD2B	cg08192560	-0.133704509274545	325	-2.42097902231943	0.0160313143383004	0.0178768958003469	0.0613840659365922
KIRC	ATAD2B	cg14009731	-0.0249994856873959	325	-0.448739979503454	0.65392107477609	0.00062497428463431	0.798031123421015
KIRC	ATAD2B	cg15717719	0.0453079576624599	325	0.813858010195484	0.416327721377735	0.00205281102754326	0.611898710690714
KIRC	ATAD2B	cg16929802	0.0210757011286264	325	0.378273956703896	0.705476348498618	0.000444185178063185	0.832009263603861
KIRC	ATAD2B	cg17933838	0.00138515319960678	325	0.0248557093595878	0.980185451373895	1.91864938638089e-06	0.989801346921421
KIRC	ATAD2B	cg19614157	-0.0795194465894851	325	-1.43145843108663	0.153268733400134	0.00632334238589797	0.320448640416981
KIRC	ATAD2B	cg20806130	-0.0241173907170507	325	-0.432897019053838	0.665379396669949	0.000581648534998884	0.805805451446082
KIRC	ATAD2B	cg27610867	-0.0295191668030972	325	-0.529933447453926	0.59652328292875	0.000871381208749074	0.757645863319851
KIRC	ATAT1	cg01245721	-0.117509528230429	325	-2.12334414349664	0.0344873456606033	0.0138084892249381	0.109600415389557
KIRC	ATAT1	cg05093836	-0.0867975728471051	325	-1.56342718193923	0.118934378927543	0.00753381865214851	0.269113204220042
KIRC	ATAT1	cg06814856	-0.0650931251963152	325	-1.17053685285312	0.242650554525831	0.00423711494782316	0.435088674659624
KIRC	ATAT1	cg07142893	-0.075709282496416	325	-1.36246486731789	0.174003413329429	0.00573189545612212	0.349136706496699
KIRC	ATAT1	cg07816366	-0.0611280076206816	325	-1.09895800291999	0.272607380180639	0.00373663331567411	0.468989109307428
KIRC	ATAT1	cg08081524	-0.0546902191603803	325	-0.982851861613884	0.326418253692314	0.00299102007181043	0.525873542655315
KIRC	ATAT1	cg08188471	-0.204848409961309	325	-3.74383255266419	0.000214836526241692	0.0419628710636764	0.00184205805383513
KIRC	ATAT1	cg08635134	-0.125891403194807	325	-2.27715746380871	0.0234323530223444	0.0158486453983575	0.0820717874485731
KIRC	ATAT1	cg09532691	-0.00322826751671015	325	-0.0579294913389588	0.953840723797373	1.04217111594459e-05	0.975563901850235
KIRC	ATAT1	cg12907138	-0.0315545825867524	325	-0.566508844828786	0.571442560092505	0.000995691682224178	0.739311533674311
KIRC	ATAT1	cg13542073	-0.205930438108802	325	-3.77622685324773	0.000189585415367498	0.0424073453396833	0.00165863785459954
KIRC	ATAT1	cg13964084	0.0763274835179954	542	1.773931563776	0.0766410703880943	0.00582588474018986	0.196935378125378
KIRC	ATAT1	cg15381130	-0.0401860907141659	325	-0.721696593548416	0.471004760019252	0.00161492188688717	0.659384626337305
KIRC	ATAT1	cg15729859	-0.102968567288023	325	-1.85757863414481	0.0641416119338633	0.0106025258493481	0.172849957003705
KIRC	ATAT1	cg18298197	-0.034138621740501	325	-0.612952951084465	0.540340123123982	0.00116544549434101	0.715639271652202
KIRC	ATAT1	cg20629923	-0.155339880161379	325	-2.82172719935601	0.00507331295146331	0.0241304783685516	0.0250761362059938
KIRC	ATAT1	cg22759096	-0.128801542090571	325	-2.33067464998973	0.0203877032428199	0.0165898372449091	0.0738793080898048
KIRC	ATAT1	cg23328390	-0.0933064754003913	325	-1.68166119636895	0.0936040935673764	0.00870609835164383	0.227195309194112
KIRC	ATAT1	cg26934609	-0.0881616570382452	325	-1.58818849480361	0.113225120155544	0.00777247777172917	0.260302352674037
KIRC	ATF7IP	cg00236831	0.061198532816531	325	1.10023066708255	0.272053468974095	0.00374526041889603	0.468450553694653
KIRC	ATF7IP	cg11409060	-0.231947781745869	325	-4.27884579697485	2.48048607685362e-05	0.0537997734568294	0.000288915906367346
KIRC	ATF7IP	cg11697652	-0.240331018668742	217	-3.61342154492969	0.000377035183234212	0.0577589985343553	0.00296004390397843
KIRC	ATF7IP	cg12526346	-0.0987791704579128	325	-1.78124021299866	0.0758157394418598	0.00975732451635339	0.195388909896642
KIRC	ATF7IP	cg12948116	-0.0412582221988402	325	-0.740983262558951	0.45924360437164	0.00170224089900887	0.649145958254367
KIRC	ATF7IP	cg17439009	0.0626508808572563	325	1.12644275534596	0.260816945985752	0.00392513287219012	0.456066746919181
KIRC	ATF7IP	cg19789919	0.0134312241587097	325	0.241036442858531	0.809680277054422	0.000180397782401506	0.897153747712853
KIRC	ATF7IP	cg21275967	0.0771134726262993	325	1.38788446554472	0.166131808107694	0.00594648766048701	0.338450161837583
KIRC	ATF7IP	cg26637901	-0.0745535635739274	529	-1.71137180409829	0.0876042670104989	0.00555823384157163	0.216682129842768
KIRC	ATM	cg01756564	-0.158723309405143	325	-2.88475773222346	0.00418122295037247	0.0251930889485209	0.0215071448162706
KIRC	ATM	cg01800843	0.0192142625730278	542	0.445339325538722	0.656254020342417	0.000369187886225257	0.799658932984321
KIRC	ATM	cg01991180	-0.0241045097017393	325	-0.432665675794358	0.665547305550428	0.000581027387961244	0.805836605429406
KIRC	ATM	cg02105423	0.0960915069706929	325	1.73231673285224	0.0841747477846162	0.00923357771189872	0.210546824471957

KIRC	ATM	cg03165700	-0.126057699406837	542	-2.94465769621693	0.00337318127060447	0.0158905435797445	0.0180949706085646
KIRC	ATM	cg03569616	-0.0670060067745538	325	-1.20508815230713	0.229054170614335	0.00448980494387155	0.41902504759016
KIRC	ATM	cg04709886	0.0607765121274392	325	1.09261532829998	0.275379506134216	0.00369378442637677	0.471828858046773
KIRC	ATM	cg04826772	-0.0425331594457125	325	-0.763921565346341	0.445473376987799	0.00180906965243441	0.637406534778804
KIRC	ATM	cg05033322	-0.0684625048244486	325	-1.23140498427403	0.219070024835645	0.00468711456683765	0.407000537627211
KIRC	ATM	cg05637308	0.00277795841058922	325	0.0498488738082808	0.960273725787835	7.71705293096337e-06	0.979166296042086
KIRC	ATM	cg06053805	-0.0855923690585571	325	-1.54155729644442	0.124163347603226	0.00732605364105624	0.277179851453321
KIRC	ATM	cg06081482	-0.0356606712791765	325	-0.640315136429855	0.522423114390775	0.00127168347608148	0.70225120109405
KIRC	ATM	cg06750635	-0.117306422632401	324	-2.11632896569517	0.035086206175598	0.0137607967908115	0.11105897071345
KIRC	ATM	cg09808176	-0.0562894773213444	325	-1.0116825901388	0.312449436188109	0.00316850525711015	0.51150444947007
KIRC	ATM	cg10610482	-0.148446280120568	325	-2.69361726552067	0.00743842465677717	0.0220362980816342	0.0339572095387197
KIRC	ATM	cg10976287	0.0984531742667004	325	1.77530403597707	0.0767922222539668	0.00969302752318927	0.197193402806572
KIRC	ATM	cg11588932	-0.0592730165195698	325	-1.06548958859659	0.287452714006314	0.00351329048732919	0.48494126240772
KIRC	ATM	cg12019961	-0.0140088430674997	325	-0.250622396319528	0.802266902409114	0.000196247684089834	0.892103364865846
KIRC	ATM	cg12106634	0.00186961634017373	325	0.0335491243975194	0.973257478694553	3.49546525944461e-06	0.985955430860693
KIRC	ATM	cg12848864	-0.0828188089971476	325	-1.49125341450691	0.136873953842507	0.00685895512370602	0.296625689200322
KIRC	ATM	cg14761454	-0.037206077970563	321	-0.663939115173426	0.507210360858196	0.00138429223795162	0.689999273076852
KIRC	ATM	cg15370815	-0.0298368647146017	325	-0.535641872906555	0.592575851465647	0.000890238495997443	0.754827839090231
KIRC	ATM	cg15504467	-0.0158355085602995	325	-0.284193676674394	0.776444624756806	0.000250763331363319	0.876278207748778
KIRC	ATM	cg16693212	-0.044608009551406	325	-0.801259713025629	0.423572160132535	0.00198987451613833	0.618621126276579
KIRC	ATM	cg16788234	0.0771041854360547	325	1.3877163154322	0.166182979529257	0.00594505541175751	0.33852781454081
KIRC	ATM	cg17114932	0.00236458005169989	325	0.0424309906404921	0.966181421957774	5.59123882089704e-06	0.982241937479196
KIRC	ATM	cg17420659	0.0420874802673247	325	0.755902615012625	0.450260205945924	0.00177135599525244	0.641176799393001
KIRC	ATM	cg18042593	-0.0341565816309617	325	-0.613275794313126	0.540126935906976	0.00116667206871255	0.715422764351962
KIRC	ATM	cg18391757	-0.0364677645747414	325	-0.654826210064163	0.513047135129817	0.00132989785307876	0.694749840382415
KIRC	ATM	cg18457775	0.0170351596689727	542	0.394817483374471	0.693134356840585	0.000290196664947394	0.823855164434462
KIRC	ATM	cg19288979	-0.0723844208056071	325	-1.30230819819814	0.193741775510832	0.00523950437536321	0.374858797823505
KIRC	ATM	cg20342375	0.0584729329501862	325	1.05105763380165	0.294020272822503	0.00341908388779697	0.49178565472597
KIRC	ATM	cg22477592	-0.0648717021138865	542	-1.50646204159725	0.132536604429059	0.00420833773515283	0.290013293343671
KIRC	ATM	cg22678707	0.0619531284119321	325	1.11384877975607	0.266174801899941	0.00383819012002534	0.46198885654055
KIRC	ATM	cg22837512	-0.109507748057418	325	-1.97693568931628	0.0489016775217175	0.011991946884607	0.1419234135842
KIRC	ATM	cg23275463	-0.0171430534385012	325	-0.307666308208964	0.758535164182509	0.000293884281195309	0.86543269819248
KIRC	ATM	cg23389069	0.0529361516147953	325	0.95123901245813	0.342196507887557	0.00280223614778459	0.541381988420333
KIRC	ATM	cg24030675	-0.0854711621361288	325	-1.53935822864264	0.124698951920475	0.00730531955690042	0.277917755822604
KIRC	ATM	cg24568245	-0.00125337999995274	325	-0.0224911176531997	0.982070128083441	1.57096142428152e-06	0.990658193082618
KIRC	ATM	cg25400013	-0.092828836253734	325	-1.67297769331318	0.0953028947628063	0.00861719284022256	0.230119603798428
KIRC	ATM	cg25740661	0.0299381056066334	325	0.537461012672402	0.591320432141959	0.000896290167313932	0.75400787524904
KIRC	ATM	cg25918541	-0.0758469905619669	325	-1.36495738866759	0.17321940160809	0.00575276597730709	0.348118744239286
KIRC	ATM	cg27453365	-0.0727901348938681	325	-1.30964639741563	0.19124912118314	0.00529840373786751	0.371737104497944
KIRC	ATM	cg27599391	-0.058980066125747	325	-1.06020509442491	0.289845897508513	0.00347864820019749	0.487308935419101
KIRC	ATR	cg00911981	0.229402195109735	325	4.2292623797354	3.05925246046914e-05	0.0526253671211651	0.000346825249066943
KIRC	ATR	cg00969988	0.0326423316624388	325	0.586058011843596	0.558247095614323	0.00106552181636065	0.729324746616048
KIRC	ATR	cg11458642	0.0556683398930348	542	1.29202045519255	0.196905804274045	0.00309896406644645	0.379076199304488
KIRC	ATR	cg11936145	-0.00092849402531363	325	-0.0166612367860377	0.986717190067314	8.62101155043123e-07	0.993007258731262
KIRC	ATR	cg15135999	0.125677142266292	325	2.2732196041663	0.0236712890862352	0.0157947440882219	0.0827484615428499
KIRC	ATR	cg15291273	0.0135286972950217	325	0.242786012605431	0.808325748715797	0.000183025650500329	0.896291185672497
KIRC	ATR	cg15480357	0.0460924144005156	325	0.827978798125441	0.408295743059271	0.00212451066526886	0.604268484529748
KIRC	ATR	cg16031872	0.144780625611739	325	2.62565997496874	0.00906101964464101	0.0209614295525266	0.0395412283440272
KIRC	ATR	cg17945282	-0.00853552725018358	325	-0.153170140217909	0.878360045177557	7.28552254386264e-05	0.935408422792357
KIRC	ATR	cg20032934	-0.060694147689715	325	-1.09112913553538	0.27603184600637	0.00368377956378094	0.472539696503743
KIRC	ATR	cg20636078	0.0180563765163407	542	0.418493342667404	0.675753768097921	0.00032603273289986	0.812550638134839
KIRC	ATR	cg24631870	0.0614445123570332	325	1.1046696265319	0.270127528204492	0.00377542809879361	0.466181936330386
KIRC	ATR	cg24856922	0.136344670716583	325	2.46968085379549	0.0140415208380174	0.0185898692328136	0.0554772002068425
KIRC	AURKB	cg02245743	-0.0272341936851032	325	-0.488881469086471	0.625258424276846	0.000741701305677716	0.778174506186395
KIRC	AURKB	cg04612488	-0.0620782080481934	325	-1.11610626429374	0.265208842838232	0.00385370391447478	0.460888120624537
KIRC	AURKB	cg05617798	-0.0992412405592346	325	-1.7896551994387	0.0744489648456339	0.00984882382773587	0.192811864012293
KIRC	AURKB	cg05811247	-0.0242188492596458	325	-0.434719223797945	0.66405743081509	0.000586552659461444	0.804883827340489

KIRC	AURKB	cg11009596	-0.0361349128573292	542	-0.837910969313881	0.40245348765005	0.00130573192720678	0.598998749105532
KIRC	AURKB	cg12844497	0.0111049052768297	542	0.257352731000282	0.797005071329349	0.000123318921207361	0.888951979763185
KIRC	AURKB	cg13678641	-0.0935989237483464	325	-1.68697849935917	0.0925759444640627	0.00876075852684876	0.225403055417273
KIRC	AURKB	cg21724796	-0.0728886998295907	325	-1.31142925173442	0.190647113117098	0.00531276256284817	0.370937686462535
KIRC	BAP1	cg00794529	-0.159768720416364	325	-2.9042538552013	0.00393575630278993	0.0255260440234824	0.0205075837789176
KIRC	BAP1	cg02503646	0.00189966870435014	325	0.0340883976656255	0.972827781379184	3.60874118628732e-06	0.985688331765356
KIRC	BAP1	cg03075736	-0.0431556963407332	325	-0.775123420869113	0.438835578249626	0.00186241412665358	0.631567968593469
KIRC	BAP1	cg05442719	0.0732625865615332	324	1.31614403676681	0.189064764027523	0.00536740658968614	0.368827530286302
KIRC	BAP1	cg05908979	0.0453258207180235	325	0.81417954121278	0.416143796841399	0.00205443002376241	0.611728424575971
KIRC	BAP1	cg09096430	-0.121837824341003	325	-2.2027117479768	0.0283232260654518	0.0148444554401491	0.094613597229801
KIRC	BAP1	cg10449522	-0.0708997902943215	325	-1.27546102063824	0.203065512829967	0.00502678026377877	0.386908235358016
KIRC	BAP1	cg10956904	-0.0467253196508476	325	-0.839372667429837	0.401882950150088	0.00218325549647388	0.59843581386934
KIRC	BAP1	cg11234564	0.129503602933921	325	2.34359459497696	0.0197068232565568	0.0167711831728665	0.0720056647607244
KIRC	BAP1	cg12859382	0.0489290381416903	325	0.879053078170114	0.380028007156019	0.00239405077347099	0.578447999152699
KIRC	BAP1	cg16841708	0.0347689739774403	325	0.624284388863495	0.53288288496417	0.00120888155144392	0.710066307301953
KIRC	BAP1	cg24291822	-0.026536561255579	325	-0.476349316597189	0.634148597388737	0.000704189083271097	0.784539555148944
KIRC	BAP1	cg24747396	-0.0204101478373378	542	-0.473068215964107	0.636356741044832	0.000416574134741983	0.785951899332007
KIRC	BAP1	cg25749966	-0.0528973925345161	325	-0.950540574048216	0.34255054971434	0.00279813413695067	0.541754812345797
KIRC	BAZ1A	cg00169548	-0.169023189705926	217	-2.50282266753653	0.0130720189200242	0.0285688386583655	0.0525460982723279
KIRC	BAZ1A	cg05294307	0.0156923250579102	325	0.280747413458496	0.779085565443006	0.000246249065723116	0.87783488600208
KIRC	BAZ1A	cg07414384	-0.0469736999741466	542	-1.08973671541539	0.276317903022655	0.00220652848926114	0.472881169488839
KIRC	BAZ1A	cg23422263	-0.0710952038516584	325	-1.27899427268175	0.201820023438215	0.00505452801070886	0.385240808890634
KIRC	BAZ1A	cg26967526	-0.0261796233043102	325	-0.469937613328342	0.638717691247654	0.000685372676355579	0.78757971267903
KIRC	BAZ1B	cg00525989	0.120590263911693	325	2.17982246627871	0.0299946572789485	0.0145420117502916	0.0986765495986179
KIRC	BAZ1B	cg04742505	0.244296071900847	325	4.52071069309887	8.67104074816782e-06	0.0596805707461838	0.00011532825166062
KIRC	BAZ1B	cg05166819	0.122630199548716	325	2.21725513589837	0.0273036400047391	0.0150381658413578	0.0920223278107909
KIRC	BAZ1B	cg06059318	0.186585304364757	325	3.40800231645788	0.000737504700407379	0.0348140758048891	0.00520579572239571
KIRC	BAZ1B	cg06394887	0.239350906348721	325	4.42357802338909	1.32986661976455e-05	0.0572888563699542	0.000167784047709964
KIRC	BAZ1B	cg14093368	-0.0562301272068076	542	-1.30510026730098	0.192417648460464	0.00316182720569377	0.373094851681995
KIRC	BAZ1B	cg15636799	0.0114384798632774	325	0.205269611788054	0.837491187491783	0.000130838821582603	0.912988739503871
KIRC	BAZ1B	cg19160975	-0.0155218664914243	325	-0.278563494997987	0.780758634167315	0.000240928339377601	0.878915538251557
KIRC	BAZ1B	cg20612831	0.0469076052999009	325	0.842654449979145	0.400047191723214	0.00220032343497129	0.596862654836067
KIRC	BAZ1B	cg21340129	0.0936154263658283	325	1.68727856346962	0.0925181969579445	0.00876384805365583	0.225304761751333
KIRC	BAZ1B	cg25710357	0.178870152540869	325	3.2623226232055	0.00122354564650073	0.0319945314699938	0.0079446214860093
KIRC	BAZ2A	cg14634319	0.104118131642524	542	2.42594172758609	0.0155971089032381	0.01084058533673	0.0601656909812321
KIRC	BAZ2A	cg18206859	-0.0727702534048178	325	-1.30928678334655	0.191370720516122	0.00529550978060139	0.371850351650821
KIRC	BAZ2A	cg18955060	-0.0248701375912482	325	-0.446416744544964	0.655596303394457	0.000618523743807614	0.799187706308326
KIRC	BAZ2A	cg25683012	0.0639829337107679	542	1.48573747405562	0.137935390143839	0.00409381580623652	0.298194962924826
KIRC	BRD7	cg03021120	-0.0681695588274824	325	-1.22611124002156	0.221052727282587	0.00464708875073358	0.409325332434104
KIRC	BRD7	cg16433860	0.003421449024456	325	0.0613960670577358	0.95108187444455	1.17063134269509e-05	0.974102246315845
KIRC	BRD7	cg16834187	0.0991105040212659	507	2.23159357567747	0.0260825031342205	0.00982289200734937	0.0889550087228896
KIRC	BRD8	cg01096096	0.00995246627367164	325	0.178599467725023	0.858364528403442	9.90515849285715e-05	0.924683003092162
KIRC	BRD8	cg03204906	-0.136581186350166	325	-2.47404634785768	0.0138743371361877	0.0186544204648187	0.0549986800311352
KIRC	BRD8	cg03684156	-0.0357395949112347	325	-0.641734082178365	0.521502410296086	0.00127731864441915	0.701469327629716
KIRC	BRD8	cg07430605	0.0289401103993068	542	0.670917731520172	0.502561401960165	0.000837529989924066	0.686128037487742
KIRC	BRD8	cg07632946	0.0290480200828897	325	0.521468135050939	0.60239916781239	0.000843787470735966	0.761748375361917
KIRC	BRD8	cg08976717	-0.00709849754396193	325	-0.12738119367401	0.898718210887648	5.03886673816335e-05	0.946471246365779
KIRC	BRD8	cg11110536	0.0344681449345462	325	0.618876485930358	0.536435301188286	0.00118805301522888	0.712547274258077
KIRC	BRD8	cg11346339	0.0185772916520568	325	0.333415118712124	0.739037954645273	0.000345115765125581	0.853018352990141
KIRC	BRD8	cg12964860	-0.202269227543595	325	-3.70619882002604	0.000247604121962712	0.0409128404110826	0.00207454120236588
KIRC	BRD8	cg14473243	-0.102990862961039	325	-1.8579851653037	0.0640836800391919	0.0106071178534594	0.172759670269567
KIRC	BRD8	cg22106577	0.0241015649767058	325	0.432612788511722	0.665585693493683	0.000580885434326373	0.805836605429406
KIRC	BRD8	cg22818036	-0.180361070681458	325	-3.29042512809138	0.0011112465854023	0.0325301158173621	0.00732674945883433
KIRC	BRD8	cg23298160	-0.100093622119486	325	-1.80518141239072	0.0719802784928317	0.0100187331889984	0.188147093107699
KIRC	BRD8	cg26008208	-0.0180304875607382	325	-0.32359813663391	0.746452366153406	0.000325098481677935	0.857615389883488
KIRC	BRD8	cg26630792	-0.00024661245994880	325	-0.0044253025128747	0.996471871297828	6.08177054020008e-08	0.998268379680933
KIRC	BRD8	cg27119451	-0.0286797875375381	542	-0.66487768357302	0.50641415491602	0.000822530213198323	0.689440040032495

KIRC	BRD9	cg02364331	-0.015703803572654	325	-0.281391469657526	0.778591463598418	0.000246609446648499	0.877568013897064
KIRC	BRD9	cg02822723	-0.00042519680824463	542	-0.0098531972717212	0.992142072569665	1.8079232574142e-07	0.99581586686989
KIRC	BRD9	cg05193570	-0.176660814033641	325	-3.22072114844703	0.00140923668133197	0.0312090432150286	0.00892681038901877
KIRC	BRD9	cg07308931	-0.0892643649876855	325	-1.60821179397697	0.108768810477651	0.00796812685665473	0.252916094042874
KIRC	BRD9	cg09497020	-0.0599022560379073	325	-1.07684129445353	0.282357281153674	0.003588280278431	0.479516729175448
KIRC	BRD9	cg10551270	-0.113085325768835	324	-2.03917088056809	0.0422517207321595	0.0127882909042435	0.127429311606988
KIRC	BRD9	cg10600960	-0.0632541087777538	325	-1.13733196085779	0.256245147296345	0.00400108227726791	0.450534172326807
KIRC	BRD9	cg13722821	-0.109962500312271	325	-1.98524557313846	0.0479652361999566	0.0120917514749261	0.139978526651139
KIRC	BRD9	cg17977043	-0.067758487887009	325	-1.21868343024687	0.223856455682674	0.00459121268073394	0.412885606557398
KIRC	BRD9	cg20079193	-0.0675959631842836	325	-1.2157468768009	0.224971915166314	0.00456921423881102	0.414245666606267
KIRC	BRD9	cg21160852	-0.0778564891033912	325	-1.40133840303786	0.162075980097918	0.00606163289550647	0.332661569197864
KIRC	BRD9	cg21758832	-0.0703297850402196	325	-1.26515565704178	0.206730311421427	0.0049462786638035	0.391460649093749
KIRC	BRD9	cg21910709	-0.0521366383662276	325	-0.936832656265477	0.349546745286981	0.00271822906013079	0.548574867038161
KIRC	BRD9	cg24953233	-0.184741526793986	325	-3.3731293702354	0.000833867387629624	0.0341294317221731	0.00577082817838795
KIRC	BRD9	cg25523559	-0.120861844006113	325	-2.18480431305167	0.0296237904226009	0.014607585336558	0.0977499640369788
KIRC	BRD9	cg25951128	-0.0235280581695796	325	-0.422312815240615	0.673078549039323	0.000553569521231121	0.810871688818933
KIRC	BRD9	cg26504197	-0.0689882500092252	325	-1.24090638027732	0.215543642280396	0.00475937863933536	0.402651966997971
KIRC	BRDT	cg00308185	0.0156506218838	325	0.280874770084715	0.778986838951512	0.000244941965349679	0.877784729415595
KIRC	BRDT	cg01515515	-0.0334297700883863	325	-0.598344340298687	0.550033461314958	0.00111754952816237	0.72275565578663
KIRC	BRDT	cg02935097	-0.119786339833751	325	-2.16507824423772	0.0311158549177226	0.014348767210767	0.10141299668034
KIRC	BRDT	cg03421440	-0.119706295219311	325	-2.16361043771572	0.0312294244974486	0.0143295971151329	0.101719219952877
KIRC	BRDT	cg06442199	-0.124137458181367	325	-2.24493152208343	0.025450986370493	0.0154101085237307	0.0873641633369868
KIRC	BRDT	cg09250199	-0.106632284069093	325	-1.92441996022616	0.0551829414119625	0.0113704440057918	0.15498371074058
KIRC	BRDT	cg13299824	-0.105308472184635	325	-1.90025916593728	0.0582921401029973	0.0110898743138621	0.16121938094328
KIRC	BRDT	cg14732540	-0.0209381510504133	542	-0.485311621151851	0.627653242973365	0.000438406169409924	0.779938640598319
KIRC	BRDT	cg19245011	-0.0376186168389866	325	-0.675520098610908	0.499830207742709	0.00141516033287848	0.683882106576295
KIRC	BRPF1	cg04879506	0.00964425548863995	325	0.173068026282316	0.862706694981729	9.30116639301618e-05	0.926980726925533
KIRC	BRPF1	cg13694772	-0.0279915342021247	325	-0.502487017540051	0.615668450524626	0.000783525986988717	0.771422543207318
KIRC	BRPF1	cg14712964	-0.0281597745391569	542	-0.652812672391522	0.514156421492174	0.000792972902096147	0.695718380812835
KIRC	BRPF1	cg17738494	0.0252591777404607	542	0.585524324288593	0.558441191468649	0.000638026060124187	0.729454195196321
KIRC	BRPF1	cg20952324	0.00116155180996169	325	0.0208433160912385	0.983383553685437	1.34920260722528e-06	0.991373776036452
KIRC	BRPF1	cg25467642	-0.0443973314131487	325	-0.797467970304406	0.425766962167995	0.00197112303660896	0.620438607378422
KIRC	BRPF1	cg26227975	0.00357207795849734	325	0.0640990562254776	0.948931126900096	1.27597409415825e-05	0.972892644588234
KIRC	BRPF3	cg01499736	0.0766836372987448	325	1.38010242094661	0.168512536671195	0.00588038022936544	0.341678804151351
KIRC	BRPF3	cg05882415	-0.0371190567142586	325	-0.666537002559765	0.5055452055555	0.00137782437135635	0.68869618131735
KIRC	BRPF3	cg10562781	0.126608781332214	325	2.29034437647484	0.0226474631726681	0.0160297835104283	0.0799708025080361
KIRC	BRPF3	cg14654948	0.057008547862254	325	1.02464821259873	0.306298347839322	0.0032499745293629	0.504752889273469
KIRC	BRPF3	cg18779695	0.0447284608104155	325	0.803427618633403	0.422320289733849	0.00200063520646888	0.61740714713281
KIRC	BRPF3	cg23517469	0.0413246415119688	325	0.7421781691611	0.458520418788187	0.00170772599609274	0.648494160522745
KIRC	BRWD3	cg03164831	-0.00812076725966538	542	-0.188190860183012	0.850798129657586	6.59468608856531e-05	0.920452663837766
KIRC	BRWD3	cg05835545	0.0458326854048923	325	0.823303319902889	0.410944855667748	0.00210063505142383	0.606817963770547
KIRC	BRWD3	cg09523186	0.0184716855289061	325	0.331519108722678	0.740468069094157	0.000341203166278798	0.853948840238242
KIRC	BRWD3	cg11957438	-0.00871291203497303	313	-0.153412469783287	0.878172826065347	7.59148361291779e-05	0.935337069295422
KIRC	BRWD3	cg15511898	0.0402998808713705	325	0.723743455238755	0.469748701104642	0.00162408039824665	0.658503116564276
KIRC	BRWD3	cg22618269	0.00882833614571189	325	0.158425002175496	0.874221223257629	7.7939519101683e-05	0.933396912548434
KIRC	BRWD3	cg25063710	-0.0158317267278653	542	-0.366918712667762	0.713824190939925	0.000250643571185803	0.837124716669098
KIRC	BRWD3	cg25708850	-0.00100337947289736	321	-0.0178928281417376	0.985735571372638	1.00677036663178e-06	0.992548706178657
KIRC	CARM1	cg12317676	-0.034828564856489	542	-0.807581363013492	0.419689187383314	0.00121302892996266	0.615038158487285
KIRC	CARM1	cg17918830	-0.121979000301978	325	-2.20530260148687	0.0281392135463789	0.0148788765146699	0.0941532033818063
KIRC	CARM1	cg22378614	-0.0853245918982386	325	-1.53669908394339	0.125349028380702	0.00728028598260097	0.278954209853486
KIRC	CARM1	cg26504915	-0.0731661212044002	325	-1.31644749022384	0.188960154612587	0.00535328129209698	0.368706671045965
KIRC	CBX1	cg01544580	0.128527896713646	325	2.32563975192422	0.0206585730917142	0.0165194202336336	0.0746626264853338
KIRC	CBX1	cg01553295	0.0750019856882145	325	1.34966399993441	0.178071870060154	0.00562529785717514	0.354648448822601
KIRC	CBX1	cg02835499	-0.00739425604556815	325	-0.132688808346611	0.894522373106223	5.46750224674212e-05	0.944028921939992
KIRC	CBX1	cg04864609	-0.0913294019321381	325	-1.64572544420263	0.100796001863964	0.00834105965728204	0.23960016882942
KIRC	CBX1	cg11729481	-0.0794390099959155	325	-1.43000126256018	0.153686223102178	0.00631055630913116	0.320970399266713
KIRC	CBX1	cg12245530	-0.0895592179285045	325	-1.61356682836136	0.107600946980791	0.00802085351596536	0.251086090030105

KIRC	CBX1	cg13342109	-0.0836094900250779	325	-1.50559033741913	0.133152670298863	0.0069905468222536	0.290968506551398
KIRC	CBX1	cg17778721	0.0538717416594181	541	1.24903475935743	0.212197564575412	0.00290216454941908	0.398380610048498
KIRC	CBX1	cg21511817	-0.13426447851672	325	-2.43130409104967	0.015589795374643	0.0180269501913668	0.0601522003261992
KIRC	CBX4	cg04398978	0.0999438024033612	542	2.32767825419169	0.0202998518685293	0.00998876363884211	0.073649890669549
KIRC	CBX4	cg04925705	-0.131189620625588	325	-2.37463686616054	0.0181518566974203	0.0172107165598856	0.0675745580666656
KIRC	CBX4	cg05949524	-0.031098976805816	325	-0.558321241563151	0.577013049543945	0.000967146358368679	0.74364920274712
KIRC	CBX4	cg07159673	0.0790931275909508	325	1.4237356663205	0.155491265678776	0.00625572283211842	0.32349684216853
KIRC	CBX4	cg10756274	-0.101196401521979	325	-1.82527460862228	0.0688858369229008	0.0102407116809976	0.182176529697449
KIRC	CBX4	cg21365914	-0.0422564877899525	325	-0.758943455074316	0.448441570855363	0.0017856107603424	0.639770829524145
KIRC	CBX4	cg22353329	-0.089499749111491	325	-1.61248673841231	0.107835693928312	0.00801020509101983	0.251440761014708
KIRC	CBX4	cg27487227	-0.0629759107703779	325	-1.13230989783388	0.258346649836068	0.0039659653373586	0.452949432677808
KIRC	CBX5	cg03689456	-0.0784137631359317	325	-1.41143060807915	0.159083195744157	0.006148718249138	0.328477495745857
KIRC	CBX5	cg05754589	-0.080851097519269	542	-1.87973744184741	0.0606850430732297	0.00653689997007034	0.166014260897294
KIRC	CBX5	cg06399839	-0.0518903835686154	325	-0.932395778729568	0.351830607467531	0.00269261190689803	0.550686045468613
KIRC	CBX5	cg06621757	-0.122724513146263	325	-2.21898646964646	0.027184407783752	0.0150613061269872	0.0917158391503689
KIRC	CBX5	cg08288469	0.148999765992284	325	2.70388808685013	0.00721739898465548	0.0222009302657553	0.0332025162648327
KIRC	CBX5	cg09060496	-0.00572253049736196	325	-0.102688819864086	0.918273868063964	3.27473552932377e-05	0.956973247886281
KIRC	CBX5	cg09158487	-0.155062644117712	325	-2.81656706194674	0.00515350464777236	0.0240444236007761	0.0253950554613798
KIRC	CBX5	cg09653879	0.010209318172978	325	0.183209212987427	0.854749170641253	0.000104230177557098	0.922575503918838
KIRC	CBX5	cg11005091	-0.00357824791677684	541	-0.0828429589211604	0.93400733802119	1.28038581539178e-05	0.964929640430014
KIRC	CBX5	cg11338003	-0.0482178165023322	325	-0.866245360700667	0.387000610690827	0.00232495782825258	0.584929580495089
KIRC	CBX5	cg12263485	-0.0200339889751609	542	-0.464346038905184	0.642588036584946	0.000401360714256868	0.79011038135721
KIRC	CBX5	cg12600134	0.0555596473048617	325	0.998524577474548	0.31877482275319	0.00308687440864063	0.518108987156561
KIRC	CBX5	cg13445218	-0.129177398953984	325	-2.33759105607942	0.0200206877423709	0.0166868004005167	0.0728802070626106
KIRC	CBX5	cg14017196	-0.0504592207174337	325	-0.906613257962282	0.365289277461164	0.00254613295541069	0.56424577548868
KIRC	CBX5	cg14394617	0.214173131938808	325	3.93449662844415	0.000102163409265842	0.0458701304444782	0.000981803614629638
KIRC	CBX5	cg15708001	-0.104692157759161	325	-1.88901434965361	0.059788321644239	0.0109604478962691	0.164224726148998
KIRC	CBX5	cg20545544	-0.0105340207557575	325	-0.189036732885191	0.850183119948322	0.00011096559328273	0.920107198370381
KIRC	CBX5	cg20927027	0.186626943593664	325	3.40879030406794	0.000735452446985057	0.0348296160751127	0.00519464206108186
KIRC	CBX5	cg21826008	0.0463100590733994	325	0.831896830354576	0.406083686560837	0.00214462157138174	0.602419418617729
KIRC	CBX5	cg24505978	0.0490110698802594	325	0.880530395963752	0.379228765901432	0.00240208497080767	0.577728828249016
KIRC	CBX5	cg25817259	0.0767011929999412	325	1.38042024666034	0.168414804376329	0.00588307300761423	0.341553775949637
KIRC	CBX6	cg03028106	-0.189394597363931	325	-3.45044292267727	0.000634739092262432	0.0358703135106457	0.00458663922272436
KIRC	CBX6	cg04134624	0.0502853965181638	542	1.16675266187162	0.243828132986579	0.00252862110298896	0.436515988805585
KIRC	CBX6	cg04215348	0.0131644107570219	325	0.236247377264538	0.813390922289044	0.000173301710579594	0.899471682732575
KIRC	CBX6	cg04801716	0.0112079623837687	325	0.201132327811051	0.840722094769216	0.000125618420795975	0.91465286240687
KIRC	CBX6	cg06060673	0.0409846883324048	325	0.736062396458869	0.462228583817912	0.00167974467770436	0.651726948603099
KIRC	CBX6	cg09913544	-0.134174014700238	325	-2.42963590136008	0.0156603940079642	0.0180026662207798	0.0603230685014639
KIRC	CBX6	cg14498989	0.0320950612047688	325	0.576222140220877	0.564867577215401	0.00103009295373786	0.734469468525738
KIRC	CBX6	cg24649346	0.0453954967558609	542	1.05304726343461	0.292792924981052	0.00206075112571138	0.4904934063908
KIRC	CBX6	cg25836955	-0.200392354548099	325	-3.67036288520201	0.000283410302415424	0.0401570957613308	0.00233061533468345
KIRC	CBX7	cg00545295	-0.0275771959430152	325	-0.495043365379791	0.620907136284116	0.000760501736079453	0.775332593630128
KIRC	CBX7	cg01525244	-0.0086583909968899	325	-0.15537509577315	0.876622969821262	7.49677346550241e-05	0.93469123660963
KIRC	CBX7	cg02523424	-0.0289623108920409	325	-0.51992819569008	0.603470869923729	0.00083881545220723	0.762500817860393
KIRC	CBX7	cg03804568	-0.0263459160466472	540	-0.609594402347528	0.542389320024924	0.000694107292336983	0.7169917860349
KIRC	CBX7	cg10339854	0.0156124960188353	325	0.280190375069564	0.779511368020952	0.00024375003193815	0.878122032689401
KIRC	CBX7	cg22268271	-0.161514540412498	325	-2.9368344671869	0.00355472922734195	0.0260869467646606	0.0188813741302635
KIRC	CBX7	cg26672614	0.02251081406775	325	0.404044501589804	0.686448210571088	0.000506736749992813	0.819519844282975
KIRC	CBX7	cg27062573	0.00248468356434735	325	0.0445861901308986	0.964464787072879	6.17365241493783e-06	0.981356008705089
KIRC	CDYL2	cg01442398	-0.0429812343650384	325	-0.771984081976701	0.440690052008506	0.00184738650754236	0.633310870461549
KIRC	CDYL2	cg02461391	-0.00591101149270224	325	-0.106071162079533	0.915591940452298	3.4940056866858e-05	0.955377314763813
KIRC	CDYL2	cg06919916	-0.0144395031336302	325	-0.259134636093513	0.795696944605982	0.000208499250746115	0.88817907416999
KIRC	CDYL2	cg10112854	-0.0470282039834248	325	-0.844825696627799	0.398835431876216	0.00221165196990662	0.595436470165393
KIRC	CECR2	cg03927893	-0.124205419039392	325	-2.24617979432533	0.0253700667354556	0.015426986118751	0.087149668321258
KIRC	CECR2	cg12632097	-0.101507781082575	325	-1.8309493283891	0.068032064699165	0.010303829620308	0.180593954862719
KIRC	CECR2	cg13466481	-0.0730468612051286	325	-1.31429017432043	0.189684009809273	0.00533584393192132	0.369655498862762
KIRC	CECR2	cg26796679	-0.0993707973526805	325	-1.79201483171386	0.0740693616691075	0.00987455536650749	0.192104170871999

KIRC	CHAF1A	cg03006338	-0.103347099116603	325	-1.8644810296122	0.0631638731766372	0.010680622895817	0.170909787143783
KIRC	CHAF1A	cg04346879	-0.0752628139472014	325	-1.35438430762819	0.176563429383272	0.00566449116325105	0.352557287920948
KIRC	CHAF1A	cg05297461	0.010042399684003	325	0.180213507053386	0.857098316657127	0.000100849791413263	0.923935572266652
KIRC	CHAF1A	cg07783855	-0.118731255338553	325	-2.14573421246537	0.0326415030885074	0.0140971109942688	0.105110353991621
KIRC	CHAF1A	cg09700233	0.0352268276937833	325	0.632515398315769	0.527499032631781	0.0012409293893675	0.706097350939601
KIRC	CHAF1A	cg18804734	-0.0712987082128547	325	-1.28267397104029	0.200528868759604	0.0050835057928218	0.383535988992591
KIRC	CHAF1A	cg23811775	-0.0899317617335794	325	-1.62033347363541	0.10613952175909	0.0080877217685053	0.24846587493159
KIRC	CHAF1A	cg24085258	-0.0763029493281829	542	-1.77335802344893	0.0767361136492596	0.00582214007617925	0.197082964730243
KIRC	CHAF1B	cg00660452	-0.269179485468355	325	-5.01537034559909	8.76269193597741e-07	0.0724575953970085	1.52229758032029e-05
KIRC	CHAF1B	cg02544117	-0.0240841413826305	324	-0.431628065806698	0.666301509229435	0.000580045866138536	0.806357294561381
KIRC	CHAF1B	cg02908490	-0.507795990443644	325	-10.5772638400914	1.22105187137273e-22	0.257856767910642	2.02971173678568e-20
KIRC	CHAF1B	cg04634639	-0.118416793959807	325	-2.13997027323182	0.0331083689950965	0.0140225370917193	0.106251081127203
KIRC	CHAF1B	cg07872789	-0.191127913951128	325	-3.49408069147261	0.000542292915383966	0.0365298794913097	0.00401705723284901
KIRC	CHAF1B	cg13854874	-0.298734578232579	542	-7.25389430349349	1.42317240927788e-12	0.0892423482317966	7.89688119881339e-11
KIRC	CHAF1B	cg25942896	-0.439626144142293	325	-8.78309645925806	9.60079100634579e-17	0.19327114661342	9.31276727615541e-15
KIRC	CHD1	cg03255775	0.0426578057269103	325	0.766164364047134	0.444139794480539	0.00181968838943482	0.636095054527396
KIRC	CHD1	cg03833628	-0.00389757024470765	325	-0.0699399287679418	0.944284887039853	1.51910538124305e-05	0.9701876527382
KIRC	CHD1	cg08865521	0.0164459084541269	325	0.29515119341501	0.768068599679727	0.000270467904881521	0.871477601926643
KIRC	CHD1	cg11365324	-0.00100105298985765	325	-0.0179632626729296	0.98567928607872	1.00210708850294e-06	0.99250487815281
KIRC	CHD1	cg12662497	-0.123098074292015	325	-2.22584460717383	0.0267165318742845	0.0151531358944023	0.0905292274369703
KIRC	CHD1	cg16890600	0.0725803583770455	325	1.3058520631049	0.192535012193734	0.00526790842214036	0.373247993685348
KIRC	CHD1	cg21082921	-0.0315555065386991	325	-0.566525449347727	0.571431289260998	0.00099574999291388	0.739309247064978
KIRC	CHD4	cg00079216	0.00796274540569898	325	0.142890887858197	0.886465727146844	6.34053143959802e-05	0.939767317316644
KIRC	CHD4	cg00824109	0.0879682860116583	542	2.04644550806698	0.0411989394520971	0.00773841934382892	0.125054832250046
KIRC	CHD4	cg04344119	0.0822390993810291	325	1.48074370707241	0.139652680308575	0.00676326946700278	0.300805773712383
KIRC	CHD4	cg05147525	-0.0575690082831447	325	-1.03475503076885	0.301559816233753	0.00331419071470478	0.499953160895501
KIRC	CHD4	cg11565429	-0.0758417617528054	325	-1.36486274558431	0.173249122644846	0.0057519728257693	0.348136132846855
KIRC	CHD4	cg19509514	-0.100511410391652	325	-1.81279293028199	0.0707948721276932	0.010102543618919	0.185885523231462
KIRC	CHD4	cg20308811	-0.0920427289494505	325	-1.65868875766157	0.0981522327936341	0.00847186395246201	0.234916546403822
KIRC	CHRA1	cg00296189	-0.21010931296917	325	-3.8563588515586	0.000138986489062194	0.0441459233963766	0.00127609051458802
KIRC	CHRA1	cg07270064	-0.263027224032822	325	-4.89211388881889	1.5788204681217e-06	0.0691833205824122	2.56094160752834e-05
KIRC	CHRA1	cg08877624	-0.0553138622239703	325	-0.994093711922326	0.320923678931782	0.00305962335413236	0.520376158549726
KIRC	CHRA1	cg12002314	-0.00428354888266956	542	-0.099264704617011	0.920965145559921	1.83487910302197e-05	0.9585588287022
KIRC	CHRA1	cg18770186	-0.0363038773008579	325	-0.651879508172803	0.514943924313624	0.00131797150707574	0.696402179382085
KIRC	CHRA1	cg19486048	0.0825206348444643	325	1.48584754752706	0.138297844337071	0.00680965517513342	0.298679728557179
KIRC	CHRA1	cg22610305	0.0235639896386435	542	0.546206133900941	0.585151098940713	0.000555261607690096	0.749691116452468
KIRC	CHRA1	cg23548819	-0.164369281675819	325	-2.99017099932028	0.00300309830781905	0.0270172607586248	0.0164778551106274
KIRC	CLOCK	cg05960024	0.0168186217077657	542	0.38979743541324	0.696840889589315	0.000282866036148929	0.826191873999401
KIRC	CLOCK	cg06085476	-0.113547754727694	325	-2.05080511214408	0.0410949548721146	0.0128930926037006	0.124823088896353
KIRC	CLOCK	cg07236904	0.0847744188790016	325	1.5267184870045	0.127812663344202	0.00718670209627242	0.282722236407029
KIRC	CLOCK	cg07500410	0.0324112863061496	325	0.58190546281524	0.56103753137854	0.0010504914800192	0.731586590460064
KIRC	CLOCK	cg11774413	0.0269652597372646	325	0.484050300881832	0.628679213904356	0.000727125232698144	0.780685181085617
KIRC	CLOCK	cg18928811	0.0349386021421	325	0.627333812373632	0.530885023610689	0.00122070591964396	0.708642236217741
KIRC	CLOCK	cg22523077	0.134214746810471	325	2.43038701043509	0.0156285717934277	0.0180135982613988	0.0602601662419664
KIRC	CLOCK	cg23506964	-0.0682442373685635	325	-1.22746070450041	0.220546079993295	0.00465727593401683	0.408763785333339
KIRC	CREBBP	cg00039463	0.0138954928893606	325	0.249369781085349	0.803233754674889	0.000193084722638272	0.892795638107992
KIRC	CREBBP	cg00747661	0.0147392898720918	325	0.264515834840775	0.791551693885733	0.000217246665933547	0.885644442953972
KIRC	CREBBP	cg03039399	0.071310492131239	325	1.28288704887047	0.20045428868801	0.0050851862879995	0.383457418718223
KIRC	CREBBP	cg03264209	-0.029448113799581	542	-0.682704893024971	0.495087737567263	0.000867191406353071	0.680017928887102
KIRC	CREBBP	cg08506924	-0.0814851734674621	325	-1.46707784887476	0.143330872009377	0.0066398334950224	0.306175019416153
KIRC	CREBBP	cg24567591	-0.0462602230068771	325	-0.830999672667164	0.406589571369014	0.002140008232646	0.602848004785414
KIRC	CTCF	cg01866162	-0.0785143024802873	542	-1.82506638367416	0.0685463724301009	0.00616449569396605	0.181568644156446
KIRC	CTCF	cg04487155	-0.0638480997104704	325	-1.14805564722777	0.251797786365026	0.00407657983663816	0.445595018027317
KIRC	CTCF	cg06241380	-0.0753646186350054	325	-1.35622678138694	0.175977244225439	0.0056798257419998	0.351818815205432
KIRC	CTCF	cg07967402	-0.0441613517443565	325	-0.793220982286526	0.428233177116284	0.00195022498788878	0.622482711271572
KIRC	CTCF	cg08324636	0.116137255936633	325	2.09820674948195	0.0366657485497315	0.0134878622164911	0.114797570840657
KIRC	CTCF	cg10218542	-0.080936632076461	325	-1.45713643894356	0.146053210185796	0.00655073841188042	0.310083058599252

KIRC	CTCF	cg10481400	0.0472259107598218	325	0.848385269823323	0.396853664870172	0.00223028664709465	0.593457268173276
KIRC	CTCF	cg23858565	-0.0185376080832169	542	-0.429650649822823	0.667622128447563	0.000343642913446948	0.807205083812399
KIRC	CXXC1	cg02159718	-0.127038924159798	325	-2.29825305258476	0.0221878300852131	0.016138888251679	0.0787229797340631
KIRC	CXXC1	cg07675399	-0.149152735635421	325	-2.70672714279347	0.00715735687916456	0.0222465385475299	0.0329798863387862
KIRC	CXXC1	cg11871295	0.0771008512977542	325	1.38765594896049	0.16620135315127	0.0059445412708384	0.338543433533608
KIRC	CXXC1	cg13423076	-0.14189942827908	542	-3.32188631189603	0.000954953479244844	0.0201354477459297	0.00645940796142713
KIRC	CXXC1	cg15632775	0.11003501076624	325	1.98657070440596	0.0478173156706131	0.0121077035943266	0.139646379430876
KIRC	CXXC1	cg20016845	-0.0851000080251725	542	-1.97922445616087	0.0483010519600384	0.00724201136588443	0.140624175352457
KIRC	CXXC1	cg27419474	-0.151550338299747	325	-2.75125181437863	0.00627285059570585	0.0229675050387679	0.0297083976161172
KIRC	DAXX	cg00221327	0.0580100365912221	325	1.03946554163871	0.299373027898616	0.00336516434531492	0.497679830163795
KIRC	DAXX	cg02173004	-0.175166141865517	325	-3.19260526336666	0.00154916566323862	0.0306831772560506	0.00965284690476456
KIRC	DAXX	cg02328295	-0.0524993549623707	325	-0.943368187938202	0.346199873165928	0.002756182271465	0.545496899721912
KIRC	DAXX	cg03085224	-0.102980325275466	325	-1.85779302464085	0.0641110552413235	0.0106049473938408	0.172797541192652
KIRC	DAXX	cg03369465	-0.00453964428550797	325	-0.0814618436738587	0.93512527874131	2.06083702389452e-05	0.965478856426084
KIRC	DAXX	cg03382121	0.0508429587349455	325	0.913525774991844	0.36164958300083	0.00258500645292337	0.560564419692893
KIRC	DAXX	cg03902329	-0.0224476680604733	325	-0.402910527585604	0.687281421279068	0.000503897801353192	0.820086254649351
KIRC	DAXX	cg04086445	-0.042085350699863	325	-0.755864299535478	0.450283148031153	0.00177117674353046	0.641176799393001
KIRC	DAXX	cg04152866	-0.189921557150777	325	-3.47119885899541	0.000588832602774421	0.036070197870576	0.00430562207854464
KIRC	DAXX	cg04271391	-0.133619449315213	325	-2.41941083956736	0.0160993300368406	0.0178541572353006	0.0615990203071995
KIRC	DAXX	cg04488476	-0.0127346980834275	325	-0.228534518859466	0.819375790954022	0.000162172535276051	0.902798987663502
KIRC	DAXX	cg04973788	-0.168476289867329	325	-3.06704010642347	0.00234520105214407	0.0283842602474603	0.0135222776942259
KIRC	DAXX	cg05431670	-0.123347819940351	325	-2.22349258413748	0.0268805485332045	0.0152146846840373	0.0909589122484607
KIRC	DAXX	cg05532204	-0.143305266562653	325	-2.59833974569921	0.00979822904029167	0.0205363994245931	0.0419275814059653
KIRC	DAXX	cg06171013	-0.0481241215336719	325	-0.864558195550698	0.387924923266842	0.00231593107338762	0.585771808509903
KIRC	DAXX	cg07689821	-0.113995484280864	542	-2.65898022755343	0.00807165223748145	0.0129949704364288	0.0361812799863228
KIRC	DAXX	cg08375286	-0.00052115793000374	325	-0.00935184597241	0.992544206480838	2.71605588005792e-07	0.996063848274227
KIRC	DAXX	cg08567382	-0.0308476139599912	325	-0.553804197976364	0.580097213989435	0.000951575287024645	0.745955711276495
KIRC	DAXX	cg09097215	-0.0427494705520185	325	-0.767813740175119	0.443160527593959	0.0018275172324779	0.635394413425568
KIRC	DAXX	cg09432361	-0.0152302619362054	325	-0.273328982047356	0.784775564889588	0.000231960878645427	0.881108359736001
KIRC	DAXX	cg09615909	-0.177797566843839	325	-3.24211969176075	0.00131068764118189	0.0316119747755895	0.00840590555301764
KIRC	DAXX	cg11111423	-0.197843596588397	325	-3.62176568104325	0.000339801049244098	0.0391420887110325	0.0027137339929058
KIRC	DAXX	cg12025215	-0.12062965476729	325	-2.18054501863057	0.0299406204849175	0.0145515136092756	0.0985321134567314
KIRC	DAXX	cg12832355	-0.224670098115189	325	-4.13733214034643	4.48964069607604e-05	0.0504766529870889	0.000483615491983577
KIRC	DAXX	cg12923297	-0.131348619775989	325	-2.37756537105051	0.0180108898561512	0.0172524599170573	0.0671654841795419
KIRC	DAXX	cg13443893	-0.117002939865985	325	-2.11406298920053	0.0352783566661751	0.0136896879372833	0.11148574068686
KIRC	DAXX	cg13826470	-0.103134159485556	325	-1.8605980493817	0.063712371484538	0.0106366548527921	0.171973221861426
KIRC	DAXX	cg14539675	-0.0534560412907496	325	-0.960607839535391	0.337470148467585	0.00285754835047833	0.536983113990077
KIRC	DAXX	cg14622330	-0.0937664390185899	325	-1.69002446442991	0.0919910954702974	0.00879214508622693	0.224316060590425
KIRC	DAXX	cg14746369	-0.00149737101608558	325	-0.0268693923599007	0.978580550503737	2.24211995981318e-06	0.988902540150785
KIRC	DAXX	cg14910283	-0.250362727651927	325	-4.64038500583437	5.06756017683848e-06	0.0626814953973128	7.20088073818124e-05
KIRC	DAXX	cg16922466	-0.164319059061418	325	-2.98923200271485	0.00301209000135781	0.0270007531708298	0.0165202009000021
KIRC	DAXX	cg17079757	0.0237244315624681	325	0.425839562338991	0.670509249300017	0.00056284865296223	0.809085373075718
KIRC	DAXX	cg17504991	-0.0770836040639566	325	-1.38734367872323	0.166296422723257	0.00594188201548883	0.338653981429853
KIRC	DAXX	cg18187593	-0.182878186366929	325	-3.33792387763574	0.000942951410893379	0.0334444310488571	0.0063915624343504
KIRC	DAXX	cg18279148	-0.130927996546262	320	-2.35134738515188	0.0193174501631492	0.017142140279618	0.0708525090991055
KIRC	DAXX	cg18486541	0.0421145931662906	325	0.756390435004721	0.449968173063524	0.00177363895756217	0.641001972107211
KIRC	DAXX	cg18944910	-0.182304812214378	325	-3.32709819690976	0.000979076838377967	0.0332350445565195	0.00659962772418123
KIRC	DAXX	cg18967278	-0.103261765227872	325	-1.86292492462519	0.0633832113424364	0.0106629921579762	0.171315411686444
KIRC	DAXX	cg20223162	-0.188567758754107	325	-3.44553981263859	0.000645452400017114	0.035557799641547	0.0046544608831045
KIRC	DAXX	cg20763184	-0.147523118450612	325	-2.67649226820817	0.00782054349123223	0.0217630704773932	0.0353141026443534
KIRC	DAXX	cg21286626	-0.0684785411431975	325	-1.23169478128028	0.218961856764432	0.0046893105971006	0.40685787577644
KIRC	DAXX	cg24328964	-0.0963435737712036	325	-1.73690345682779	0.0833605085309063	0.00928208420700736	0.208989603630465
KIRC	DAXX	cg24496586	-0.0993783246555099	325	-1.79215193014479	0.0740473550605447	0.00987605141133593	0.192065882221259
KIRC	DAXX	cg24513883	-0.211429972860331	325	-3.88172888785245	0.000125836775201813	0.0447026334237204	0.00117351415658805
KIRC	DAXX	cg24728112	-0.172988427781619	325	-3.15168155715839	0.00177592236797225	0.0299249961463566	0.0107934456792214
KIRC	DAXX	cg25642825	-0.0842695751926191	325	-1.51756143961857	0.130106139579848	0.00710136130314448	0.286313739992495
KIRC	DAXX	cg26521092	-0.144979264730003	325	-2.62933967280406	0.00896562514798352	0.0210189872016522	0.0392256815006034

KIRC	DAXX	cg27052777	-0.264222587578327	325	-4.91601137146123	1.40977790980802e-06	0.0698135757865867	2.31424905498217e-05
KIRC	DAXX	cg27393652	-0.116148370508934	325	-2.09841029797615	0.036647646742439	0.0134904439718805	0.11475044172075
KIRC	DIDO1	cg00080059	-0.0635662407526445	325	-1.14296692077626	0.253901411123328	0.00404066696342316	0.447982726110276
KIRC	DIDO1	cg01488865	-0.0602700952390823	325	-1.0834778409533	0.279407007696295	0.00363248438012805	0.476451387666329
KIRC	DIDO1	cg06646488	-0.0694059714836249	325	-1.24845628548721	0.212770973298169	0.00481718887758576	0.399062276309315
KIRC	DIDO1	cg08610063	-0.0341886682204735	325	-0.613852577605524	0.539746166454968	0.00116886503468961	0.715049674239613
KIRC	DIDO1	cg13815390	-0.0153602607199476	325	-0.275662545665648	0.782984084970529	0.000235937609384767	0.88019802760321
KIRC	DIDO1	cg20969846	-0.0606822957645801	542	-1.40880288319473	0.15947221122638	0.00368234101925998	0.329058927358999
KIRC	DIDO1	cg21212389	-0.139272865304937	325	-2.52375866094856	0.0120914421446621	0.0193969310102472	0.0494475976555664
KIRC	DIDO1	cg21687703	0.0612093087163619	325	1.1004251253052	0.27196890167838	0.0037465794735349	0.468331509084517
KIRC	DIDO1	cg22394521	-0.0915977755154986	325	-1.65060230456681	0.0997947909355791	0.00839015247938768	0.237894097139255
KIRC	DMAP1	cg01604592	-0.0631920382067744	325	-1.13621143260977	0.256712999899841	0.00399323369272644	0.451030559515068
KIRC	DMAP1	cg11683482	-0.0553006031730123	325	-0.993854690889832	0.321039867674518	0.00305815671129898	0.520496331322998
KIRC	DMAP1	cg15990015	0.0694554679259183	542	1.61340593792304	0.107243796484202	0.00482406202480827	0.250440485807103
KIRC	DMAP1	cg18017761	-0.0861155890336959	325	-1.55105091474793	0.121871755271577	0.0074158946746204	0.273618797390968
KIRC	DMAP1	cg18167340	-0.0793308037454155	325	-1.42804107044767	0.154249202241627	0.00629337642289364	0.321698143191472
KIRC	DMAP1	cg21437596	-0.0472229803746808	325	-0.848332509545547	0.396882995128388	0.00223000987546749	0.593466904815335
KIRC	DMAP1	cg23021241	0.110223811427043	325	1.99002119426289	0.0474339538738442	0.0121492886055044	0.138855202546071
KIRC	DMAP1	cg23451311	0.0358937266555635	542	0.832311007146697	0.405603400132574	0.00128835961322431	0.601963590646325
KIRC	DMAP1	cg24485408	-0.0445504001904023	325	-0.800222860724235	0.424171667239094	0.001984738157125	0.619180955870341
KIRC	DNMT1	cg04160663	-0.00939204697245304	325	-0.168541691146548	0.866262964909886	8.82105463327642e-05	0.928928694789509
KIRC	DNMT1	cg04762346	-0.00518835646200015	542	-0.120232753900621	0.904343741844075	2.69190427767787e-05	0.949357680480391
KIRC	DNMT1	cg06128182	0.00324744889358954	325	0.058273694253945	0.953566766986837	1.05459243164759e-05	0.975434228415174
KIRC	DNMT1	cg06716436	-0.0218799779127367	542	-0.507151836669578	0.612256481853301	0.000478733433461847	0.769005291655968
KIRC	DNMT1	cg10635912	0.0363021661005274	325	0.651848740978184	0.514963748416635	0.00131784726359028	0.696402179382085
KIRC	DNMT1	cg11380607	0.0127893017810727	325	0.229514586606502	0.818614703338012	0.00016356624004735	0.902430327559694
KIRC	DNMT1	cg13393778	-0.0739697019325409	325	-1.33098509366296	0.184135559456347	0.00547151680398895	0.362502320891462
KIRC	DNMT1	cg15043801	0.0699964968302901	542	1.62603533079397	0.104528800889621	0.00489950956851281	0.245856796263255
KIRC	DNMT1	cg21893394	-0.0348796173179512	325	-0.62627342979009	0.531579310967248	0.00121658770424672	0.709216088723629
KIRC	DNMT1	cg23401624	-0.00815212191840403	325	-0.146289458857343	0.883784427699315	6.64570917725234e-05	0.938431062699232
KIRC	DNMT1	cg24477899	0.0296102598562801	325	0.531570199343958	0.595390223433699	0.00087676748875643	0.756777123093282
KIRC	DNMT1	cg27429799	-0.0143027610036284	325	-0.256680125938859	0.797589638733861	0.000204568972326913	0.889330338053605
KIRC	DNMT3A	cg02208653	-0.0383092143308317	325	-0.687939267470786	0.491986287872832	0.0014675959026456	0.677540428734428
KIRC	DNMT3A	cg03463641	-0.0913129680103242	325	-1.6454268202298	0.100857569185326	0.00833805812685449	0.239685771718444
KIRC	DNMT3A	cg06112956	-0.00617787048618838	325	-0.110860037997429	0.911796401331836	3.81660837441175e-05	0.953147573136012
KIRC	DNMT3A	cg07150430	0.0188670297368363	325	0.338617017624497	0.735118955937772	0.000355964811090667	0.85064221363309
KIRC	DNMT3A	cg12066181	-0.0656356758055822	542	-1.52427948420979	0.128027591501681	0.00430804193845548	0.28305278805473
KIRC	DNMT3A	cg13076778	-0.0300798122514437	325	-0.540007286255565	0.589565271023954	0.000904795105082099	0.752669041191372
KIRC	DNMT3A	cg13344237	-0.0364372429033827	325	-0.654277424789861	0.513400110400901	0.00132767267040011	0.695058441901216
KIRC	DNMT3A	cg15990840	-0.135469479690712	325	-2.45353072621976	0.0146756486409247	0.0183519799276721	0.0573937970225266
KIRC	DNMT3A	cg15998962	-0.17005165246084	325	-3.09656886595134	0.00212985667314333	0.0289175645046622	0.0124926540021497
KIRC	DNMT3A	cg21629895	-0.00397899788702958	542	-0.0922070843098602	0.92656789691495	1.58324241849859e-05	0.961305440023348
KIRC	DNMT3A	cg21708767	-0.0205164496034803	325	-0.368232032838918	0.712942183103301	0.000420924704332147	0.836653907654707
KIRC	DNMT3A	cg22731525	-0.0590844725382925	325	-1.0620884365675	0.288991449248527	0.00349097489512824	0.486553825104579
KIRC	DNMT3A	cg25044635	-0.0718616924122332	325	-1.29285450479947	0.196988242581622	0.00516410283635042	0.379197370732059
KIRC	DNMT3A	cg26470599	-0.0309998205812658	325	-0.55653937058713	0.578228754913017	0.000960988876070673	0.744512947246781
KIRC	DNMT3A	cg26995204	-0.109824541621962	325	-1.98272446147216	0.0482477272867688	0.0120614299424741	0.140534060826228
KIRC	DNMT3B	cg00300969	-0.10541727672223	325	-1.902244562467	0.0580312458740593	0.0111128022315312	0.160666788663334
KIRC	DNMT3B	cg13636640	0.0214815277382876	325	0.384361943569107	0.700965496383648	0.000461456033970821	0.828674262224291
KIRC	DNMT3B	cg14224313	0.118959509926099	325	2.14991842909278	0.0323061497337926	0.0141513650018576	0.104320304695478
KIRC	DNMT3B	cg16523653	-0.052253135976153	542	-1.21253200367584	0.225841965180798	0.00273039021934233	0.415248164482984
KIRC	DNMT3B	cg16953106	-0.162833188002407	325	-2.96146190769192	0.00328942792349643	0.0265146471150272	0.0177202240759284
KIRC	DNMT3B	cg17475857	-0.119335292794891	325	-2.15680779300762	0.0317604476100162	0.0142409121064423	0.102954888208818
KIRC	DNMT3B	cg17721173	-0.207982213872912	325	-3.815543378899	0.000162905573965815	0.0432566012874775	0.00146070495863262
KIRC	DNMT3B	cg22605822	-0.0225746774785955	325	-0.405191363625633	0.685605919329458	0.000509616063262607	0.819064291938097
KIRC	DNMT3B	cg24403338	-0.185960918719124	325	-3.39618861908049	0.000768920251392121	0.0345814632908607	0.00538604196261468
KIRC	DNMT3B	cg25803642	-0.00943980605474318	325	-0.169398811223858	0.865589328124377	8.9109938351166e-05	0.928628231400494

KIRC	DNMT3L	cg09247319	-0.00332701092312196	325	-0.0597014069730873	0.952430485958656	1.10690016825728e-05	0.974951343140752
KIRC	DNMT3L	cg15635600	-0.0908371565095568	325	-1.63678134420487	0.102653095345236	0.00825138900274171	0.242685069570512
KIRC	DNMT3L	cg27187798	-0.0244114667311108	325	-0.438178688303998	0.661550562548161	0.00059591970796413	0.803050694173131
KIRC	DPF1	cg06168449	0.00245668797159563	542	0.056929642010784	0.954622417698926	6.03531578978263e-06	0.975936610322232
KIRC	DPF1	cg06615189	-0.0209442092139933	325	-0.37591285547289	0.7072292201794	0.000438659899599521	0.833129258224601
KIRC	DPF1	cg07480327	0.0958389469170141	314	1.6979541699879	0.0905166757406589	0.00918510374616225	0.221677047397631
KIRC	DPF1	cg08057062	-0.121278105883743	325	-2.1924411593895	0.0290629688028061	0.0147083789667485	0.0964722902818526
KIRC	DPF1	cg13322582	-0.0529018204297982	325	-0.95062036447842	0.342510091657237	0.00279860260478662	0.541734434260412
KIRC	DPF1	cg13917712	-0.0346831594672217	325	-0.622741712903615	0.533895038637584	0.00120292155062873	0.710867075765865
KIRC	DPF1	cg17121541	-0.0166181406976086	325	-0.298243057998919	0.765710016781641	0.000276162600245517	0.870077753440124
KIRC	DPF1	cg22145401	-0.0139716622610043	325	-0.250736989728545	0.802177376799273	0.000195207346335573	0.892067569876673
KIRC	DPF1	cg27400772	-0.00140636861885312	471	-0.0303593560126472	0.975793456903169	1.97787269209483e-06	0.987314475932137
KIRC	DPF2	cg02186298	0.0440610500727003	536	1.01821718330613	0.30903670765742	0.001941376133509	0.507662333137821
KIRC	DPF2	cg14699126	-0.0668663573635196	325	-1.20256529691821	0.230028120691416	0.00447110974706591	0.420164536770791
KIRC	DPF2	cg15918224	-0.155686635544954	325	-2.82818224775591	0.00497459368738967	0.0242383284873074	0.0246681247652213
KIRC	DPF2	cg15929437	-0.0242979161912334	325	-0.436139282467218	0.663027939686338	0.000590388731236201	0.804082500081738
KIRC	DPF2	cg18224556	-0.0913927992236586	325	-1.64687746135968	0.100558772289887	0.00835264374993597	0.239145559044176
KIRC	DPF2	cg19517014	-0.0112822233491544	325	-0.202465145991839	0.839680967014111	0.000127288563700205	0.914178844724627
KIRC	DPF3	cg00888802	-0.0214164019504208	325	-0.384391756307643	0.700941840004413	0.000458662272501988	0.828671481563201
KIRC	DPF3	cg05151458	-0.0892740297490217	325	-1.60838731583092	0.108730372400052	0.00796985238762921	0.25286473133258
KIRC	DPF3	cg07171024	0.0955501250910895	325	1.72246663391827	0.0859452070274726	0.00912982640492285	0.213740655205882
KIRC	DPF3	cg10266394	-0.0780425575419709	325	-1.40470794577255	0.161072050734794	0.00609064078769184	0.331203951969513
KIRC	DPF3	cg12913429	-0.0127065377277468	325	-0.228029076666583	0.81976836721806	0.000161456101026653	0.902981385619281
KIRC	DPF3	cg13819165	-0.0410083882487232	325	-0.736488750671283	0.461969529252889	0.00168168790675802	0.65147208481282
KIRC	DPF3	cg14238615	-0.0344824281195212	325	-0.619133246141994	0.536266366761937	0.00118903784901795	0.712427093409579
KIRC	DPF3	cg14242696	-0.230716319700633	325	-4.25484762600294	2.74615604970468e-05	0.0532300201762047	0.000315467312065454
KIRC	DPF3	cg15392845	-0.00586881963560265	325	-0.105314016873147	0.91619221346323	3.44430439152352e-05	0.955752099312877
KIRC	DPF3	cg15740492	-0.224299016496569	325	-4.1301362962712	4.62516450635243e-05	0.050310048801328	0.000495606126180691
KIRC	DPF3	cg16696021	-0.00460855961692711	325	-0.0826985238952194	0.934142642491496	2.12388217427714e-05	0.965018162538788
KIRC	DPF3	cg19710444	-0.0869147916906303	325	-1.56555462759012	0.118435114671043	0.00755418101462566	0.268342545819693
KIRC	DPF3	cg19839347	-0.0257399680921907	325	-0.462040300634871	0.644364437090347	0.000662545957386995	0.791381500726319
KIRC	DPF3	cg20548765	-0.0776763448781275	325	-1.39807628318953	0.163052416843854	0.0060336145536258	0.333855338104722
KIRC	DPF3	cg21035356	-0.0862890561155131	325	-1.55419869092794	0.12111931428582	0.00744580120530616	0.272432658750682
KIRC	DPF3	cg22784589	-0.106373142304158	325	-1.91968957216193	0.0557805057412769	0.0113152454036606	0.156104920984461
KIRC	DPF3	cg23515460	-0.202438258766826	325	-3.70942828802365	0.000244595867853532	0.0409812486125445	0.00205511319132304
KIRC	DPF3	cg24383902	-0.0146406458354608	325	-0.262745157762478	0.792915036452518	0.000214348510479397	0.886455879080078
KIRC	DPF3	cg25495195	-0.146778696793554	325	-2.66268817597746	0.00814132458554972	0.021543985832414	0.0364159501384691
KIRC	DPF3	cg26057784	-0.073325479754023	325	-1.31933024476526	0.187996085956385	0.00537662598115763	0.367470728181388
KIRC	EED	cg00080012	-0.154827950597523	542	-3.63166099557998	0.000308593427176591	0.023971694286229	0.00250330730696306
KIRC	EED	cg01739327	0.0422277728669306	325	0.758426801948043	0.448750269743981	0.00178318480130108	0.640035173153111
KIRC	EED	cg02172616	-0.0222826059943852	325	-0.399946370970239	0.689461197196252	0.000496514529901012	0.82149062466014
KIRC	EED	cg04607174	-0.0190789489552088	325	-0.342421826327	0.73225686884864	0.000364006293235461	0.848730407985159
KIRC	EED	cg06358433	-0.103763753833683	325	-1.87207952945718	0.0621018731509373	0.0107669166096572	0.1688564929539
KIRC	EED	cg10086030	0.0236283294690404	325	0.424113620859527	0.671766147871679	0.000558297953497522	0.809946618324438
KIRC	EED	cg10535675	-0.0373145959510986	325	-0.670053131446229	0.50330415410671	0.00139237907099374	0.686744367428656
KIRC	EED	cg12672785	-0.0769516228027385	325	-1.38495413004396	0.167025272864104	0.00592155225197494	0.339701021625885
KIRC	EED	cg16265078	-0.0402706013582057	325	-0.72321677154675	0.470071723302009	0.00162172133375152	0.658694807762605
KIRC	EED	cg18574463	-0.0785381026595366	325	-1.41368257198762	0.158421158404698	0.0061682335693599	0.327545197388378
KIRC	EED	cg19325359	0.0118025158519883	325	0.211803327549928	0.83239447066881	0.000139299380436435	0.910049949419272
KIRC	EED	cg21042619	0.0818265957930144	217	1.19823804323983	0.2321559072855	0.00669559177907336	0.422760689404686
KIRC	ELP3	cg01209934	0.0579794763232385	325	1.0421576490125	0.29812040750769	0.00336161967471698	0.496325162028451
KIRC	ELP3	cg02516513	-0.0218842032900883	325	-0.392792057045806	0.694732971339376	0.000478918353641913	0.82500468283278
KIRC	ELP3	cg04720865	-0.211150446855566	325	-3.87635730844327	0.000128518596278137	0.0445845112073052	0.00119427860539089
KIRC	ELP3	cg05621091	-0.0623848234795539	325	-1.12164039899509	0.262851105227088	0.00389186620057509	0.458223840448988
KIRC	ELP3	cg15692687	0.172544562509117	325	3.14334628821779	0.00182571199664018	0.0297716260514625	0.0110374136669744
KIRC	ELP3	cg17572663	0.0740696861988317	325	1.33279409383356	0.183541675313349	0.0054863184135934	0.361784605234066
KIRC	ELP3	cg18022570	-0.00056962801951499	325	-0.0102216110207848	0.991850806298258	3.24476080616572e-07	0.995716223934944

KIRC	ELP3	cg18249244	-0.0252525573333851	542	-0.585370760966974	0.558544344881214	0.000637691651875901	0.729576687302738
KIRC	ELP3	cg19781013	0.0574278881607894	325	1.03221011060773	0.30274834526028	0.00329796233860813	0.501117146560102
KIRC	ELP3	cg22414525	-0.180612071032729	325	-3.2951585648699	0.00109330136101065	0.0326207202027315	0.00722742063889044
KIRC	ELP3	cg22487209	-0.035896996323315	325	-0.644563993752047	0.519668687860462	0.00128859434503609	0.70017437111182
KIRC	ELP3	cg25374552	0.0928022022117526	325	1.67249351947749	0.0953983418012237	0.00861224873535102	0.230221448135141
KIRC	ELP4	cg04972224	-0.0909583398197004	325	-1.63898313260647	0.102193412420565	0.0082734195827561	0.241907081482639
KIRC	ELP4	cg05195750	-0.022920633421367	325	-0.41140414279635	0.681049903662926	0.000525355436436685	0.816017930992556
KIRC	ELP4	cg05635455	-0.101082169226681	325	-1.82319292438128	0.0692012393268959	0.0102176049355714	0.182824193853037
KIRC	ELP4	cg08111895	-0.075501729371253	325	-1.35870829576699	0.175190053298366	0.00570051113804992	0.350802737034648
KIRC	ELP4	cg08626560	-0.215620245032199	325	-3.96237268395594	9.14284231714893e-05	0.0464920900677455	0.000892195528374666
KIRC	ELP4	cg09616795	0.0179988914440602	325	0.32303088848036	0.746881517292135	0.000323960093215063	0.857811760316905
KIRC	ELP4	cg10583382	-0.0807970259209051	541	-1.87672218964986	0.0610992018111014	0.00652815939766342	0.166794796143202
KIRC	ELP4	cg11385473	-0.0134115357608312	542	-0.310816965724727	0.756060378818614	0.000179869291464054	0.863934106834239
KIRC	ELP4	cg13263383	-0.116683627667883	325	-2.1082137627945	0.0357848228123675	0.0136150689657371	0.112715382049774
KIRC	ELP4	cg19328333	0.130579838867941	325	2.36340740789487	0.0187014361011532	0.0170510943187774	0.0691243179575766
KIRC	ELP4	cg24001477	-0.108236102430515	325	-1.9537050126183	0.0516016905599539	0.0117150538693489	0.147655199743299
KIRC	ELP4	cg24531794	-0.0220207113310852	325	-0.39524337803184	0.692924988429167	0.000484911727526984	0.823763051283025
KIRC	ELP4	cg25130734	-0.118259455748168	325	-2.13708657800282	0.0333440888932257	0.013985298873853	0.106791685934936
KIRC	EP300	cg00500400	0.0237664923953361	542	0.550902727942189	0.581929473308231	0.000564846160777567	0.747212581232306
KIRC	EP300	cg02046995	0.110433249860336	325	1.99384911180894	0.0470116996351848	0.0121955026747154	0.137943768183066
KIRC	EP300	cg07519229	-0.0291861516306265	325	-0.523949972563194	0.600673778436804	0.000851831447005924	0.760696347323132
KIRC	EP300	cg08131204	-0.133347001595013	325	-2.41438830411727	0.0163188871771695	0.0177814228343803	0.0622401092837535
KIRC	EP300	cg09331127	0.107024831063007	325	1.93158629056556	0.0542878766799483	0.0114543144640652	0.153239153789546
KIRC	EP300	cg24349919	0.211000220845191	325	3.87347086514444	0.000129981948306626	0.0445210931967195	0.0012055097385033
KIRC	EPC1	cg02900516	-0.00466042696293842	325	-0.0836292801306962	0.93340315245576	2.17195794768834e-05	0.964574976707557
KIRC	EPC1	cg16942190	0.0212518001840722	325	0.381436065534412	0.703131271367816	0.000451639011063731	0.830338729200132
KIRC	EPC1	cg26211455	0.188044095393476	325	3.43562009784855	0.000668674563930488	0.0353605818123506	0.00479524972588573
KIRC	EPC2	cg00066942	-0.0188076629056638	325	-0.337551150648722	0.735921396896445	0.000353728183973082	0.851052016503078
KIRC	EPC2	cg03664802	-0.0609129173273861	325	-1.09507668767077	0.274301459401306	0.00371038349733297	0.470768790431195
KIRC	EPC2	cg04098458	-0.135741934231903	325	-2.45855777159627	0.0144755978831601	0.0184258727090182	0.0567769820370352
KIRC	EPC2	cg05586854	0.0234320477607943	325	0.420588544326323	0.674336110965615	0.000549060862264147	0.811724790207874
KIRC	EPC2	cg10458926	-0.0663830573415184	325	-1.19383472179159	0.233421392065469	0.00440671030200732	0.424265408247935
KIRC	EPC2	cg11721798	-0.0581049973461029	325	-1.04442147350505	0.297073865071199	0.00337619071659062	0.495133628472842
KIRC	EPC2	cg12432635	0.0724959441795176	325	1.30432526986797	0.193054236324717	0.00525566192247973	0.373956357178483
KIRC	EPC2	cg16434205	0.0361648373811374	325	0.649379604332376	0.51655597497485	0.00130789546280411	0.697656098884558
KIRC	EPC2	cg21347644	-0.0601526723875148	325	-1.08135925253013	0.280346528379101	0.00361834399535969	0.477561483505381
KIRC	EPC2	cg21650422	-0.0326909573754726	325	-0.586931967604869	0.5576606782512	0.00106869869412497	0.728861346703817
KIRC	EZH1	cg00728999	0.014632480323676	325	0.262598585794702	0.79302791891464	0.000214109480422765	0.886569337568556
KIRC	EZH1	cg01716316	-0.0569473846606189	325	-1.02354531171308	0.306818421557434	0.00324300461968449	0.505295261905688
KIRC	EZH1	cg03623386	0.0367657910810875	325	0.660184878226984	0.509607159446324	0.00135172339381817	0.692091396284475
KIRC	EZH1	cg05375741	-0.0678973587836539	325	-1.22119267562215	0.222906463245985	0.00461005132979622	0.41161160724817
KIRC	EZH1	cg05979501	-0.0606113398026077	325	-1.08963496367425	0.276688754794474	0.00367373451266718	0.473351768972387
KIRC	EZH1	cg06975499	-0.212089579537586	542	-5.02922068432525	6.72434564992228e-07	0.0449819897484301	1.20366715483215e-05
KIRC	EZH1	cg12812489	-0.0364031525512267	325	-0.653664476144727	0.51379450527451	0.00132518951566788	0.695350366085474
KIRC	EZH1	cg19395400	-0.071686205239342	325	-1.28968100927102	0.198086965641472	0.00513891202161706	0.380624843281941
KIRC	EZH1	cg22227424	-0.00046736986775196	325	-0.0083866533492666	0.993313690703042	2.18434593282485e-07	0.996516110267105
KIRC	EZH1	cg27088844	-0.180033170798943	542	-4.24125538082681	2.61758064332281e-05	0.0324119425879215	0.000302753595846945
KIRC	EZH2	cg01893439	-0.0879413098113966	325	-1.58418807215128	0.114132525811828	0.00773367397134404	0.261538156086381
KIRC	EZH2	cg02303805	0.00908453861774864	325	0.163022944449861	0.870602632805658	8.25288418973663e-05	0.931314701305609
KIRC	EZH2	cg06816161	-0.0446657883680106	542	-1.03608597583172	0.300628362138685	0.00199503265053591	0.498924433156627
KIRC	EZH2	cg13751213	-0.0474424959729603	325	-0.852284850875032	0.394689466245216	0.00225079042414436	0.591426002332235
KIRC	EZH2	cg18494018	0.00737611206306424	325	0.132363199582778	0.8947796930412	5.44070291668818e-05	0.9441127838496
KIRC	EZH2	cg20101066	-0.0600069564085475	325	-1.07873025121609	0.281515394167552	0.00360083481741732	0.47866067157409
KIRC	FBXL19	cg00026853	-0.0810928033826246	325	-1.45996665073118	0.145274172834868	0.00657604276045302	0.309087052880311
KIRC	FBXL19	cg02291855	-0.0793442642852479	325	-1.42828490982268	0.154179084461486	0.00629551227496727	0.321629113203545
KIRC	FBXL19	cg03181514	-0.0732707811631123	325	-1.31834075010123	0.188326587043385	0.00536860737225269	0.367867185066366
KIRC	FBXL19	cg03627896	0.000320992072554493	542	0.00743843328371008	0.994067806129162	1.03035910642829e-07	0.996951242248991

KIRC	FBXL19	cg04477789	-0.0765423812822032	325	-1.37754519071867	0.16930044893797	0.00585873613235018	0.342760159393116
KIRC	FBXL19	cg05643349	0.119491369066893	325	2.15966947221997	0.0315361207988653	0.0142781872814805	0.102459101450172
KIRC	FBXL19	cg05768582	0.0158580256084253	325	0.28459788290397	0.776135174770371	0.000251476976197471	0.876092611815588
KIRC	FBXL19	cg06862768	-0.0538866762144704	325	-0.968368817567819	0.333586986520031	0.00290377387344317	0.533182119956067
KIRC	FBXL19	cg07697662	-0.0658117576401095	325	-1.18351556410979	0.237477882722835	0.0043311874436805	0.428957797170527
KIRC	FBXL19	cg08535091	0.0865149620074947	542	2.01237905929962	0.0446787747008805	0.00748483865115825	0.132885020610196
KIRC	FBXL19	cg08593668	-0.0813937683625212	325	-1.4654211888476	0.143781793284948	0.00662494552825176	0.30686019112807
KIRC	FBXL19	cg09011601	0.024881144438317	325	0.446614438824822	0.655453682886172	0.000619071348560393	0.799084817300086
KIRC	FBXL19	cg11940219	0.0718658488496175	324	1.29092045499963	0.197660194275193	0.00516470023087607	0.38004886867138
KIRC	FBXL19	cg26666512	0.0180123695691342	325	0.323272862451254	0.746698442424703	0.000324445457495072	0.857747755636361
KIRC	FBXL19	cg27602786	-0.0816794568130612	325	-1.47059923613291	0.142376017742826	0.00667153366527673	0.304796497544936
KIRC	FBXW9	cg02753619	-0.00806643072519843	325	-0.144751633680059	0.884997529683361	6.50673046444253e-05	0.939000243101301
KIRC	FBXW9	cg03160342	-0.0730525812369522	325	-1.31439364372567	0.189649245393864	0.0053366796253815	0.369643309101553
KIRC	FBXW9	cg05868316	0.0406597549534529	542	0.94299890418864	0.346105510567989	0.00165321567287484	0.545392401740522
KIRC	FBXW9	cg06489804	0.007841272607159	542	0.181713438866643	0.855876187834599	6.14855560997822e-05	0.923330878485206
KIRC	FBXW9	cg12110584	0.00123887491142137	325	0.0222308325390417	0.98227759234441	1.53481104614931e-06	0.990768211902571
KIRC	FBXW9	cg14342428	0.103909719925113	325	1.8747417372194	0.0617333201341158	0.0107972298949154	0.16808938806879
KIRC	FBXW9	cg15828427	-0.0578656550342572	325	-1.04010487702297	0.29907151902766	0.00334843403254365	0.497348647952924
KIRC	FBXW9	cg19721801	-0.123069945819138	325	-2.22532816851978	0.0267515194860659	0.0151462115639256	0.0906312350247785
KIRC	FBXW9	cg21564527	-0.13110836034814	325	-2.3731402564678	0.0182242717516838	0.0171894021531778	0.0677695505091054
KIRC	FBXW9	cg22303873	-0.165497980696307	325	-3.01128025401304	0.00280734140219248	0.0273895816145553	0.0156152092837239
KIRC	FKBP1A	cg04613791	0.0572822188301682	542	1.3295989435931	0.184214963907731	0.00328125259410727	0.362612760361277
KIRC	FKBP1A	cg07516946	0.0410415499644514	325	0.737085321838104	0.461607186887439	0.00168440882348456	0.651161773712945
KIRC	FKBP1A	cg10996143	-0.0236247321744558	542	-0.547614912728579	0.584183875804194	0.000558127970314765	0.748880532183299
KIRC	FKBP1A	cg21332426	0.123789691491649	325	2.23854441315837	0.0258685530254712	0.0153238877195976	0.0883996579865366
KIRC	FKBP1A	cg21775445	0.084119246089691	325	1.51483494074709	0.130795183106804	0.007076047562698	0.287366710195738
KIRC	FKBP1A	cg24641773	-0.139798071892873	325	-2.53346525544108	0.0117681456932485	0.0195435009049648	0.0484361211608156
KIRC	FKBP1A	cg26779912	0.0223155081504554	325	0.400537219695138	0.689026492586247	0.000497981904013043	0.821210939867652
KIRC	FKBP2	cg03764062	-0.0521790000392145	325	-0.937595921815837	0.349154813112773	0.00272264804509235	0.548209771152544
KIRC	FKBP2	cg04446112	-0.0715722171168562	325	-1.28761972199947	0.198803030088417	0.0051225822630224	0.381496059433379
KIRC	FKBP2	cg06615912	-0.0623628793950778	325	-1.12124431729489	0.263019365500389	0.00388912872644501	0.458387867050583
KIRC	FKBP2	cg09854726	-0.152529213907106	325	-2.7694442593281	0.00594082759555711	0.0232651610951196	0.0284548316340251
KIRC	FKBP2	cg10998122	-0.0879967717768041	325	-1.5851949667576	0.113903594606431	0.00774343184313894	0.261209687787421
KIRC	FKBP2	cg12423493	-0.0880339053332844	325	-1.58586912314525	0.11375051910388	0.00774996848822967	0.26095951610803
KIRC	FKBP2	cg15010817	0.00973173634511175	325	0.17463803515934	0.861473812677329	9.4706692290769e-05	0.926398133634958
KIRC	FKBP2	cg16977872	0.0164895725680681	542	0.382169120441889	0.702487119777555	0.000271906003477585	0.829788816689175
KIRC	FKBP2	cg19924313	0.0110256338528731	325	0.197859952687173	0.843279486693572	0.00012156460185762	0.916260609108509
KIRC	FKBP2	cg21809711	-0.0312397199951111	325	-0.56085047274089	0.575289528431979	0.000975920105372942	0.742239511324754
KIRC	FKBP2	cg22074794	-0.133336553577427	325	-2.41419570748407	0.0163273587937963	0.0177786365199061	0.0622617565217171
KIRC	FKBP2	cg24677501	-0.0836365638653722	325	-1.50608130092266	0.133026643319242	0.00699507481520648	0.290750279278991
KIRC	FKBP5	cg00130530	-0.133970393123897	325	-2.42588126264809	0.0158203268481544	0.0179480662337714	0.0608036414616532
KIRC	FKBP5	cg00140191	-0.0856862993958284	324	-1.54086329792378	0.124335240475792	0.00734214190415154	0.277396417952156
KIRC	FKBP5	cg00610228	-0.106404668004767	325	-1.92026502288008	0.0557075240613419	0.0113219533732047	0.155950596524813
KIRC	FKBP5	cg01294490	-0.0765084347516267	325	-1.37693065167868	0.169490208592618	0.00585354058814392	0.343003902345204
KIRC	FKBP5	cg07485685	-0.0527274496080563	325	-0.947478254275047	0.344105630592529	0.00278018394217011	0.543374676267436
KIRC	FKBP5	cg07843056	-0.0879529265033477	325	-1.58439896832467	0.114084545589435	0.00773571728050328	0.261472363147883
KIRC	FKBP5	cg08636224	0.0267815298218918	542	0.620838053969905	0.534969593189216	0.000717250339600882	0.711519310600429
KIRC	FKBP5	cg08915438	-0.198396093290372	325	-3.63229361266561	0.000326756203924194	0.0393610098328821	0.00262491451136707
KIRC	FKBP5	cg10913456	-0.0809215536350014	325	-1.45686318587169	0.146128594889725	0.00654829784270241	0.310166512919291
KIRC	FKBP5	cg16012111	-0.0842845664412043	325	-1.51783333961229	0.130037580236936	0.00710388814018179	0.286211444814039
KIRC	FKBP5	cg17030679	-0.0122984808685845	325	-0.220705040774262	0.825461981053931	0.00015125263167494	0.906186347850947
KIRC	FKBP5	cg20813374	-0.131365850880847	325	-2.37788275109259	0.0179956704265398	0.017256986777649	0.0671246730430632
KIRC	FKBP5	cg25114611	-0.0434697854516323	325	-0.78077544581067	0.435508188663746	0.00188962224721094	0.628711387658243
KIRC	FMR1	cg02921434	-0.0477501308550429	325	-0.857823973438831	0.391627707850103	0.00228007499667372	0.588686373823563
KIRC	FMR1	cg03513471	-0.0279765268029959	325	-0.502217402747333	0.615857858887854	0.000782686051958745	0.771622584543755
KIRC	FMR1	cg04552106	-0.0427689308715579	325	-0.768163903015262	0.442952788718595	0.0018291814478961	0.635225344177086
KIRC	FMR1	cg04744025	-0.0722060930131479	325	-1.29908296792158	0.194844878066407	0.00521371986822336	0.376375299687088

KIRC	FMR1	cg05288927	-0.0569107457899469	325	-1.02288464152095	0.307130242363284	0.00323883298636795	0.505637527234447
KIRC	FMR1	cg07147350	-0.0514354254079618	535	-1.18570190487014	0.236271354386512	0.002645602986898	0.427562719373428
KIRC	FMR1	cg08434396	-0.142583626567099	542	-3.33823506788229	0.000901577532369194	0.020330090565026	0.00616429271867895
KIRC	FMR1	cg14470409	-0.0540269707384683	325	-0.970897346868053	0.332328130883421	0.00291891356717531	0.532045081781875
KIRC	FMR1	cg16783314	-0.0317566842440822	325	-0.57014088745209	0.568979732416723	0.00100848699417834	0.737337028637249
KIRC	FMR1	cg22625568	-0.0949856863073916	325	-1.70687300192712	0.0888157328095842	0.00902228060328619	0.218833768860692
KIRC	FXR2	cg01807919	0.0113554491806877	325	0.203779389116558	0.838654624995275	0.000128946226095182	0.913684707290038
KIRC	FXR2	cg01933235	-0.0505502967082267	325	-0.908253831174658	0.364423382217515	0.00255533249728975	0.56339707700184
KIRC	FXR2	cg05529097	-0.146373213291486	542	-3.4288755086616	0.00065263099722663	0.0214251175692748	0.00469882237836635
KIRC	FXR2	cg05913233	-0.0792396478694086	325	-1.42638979094886	0.154724680431677	0.00627892179446787	0.322366405137231
KIRC	FXR2	cg09625173	-0.0996415827478892	325	-1.79694697359507	0.0732810414479296	0.00992844501250446	0.190668026546154
KIRC	FXR2	cg17777561	-0.0180011036987563	325	-0.323070605272391	0.746851467015768	0.000324039734373379	0.857811760316905
KIRC	FXR2	cg19178740	-0.0819232154688974	325	-1.47501760256404	0.141184889701927	0.00671141323276339	0.30315587384686
KIRC	FXR2	cg22521096	-0.0667486450162636	325	-1.20043880367746	0.230851350061114	0.00445538161150718	0.421262694439594
KIRC	FXR2	cg26904212	0.10680016633809	542	2.48914471938901	0.0131067582473179	0.0114062755298436	0.0526551611209148
KIRC	G2E3	cg02259031	0.0740429545044702	325	1.33231043738474	0.183700317092968	0.00548235911175104	0.361947736188496
KIRC	G2E3	cg05076167	-0.145741123502943	325	-2.64345577003042	0.00860797551111233	0.0212404750799001	0.038007177718063
KIRC	G2E3	cg07906495	0.0202010342594671	542	0.468219373952355	0.639817701350328	0.000408081785152164	0.788386261900836
KIRC	G2E3	cg08810065	-0.0357718380592754	542	-0.829481002163523	0.40720084705918	0.00127962439813902	0.603379517157356
KIRC	G2E3	cg09837748	-0.18752702054695	325	-3.42582816912612	0.000692361066500208	0.0351663834352161	0.004942096937774
KIRC	G2E3	cg18580322	-0.0773501017216899	325	-1.39216889901763	0.164831982790015	0.00598303823635577	0.336622538920563
KIRC	G2E3	cg18755078	0.0760453999935184	325	1.36854874526978	0.172094424948895	0.0057829028601742	0.346483415130967
KIRC	G2E3	cg18956956	-0.177551282130884	325	-3.23748242762587	0.00133148548276773	0.0315244577863209	0.00851262176581465
KIRC	G2E3	cg19554565	0.0446644821907133	325	0.802276114403255	0.422984961490586	0.00199491596936455	0.618028512559372
KIRC	G2E3	cg21061067	-0.152912106727135	325	-2.77656260587153	0.00581530417705688	0.0233821123837307	0.0279809359939364
KIRC	G2E3	cg22926526	-0.0830776570342448	325	-1.49594662996103	0.135647011927971	0.00690189709829961	0.294656232259922
KIRC	GADD45	cg01810953	-0.0719025384616462	325	-1.29359317868409	0.19673314433972	0.00516997503722851	0.378875064507096
KIRC	GADD45	cg02639608	-0.105160256573055	325	-1.89755473202215	0.0586490949159065	0.0110586795625108	0.161962179756028
KIRC	GADD45	cg04718306	-0.0379051440108183	542	-0.879017487783559	0.379784949442555	0.00143679994248087	0.578247746446435
KIRC	GADD45	cg07000785	-0.0472327183093702	542	-1.09575904641904	0.273675414572732	0.00223092967889231	0.470057298065288
KIRC	GADD45	cg22224769	-0.0789347279675113	325	-1.42086645911747	0.156323227117973	0.00623069127930502	0.324700534814716
KIRC	GADD45	cg23369529	0.105706212395359	325	1.90751721379348	0.0573431131948886	0.0111738033389728	0.159279828181639
KIRC	GADD45	cg23723105	0.00525263174765153	325	0.0942564071417753	0.92496410195133	2.75901402764367e-05	0.960459394108327
KIRC	GATAD2A	cg02887458	0.0240955670497556	325	0.432505065735694	0.665663886201441	0.000580596351449266	0.805884725542782
KIRC	GATAD2A	cg08505228	-0.0077441859892328	325	-0.138968616459333	0.889561821449597	5.99724166358296e-05	0.941467059185646
KIRC	GATAD2A	cg08870822	-0.0521363374592592	325	-0.93682723459211	0.349549530286161	0.00271819768366575	0.548574867038161
KIRC	GATAD2A	cg09334331	0.0131702466119425	325	0.236352125177447	0.813309716558153	0.000173455395819383	0.899423059406693
KIRC	GATAD2A	cg11795262	-0.0807516559203939	542	-1.87741030265562	0.0610037004089077	0.00652082993388569	0.166610092318866
KIRC	GATAD2A	cg14948912	-0.0913516181020005	325	-1.64612914067899	0.100712819571898	0.00834511812985375	0.239451500176535
KIRC	GATAD2A	cg15264323	-0.00659762796411405	325	-0.118392777843917	0.905830268985051	4.35286947528597e-05	0.950128223406948
KIRC	GATAD2A	cg22191731	0.0103748086677937	325	0.186179305660895	0.852421386033373	0.000107636654893327	0.921330218339116
KIRC	GATAD2A	cg26631329	-0.0928955557669367	325	-1.67419058718313	0.0950641296799281	0.00862958428124804	0.22967139454411
KIRC	GATAD2E	cg02134200	0.0574363344532013	325	1.03236242689542	0.30267712255111	0.00329893251541999	0.50104189960083
KIRC	GATAD2E	cg02940454	0.0594938504126514	325	1.0694733651045	0.285657465056525	0.00353951823692294	0.482907489169613
KIRC	GATAD2E	cg09805553	0.0867950287218849	325	1.56338100844956	0.118945233168727	0.00753337701083283	0.269119351132982
KIRC	GATAD2E	cg10226922	-0.0905505509704838	325	-1.63157427881664	0.103746787171658	0.00819940228105819	0.244542405806327
KIRC	GATAD2E	cg10489353	0.140642482318274	325	2.54907578472074	0.0112643430919286	0.0197803078326459	0.0467832264571149
KIRC	GATAD2E	cg15064304	-0.0877478913312005	325	-1.58067673635588	0.114933724260095	0.00769969243307217	0.262774176955558
KIRC	GATAD2E	cg20773694	-0.030438395125842	325	-0.546450673441035	0.585134621970965	0.000926495897836884	0.74968235283205
KIRC	GATAD2E	cg23046518	0.114585049908782	325	2.06978798704329	0.0392693231543267	0.0131297336625981	0.120862388252401
KIRC	GATAD2E	cg23323627	0.208443866405908	325	3.82439688677435	0.000157408120948573	0.0434488454422439	0.00141827743352714
KIRC	GATAD2E	cg26398333	0.14289279965737	325	2.59070498693725	0.0100136282199633	0.0204183521939213	0.0426755885692902
KIRC	GLYR1	cg00636946	-0.0917157241190322	325	-1.65274577053897	0.0993572694437319	0.00841177405067842	0.237149063268361
KIRC	GLYR1	cg00885266	-0.0440342584853502	325	-0.790933706720484	0.429564845074855	0.00193901592035463	0.623608973021154
KIRC	GLYR1	cg01261535	-0.00083004952164396	542	-0.0192349603798133	0.984660812975425	6.88982208381382e-07	0.991954407870946
KIRC	GLYR1	cg01565912	0.0947170893486254	325	1.7073130882048	0.0887278187857785	0.00897132701467549	0.218675492939042
KIRC	GLYR1	cg02454264	0.012395215615569	325	0.222441280755905	0.824111403543429	0.000153641370156444	0.905431984510818

KIRC	GLYR1	cg06399529	-0.0476366285444123	325	-0.855780278193019	0.392755673818791	0.00226924837907832	0.589618581417581
KIRC	GLYR1	cg06976003	-0.0983050338685823	325	-1.77260668724422	0.0772393189589305	0.00966387968390312	0.198004289381964
KIRC	GLYR1	cg11289281	0.0464225285172951	325	0.83392154807079	0.404943387364226	0.00215505115393907	0.601404438185842
KIRC	GLYR1	cg15663121	0.0738250580269523	542	1.71544840074159	0.0868398865500718	0.00545013919268287	0.215346088243164
KIRC	GLYR1	cg18354686	0.0378327822294573	325	0.679371378115721	0.497390636669673	0.00143131941122154	0.681796683683339
KIRC	GTF2B	cg02705666	-0.0290900834823646	542	-0.674397490206772	0.5003488517697	0.000846232957010944	0.684258865494701
KIRC	GTF2B	cg04270788	0.0861361985553891	542	2.00350284030413	0.0456252649049668	0.00741944470157342	0.134936582193468
KIRC	GTF2B	cg05306856	-0.032073582790077	325	-0.575836127958527	0.565128172105387	0.00102871471299192	0.734700718940415
KIRC	GTF2B	cg06356032	-0.00479735143639725	325	-0.0860863843877193	0.931451251085923	2.30145808043028e-05	0.963712161049667
KIRC	GTF2B	cg07167781	-0.0388276358777887	325	-0.69726280558383	0.486141451357569	0.00150758530785815	0.672670052569434
KIRC	GTF2B	cg10430205	-0.0243928606159669	325	-0.437844515066016	0.661792552316497	0.000595011649029991	0.803162038266323
KIRC	GTF2B	cg12074130	-0.041969953730772	325	-0.75378807646242	0.451527318604956	0.00176147701616314	0.642124128906165
KIRC	GTF2B	cg13868361	5.16893645708344e-05	325	0.00092753248688861	0.999260510615248	2.67179040973663e-09	0.999646007957443
KIRC	GTF2B	cg14010405	-0.0268615346017678	325	-0.482186995760512	0.630000706910492	0.00072154204116197	0.781721824900781
KIRC	GTF2B	cg17811845	-0.101558943155452	325	-1.83188178074843	0.0678926152932235	0.0103142189348524	0.18034685904941
KIRC	GTF2B	cg22607980	-0.0194527035332266	325	-0.349132348353482	0.727218149656864	0.000378407674751605	0.845651037151617
KIRC	GTF2H1	cg05849260	-0.145127448388746	325	-2.63208491804373	0.00889504385592401	0.021061976275828	0.0389892405751495
KIRC	GTF2H1	cg07583091	-0.0653057600961839	325	-1.17437690962949	0.241111874332158	0.00426484230174033	0.433308472366381
KIRC	GTF2H1	cg08690812	-0.141340967707409	325	-2.56199289978625	0.0108621092547692	0.0199772691524667	0.045477892395164
KIRC	GTF2H1	cg10797557	0.0653832033212622	325	1.1757755269884	0.240553177936523	0.00427496327654952	0.432624110120762
KIRC	GTF2H1	cg11063328	-0.0508475908463791	325	-0.913609218633546	0.361605786824956	0.00258547749488077	0.56051887102757
KIRC	GTF2H1	cg11176342	-0.00687054474406971	325	-0.123290427558243	0.901954039698004	4.7204385080264e-05	0.948210280737125
KIRC	GTF2H1	cg11347316	0.00933610493382753	325	0.167537715103972	0.867052144372986	8.71628553354388e-05	0.929352216472424
KIRC	GTF2H1	cg11662851	0.114587374148387	325	2.06983052914216	0.0392653107634879	0.0131302663142225	0.120857384988584
KIRC	GTF2H1	cg13777411	0.000754248431636631	542	0.0174784003238654	0.98606145616857	5.68890696626318e-07	0.992748348921674
KIRC	GTF2H1	cg14132868	0.126811916176927	325	2.29407908290431	0.0224293852153599	0.0160812620844641	0.0793375889348297
KIRC	GTF2H1	cg17174493	0.0405788272268596	325	0.728761272409995	0.466677394920359	0.00164664121910732	0.655886584561008
KIRC	GTF2H1	cg18321761	-0.0616510792154967	325	-1.10839749873333	0.268517381806781	0.00380085556843545	0.464314329211724
KIRC	H2AFZ	cg02758870	-0.038322465431556	325	-0.688177574568578	0.491836425182631	0.00146861135675281	0.677394002915119
KIRC	H2AFZ	cg09308803	-0.00186831492311516	325	-0.0335257711809739	0.973276086904038	3.4906006519348e-06	0.985955430860693
KIRC	H2AFZ	cg16267491	0.0400773420827077	542	0.92946944012143	0.353063472634148	0.00160619334841437	0.552083583382687
KIRC	H2AFZ	cg17709884	0.000562891244625821	542	0.0130440274846311	0.98959751153492	3.16846553276405e-07	0.994436321090902
KIRC	H2AFZ	cg20934652	0.0452085190344077	325	0.812068151351571	0.417352450127176	0.00204381019328441	0.612814339200724
KIRC	H2AFZ	cg23752380	0.105396861591024	325	1.90187203477487	0.0580801240435013	0.0111084984332374	0.16075302130573
KIRC	H2AFZ	cg24061702	0.0576125747401353	325	1.03554070843139	0.301193520262382	0.00331920876818768	0.499585269296854
KIRC	H3F3A	cg06319713	0.166748530733991	325	3.0346826126916	0.00260405066636518	0.0278050725019446	0.0146945827316997
KIRC	H3F3A	cg10632229	0.0125646981554029	325	0.225483246860345	0.821746397777799	0.000157871639736384	0.90431510756286
KIRC	H3F3A	cg10983539	0.0788859507643562	325	1.41998294409739	0.156580094935462	0.00622299322799643	0.325086520026938
KIRC	H3F3A	cg11978873	0.0241276175994928	325	0.433080694194357	0.665246097303033	0.000582141931027354	0.805719277196248
KIRC	H3F3A	cg15538837	0.0827867773493528	542	1.92504769754612	0.0547512577954586	0.00685365050389131	0.154155604377123
KIRC	H3F3A	cg15624314	0.0696867824390533	325	1.25353203824317	0.210921528118589	0.00485624764670795	0.396770145289748
KIRC	H3F3A	cg16724613	0.035043528392268	325	0.629220109861155	0.529651110623714	0.00122804888217969	0.707760250439927
KIRC	H3F3A	cg16727519	0.0461337137574859	325	0.82872225868773	0.407875444063259	0.00212831954505764	0.60398329295626
KIRC	H3F3A	cg18947521	0.124116357685783	542	2.89859356383258	0.00390161337836085	0.0154048702451853	0.0203613775802062
KIRC	H3F3A	cg19410789	0.0745913106851758	325	1.34223242325771	0.180466233058832	0.00556386362973242	0.357577049935784
KIRC	H3F3A	cg21266749	0.0190069273092212	325	0.341128740784346	0.733229147842099	0.000361263285738017	0.849453884247629
KIRC	H3F3A	cg21789564	-0.0120626564903026	325	-0.216472381630147	0.828756628101775	0.000145507681603039	0.907923361993663
KIRC	H3F3A	cg22519151	0.0442203757621632	325	0.794283240518266	0.427615544519919	0.00195544163254691	0.621955720569543
KIRC	H3F3A	cg27530209	-0.00231193138930873	325	-0.0414862364225023	0.966933976914978	5.34502674887099e-06	0.982596099486947
KIRC	H3F3A	cg27560444	0.00544451099839164	325	0.097395817121384	0.922473039648258	2.96427000116075e-05	0.959268381852648
KIRC	HAT1	cg00414306	-0.0233662397995396	325	-0.419406692181865	0.675198599296262	0.00054598116236959	0.812184371123241
KIRC	HAT1	cg01583365	0.0590793549238995	325	1.06199612131906	0.289033291714355	0.00349037017822409	0.486573670676387
KIRC	HAT1	cg04507121	0.201062795113827	325	3.68315903391785	0.000270099172958902	0.0404262475789849	0.00223604289253643
KIRC	HAT1	cg04950839	-0.110174014215127	325	-1.98911108744208	0.0475348170506833	0.0121383134082749	0.139112711085338
KIRC	HAT1	cg05421799	0.181937963268515	325	3.32017369035665	0.00100285478215405	0.0331014224782956	0.00673016605615011
KIRC	HAT1	cg09545452	-0.0792604077899269	325	-1.42676585164696	0.154616297281407	0.0062822122430255	0.322204608253457
KIRC	HAT1	cg10190161	0.0132074974193181	325	0.237020741464926	0.812791419893811	0.000174437988081294	0.899115368178028

KIRC	HAT1	cg12941622	-0.071740315931969	325	-1.29065952971245	0.197747704535475	0.00514667293001873	0.380142333074307
KIRC	HAT1	cg13293756	-0.0530766735048931	325	-0.953771252304484	0.340914875584361	0.00281713327034502	0.540200261354716
KIRC	HAT1	cg14446129	-0.0239211615044347	325	-0.429372762297162	0.667939124703273	0.000572221967721246	0.80737629007547
KIRC	HAT1	cg16017358	0.0448412315683937	542	1.04016381179191	0.298731889797792	0.0020107360485703	0.496940395264158
KIRC	HAT1	cg24611092	0.0874499408337043	217	1.28119824744031	0.201517136866762	0.00764749215181838	0.384858451058401
KIRC	HDAC1	cg03762702	-0.0259646384880241	325	-0.466075911849343	0.64147628688057	0.000674162451813782	0.789392192947894
KIRC	HDAC1	cg04967775	-0.189576741169809	325	-3.46466149026441	0.000602799815565487	0.0359393407925646	0.00439166593482876
KIRC	HDAC1	cg06473843	-0.114933267622766	325	-2.07616203117407	0.0386720367893696	0.0132096560064465	0.119449393710483
KIRC	HDAC1	cg10842753	-0.104210903284628	325	-1.88023526789336	0.0609785496699833	0.0108599123633981	0.166570641280476
KIRC	HDAC1	cg14172124	-0.214113985866007	324	-3.92724541590377	0.000105209953136203	0.0458447989434287	0.00100648095109171
KIRC	HDAC1	cg20002354	-0.193837883177956	325	-3.54554272657853	0.000449905410207392	0.0375731249549109	0.00343030788048607
KIRC	HDAC1	cg20793809	-0.13415785723087	325	-2.42933795754393	0.0156730328399904	0.0179983306567786	0.060358222331557
KIRC	HDAC1	cg21930229	-0.153089041829333	325	-2.77985243225974	0.0057581078211766	0.0234362547282232	0.0277520748305937
KIRC	HDAC1	cg23018091	-0.190942323111545	325	-3.490559390708	0.000549223459800557	0.0364589707552337	0.00406027652111798
KIRC	HDAC1	cg26115470	-0.159251662039955	325	-2.89460985972701	0.00405548699765217	0.025361091862488	0.0209699272512697
KIRC	HDAC10	cg00711351	-0.174140814302802	325	-3.17333127934888	0.00165240021957946	0.030325023206043	0.0101738680397281
KIRC	HDAC10	cg01120165	0.00472799152451335	542	0.109564203615502	0.912795931655077	2.23539038558701e-05	0.953846367933469
KIRC	HDAC10	cg04321608	-0.079589657772277	325	-1.43273038171604	0.152905018836049	0.00633451362430817	0.319969370274671
KIRC	HDAC10	cg04586023	-0.103518540238954	542	-2.41181953680082	0.0162075599501098	0.0107160881732039	0.0619295786023394
KIRC	HDAC10	cg07482373	0.00885004266570703	325	0.158814557404678	0.873914538858707	7.83232551848349e-05	0.933249378291058
KIRC	HDAC10	cg07744063	-0.0590101474938814	325	-1.06074771563772	0.289599542144105	0.00348219750724964	0.487094758746832
KIRC	HDAC10	cg09151829	-0.018799307496783	325	-0.337401138643989	0.73603435711969	0.000353413962358603	0.85111938725781
KIRC	HDAC10	cg10508940	-0.142986083176266	325	-2.59243154330891	0.00996454955429206	0.0204450199820901	0.0425013524878884
KIRC	HDAC10	cg11645658	-0.0124180670063724	325	-0.222851428997777	0.823792435747657	0.000154208388174754	0.905171027493689
KIRC	HDAC10	cg12464820	-0.0263168956466547	325	-0.47240342532069	0.636958866147428	0.000692578996476913	0.786333280961549
KIRC	HDAC10	cg26943378	-0.0596510383800701	325	-1.07230908436772	0.284384224856797	0.0035582463798206	0.481676167831692
KIRC	HDAC11	cg01409735	-0.0931837173111431	325	-1.67942933672069	0.0940383769751175	0.00868320517192303	0.227893881760764
KIRC	HDAC11	cg01712016	-0.00454610141391244	542	-0.105349080740486	0.916138157327244	2.06670380655767e-05	0.955734156858774
KIRC	HDAC11	cg02762546	-0.039064074079522	325	-0.701515208723737	0.483488241287349	0.00152600188369038	0.670361110466348
KIRC	HDAC11	cg02941903	-0.0271644169582421	325	-0.487627979743815	0.626145203760762	0.000737905548681229	0.778806341894083
KIRC	HDAC11	cg05987698	-0.0633253859941425	325	-1.13861870830938	0.255708627739468	0.00401010451130714	0.449956955131513
KIRC	HDAC11	cg07450135	-0.0768951721982108	325	-1.38393210226589	0.167337742856536	0.00591286750739249	0.34008757949165
KIRC	HDAC11	cg08051076	-0.0643130545569522	325	-1.15645061943334	0.248354142995392	0.00413616898644551	0.441650944090512
KIRC	HDAC11	cg08448040	0.0700555291704997	542	1.6274134266871	0.104235887586563	0.00490777716735874	0.245375575359612
KIRC	HDAC11	cg10061496	-0.10257903998598	217	-1.50503105582542	0.13379751404225	0.0105224594444454	0.291877507848988
KIRC	HDAC11	cg10455785	-0.0408215987768374	325	-0.733128499175073	0.464013438716718	0.00166640292669709	0.653229486998341
KIRC	HDAC11	cg11432034	0.00740551718836668	325	0.132890898928475	0.894362671907667	5.48416848271943e-05	0.9440136169863
KIRC	HDAC11	cg13397067	-0.0759522722478837	325	-1.36686304426141	0.172621777580861	0.00576874765961665	0.347288159851181
KIRC	HDAC11	cg13706066	-0.0709448315580921	325	-1.27627539390206	0.20277794454398	0.00503316912480607	0.386562438076708
KIRC	HDAC11	cg16254764	0.0103115101260477	542	0.238964014339528	0.811224656477665	0.000106327241079585	0.898198499350577
KIRC	HDAC11	cg18521047	0.120390285813755	325	2.17615439923216	0.0302702781570362	0.0144938209183176	0.099352207364293
KIRC	HDAC11	cg19779799	-0.159908691983508	325	-2.90686497838384	0.00390389860987846	0.0255707897718764	0.0203702386784416
KIRC	HDAC11	cg20894727	-0.143931430158154	325	-2.60993267191788	0.00947908497234161	0.0207162565873716	0.0408495921632722
KIRC	HDAC11	cg20922324	-0.0971020398300545	325	-1.75070689391495	0.0809487108950299	0.00942880613915749	0.20463500733756
KIRC	HDAC11	cg21655280	-0.0353469685498158	324	-0.633688994795598	0.526735067495505	0.00124940818566167	0.705412117626219
KIRC	HDAC11	cg25127083	-0.0501038390583435	325	-0.900211901159982	0.368680245187144	0.00251039468838439	0.567505981969911
KIRC	HDAC11	cg25150878	-0.0208074994234293	325	-0.373458081466647	0.709053288754433	0.000432952032256012	0.834238147822337
KIRC	HDAC11	cg27025856	-0.0556606091343963	541	-1.29063708095439	0.197385983712586	0.00309810340921204	0.379709327817432
KIRC	HDAC2	cg00161229	-0.0268467569717349	325	-0.481921533566844	0.630189074953997	0.000720748359899395	0.781766712103262
KIRC	HDAC2	cg01129566	0.195524968495929	325	3.57762280584588	0.000400012629667805	0.038230013305334	0.00310440767282295
KIRC	HDAC2	cg08198132	-0.156400176822502	325	-2.84146859785192	0.00477687344716455	0.0244610153101098	0.0239086465256848
KIRC	HDAC2	cg10999867	0.144455291801451	325	2.61963401674383	0.00921920745485154	0.0208673313294422	0.0400468493351231
KIRC	HDAC2	cg13393754	-0.176819207080533	325	-3.22370198220867	0.00139510893089927	0.0312650319925884	0.00885675076116563
KIRC	HDAC2	cg15005908	-0.0854819815829279	324	-1.53716205244454	0.125238714452252	0.00730716917534402	0.278788466881234
KIRC	HDAC2	cg15242771	-0.0191419708707455	325	-0.343553333969555	0.731406435290996	0.00036641504881647	0.848201189991767
KIRC	HDAC2	cg18387216	-0.0117955318846547	542	-0.273359950110439	0.784681636358411	0.000139134572441907	0.881074244472231
KIRC	HDAC2	cg18674783	0.0352349045570499	325	0.632660602705998	0.527404306109113	0.00124149849914442	0.706006996411403

KIRC	HDAC2	cg22867643	-0.194633351512101	325	-3.56066453548929	0.000425701188875274	0.037882141520833	0.00327178406316569
KIRC	HDAC2	cg24023618	0.199387559919949	325	3.65119524717238	0.000304509455313176	0.0397553990508312	0.00247567345127735
KIRC	HDAC3	cg01947930	0.0199438971483673	325	0.357951635547789	0.720614037108845	0.000397759033464654	0.841619727106629
KIRC	HDAC3	cg01961137	-0.00539989886291655	325	-0.09689913350927	0.922866779755778	2.91589077297274e-05	0.959446975254196
KIRC	HDAC3	cg04284814	-0.00371774432255311	542	-0.0861528528705516	0.931377021701438	1.38216228478759e-05	0.963680928157119
KIRC	HDAC3	cg08520975	-0.0450449144981434	325	-0.809123382298341	0.419041633614377	0.00202904432214505	0.614436430975344
KIRC	HDAC3	cg10414058	0.0782245485933665	542	1.81828950425279	0.0695768624853113	0.00611908000263596	0.18356097399472
KIRC	HDAC3	cg11064797	-0.048214435978679	542	-1.11858658997716	0.263816672798241	0.00232463183674213	0.459270798108323
KIRC	HDAC3	cg11153694	-0.0072019438802167	325	-0.12923761417832	0.897250321940354	5.18679956537908e-05	0.945641122108747
KIRC	HDAC3	cg12082871	-0.117283962358872	325	-2.11921136680227	0.0348376725701015	0.0137555278265974	0.110471880892024
KIRC	HDAC3	cg14098966	-0.155503641164837	325	-2.82477557008724	0.00502647356231488	0.0241813824155222	0.0248793971054733
KIRC	HDAC3	cg17940889	0.0547298451773526	325	0.983566129572422	0.326067331075829	0.00299535595313699	0.525569408953113
KIRC	HDAC3	cg18671773	-0.0762159699534715	325	-1.37163631765465	0.171131654423051	0.00580887407594848	0.345218751275459
KIRC	HDAC3	cg19549288	0.00645159501219818	325	0.115772142861933	0.907905294240428	4.16230782014204e-05	0.951176142483871
KIRC	HDAC3	cg20642138	0.025645206231802	325	0.460338174738373	0.645584213219842	0.000657676602671658	0.792216709255058
KIRC	HDAC3	cg23421926	-0.0469164061888018	325	-0.842812899053274	0.399958687088747	0.00220114916967264	0.596598203428029
KIRC	HDAC3	cg24385322	-0.0194848598837058	542	-0.451613470836448	0.651729800703659	0.000379659764687649	0.796416457736141
KIRC	HDAC6	cg07153944	-0.145437081867678	325	-2.63782176121301	0.00874915496758329	0.0211519447821856	0.038462463921122
KIRC	HDAC6	cg07674520	-0.149318431036232	316	-2.67166431284743	0.00794257790448126	0.0222959938471221	0.0357324141511228
KIRC	HDAC6	cg10783042	-0.0579917180223101	541	-1.34486866672487	0.179236426449713	0.00336303935917912	0.355992610274433
KIRC	HDAC6	cg12510923	-0.127992341509458	325	-2.31578744418422	0.0211977442924793	0.0163820394850737	0.0761337635959898
KIRC	HDAC6	cg13178935	-0.128867158940839	325	-2.33188203805021	0.0203232121444951	0.0166067446534834	0.0737177211530216
KIRC	HDAC6	cg17152375	-0.128417731028867	325	-2.32361292709831	0.0207684999537396	0.0164911136426025	0.0749484940112827
KIRC	HDAC6	cg24616736	-0.0824019485339003	542	-1.91603792169503	0.055890886243813	0.00679008112218356	0.156306417099299
KIRC	HDAC6	cg26680189	-0.140654992183476	325	-2.54930709588826	0.011257024855977	0.0197838268261336	0.0467642277884974
KIRC	HDAC9	cg00332048	-0.044523833200578	325	-0.799744711188009	0.424448300744039	0.00198237172287289	0.619362723258656
KIRC	HDAC9	cg02301805	-0.0545100209092561	325	-0.979603805897085	0.328017144683711	0.00297134237952754	0.527553561164453
KIRC	HDAC9	cg03260621	-0.102721633064932	325	-1.85307631479689	0.0647861152766667	0.0105517338995265	0.17413690763456
KIRC	HDAC9	cg07513622	0.0269815414390742	325	0.484342784718354	0.628471886906387	0.000728003578428481	0.780627089193184
KIRC	HDAC9	cg08146609	0.244412833483926	325	4.52300861127773	8.58297849358026e-06	0.0597376331716413	0.000114352496819589
KIRC	HDAC9	cg08285151	-0.143487261331642	542	-3.35983469667089	0.000835304960874485	0.020588594164455	0.00577842947224591
KIRC	HDAC9	cg08725366	-0.0264229146715869	325	-0.474307854793479	0.635601870760222	0.000698170419741964	0.785423142773521
KIRC	HDAC9	cg10068437	0.109776380785608	325	1.98184437862362	0.0483466708203841	0.0120508537783867	0.140706356520799
KIRC	HDAC9	cg11321459	0.209697526859081	325	3.84845291524277	0.000143343195899187	0.0439730527708149	0.00130959959856505
KIRC	HDAC9	cg11765288	0.244208242421582	325	4.51898230898301	8.73784790729236e-06	0.0596376656666384	0.000116117550409959
KIRC	HDAC9	cg12081743	0.103495291705515	542	2.41127201716309	0.01623164548984	0.0107112754052096	0.0619894270611985
KIRC	HDAC9	cg16475478	0.136034986904812	324	2.46013649790781	0.0144149191945272	0.0185055176621923	0.0566274919870245
KIRC	HDAC9	cg18856632	0.000968495176693072	325	0.0173790327533825	0.986144999384191	9.37982907277744e-07	0.99277163664877
KIRC	HDAC9	cg19585556	-0.0610001417324658	324	-1.09494644017011	0.274360980834625	0.00372101729138091	0.470828013513817
KIRC	HDAC9	cg20648975	0.0121404218599054	325	0.217868137893733	0.827669852005955	0.000147389842936469	0.907392736276725
KIRC	HDAC9	cg21433125	0.206964506204314	325	3.79603532648532	0.000175666012934577	0.0428343068283954	0.00155717431748319
KIRC	HDAC9	cg23074799	-0.00782030399579719	325	-0.140334629347797	0.888483347431541	6.11571545866814e-05	0.94078691053491
KIRC	HDAC9	cg23385718	0.12357294015783	325	2.23456396592901	0.0261317801603794	0.0152702715392506	0.0890800449496759
KIRC	HDAC9	cg24350771	0.184030728203763	325	3.35969529880381	0.000874025637371181	0.0338673089232073	0.00599964267481281
KIRC	HDAC9	cg25620356	0.203425710243783	325	3.72830120740178	0.000227693254565803	0.0413820195881877	0.00193607706259614
KIRC	HDGF	cg00692559	0.047855478996443	325	0.859720876479375	0.390582529519542	0.002290146869979	0.587902961824515
KIRC	HDGF	cg00746981	0.141352551693847	542	3.30882232066555	0.000999699296191829	0.0199805438703617	0.00671188461620326
KIRC	HDGF	cg01910231	-0.167928805490236	325	-3.05678367965577	0.0024245671223616	0.0282000837133774	0.0138831719944795
KIRC	HDGF	cg02914429	0.0260236028134511	325	0.46713506215212	0.640719188683407	0.000677227903392262	0.788916507108444
KIRC	HDGF	cg04402095	-0.0733290704840946	325	-1.31939520130406	0.187974404874348	0.00537715257806131	0.367456047160394
KIRC	HDGF	cg05762852	0.0294478146664746	325	0.528651407831232	0.59741147727848	0.000867173788631039	0.758275077989932
KIRC	HDGF	cg05967123	-0.00618434375864204	325	-0.110976203375922	0.911704356413346	3.82461077250548e-05	0.953118919678633
KIRC	HDGF	cg06106793	0.0855748839878478	542	1.99035019375026	0.0470588768915368	0.00732306076953361	0.138018488026148
KIRC	HDGF	cg06119628	-0.00974107549636243	325	-0.174805644069774	0.861342214250674	9.48885518258325e-05	0.926320641102298
KIRC	HDGF	cg07313589	0.0314020991437859	325	0.563768555300846	0.573304070491323	0.000986091830636161	0.740712229808858
KIRC	HDGF	cg07892339	0.0868466522032316	325	1.56431793231397	0.118725138259886	0.00754234099890908	0.268780473351847
KIRC	HDGF	cg08597205	0.0726862538989962	325	1.3077674273382	0.191885103987747	0.00528329150586934	0.372368533716393

KIRC	HDGF	cg08708935	-0.136855849233319	325	-2.47911648696152	0.0136823860110006	0.0187295234693728	0.054423444799563
KIRC	HDGF	cg09063372	0.0716698313054947	325	1.28938491054978	0.198189709758767	0.00513656471935807	0.380741405952039
KIRC	HDGF	cg09477492	0.0670592977957966	325	1.20605090723015	0.228683276885891	0.00449694942086533	0.418632032239764
KIRC	HDGF	cg11588596	0.102821350759982	325	1.85489441274108	0.0645252127214024	0.0105722301721072	0.173589044453048
KIRC	HDGF	cg12220178	-0.126939120275694	325	-2.29641792487108	0.0222937508201586	0.0161135402563671	0.0789907110267543
KIRC	HDGF	cg12421458	0.00778900892122212	534	0.179152639745829	0.857886445068744	6.06686599748778e-05	0.924470060086131
KIRC	HDGF	cg13170934	0.056867118668608	325	1.02209796496735	0.30750181010856	0.00323386918566954	0.506011442274154
KIRC	HDGF	cg13235992	0.0231585696174626	325	0.4156771570878	0.677923134036621	0.000536319346726863	0.813963950630401
KIRC	HDGF	cg14155849	-0.170815112574552	325	-3.11088802044831	0.002032128105218	0.0291778026838569	0.0120475060065028
KIRC	HDGF	cg15503799	0.0847910276175282	542	1.9719861697088	0.0491239380853414	0.00718951836443643	0.142426087018682
KIRC	HDGF	cg17170583	-0.11344382461878	325	-2.04890352931912	0.0412817534136818	0.0128695013441366	0.125243569356719
KIRC	HDGF	cg17218029	-0.0625890000848201	324	-1.12357702204511	0.262032084722463	0.00391738293161761	0.457355165515383
KIRC	HDGF	cg17971171	-0.00207686401054358	325	-0.0372680726220315	0.970294355822078	4.31336411829115e-06	0.984298837253315
KIRC	HDGF	cg18593717	-0.181145513470115	325	-3.3052205872037	0.00105604555736477	0.0328136970503516	0.00702591363120116
KIRC	HDGF	cg19599803	-0.0377332240351646	325	-0.67758103784282	0.4985239244775	0.00142379619608793	0.682784686281737
KIRC	HDGF	cg20284773	0.0365788002519692	325	0.656822667489157	0.51176409840366	0.00133800862787346	0.69379362412231
KIRC	HDGF	cg23747104	0.0433128084232979	325	0.777950619600339	0.437169354047955	0.0018759993735133	0.630102507296228
KIRC	HDGF	cg26431298	-0.00086795727113907	325	-0.0155749422548907	0.987583142148098	7.53349824523183e-07	0.993380436517574
KIRC	HDGFL1	cg02685945	0.0115208057835404	325	0.206747189679888	0.836337974302817	0.000132728965902058	0.91237908327257
KIRC	HDGFL1	cg03930485	-0.0936008244692323	325	-1.68701305975196	0.0925692918158605	0.00876111434132004	0.225393911972552
KIRC	HDGFL1	cg05276066	-0.194499062534237	325	-3.55811119814309	0.000429700488405351	0.037829885326697	0.00329828513024232
KIRC	HDGFL1	cg06566039	-0.145652344913559	325	-2.648181058948996	0.00864898817716594	0.0212146055788183	0.0381428223500253
KIRC	HDGFL1	cg08671671	-0.0751283668652395	325	-1.35195113306325	0.177339785374958	0.00564427150783802	0.353606850274497
KIRC	HDGFL1	cg09081892	-0.104266827494063	325	-1.88125537300422	0.060839243690778	0.0108715713156766	0.166289372625971
KIRC	HDGFL1	cg11894257	-0.173202622130537	325	-3.15570458341454	0.00175234276489923	0.0299991483128937	0.0106759928774823
KIRC	HDGFL1	cg15317945	-0.0921348041899188	325	-1.66036223102408	0.0978150336400789	0.00848882214311468	0.234374063726131
KIRC	HDGFL1	cg20209681	-0.127291668862057	325	-2.30290067223519	0.0219215413682407	0.0162031689616876	0.0780512635100292
KIRC	HDGFL1	cg21898884	-0.0469481967825834	325	-0.84338525084988	0.399639088044267	0.00220413318113618	0.596281540024083
KIRC	HIST1H1	cg00667898	0.00352888826337909	325	0.0633240302001279	0.949547771574345	1.24530523754147e-05	0.973250971179696
KIRC	HIST1H1	cg00700007	-0.00653259534850939	325	-0.117225733828487	0.906754258414544	4.26748019873665e-05	0.95070002936873
KIRC	HIST1H1	cg03821311	-0.0429942920959094	542	-0.997240058736559	0.319097144038555	0.00184850915282838	0.518481206886991
KIRC	HIST1H1	cg04676561	-0.0407099137823237	542	-0.944164139741141	0.34551037518625	0.00165729708016423	0.544807729188405
KIRC	HIST1H1	cg07138603	-0.0118839566175176	325	-0.213265037363092	0.831255203661115	0.00014122842488704	0.909606674547603
KIRC	HIST1H1	cg11206041	-0.010334519954956	324	-0.185168034818471	0.85321417996838	0.000106802302699383	0.921812856158839
KIRC	HIST1H1	cg14334286	-0.0155333346324658	325	-0.278769357879329	0.780600775646045	0.000241284484804162	0.878814135175231
KIRC	HIST1H1	cg18798248	0.0108121893597862	325	0.194029143114926	0.846275409247805	0.000116903438751873	0.917861143885125
KIRC	HIST1H1	cg23460835	-0.00318659356912397	325	-0.0571816675455447	0.954435948002578	1.01543785747823e-05	0.975810095136188
KIRC	HIST1H1	cg00903962	-0.11734873123962	325	-2.12039801633774	0.0347367716494729	0.0137707247235486	0.11020849974303
KIRC	HIST1H1	cg04290376	0.0804498350346427	325	1.44831516018706	0.14850194905853	0.00647217595710122	0.313570398595605
KIRC	HIST1H1	cg07750111	0.0254676964747433	542	0.590361049729836	0.555196968261567	0.000648603563729651	0.726680680882636
KIRC	HIST1H1	cg08283682	0.00135915814145109	325	0.0243892434008057	0.980557235438337	1.84731085347277e-06	0.989948473495769
KIRC	HIST1H1	cg10717387	0.0164199351158264	325	0.294684929669813	0.768424469928891	0.00026961426920795	0.871692077771906
KIRC	HIST1H1	cg12633985	-0.0869220988473458	325	-1.56568724989298	0.118404045919626	0.00755545126802775	0.268303409404659
KIRC	HIST1H1	cg15022984	0.0335153500487295	325	0.601749515846082	0.547764321761001	0.00112327868888887	0.721040586931679
KIRC	HIST1H1	cg16481032	-0.0625027963077204	325	-1.12376978803011	0.261947794856991	0.00390659954628438	0.457303003337701
KIRC	HIST1H1	cg16482183	0.0036132119154393	325	0.0648371929840172	0.948343861506747	1.30553003458726e-05	0.972570728562975
KIRC	HIST1H1	cg17691542	-0.00096928241318009	325	-0.0173931592269784	0.986133738543962	9.39508396500231e-07	0.99277163664877
KIRC	HIST1H1	cg20855557	0.198920558933968	324	3.63663061275984	0.000321668725226248	0.0395693887666022	0.00259019737193362
KIRC	HIST1H1	cg21453677	0.0662557069470857	217	0.969099633672689	0.333594605211756	0.00438981870305809	0.533182119956067
KIRC	HIST1H1	cg23407813	-0.0204291940356142	325	-0.366665302744044	0.714109511999049	0.000417351968944776	0.837329083538631
KIRC	HIST1H3	cg00958605	0.174770112016524	325	3.18515947569629	0.00158831795699133	0.0305445920542683	0.00985732805314587
KIRC	HIST1H3	cg01043409	0.0186476644961804	325	0.334678570731584	0.73808546625376	0.000347735391162107	0.852503824009016
KIRC	HIST1H3	cg08041469	0.145461304227713	325	2.6382705828776	0.00873783246666324	0.0211589910276271	0.0384257172929113
KIRC	HIST1H3	cg08401836	0.139645212528725	325	2.53063996371845	0.0118614432799635	0.0195007853821929	0.048716756165553
KIRC	HIST1H3	cg10075390	0.012816130051461	325	0.22999612109414	0.818240822722565	0.000164253189495962	0.902256932145702
KIRC	HIST1H3	cg15479139	-0.0258028662761676	325	-0.463170093562317	0.643555336362819	0.000665787908065788	0.790773252110986
KIRC	HIST1H3	cg15797414	0.178628660700009	542	4.20707266985212	3.03166087746654e-05	0.0319081984234789	0.000344198812465897

KIRC	HIST1H3	cg21209604	-0.0437544343428898	325	-0.785897895119037	0.432505234824889	0.00191445052466625	0.626222565801846
KIRC	HIST1H3	cg23099349	-0.00903469473968883	542	-0.2093718795502	0.834237345441434	8.16257090393611e-05	0.9111114138021492
KIRC	HIST1H3	cg25701114	-0.0395647691789694	325	-0.710520732000224	0.477895568758624	0.00156537096018512	0.66552232064746
KIRC	HLTF	cg00906762	-0.103795790350121	325	-1.87266381812432	0.0620208286131838	0.0107735660944063	0.168689194501574
KIRC	HLTF	cg02059813	0.0250545328103008	542	0.58077752857165	0.561634051459628	0.00062772961434244	0.731990138874003
KIRC	HLTF	cg02398045	-0.0982685774580044	325	-1.77194290511405	0.0773496697005625	0.00965671331561981	0.198197705612835
KIRC	HLTF	cg02611507	-0.110084418451805	325	-1.98747365010492	0.0477167432903833	0.0121185791858722	0.139451979641601
KIRC	HLTF	cg02710346	-0.00053864394736444	325	-0.0096656214678763	0.992294055503191	2.90137302032349e-07	0.995936850843003
KIRC	HLTF	cg03678609	-0.240640751249071	325	-4.4488774834002	1.19053529714123e-05	0.0579079711617173	0.000152681343398953
KIRC	HLTF	cg04120413	-0.188032088777419	325	-3.4353926931009	0.000669215959643318	0.035356066409999	0.00479824759119745
KIRC	HLTF	cg04731810	-0.170782299844312	325	-3.1102724794328	0.00203624269002652	0.0291665939401125	0.0120669218692916
KIRC	HLTF	cg04836786	-0.083510041331481	535	-1.93655127893261	0.0533274475663194	0.00697392700318566	0.15118937291167
KIRC	HLTF	cg05555455	-0.260705958665143	325	-4.84577659139125	1.96406349013966e-06	0.067967596883511	3.11122694261708e-05
KIRC	HLTF	cg07275648	0.0674563000716475	325	1.21322347228117	0.225933620766746	0.00455035241935615	0.415366667281257
KIRC	HLTF	cg09352720	0.0398495871560392	325	0.715643718960672	0.474729983902019	0.00158798959650676	0.662607914505028
KIRC	HLTF	cg09392355	0.00264794043114241	325	0.047515758817999	0.962131627324773	7.01158852687866e-06	0.980148601646108
KIRC	HLTF	cg15438497	-0.275914312276844	325	-5.15105786413892	4.52243333798678e-07	0.0761287077192038	8.42880160745912e-06
KIRC	HLTF	cg16724124	0.139766087717571	325	2.53287407830695	0.0117876134369399	0.0195345592758759	0.0484982864244394
KIRC	HLTF	cg20117402	-0.0508324049691251	325	-0.913335657883513	0.361749380218614	0.00258393339494513	0.560640913314344
KIRC	HLTF	cg21089667	0.0199741911667606	542	0.462959496533558	0.6435809524206	0.000398968312766297	0.790773252110986
KIRC	HLTF	cg21111416	-0.147972551383437	325	-2.68482852238457	0.00763237874540684	0.0218958759629239	0.0346656511046345
KIRC	HLTF	cg21835021	-0.00209795602903136	325	-0.0376465578358712	0.969992814955942	4.40141949974904e-06	0.984161789481213
KIRC	HLTF	cg21926402	-0.0413619320518445	325	-0.742849043295024	0.458114671340886	0.0017108094230614	0.648150818264852
KIRC	HLTF	cg24041269	-0.110855894449059	325	-2.00157462914628	0.0461691750944961	0.0122890293341008	0.136126011267812
KIRC	HLTF	cg24710191	0.182175753037041	324	3.31949542640454	0.00100554521687927	0.0331880049946131	0.00674589380837406
KIRC	HLTF	cg25951608	-0.0073613871499048	325	-0.132098948940651	0.894988531465155	5.41900207707835e-05	0.944215125484808
KIRC	HLTF	cg26151310	-0.0572648591828422	542	-1.32919467644538	0.184348180876001	0.00327926409723074	0.362782164914238
KIRC	HLTF	cg27554556	-0.0295663438469499	325	-0.530781118735937	0.595936350006827	0.000874168688476074	0.757204340836808
KIRC	IDH1	cg00707300	0.106732443121076	325	1.9262483753123	0.0549534086325427	0.0113918144145938	0.154556958465655
KIRC	IDH1	cg01046174	0.0173453487125118	542	0.402008762307611	0.687837530898323	0.000300861121958633	0.82047337972192
KIRC	IDH1	cg02241586	0.0461688639721514	542	1.07102519793432	0.28463922440554	0.00213156400047902	0.481940809921043
KIRC	IDH1	cg03448938	0.115324071854903	325	2.0831653539549	0.0380108716693907	0.0132996415491949	0.117903419084872
KIRC	IDH1	cg05268564	0.0515186603984686	325	0.92569860685905	0.355295882139558	0.00265417236925273	0.554160526326682
KIRC	IDH1	cg07129696	0.0105904659528775	325	0.190049775254488	0.849389878670784	0.000112157969099057	0.919696524855805
KIRC	IDH1	cg07915542	0.11700515249345	542	2.73014338794376	0.00653855750037552	0.0136902057100156	0.0306865674580245
KIRC	IDH1	cg09406631	0.0948582673729858	325	1.70988096687848	0.0882512173225531	0.00899809088900486	0.217887435348335
KIRC	IDH1	cg09615745	0.00231266953650539	325	0.0414994821066159	0.966923425705208	5.34844038508006e-06	0.982596099486947
KIRC	IDH1	cg10356455	0.119089057084727	325	2.15229335823087	0.0321171283942457	0.0141822035173293	0.103849698088115
KIRC	IDH1	cg14772913	0.119412872032765	325	2.15823019836644	0.0316487741235781	0.0142594340071136	0.102708287827311
KIRC	IDH1	cg15399923	-0.0557834527711589	325	-1.00255936612948	0.316826305957843	0.00311179360307212	0.516095769116244
KIRC	IDH1	cg16085695	-0.00466523153172584	325	-0.0837154978469912	0.933334655002533	2.1764385244609e-05	0.96455491991162
KIRC	IDH1	cg16863783	0.128999695256303	325	2.33432087804865	0.0201934897255981	0.016640921376219	0.0733669129326161
KIRC	IDH1	cg24324379	0.0578333689187207	541	1.3411840991697	0.180428709764198	0.00334469856048885	0.357549969963945
KIRC	IDH1	cg24830471	0.0199681473190031	325	0.358387049376812	0.720288524848218	0.000398726907353411	0.841392237679401
KIRC	IDH1	cg24987806	0.0647312191144478	325	1.16400141736102	0.245285175481805	0.00419013072804265	0.438196733142689
KIRC	IDH1	cg25795625	0.0860107508665691	325	1.54914856459315	0.122328267878695	0.00739784926463102	0.274280215023801
KIRC	IDH1	cg26105702	0.0804620958505728	325	1.44853732634464	0.148439892646464	0.00647414886866676	0.313498927882151
KIRC	ING2	cg02075087	0.0224844691767068	325	0.403571400281148	0.686795785012502	0.000505551354158278	0.819721059305093
KIRC	ING2	cg02552216	-0.00992968849807063	325	-0.178190674558042	0.858685284348728	9.85987136687161e-05	0.924908105486056
KIRC	ING2	cg10348863	-0.00162632182853357	542	-0.0376872291521522	0.969951064179743	2.64492268996477e-06	0.984132264119037
KIRC	ING2	cg17985608	0.00323720333286714	325	0.0580898413406984	0.953713097886982	1.04794854183261e-05	0.975506951943566
KIRC	ING3	cg01382559	-0.087780741031339	325	-1.58127307993707	0.11479734117298	0.00770545849601099	0.262601280851882
KIRC	ING3	cg01416111	-0.0416051599658782	325	-0.747224902863846	0.455473103585847	0.00173098933578632	0.645799380690714
KIRC	ING3	cg10268125	0.095412647481973	325	1.71996556222556	0.0863995300886662	0.00910357329951924	0.214596119016561
KIRC	ING3	cg14303833	-0.0403598726723622	325	-0.724822601394276	0.469087231389707	0.00162891932212929	0.658014246159279
KIRC	ING3	cg16130600	0.0928876935438152	325	1.67404765866584	0.095092240926895	0.00862812361188973	0.229718653754205
KIRC	ING3	cg18485114	0.103451315069644	325	1.86638151468018	0.0628968487732391	0.0107021745896388	0.170380857074496

KIRC	ING3	cg19478983	0.115858877811531	325	2.09310888765243	0.0371216096803149	0.0134232795677472	0.115884370123211
KIRC	ING3	cg19960827	0.00160229146934019	325	0.0287521293673282	0.977080091961165	2.56733795272033e-06	0.987976612691417
KIRC	ING3	cg20553930	-0.0204123599886017	325	-0.366363037519489	0.714334799247364	0.00041666444034268	0.837479637896909
KIRC	ING3	cg24859794	-0.0506197644015387	325	-0.909505184319391	0.363763784684204	0.00256236054806728	0.562697895562287
KIRC	ING4	cg00369908	-0.221814742587771	325	-4.08201093104733	5.63688256979262e-05	0.0492017800292791	0.000588848721141999
KIRC	ING4	cg00443163	-0.0188517122585923	325	-0.338342008596338	0.735325969498862	0.00035538705508076	0.85074283865548
KIRC	ING4	cg00591160	-0.0878825598302182	325	-1.58312150084277	0.114375422074326	0.00772334432231187	0.261950840974656
KIRC	ING4	cg03930474	-0.176035985927176	542	-4.14404222525098	3.9640656054838e-05	0.0309886683413531	0.000434399943249763
KIRC	ING4	cg04375284	-0.12553661235413	325	-2.27063700798063	0.0238291430277493	0.0157594410413512	0.0831433599166096
KIRC	ING4	cg08733494	-0.0929487354942689	325	-1.67515735760996	0.0948741604014432	0.00863946742998355	0.229354892301736
KIRC	ING4	cg12392916	-0.0755228218561699	325	-1.35909004739895	0.175069187939617	0.00570369662111877	0.350634169367556
KIRC	ING4	cg18123790	-0.146715277456965	325	-2.66151238134464	0.00816918725794689	0.0215253726392743	0.0365153845980648
KIRC	ING4	cg23354319	-0.121011135981894	325	-2.18754312688678	0.0294215959192651	0.0146436950316285	0.097279816858959
KIRC	ING4	cg27116036	-0.0746518690514703	325	-1.34332824446233	0.180111670489924	0.00557290155287787	0.357179747409409
KIRC	INO80	cg00734724	0.0694553417265485	325	1.24934864764341	0.212444974961674	0.00482404449435163	0.398698515704168
KIRC	INO80	cg06380007	0.1099615693312	542	2.56371486399688	0.0106269172021433	0.0120915467297804	0.0446991293227106
KIRC	INO80	cg12580230	0.00253524871912245	325	0.0454935579678137	0.963742109839138	6.42748606781205e-06	0.980933420081546
KIRC	INO80	cg18952654	0.0460644452328598	325	0.827475306671068	0.408580527954227	0.00212193311461114	0.60456706783968
KIRC	INO80	cg21007089	0.183388054620754	325	3.34755348490813	0.00091186372661158	0.0336311785775845	0.00621441320613414
KIRC	INO80	cg21598047	-0.0315744359980885	325	-0.566865634639636	0.571200401347047	0.000996945008597386	0.739115701926608
KIRC	INO80	cg22835709	0.00851907534727123	325	0.152874889171813	0.878592690336003	7.25746447724844e-05	0.935509228617169
KIRC	INO80	cg26409855	0.0416991292227124	325	0.748915518561077	0.454454843764695	0.00173881737793247	0.644719894154035
KIRC	INO80	cg27441689	-0.0782548215841351	325	-1.40855204919542	0.159932500765087	0.00612381710116481	0.329666905208514
KIRC	INTS12	cg00093890	4.75837717757028e-05	325	0.00085386025787144	0.999319246905594	2.26421533640217e-09	0.999676909126047
KIRC	INTS12	cg01852585	-0.0746535168984572	325	-1.34335806294037	0.180102029732139	0.00557314758530823	0.357173816528974
KIRC	INTS12	cg03607115	-0.0325510020514542	325	-0.584416545068025	0.559349320233078	0.00105956773455378	0.730150027153032
KIRC	INTS12	cg19703969	-0.1006587018246	325	-1.81547660489742	0.0703807749157788	0.0101321742530137	0.185123140512513
KIRC	INTS12	cg26533745	0.0283879174856797	325	0.509608348277393	0.610674953050295	0.000805873859173758	0.76781224924595
KIRC	IWS1	cg02372421	0.0479236833393137	324	0.859611065196505	0.39064497905376	0.00229667942480682	0.587908206376648
KIRC	IWS1	cg02592214	0.0412606864846996	325	0.741027595744936	0.459216761423041	0.00170244424918867	0.649119809905406
KIRC	IWS1	cg10180764	0.00833069854289158	325	0.149494228330232	0.881257251878461	6.94005382125358e-05	0.937051019007586
KIRC	IWS1	cg10488833	0.0287173397358597	325	0.515526855437143	0.606538666488328	0.000824685601504785	0.764908368799323
KIRC	IWS1	cg15239145	-0.217188879417703	325	-3.99262056333691	8.09941698372807e-05	0.0471710093427174	0.000802756343504631
KIRC	IWS1	cg17144508	0.0501677039348655	325	0.901362249937661	0.368069429066844	0.00251679851809632	0.566934486295213
KIRC	IWS1	cg18451256	0.0272465913551991	325	0.489104185172594	0.625100920998545	0.000742376740477212	0.778102965712927
KIRC	IWS1	cg18530950	-0.0255478834825653	325	-0.45859006272038	0.646837941527581	0.000652694350438735	0.792929686314377
KIRC	IWS1	cg19311602	0.133110523979245	542	3.11230058192969	0.0019551548627026	0.017718411594029	0.0116756979649256
KIRC	IWS1	cg19409088	0.0395560599894904	325	0.710364083588013	0.477992546975005	0.00156468188189216	0.665609712515189
KIRC	IWS1	cg21581038	-0.00182615828004306	325	-0.0327692933947141	0.973878868123947	3.33485406376984e-06	0.986367908276821
KIRC	IWS1	cg21679674	0.00295949788226005	325	0.0531065233869178	0.957679965504035	8.75862771510171e-06	0.977700492597484
KIRC	IWS1	cg22409775	0.0140361068961168	325	0.251893747620348	0.801283887843087	0.000197012296799218	0.891532756058665
KIRC	IWS1	cg23570261	0.113233518054514	542	2.64097549731395	0.00850749650040539	0.0128218296110019	0.0376768861865272
KIRC	IWS1	cg23623107	0.0803568538429123	325	1.44663036121068	0.148973202418518	0.00645722395953118	0.314292490886429
KIRC	JADE1	cg09863040	-0.1660183099372	324	-3.02101569290799	0.00272106514507783	0.0275620792344043	0.0152399238226195
KIRC	JADE1	cg12832492	-0.111467972220305	324	-2.01276474451584	0.0449714860151665	0.0124251088309067	0.13351569602961
KIRC	JADE1	cg14617908	0.000175103390114399	324	0.0031421180453051	0.997494902365218	3.06611972295553e-08	0.998778778729371
KIRC	JADE1	cg15389440	-0.108202766912445	324	-1.95309616375925	0.0516741075592517	0.0117078387675088	0.147799772192441
KIRC	JADE1	cg15836763	-0.039021061964944	324	-0.700741615789093	0.483970322315897	0.001522643276872	0.670760445665225
KIRC	JADE1	cg20039387	0.0337236756358919	324	0.605494131731256	0.545277243054265	0.00113728629839485	0.719190564005349
KIRC	JADE1	cg22922695	-0.00783070526410358	324	-0.140521290580596	0.888335993511853	6.13199449332595e-05	0.940720512363686
KIRC	JADE1	cg26766900	-0.128491126358476	324	-2.3249632423494	0.0206952074621346	0.0165099695528698	0.074758364465833
KIRC	JADE2	cg04590931	0.0697208381177443	539	1.61960037094962	0.105905233163442	0.00486099526784071	0.248126482011709
KIRC	JADE2	cg04842522	0.135775159388534	324	2.4591708461807	0.0144513666788353	0.0184348939069817	0.0567277030685897
KIRC	JADE2	cg17378563	-0.172285208069741	324	-3.13847683009979	0.00185539221622823	0.0296821929196339	0.0111846867159441
KIRC	JADE2	cg18145011	0.0463895182060631	324	0.833327280598011	0.405277872823237	0.00215198739939066	0.601710958481136
KIRC	JADE2	cg21194015	0.0353320193379172	324	0.634406524437694	0.526266007685808	0.00124835159049496	0.704973381785334
KIRC	JADE2	cg25669900	-0.0672762916152121	324	-1.20997122200923	0.227177443247727	0.00452609941349506	0.416797368520676

KIRC	JADE2	cg26133206	0.0318825733155512	325	0.572403321242676	0.567448192875844	0.0010164984812215	0.736090188867676
KIRC	JADE3	cg10860619	-0.028078214073164	325	-0.504044267747565	0.614574962895585	0.000788386105538423	0.770790848282879
KIRC	JADE3	cg17843048	-0.0687755210809101	535	-1.5975357710376	0.110734562672348	0.00473007229995071	0.256159514512852
KIRC	JADE3	cg19194595	-0.0766715018787288	535	-1.78197408692881	0.0753184262774149	0.00587851920033991	0.194475648088103
KIRC	JARID2	cg01769037	0.000451283864286342	542	0.0104577195900185	0.991659982959505	2.03657126165214e-07	0.995612086372753
KIRC	JARID2	cg03223185	0.0534975630801581	325	0.961356129013863	0.337094479667002	0.0028619892555155	0.536659212670233
KIRC	JARID2	cg05197191	-0.234735919742449	325	-4.33326033397135	1.96608154421036e-05	0.0551009520173334	0.000235850960139245
KIRC	JARID2	cg06047828	0.0799493071455377	325	1.43924615148317	0.151052170895844	0.00639189171305152	0.317207520115299
KIRC	JARID2	cg14862454	0.0157688873038361	325	0.2829977530455	0.777360402007841	0.000248657806801083	0.876904646169656
KIRC	JARID2	cg15109221	0.0104834053304233	325	0.188128321075985	0.850894562097204	0.000109901787321948	0.920495849101554
KIRC	JARID2	cg21397480	-0.0459566022306438	325	-0.825533971827937	0.409679697814488	0.00211200928858561	0.605594708261803
KIRC	JARID2	cg21901688	-0.205005009054237	325	-3.7585106591781	0.000202910877794024	0.042027053737328	0.00175762708240823
KIRC	JARID2	cg25338254	0.289530442983589	325	5.42792245080678	1.12383278372417e-07	0.0838278774142732	2.41512286124414e-06
KIRC	JMJD6	cg02318866	-0.104232722271391	325	-1.88063326261053	0.0609241677959299	0.0108644603921049	0.166445468288554
KIRC	JMJD6	cg04510639	-0.141793254896565	325	-2.57035914405452	0.010608480100696	0.0201053271341622	0.0446360593300634
KIRC	JMJD6	cg07312083	-0.224223176340484	325	-4.12866587179642	4.65333341081299e-05	0.050276032808216	0.000497938678625565
KIRC	JMJD6	cg08857478	-0.0670771459741117	325	-1.20637335451366	0.228559152705957	0.00449934351203229	0.41848358890998
KIRC	JMJD6	cg10712116	-0.0863809109371232	325	-1.55586556868574	0.120722346978444	0.00746166177432722	0.271759773738094
KIRC	JMJD6	cg12504415	-0.109509099394605	325	-1.97696308101873	0.0488988723358048	0.0119922428502175	0.141920566874034
KIRC	JMJD6	cg15457598	-0.0584304824058602	325	-1.05029196539502	0.294371507794171	0.00341412127418153	0.492162842839883
KIRC	JMJD6	cg21102709	-0.0872734618426465	325	-1.57206466454968	0.116917605902608	0.00761665714199988	0.266004393694249
KIRC	JMJD6	cg21807925	-0.0969833296325396	325	-1.74854626668881	0.0813224241155925	0.00940576622661384	0.205349151572592
KIRC	JMJD6	cg23630158	-0.117601820189895	325	-2.12503519594965	0.034344872811878	0.0138301881119764	0.109241353975273
KIRC	JMJD6	cg25004679	-0.130997159279188	325	-2.37109229165441	0.0183237764589066	0.017160255739217	0.0680517432493524
KIRC	JMJD6	cg25908504	-0.0764463865331145	325	-1.37580739609126	0.169837465678075	0.00584405001397035	0.34346983796804
KIRC	JMJD6	cg26612088	0.0137496702358312	325	0.24675233700183	0.805257137016109	0.000189053431594103	0.894226935179022
KIRC	JMJD8	cg00873473	-0.116250780418406	325	-2.10028583581501	0.0364812126025297	0.0135142439478885	0.114413201096601
KIRC	JMJD8	cg02851105	-0.119712738759705	325	-2.16372859361964	0.0312202691347442	0.0143311398213493	0.10169365729047
KIRC	JMJD8	cg03899598	0.00928861203279819	325	0.166685374593995	0.867722234644909	8.62783134958434e-05	0.92972458917949
KIRC	JMJD8	cg05787952	-0.0993683121242567	325	-1.79196956710692	0.0740766285805616	0.00987406145442371	0.192109785771784
KIRC	JMJD8	cg06191810	-0.106750448889116	325	-1.92657707898018	0.0549122292611117	0.0113956583380278	0.154474649712118
KIRC	JMJD8	cg06646636	-0.0777102482550902	325	-1.39869020784395	0.162868313685615	0.00603888268386775	0.333592522441714
KIRC	JMJD8	cg08398290	-0.119493880503517	325	-2.15971552107187	0.0315325222234831	0.0142787874777887	0.102459101450172
KIRC	JMJD8	cg26750188	-0.0562262907442894	325	-1.01054334334441	0.312993793004748	0.00316139577086136	0.512007720014539
KIRC	JMJD8	cg27579097	-0.125035717048481	325	-2.26143290541216	0.0243992020137611	0.0156339305378279	0.0846426542456423
KIRC	KAT2B	cg00770008	-0.0385261180466697	325	-0.691840098285853	0.489536295795078	0.00148426177174593	0.675493749247619
KIRC	KAT2B	cg04371528	0.0435637185743092	325	0.782465814758845	0.434515903470314	0.00189779757602161	0.628011708213091
KIRC	KAT2B	cg05072819	-0.0844458156680222	325	-1.52075802250281	0.129301904139859	0.00713109578383758	0.285086892101911
KIRC	KAT2B	cg12062464	-0.0287750531945239	532	-0.660847598241044	0.508998829809879	0.000828003686347682	0.691506670501026
KIRC	KAT2B	cg14937543	0.0591406003102534	325	1.06310091563426	0.288532805867225	0.00349761060505714	0.486067716919702
KIRC	KAT2B	cg18053505	0.0225120377443882	542	0.521809555137496	0.602018089667235	0.000506791843404758	0.761555771298972
KIRC	KAT5	cg00582417	-0.0233013341039089	325	-0.418241049264596	0.676049678448549	0.000542952171021986	0.812768261810385
KIRC	KAT5	cg02561205	-6.39146030810735e-05	325	-0.0011469065498945	0.999085611375977	4.08507648701117e-09	0.999548162907774
KIRC	KAT5	cg05785768	-0.109457784050413	325	-1.9760227522029	0.0490054902000567	0.0119810064892268	0.142158884096944
KIRC	KAT5	cg07564927	-0.145012117116501	325	-2.62994827935931	0.00894993443439861	0.0210285141106097	0.0391746581550445
KIRC	KAT5	cg14726348	-0.126121529537523	325	-2.28138727146001	0.0231780479172272	0.0159066402128844	0.0814340646586926
KIRC	KAT5	cg18896539	0.0214357263844752	542	0.496849832467428	0.619498289147592	0.000459490365630087	0.774300700598444
KIRC	KAT5	cg20108992	-0.107439182833744	325	-1.9391516798496	0.0533562076448364	0.0115431780079826	0.151251423587888
KIRC	KAT5	cg20423942	-0.13299398892446	325	-2.40788139378562	0.0166072607934172	0.0176874010900393	0.0630678665444519
KIRC	KAT5	cg22048492	0.070979958740967	542	1.64899626510604	0.0997332382898207	0.00503815454286937	0.237822804354456
KIRC	KAT6A	cg10163397	0.0416519651808696	325	0.748066980371579	0.45496575812202	0.00173488620342837	0.645232912592417
KIRC	KAT6A	cg12468056	0.0272161639424371	542	0.630920966599605	0.528360629121093	0.000740719579741614	0.706776373578759
KIRC	KAT6A	cg15251374	-0.302238295597426	325	-5.68955933438346	2.86348226911583e-08	0.0913479873256369	7.11698848701588e-07
KIRC	KAT6A	cg20966972	0.0198578464761959	542	0.460261805821781	0.645514622025873	0.000394334066672165	0.792214020177017
KIRC	KAT6B	cg04396765	0.0623506827451114	325	1.12102417348477	0.263112917529725	0.00388760763878153	0.458496393117301
KIRC	KAT6B	cg06972998	-0.174505585380812	325	-3.18018697859001	0.00161497244655222	0.0304521993290998	0.00999245736952865
KIRC	KAT6B	cg09631472	-0.00269136702284343	325	-0.048295029476545	0.96151105656675	7.24345645164912e-06	0.979823418084945

KIRC	KAT6B	cg10359932	0.0329225086821362	325	0.591093724303958	0.554872311763202	0.00108389157792534	0.726487985278734
KIRC	KAT6B	cg10739686	-0.133471718319067	325	-2.41668737016714	0.0162180589459612	0.0178146995910444	0.0619556972611183
KIRC	KAT6B	cg11128436	-0.00780190472112043	325	-0.140004435949009	0.888744017846002	6.08697172774413e-05	0.940973271875331
KIRC	KAT6B	cg11348552	0.128000181877855	325	2.31593166415214	0.0211897638233348	0.016384046560764	0.0761184980750348
KIRC	KAT6B	cg15874302	-0.199301998784798	325	-3.64956362314967	0.000306372151815174	0.0397212867196158	0.00248814230904162
KIRC	KAT6B	cg15912797	0.092435995799529	325	1.66583670803181	0.0967184379659598	0.00854441331945055	0.23251998402682
KIRC	KAT6B	cg17147776	0.0456689766523147	325	0.820356423806737	0.412619814221964	0.00208565542846967	0.608253194390758
KIRC	KAT6B	cg18462764	-0.129043018007239	325	-2.33511810040129	0.0201512430043675	0.0166521004964166	0.0732578998215696
KIRC	KAT6B	cg18491775	0.0632612037452524	325	1.13746004351826	0.256191707037439	0.00400197989929834	0.450470755990112
KIRC	KAT6B	cg24671245	0.0232755199137514	325	0.417777453086889	0.676388282924994	0.000541749827255439	0.813031902304767
KIRC	KAT6B	cg26605858	0.0832785704617237	325	1.49958963379294	0.134700522409592	0.00693532029814828	0.29323890976163
KIRC	KDM1A	cg00062312	0.0364899804002377	325	0.655225655853378	0.512790293973613	0.00133151866960973	0.694633401811781
KIRC	KDM1A	cg00541565	-0.0414081820067353	325	-0.743681105787097	0.457611717757464	0.00171463753710292	0.647769091675749
KIRC	KDM1A	cg04886391	0.0162171327796103	325	0.291044317720677	0.771204804395519	0.00026299539559151	0.873214952888321
KIRC	KDM1A	cg06958034	0.108119743424781	542	2.52026105142671	0.0120155444367111	0.0116898789182405	0.0491915200457585
KIRC	KDM1A	cg07118078	-0.0969972413370999	325	-1.74879946772334	0.0812785565214425	0.00940846482700759	0.205278359393192
KIRC	KDM1A	cg07785945	-0.0713907262664096	325	-1.28433786379126	0.199947024897104	0.00509663579684543	0.382874977965966
KIRC	KDM1A	cg10499166	-0.0200397102300622	325	-0.359671971083825	0.719328223689822	0.000401589986104859	0.840813950191927
KIRC	KDM1A	cg12578844	-0.0527835307035967	325	-0.948488809396295	0.34359195943163	0.00278610111353754	0.542957705503467
KIRC	KDM1A	cg22683154	-0.274036549101831	325	-5.11314494403068	5.44809070125459e-07	0.0750960302436404	9.98654024536757e-06
KIRC	KDM1A	cg26662347	0.0459343875878412	325	0.825134078728631	0.409906333657639	0.00210996796307002	0.605814414206022
KIRC	KDM1B	cg11007366	0.143219045871991	325	2.59674368734617	0.00984291253952014	0.0205116951004835	0.0420840636493229
KIRC	KDM1B	cg15124342	-0.161764115188829	325	-2.94149435353143	0.0035030772515453	0.0261676289628249	0.0186566982752595
KIRC	KDM1B	cg20677365	-0.200853844203872	313	-3.60996350553526	0.000356988933094355	0.0403422667314735	0.00282720116676599
KIRC	KDM1B	cg22406543	0.177425512099335	325	3.23511456172927	0.00134222280468093	0.0314798123437113	0.00857281452112877
KIRC	KDM1B	cg23073439	-0.241069877772943	325	-4.45730005587498	1.1473387147117e-05	0.0581146859694618	0.000147628296348465
KIRC	KDM1B	cg23860886	0.131299944563197	325	2.37666883324242	0.0180539430344113	0.0172396754422985	0.0672937781811602
KIRC	KDM1B	cg24342628	0.106305540363784	542	2.47748461246547	0.013537770235254	0.011300867912036	0.0539886859938152
KIRC	KDM2A	cg05038268	-0.17871987378838	325	-3.25949129173209	0.00123542543049208	0.0319407932869343	0.00800838979582539
KIRC	KDM2A	cg05295919	-0.135554686505166	325	-2.45510281198116	0.0146128261233047	0.0183750730335138	0.0572056257767897
KIRC	KDM2A	cg06320126	-0.158031700850573	325	-2.87186523200798	0.0043511269397176	0.0249740184737249	0.0222121903765595
KIRC	KDM2A	cg07283932	-0.0810222086219885	325	-1.45868728501293	0.14562593110707	0.00656459828998502	0.309568440314662
KIRC	KDM2A	cg08836144	-0.170492294723374	322	-3.09033532217144	0.00217541709885317	0.0290676225600418	0.0127062390410829
KIRC	KDM2A	cg09993857	-0.0218827027187647	325	-0.392765110902244	0.694752855309924	0.000478852678277831	0.825012268992976
KIRC	KDM2A	cg11637544	0.132862337959646	325	2.40545497475576	0.0167159403465283	0.0176524008481033	0.0634063027606329
KIRC	KDM2A	cg16004548	-0.127932271113947	325	-2.31468249155226	0.0212589746104867	0.0163666659923726	0.076293798535231
KIRC	KDM2A	cg18132081	-0.108960146242205	325	-1.96693079242133	0.0500495411212416	0.0118723134691227	0.14438217087499
KIRC	KDM2A	cg21293464	-0.208517546596289	325	-3.82581016229188	0.000156546972043091	0.0434795672385355	0.00141199016152118
KIRC	KDM2A	cg21711868	-0.0499552122034687	325	-0.897534843058249	0.370104169913475	0.00249552322629359	0.568797133518133
KIRC	KDM2A	cg25597833	0.0395505334002649	325	0.710264679309718	0.478054091982695	0.00156424469224547	0.665659668719716
KIRC	KDM2B	cg03486832	-0.186106620528167	325	-3.39894499037299	0.000761480681637116	0.0346356742044151	0.00534355296295127
KIRC	KDM2B	cg05067991	-0.130115492353019	325	-2.35485804846527	0.0191296020473538	0.0169300413502686	0.0703027334501059
KIRC	KDM2B	cg07020001	-0.0231671089840314	325	-0.415830513943717	0.677811018593834	0.000536714938677986	0.813854458720308
KIRC	KDM2B	cg07529210	-0.0513797868569686	325	-0.923196682848378	0.35659596929253	0.00263988249746753	0.555453753982402
KIRC	KDM2B	cg07793808	-0.0164062826923457	325	-0.294439846661477	0.768611546282593	0.000269166111781163	0.871750497616388
KIRC	KDM2B	cg09151742	0.00798480380235407	325	0.143286749387876	0.886153344755341	6.37570917620881e-05	0.939611455973954
KIRC	KDM2B	cg12251659	-0.139663899288747	325	-2.53098534023335	0.0118500029141178	0.0195060047645373	0.048699024232459
KIRC	KDM2B	cg12888660	-0.0549643906634027	325	-0.987793960804008	0.323995228477198	0.00302108424099915	0.523396460695656
KIRC	KDM2B	cg15234492	-0.0689010133885177	325	-1.23932974698988	0.216125939508542	0.0047473496459647	0.403380469233643
KIRC	KDM2B	cg15316703	-0.066956631838104	324	-1.20232483074294	0.230123856782399	0.00448319054710341	0.420290064902686
KIRC	KDM2B	cg16837338	0.0652726209329823	323	1.17012747334579	0.242820401630473	0.00426051504346079	0.435339616296645
KIRC	KDM2B	cg17452615	-0.0490797997793411	325	-0.881768173348754	0.37855991849848	0.00240882674638021	0.57716198529487
KIRC	KDM2B	cg20055546	-0.0958003545607922	325	-1.72701920767809	0.0851232046341481	0.0091777079339735	0.212241136834311
KIRC	KDM2B	cg21249371	-0.0374148363676166	325	-0.671855654909373	0.50215733910519	0.00139986998041552	0.685853225856757
KIRC	KDM2B	cg21781916	-0.0725643315467454	325	-1.30556218486293	0.192633513133247	0.00526558221282599	0.373357068346639
KIRC	KDM2B	cg26218726	-0.0400585161793259	325	-0.719401811384905	0.472415166579288	0.00160468471848932	0.660479583575096
KIRC	KDM2B	cg26509318	-0.151817076620706	325	-2.7562083337374	0.00618076664725603	0.0230484247536574	0.0293634540797945

KIRC	KDM3A	cg01744130	-0.0589014575766094	325	-1.05878713183076	0.290490335499596	0.00346938170464912	0.488094050776549
KIRC	KDM3A	cg02152982	-0.0762088169017429	325	-1.37150683424684	0.171171948522718	0.00580778377356338	0.345280539928373
KIRC	KDM3A	cg02972551	-0.0433958062663868	542	-1.00657055261453	0.314594527418869	0.00188319600150977	0.513628468944715
KIRC	KDM3A	cg03037033	-0.144072127838801	325	-2.61253801866804	0.00940865649035397	0.0207567780199999	0.0406338212963191
KIRC	KDM3A	cg04793821	-0.178289261803568	325	-3.25137963757222	0.00127005564021069	0.0317870608744614	0.00818784357955996
KIRC	KDM3A	cg07052513	-0.105416775341651	325	-1.90223541343225	0.05803244587823	0.0111126965234321	0.160666788663334
KIRC	KDM3A	cg07211384	-0.267847952169918	325	-4.98863855314444	9.96595823371482e-07	0.0717425254816187	1.70506213950651e-05
KIRC	KDM3A	cg12888358	-0.119071975690585	325	-2.1519802064221	0.0321419976134924	0.0141781353948594	0.103921473020408
KIRC	KDM3A	cg18611949	-0.18971163161489	325	-3.46721872071122	0.000597299756033459	0.0359905031699838	0.00435894345411509
KIRC	KDM3A	cg19139691	-0.258989604111244	325	-4.81157262312006	2.30509930443126e-06	0.0670756150376989	3.57644386296221e-05
KIRC	KDM3A	cg20191795	-0.133427598861951	325	-2.41587404531053	0.0162536652108567	0.0178029241380656	0.0620521976450599
KIRC	KDM3A	cg20918903	-0.0664289907024693	542	-1.54278407388047	0.12347223554614	0.00441281080574876	0.276191819313257
KIRC	KDM3A	cg22404242	-0.118628637468877	325	-2.14385320000114	0.032793234272357	0.0140727536277221	0.105467431783598
KIRC	KDM3A	cg24749656	-0.173469023760141	325	-3.1607088178252	0.0017234157787273	0.0300915022042963	0.0105310978784315
KIRC	KDM3B	cg00435490	0.101399322991612	325	1.82897267822371	0.0683284577736133	0.0102818227031572	0.18117672872424
KIRC	KDM3B	cg03315484	0.00443692697750994	325	0.079618591780837	0.936590066052394	1.96863210037555e-05	0.966176652322889
KIRC	KDM3B	cg05191700	0.00602863611806697	325	0.108181973361833	0.913918722539273	3.63444534440616e-05	0.954571403479444
KIRC	KDM3B	cg05708550	0.142041762844652	325	2.57495665280405	0.0104713677096612	0.0201758623920163	0.0441762244905307
KIRC	KDM3B	cg05722427	0.0268000876424852	325	0.481083177766495	0.630784118385974	0.000718244697644887	0.78216104602822
KIRC	KDM3B	cg15001364	0.142608249145088	325	2.58543876295448	0.010164663377125	0.0203371127242275	0.0431867734986379
KIRC	KDM3B	cg18682923	-0.0181919161584164	325	-0.326496295108353	0.744261002006227	0.000330945813514853	0.856338837629158
KIRC	KDM3B	cg19076659	-0.111220066790053	325	-2.00823221435988	0.0454533977333862	0.0123699032567839	0.134581777547045
KIRC	KDM3B	cg24137987	0.0856750577750181	325	1.54305756462127	0.123798978670211	0.0073402155247527	0.276636345914585
KIRC	KDM4A	cg00154982	-0.00537819328881002	325	-0.096509623939251	0.923175869094804	2.89249630518011e-05	0.959627247295677
KIRC	KDM4A	cg00979347	0.109453752045893	325	1.97594908049893	0.0490138757165474	0.0119801238369239	0.1421694797723
KIRC	KDM4A	cg03587511	0.0594453410988897	325	1.06859825830005	0.286051169153964	0.00353374857836334	0.483320981998251
KIRC	KDM4A	cg08552254	-0.135300495133247	542	-3.16445198187774	0.00164176437548462	0.0183062239833018	0.0101257449807177
KIRC	KDM4A	cg10958452	-0.17811073281055	325	-3.24801716338029	0.00128467291079815	0.0317234331423113	0.00826769063721302
KIRC	KDM4A	cg10968649	0.0863200619383769	542	2.00781151936939	0.0451637260745598	0.00745115309304522	0.133953521150037
KIRC	KDM4A	cg12293275	-0.0185975793511112	325	-0.333779357202333	0.73876332199962	0.000345869957720877	0.852923223305634
KIRC	KDM4A	cg17737314	-0.136547425147183	325	-2.47342317313029	0.0138980940778105	0.0186451993143254	0.0550695003718421
KIRC	KDM4A	cg19743044	0.218311978625597	325	4.01429714065845	7.42233290094947e-05	0.047660120011423	0.000746011583587162
KIRC	KDM4A	cg20873046	-0.0497611138225006	325	-0.894038844503666	0.371968848672041	0.00247616844885586	0.570635863017014
KIRC	KDM4A	cg21451504	-0.0871935811916293	325	-1.57061473881727	0.11725425314295	0.00760272060102125	0.266505313612137
KIRC	KDM4A	cg22094309	-0.120367766812316	325	-2.17574136481192	0.0303014503502303	0.014488399287384	0.0994209628235266
KIRC	KDM4A	cg24324755	-0.103488616364788	325	-1.86706175725006	0.0628015005974517	0.0107098937170982	0.170200268490058
KIRC	KDM4A	cg24505556	-0.164922064025028	325	-3.00050778011136	0.00290572804937816	0.0271992872022755	0.0160420273843819
KIRC	KDM4A	cg25841161	0.0961911224522132	325	1.73412934193161	0.08385220228439	0.00925273203861667	0.209911128347015
KIRC	KDM4B	cg01098771	-0.146271065573041	325	-2.65327763147027	0.00836674022464297	0.0213952246238729	0.0371847685692342
KIRC	KDM4B	cg12072803	-0.146960199956961	542	-3.44292891358127	0.000620339273246252	0.0215973003713899	0.00450090220321945
KIRC	KDM4B	cg18115693	-0.161000115718113	325	-2.92723131190904	0.00366337614917763	0.0259210372612456	0.0193278185248643
KIRC	KDM4C	cg00121158	-0.0270542451703581	542	-0.62716463268163	0.530817880362888	0.000731932181737847	0.708589086345394
KIRC	KDM4C	cg00667760	0.093944610233046	325	1.69326434767996	0.0913722894348676	0.00882558979183893	0.22325499809341
KIRC	KDM4C	cg05545111	0.0119215820402988	325	0.213940344943388	0.830728984273343	0.000142124118343575	0.90920990169474
KIRC	KDM4C	cg14196303	-0.0701218322944465	325	-1.2613963029184	0.208079152212842	0.00491707136433048	0.393201262321361
KIRC	KDM4C	cg14473811	0.0502317558195307	325	0.902515978282526	0.367457454629362	0.00252322929271296	0.56638436380172
KIRC	KDM4C	cg14497348	-0.0667956708018134	325	-1.20128832631422	0.230522222391379	0.00446166163786423	0.420810159768982
KIRC	KDM4E	cg15555590	0.09228311493311	325	1.66305787857036	0.0972738259609894	0.00851617330175758	0.233426033792275
KIRC	KDM4E	cg19409026	0.0199908150672521	325	0.358794051252546	0.719984299211491	0.000399632687053074	0.841187333075899
KIRC	KDM5B	cg00528052	0.0120106092605463	542	0.278345053608027	0.780854637711474	0.00014425473480952	0.878951790519138
KIRC	KDM5B	cg00571448	0.128092905845354	325	2.31763731234483	0.0210955803581147	0.0164077925279066	0.0758702377067419
KIRC	KDM5B	cg02624558	0.0377506846684474	325	0.677895028364269	0.498325068358554	0.00142511419293655	0.682632512200834
KIRC	KDM5B	cg04504182	0.000981575494859568	325	0.0176137510058586	0.985957895390014	9.63490452108806e-07	0.99269547425738
KIRC	KDM5B	cg08915090	0.128483327379574	325	2.32481975616902	0.0207029848410819	0.0165079654145267	0.0747814460104528
KIRC	KDM5B	cg09889216	-0.0297721095130448	325	-0.534478332329737	0.59337947398613	0.000886378504856733	0.755406211940777
KIRC	KDM5B	cg11171004	0.101622697311448	325	1.83304375018073	0.0677191719600314	0.0103271726088542	0.179984464074434
KIRC	KDM5B	cg11221497	-0.0455173573470891	325	-0.817627207077529	0.414174667797507	0.0020718298198626	0.609771084531402

KIRC	KDM5B	cg13134514	0.0991015429797124	325	1.78711097488959	0.0748600518590377	0.00982111582095979	0.193645015472854
KIRC	KDM5B	cg13253785	0.0286892580622703	325	0.515022324439896	0.60689077878994	0.000823073528163542	0.765129967936909
KIRC	KDM5B	cg13993945	-0.0696969882980341	325	-1.25371651821917	0.210854530087579	0.0048576701778163	0.396669436200889
KIRC	KDM5B	cg14560895	-0.0777251521816264	542	-1.80661050903744	0.071382681997796	0.00604119928165698	0.187024934774907
KIRC	KDM5B	cg21105875	-0.12283511857361	312	-2.17572086946557	0.0303336725417025	0.0150884663549929	0.0995033904259852
KIRC	KDM5B	cg24354901	-0.00026692152338451	325	-0.0047897356629048	0.996181324478686	7.12470996459093e-08	0.998170120126417
KIRC	KDM5B	cg27531483	-0.0330490843323764	325	-0.593368755201285	0.553350946794621	0.00109224197520853	0.725303126206316
KIRC	KDM5C	cg01859586	-0.0429795441888893	325	-0.771953668614441	0.440708039870871	0.00184724121868469	0.633313775814437
KIRC	KDM5C	cg04927657	0.165761247971922	325	3.01620570088015	0.00276338282593896	0.0274767913292089	0.015419208403464
KIRC	KDM5C	cg04927982	-0.294297017738879	542	-7.13583915731472	3.13297166128171e-12	0.0866107346499981	1.64015072286507e-10
KIRC	KDM5C	cg09554224	0.345122439518305	325	6.59842325478868	1.70893792874614e-10	0.119109498259066	6.53292959355662e-09
KIRC	KDM5C	cg12234996	-0.2829788121789	325	-5.2942703962199	2.21653854998617e-07	0.0800770081421812	4.4384401533494e-06
KIRC	KDM5C	cg16417926	-0.0907036868347618	325	-1.63435640878556	0.103161276882565	0.00822715880541854	0.243496825062696
KIRC	KDM5C	cg16824069	-0.449574736727409	325	-9.03150962970454	1.59186799275553e-17	0.20211744390352	1.66672649567192e-15
KIRC	KDM5C	cg19903753	-0.48447127600724	325	-9.9376485952607	1.79436967874687e-20	0.234712417276083	2.48382908876217e-18
KIRC	KDM5C	cg24985300	0.0586090882614496	325	1.05351346708954	0.292895614491999	0.00343502522683839	0.4905772424515268
KIRC	KDM5C	cg27526317	-0.231446661248748	325	-4.26907757380994	2.58551711176497e-05	0.0535675570031927	0.000299668829250065
KIRC	KDM6A	cg00751785	-0.348514740547995	325	-6.67219824123413	1.10065692511704e-10	0.121462524379236	4.37305949093744e-09
KIRC	KDM6A	cg03267667	0.0755548167085326	325	1.35966912383457	0.174885967463208	0.00570853032785996	0.350339366349919
KIRC	KDM6A	cg03478540	0.0671885892040278	325	1.20838672730265	0.227785206716892	0.0045143065192276	0.417548065961354
KIRC	KDM6A	cg06877198	0.191827091367656	325	3.50735000415044	0.000516905197418645	0.036797632982575	0.00385691988250197
KIRC	KDM6A	cg07167981	-0.206992143769036	325	-3.79656493006923	0.000175307458375146	0.0428457475821013	0.00155488181699192
KIRC	KDM6A	cg11895950	-0.0839411164370197	325	-1.51160436184792	0.131615295371883	0.0070461110286933	0.288555711950848
KIRC	KDM6A	cg14384228	-0.0402892900206154	325	-0.723552945422023	0.469865529109349	0.00162322689036526	0.658571950552811
KIRC	KDM6A	cg15923127	0.108076919365937	325	1.95079771042506	0.0519482580771915	0.0116806204996311	0.148368558222228
KIRC	KDM6A	cg17824914	-0.154021579400098	325	-2.79719601501374	0.0054649153675834	0.0237226469209008	0.026624350332276
KIRC	KDM6A	cg20211377	0.0407445393986346	325	0.731742260999411	0.464858104731785	0.00166011749080689	0.654075338666
KIRC	KDM6A	cg22133177	0.224430561064305	325	4.13268693138232	4.57668691491598e-05	0.0503690767396385	0.000491291267916343
KIRC	KDM6A	cg27306636	-0.139006525359	325	-2.51883713538857	0.0122583651747091	0.0193228140923822	0.0500040511982233
KIRC	KDM6B	cg01046511	-0.0381789866314406	325	-0.685597278699098	0.493460388375322	0.00145763502020372	0.678753424921226
KIRC	KDM6B	cg02308232	-0.161502313269531	325	-2.9366061853675	0.00355727738665429	0.0260829971914096	0.0188936189675281
KIRC	KDM6B	cg24893073	-0.0350494326454739	325	-0.629326253394085	0.52958172086541	0.00122846272876961	0.707719907163492
KIRC	KDM8	cg00636124	-0.140209659795048	325	-2.54107353238322	0.0115201463863063	0.0196587486998432	0.0476295848201697
KIRC	KDM8	cg01755539	-0.0312025509184973	325	-0.560182521106885	0.575744460270889	0.000973599183821416	0.742519407308313
KIRC	KDM8	cg06329197	-0.113871861483954	325	-2.05673564948777	0.0405169934327463	0.0129668008378207	0.123529510389836
KIRC	KDM8	cg08572679	0.095236458528185	325	1.71676037668884	0.086984603154137	0.00906998303299071	0.215553792812822
KIRC	KDM8	cg09140090	0.108548891122065	325	1.95941819446065	0.0509263075494654	0.01178286176383	0.146232325148395
KIRC	KDM8	cg10214171	0.0232024243445971	325	0.4164647367376	0.677347429978369	0.000538352495466751	0.813564059760622
KIRC	KDM8	cg10221365	-0.0781980349867497	325	-1.40752362462106	0.160236766221307	0.00611493267578892	0.330053457726656
KIRC	KDM8	cg16752029	-0.145912050846442	325	-2.646623455583	0.00852949993661558	0.0212903265822148	0.0377378102752131
KIRC	KDM8	cg24206694	-0.0310696466367872	542	-0.720332774504051	0.47163355397988	0.000965322942134822	0.659771065179149
KIRC	KDM8	cg24705286	-0.00037381915593764	542	-0.0086626092679414	0.993091541388181	1.39740761345935e-07	0.99643459392455
KIRC	KIAA202	cg03495688	0.163517102912538	325	2.97424130907376	0.00315902005184872	0.0267378429449096	0.0171771025311749
KIRC	KIAA202	cg25608569	-0.146165560330919	325	-2.6513220284117	0.00841428181903479	0.0213643710268515	0.037351029373395
KIRC	KMT2B	cg09284703	-0.00031184095267612	325	-0.0055957861047082	0.99553869711849	9.72447797659541e-08	0.997731824377257
KIRC	KMT2B	cg13830730	-0.132453347139771	325	-2.39791781505396	0.0170575418518611	0.0175438891685286	0.0644068538962131
KIRC	KMT2B	cg15496871	-0.188119183864029	325	-3.43704230619921	0.000665297899244524	0.0353888273376683	0.00477764098346058
KIRC	KMT2B	cg24471867	0.00668426896683185	542	0.154899766160001	0.876958540369577	4.46794516209514e-05	0.934878822561883
KIRC	L3MBTL1	cg01071811	0.0813071018098083	542	1.89040961056628	0.0592413586976357	0.00661084480471053	0.163154397228869
KIRC	L3MBTL1	cg01877937	-0.0871289397281723	325	-1.56944144422357	0.117527230740303	0.00759145213815548	0.266961965318008
KIRC	L3MBTL1	cg02177317	-0.0775677713903894	325	-1.39611025991883	0.163643047012424	0.00601675915847171	0.334800315571336
KIRC	L3MBTL1	cg02472486	0.140219438429731	325	2.54125430854134	0.0115143109107752	0.0196614909135491	0.0476101300077855
KIRC	L3MBTL1	cg02611863	-0.108839229463154	542	-2.53723258322965	0.0114550680987882	0.011845977870133	0.0474210072199409
KIRC	L3MBTL1	cg03486259	0.0676053948340353	325	1.21591728850354	0.224907074889016	0.00457048941066581	0.414159117737542
KIRC	L3MBTL1	cg04984575	-0.0792832104973518	325	-1.42717891906498	0.154497315338547	0.0062858274667674	0.322057455810262
KIRC	L3MBTL1	cg06362543	0.136448659243042	325	2.47160017193888	0.0139677986241698	0.0186182366092238	0.055258895751534
KIRC	L3MBTL1	cg06446163	-0.189775510433198	325	-3.46842979568896	0.000594711398152497	0.0360147443601807	0.00434331379157673

KIRC	L3MBTL1	cg06908806	0.00237690754989904	325	0.0426522015518579	0.966005218181652	5.64968950076707e-06	0.982158783598508
KIRC	L3MBTL1	cg07678583	0.0469005497700424	325	0.842527424068907	0.400118152915893	0.00219966156873223	0.596689774809527
KIRC	L3MBTL1	cg08369943	0.0610148025735927	325	1.09691519298402	0.273498107664035	0.00372280613309449	0.469871291039215
KIRC	L3MBTL1	cg08633313	-0.0536309361849804	325	-0.963759760889946	0.335889596270092	0.00287627731607744	0.535476766511651
KIRC	L3MBTL1	cg09541000	-0.00707554217273242	325	-0.126969243228952	0.899043991318248	5.0063297038115e-05	0.946698993754728
KIRC	L3MBTL1	cg10360552	-0.017462678802774	325	-0.313404357058634	0.754176386608602	0.000304945150968854	0.862622369215596
KIRC	L3MBTL1	cg12699433	-0.0228636025602404	325	-0.410379955600424	0.681800171833846	0.00052274432203263	0.816527026196038
KIRC	L3MBTL1	cg14306330	0.18995821165184	325	3.47189387025687	0.00058736563158424	0.0360841221739652	0.00429773532199627
KIRC	L3MBTL1	cg15123011	-0.055664141269773	325	-1.00040838691708	0.317864097432672	0.00309849662330124	0.517158205493616
KIRC	L3MBTL1	cg15302378	0.0258190352200483	325	0.463460525069114	0.643347412487561	0.000666622579694093	0.790681674098033
KIRC	L3MBTL1	cg15330298	-0.0355710057593566	325	-0.63870307986184	0.523470138622091	0.00126529645073218	0.702848721105497
KIRC	L3MBTL1	cg15388309	-0.152547508878943	325	-2.76978435141279	0.00593477512565433	0.0232707424651712	0.0284326823577505
KIRC	L3MBTL1	cg16862791	-0.148730989999101	325	-2.69890019167744	0.00732398684242043	0.0221209073861126	0.0335549017914756
KIRC	L3MBTL1	cg17091610	-0.137367233152335	325	-2.4885579310828	0.013331212150229	0.018869756743928	0.0533399330357924
KIRC	L3MBTL1	cg17774347	0.0245666982153676	325	0.440966725373942	0.65953300685753	0.000603522661204943	0.80183332399004
KIRC	L3MBTL1	cg18911945	0.024978196561028	325	0.448357601685569	0.654196678074195	0.000623910303441353	0.798239795064055
KIRC	L3MBTL1	cg20091959	0.03434018457459	542	0.796243664110037	0.426242277341544	0.00117924827661691	0.620840511580379
KIRC	L3MBTL1	cg20252111	-0.0729439009828992	325	-1.31242775365509	0.190310566560581	0.005320812690603	0.370505273280459
KIRC	L3MBTL1	cg20529070	-0.120748555621943	325	-2.18272609818573	0.0297780159117253	0.0145802136847854	0.0981423051108607
KIRC	L3MBTL1	cg22330467	0.0535403730264983	324	0.960632489641135	0.337460012628947	0.00286657154381658	0.536983113990077
KIRC	L3MBTL1	cg22457903	-0.145248719343	325	-2.63433171408348	0.00883764936665434	0.0210971904707815	0.0387879320073065
KIRC	L3MBTL1	cg22601123	0.0216589259754766	325	0.388746724240194	0.697720439257714	0.000469109074411176	0.82672247127583
KIRC	L3MBTL1	cg23626798	0.0955779473979331	541	2.22296631497246	0.0266343866558718	0.00913514402880207	0.0903381354859997
KIRC	L3MBTL1	cg24343973	0.0413050407105533	325	0.741825542884857	0.458733769756773	0.00170610638810046	0.648696396932696
KIRC	L3MBTL2	cg02358112	-0.0220986913055985	325	-0.39664370068214	0.691892961341355	0.000488352157420135	0.823102182719701
KIRC	L3MBTL2	cg06235991	-0.0152668320496189	542	-0.353823511686389	0.723610026393509	0.000233076160831271	0.843384148761823
KIRC	L3MBTL2	cg08053598	-0.138112525649416	325	-2.50232155497478	0.0128336131642397	0.0190750697412606	0.0518422527001175
KIRC	L3MBTL2	cg09993119	-0.0765546755012588	325	-1.37776775596441	0.169231763913779	0.00586061834110303	0.342656772127444
KIRC	L3MBTL2	cg12821546	-0.00661165083581546	325	-0.11864442574578	0.905631047308604	4.37139267747393e-05	0.949957684244722
KIRC	L3MBTL2	cg13843727	-0.0610344458067987	325	-1.09726965639227	0.273343407633109	0.00372520357494305	0.469715205173513
KIRC	L3MBTL2	cg14679202	0.067162411439755	542	1.55989420653703	0.119373997573439	0.00451078951040294	0.26977838616164
KIRC	L3MBTL2	cg15283028	-0.145182483116994	325	-2.63310453554546	0.00886895636152593	0.0210779534040163	0.0389011948121644
KIRC	L3MBTL2	cg19467356	-0.0856460564149198	325	-1.54253137287727	0.123926678857531	0.00733524697942763	0.276803956884058
KIRC	L3MBTL2	cg24240981	-0.0200786993371861	325	-0.360372028079813	0.718805215103371	0.000403154167073116	0.840409915633868
KIRC	L3MBTL2	cg26947834	-0.0678887398076158	325	-1.22103693806804	0.222965340492813	0.00460888099266615	0.411661699259473
KIRC	L3MBTL2	cg27177954	0.0733216341185982	325	1.31926067702938	0.188019308211831	0.00537606202982158	0.367488419251072
KIRC	L3MBTL3	cg03454037	-0.0196663125955823	325	-0.352967626665568	0.724343657164349	0.000386763851107161	0.84385992670186
KIRC	L3MBTL3	cg07826275	-0.0452056945918434	325	-0.812017312774575	0.417381577991665	0.00204355482353101	0.612833974638725
KIRC	L3MBTL3	cg08106148	-0.0986617292082522	325	-1.77910161816683	0.0761663521446595	0.00973413681036248	0.196033229647514
KIRC	L3MBTL3	cg08358392	-0.0973442184706238	325	-1.75511498652028	0.0801906086412238	0.00947589686965654	0.203415553953155
KIRC	L3MBTL3	cg09710740	-0.116509006514036	325	-2.10501529710462	0.0360643935566155	0.0135743485988878	0.113418090599703
KIRC	L3MBTL3	cg10237990	-0.0936131622202964	325	-1.68723739483767	0.0925261181637969	0.00876342414088353	0.225309945736201
KIRC	L3MBTL3	cg16487825	0.0183183834459022	325	0.328766804329018	0.742545668945257	0.000335563172071103	0.855254475288373
KIRC	L3MBTL3	cg16800851	-0.125144954038954	325	-2.26344001807622	0.024273888442682	0.0156612595214119	0.0843207357673589
KIRC	L3MBTL3	cg18411550	-0.0577962880409057	325	-1.03885386018853	0.299652149751163	0.00334041091130734	0.497921504966772
KIRC	L3MBTL3	cg18798995	-0.0745412354649166	325	-1.34132630890117	0.180759807508456	0.00555639578463615	0.357903498735373
KIRC	L3MBTL3	cg22934935	0.141809251897457	325	2.57065508081669	0.0105996062523618	0.0201098639237163	0.0446035467515677
KIRC	L3MBTL3	cg24516147	-0.0579406850473694	325	-1.04145804205712	0.29844432835532	0.00335712298375845	0.496635040078969
KIRC	LBR	cg01017344	0.0141259210059975	325	0.253505883648614	0.800039096905005	0.00019954164426782	0.890862184140224
KIRC	LBR	cg05530459	0.111379450100076	325	2.01114622411941	0.0451430725608715	0.0124053819045953	0.13390757976056
KIRC	LBR	cg12994003	-0.0229281940246534	542	-0.531460725208027	0.595319313836048	0.00052570208123215	0.756716871687505
KIRC	LBR	cg14607642	0.0447317062902037	542	1.03761809843865	0.299914879026564	0.00200092554763305	0.498198188439711
KIRC	LBR	cg18107727	0.0583051725197169	325	1.04803181991287	0.295409951730456	0.00339949314255396	0.49335827450933
KIRC	LBR	cg18289048	-0.0109304626912349	325	-0.196151858473508	0.844615039951736	0.000119475014644479	0.916969605554459
KIRC	LBR	cg18764107	0.1303934083997	325	2.35997473607185	0.018872327378084	0.017002440954091	0.0696434626464905
KIRC	LBR	cg19322477	-0.0693958921002017	325	-1.24827410278274	0.212837572990458	0.00481578984038284	0.399148694692148
KIRC	LBR	cg20483690	-0.118063325606506	325	-2.13349213271543	0.033639925720635	0.0139389488532678	0.107491348948948

KIRC	LBR	cg26930584	-0.0253970387816049	325	-0.455880614734047	0.648783120991563	0.000645009578874343	0.794525441005253
KIRC	MBD1	cg01719254	-0.0365742795197569	325	-0.656741382785183	0.511816303690034	0.00133767792238931	0.693810224398438
KIRC	MBD1	cg03841029	-0.0967255608559892	542	-2.25200606790296	0.0247250820862293	0.00935583412290567	0.0854796478453524
KIRC	MBD1	cg05549078	-0.0737798918892223	325	-1.32755100031128	0.185266882484312	0.00544347244718533	0.363909906728559
KIRC	MBD1	cg12090413	-0.025314990108396	325	-0.454406882905267	0.649842162056246	0.000640848724188189	0.79525902806405
KIRC	MBD1	cg13478031	-0.00601994598676393	325	-0.108026026041394	0.914042327321212	3.62397496835552e-05	0.954617411651983
KIRC	MBD1	cg14389183	-0.131916200789728	325	-2.38802081167218	0.0175154342883423	0.0174018840307958	0.0657528202976064
KIRC	MBD1	cg19328682	-0.159926590556502	325	-2.90719888330147	0.00389984172949209	0.025576514367027	0.0203558969071462
KIRC	MBD1	cg21282183	-0.0442072169138892	325	-0.794046419339298	0.427753195141174	0.00195427802727165	0.622046097049903
KIRC	MBD2	cg15090185	-0.0733418420533221	325	-1.31962624023392	0.18789730411949	0.00537902579577445	0.367333020296827
KIRC	MBD2	cg16852837	-0.0915262961581453	325	-1.64930335278976	0.100060681656528	0.00837706288842853	0.238352644644129
KIRC	MBD2	cg17987217	-0.154316073437158	325	-2.80267468203377	0.00537515282301479	0.0238134505210622	0.0262808521597393
KIRC	MBD2	cg22224310	-0.115176489282011	325	-2.08061460689496	0.0382594196682575	0.0132656236833291	0.118457107922965
KIRC	MBD2	cg22836370	0.111377312071693	542	2.59713433301282	0.00965826056756989	0.0124049056443154	0.0414677809257427
KIRC	MBD2	cg23388714	-0.0948591794761072	325	-1.70989755740611	0.0882481448552564	0.00899826393088032	0.217886764658811
KIRC	MBD2	cg24881765	-0.0245223348093563	325	-0.440169932601155	0.660109350780524	0.000601344904502166	0.802295793188559
KIRC	MBD2	cg25192916	0.295412233418311	325	5.54861850126853	6.01787235293521e-08	0.0872683876531948	1.38017205726486e-06
KIRC	MBD3	cg08660999	-0.158664429277688	325	-2.88365995925296	0.00419545088126781	0.0251744011180146	0.0215660701636942
KIRC	MBD3	cg09174855	0.0606594038237751	325	1.09050222019552	0.276307337469067	0.00367956327225582	0.472881169488839
KIRC	MBD3	cg12286540	-0.00352471121592425	325	-0.0632490743648745	0.949607411338002	1.24235891556622e-05	0.973290983750261
KIRC	MBD5	cg03890220	0.198440353135549	325	3.63313714836448	0.000325731639688477	0.0393785737525612	0.00261803566256074
KIRC	MBD5	cg04152151	0.233569171804342	325	4.31047589159883	2.16765436664317e-05	0.0545545580173662	0.000256902047225226
KIRC	MBD5	cg05218490	0.0482317775728591	542	1.11898985711492	0.2636447470071	0.00232630436783775	0.459082716641381
KIRC	MBD5	cg06394585	0.217790766005528	325	4.00423530691292	7.72964712022219e-05	0.0474328177572747	0.000771121015735528
KIRC	MBD5	cg06758980	0.191653527072407	325	3.50405550421873	0.00052310247762876	0.0367310744392938	0.00389530335451821
KIRC	MBD5	cg20595490	0.212482116602367	325	3.90195661669462	0.00011620582002185	0.0451486498758218	0.00109617019070932
KIRC	MBD5	cg21412502	-0.0974180976454647	325	-1.75645978475709	0.0799604877831497	0.00949028574886129	0.202977425654322
KIRC	MBD5	cg23120335	-0.205001825299323	325	-3.75844972832573	0.000202958196940942	0.0420257483760543	0.00175764554968536
KIRC	MBD5	cg25686162	0.128325269401209	325	2.32191188847384	0.0208611525168904	0.016467374766893	0.0752165600157106
KIRC	MBD5	cg26664634	-0.206518919350332	325	-3.78749809800058	0.000181542393316707	0.0426500640496288	0.00159888021574549
KIRC	MBTD1	cg01388767	0.0247775920481347	324	0.444063388283025	0.657295957186972	0.000613929067703786	0.800382192013289
KIRC	MBTD1	cg14577476	0.0419406498629336	325	0.753260845882485	0.451843570739487	0.00175901811092519	0.642409465835254
KIRC	MBTD1	cg17045523	-0.132685326107643	324	-2.39845971373967	0.0170345595864872	0.0176053957642915	0.0643388128596974
KIRC	MBTD1	cg18711617	0.0777805589328458	325	1.39996341393864	0.162487007932659	0.0060498153479059	0.333137439262663
KIRC	MBTD1	cg22141797	-0.082487710438282	325	-1.48525065605861	0.138455764314401	0.00680422237334986	0.298921203593219
KIRC	MBTD1	cg25259117	0.0178112355218625	325	0.319661903362166	0.749431941180769	0.000317240110815258	0.859593587326487
KIRC	MBTD1	cg25716740	-0.0843967620481052	542	-1.9627507940804	0.050190964049224	0.00712281344420449	0.144677481000642
KIRC	MBTD1	cg25855326	-0.0825852774030762	325	-1.48701947636197	0.137988192023044	0.00682032804374305	0.29825938179658
KIRC	MBTD1	cg27207041	-0.0186665120762584	542	-0.432639326786551	0.665450508015904	0.000348438673093101	0.805834453820436
KIRC	MBTD1	cg27214721	-0.0419477490248099	325	-0.753388572707302	0.451766943983537	0.00175961364824844	0.642370960871767
KIRC	MBTD1	cg27353579	-0.00970645346941593	325	-0.174184285884535	0.861830094084932	9.42152389539365e-05	0.926627558106576
KIRC	MLLT10	cg00879184	-0.185804469714898	325	-3.39322919186297	0.000776983313968643	0.0345233009660346	0.00543211078359974
KIRC	MLLT10	cg03524461	-0.0893163771161478	325	-1.60915639230595	0.108562077219023	0.00797741522115393	0.252616601913637
KIRC	MLLT10	cg04188362	-0.0800711672141662	325	-1.44145401922774	0.150428247863329	0.00641139181903896	0.316221663854941
KIRC	MLLT10	cg05913198	-0.0260502483689801	325	-0.46761368617331	0.64037718340895	0.000678615440085551	0.788724905707685
KIRC	MLLT10	cg06398735	-0.0960987221164151	325	-1.73244801829679	0.0841513523004755	0.00923496439240797	0.210510975010071
KIRC	MLLT10	cg11443787	0.018895822927282	542	0.437956019702435	0.661594270763666	0.000357052124099195	0.803055694534468
KIRC	MLLT10	cg15910013	0.126242677325524	325	2.28361416312894	0.0230451323844184	0.0159372135783164	0.0810402779456398
KIRC	MLLT10	cg19119538	-0.108031483638623	325	-1.9499679051009	0.0520475338688572	0.0116708014571621	0.148570280328547
KIRC	MLLT10	cg20569108	-0.104896827425736	325	-1.89274835599678	0.0592879827420832	0.0110033444039847	0.163230794501614
KIRC	MLLT10	cg23344688	-0.0810624430833618	325	-1.45941643826504	0.145425372115606	0.00657111967864328	0.309302379471191
KIRC	MLLT10	cg26877631	-0.0605078663371282	325	-1.08776793725788	0.277511091648943	0.00366120188867177	0.474299665262163
KIRC	MLLT10	cg27470303	-0.0262119839055608	325	-0.470518901791858	0.638302882827407	0.000687068100265377	0.787302830283069
KIRC	MLLT10	cg27572529	-0.0875245996841242	325	-1.57662330453733	0.115864135684897	0.0076605555498662	0.264280026138242
KIRC	MLLT6	cg05652455	-0.024073758390758	325	-0.432113382584801	0.665948227941776	0.000579545843056593	0.806155490546846
KIRC	MORF4L	cg03589001	-0.173206979260333	542	-4.07536780817253	5.28852036598396e-05	0.0300006576644895	0.000556643422204514
KIRC	MORF4L	cg07757959	0.0951606904843746	325	1.71538207340171	0.0872371839402101	0.00905555701346294	0.215978894205367

KIRC	MORF4L	cg08692282	0.126679383863125	325	2.29164239590953	0.0225714598896751	0.0160476662959411	0.0797603520625656
KIRC	MORF4L	cg13747872	-0.040996695637944	325	-0.736278404040516	0.462097326549179	0.00168072905323022	0.651593246720443
KIRC	MORF4L	cg15822222	-0.131663629341535	325	-2.38336788482021	0.0177344222102965	0.017335311291385	0.0663920996938595
KIRC	MORF4L	cg20775702	-0.118496781851395	325	-2.14143635422219	0.0329890785548388	0.014041487309137	0.105955673881967
KIRC	MORF4L	cg20905746	0.0700829380116644	325	1.26069319335572	0.208332135083777	0.0049116182003468	0.393507560975342
KIRC	MORF4L	cg23623458	-0.181856207772708	317	-3.27714618452667	0.00116606767794991	0.0330716803054702	0.00762999991071033
KIRC	MORF4L	cg24795825	-0.23377325283073	324	-4.30775511292385	2.19488362492138e-05	0.0546499337390605	0.000259772975379786
KIRC	MPHOSF	cg00331616	-0.234013563098885	325	-4.31915170776811	2.08867379757065e-05	0.0547623477142356	0.000248716193797966
KIRC	MPHOSF	cg03134886	0.0392523390682441	325	0.704901288337493	0.481381217813469	0.0015407461223284	0.668628954052653
KIRC	MPHOSF	cg03428000	0.0516525274955629	542	1.198557406297	0.231228752669436	0.00266798359667988	0.421706437839524
KIRC	MPHOSF	cg04203901	0.0369603670397167	325	0.663683548010013	0.507367765292359	0.00136606873171058	0.690146490412019
KIRC	MPHOSF	cg06019692	-0.0123867564476082	325	-0.222289451448194	0.824229486938212	0.000153431735292363	0.905521044851037
KIRC	MPHOSF	cg09559995	-0.0337901322046923	325	-0.606688693497572	0.54448503180203	0.00114177303441058	0.718633038648283
KIRC	MPHOSF	cg11051893	0.101497871376563	325	1.83076872112672	0.0680591020770966	0.0103018178939734	0.180647234193785
KIRC	MPHOSF	cg19693579	0.0118135175293981	325	0.212000786888841	0.832240548736844	0.000139559196417395	0.91000648312532
KIRC	MPHOSF	cg20759595	-0.0394971738301288	324	-0.708202666416881	0.479333339540557	0.00156002674056741	0.666689154977796
KIRC	MPHOSF	cg20952532	-0.0436930572856169	325	-0.784793357290127	0.433151731979296	0.0019090832549642	0.62679698358626
KIRC	MPHOSF	cg21958444	-0.168706818278475	325	-3.07135963780535	0.00231249667184622	0.0284619905336465	0.013371435927828
KIRC	MPHOSF	cg22656705	-0.203242449804635	325	-3.72479770050047	0.000230745328509145	0.0413074934025896	0.00195646889221149
KIRC	MSH6	cg00620552	0.0860115172556474	325	1.54916247098518	0.122324925855919	0.00739798110061852	0.274280215023801
KIRC	MSH6	cg02905881	-0.0105497716584534	541	-0.244258465238601	0.807124118938748	0.000111297682045507	0.895543137413185
KIRC	MSH6	cg05039065	0.0827175084715377	325	1.4894168011543	0.137356432764224	0.00684218620773891	0.297290329979692
KIRC	MSH6	cg07652213	-0.0731101436971285	542	-1.69874646354478	0.0899461872116195	0.00534509311141478	0.220692414304571
KIRC	MSH6	cg09898070	0.163313534387087	325	2.97043703725091	0.00319733719126562	0.0266713105140023	0.0173502824677258
KIRC	MSH6	cg11869233	-0.169728710758394	325	-3.09051362955349	0.00217247179009139	0.0288078352557067	0.0126960666534565
KIRC	MSH6	cg16595246	0.0382112852051987	325	0.686178126490996	0.493094568263519	0.00146010231703304	0.678466171023403
KIRC	MSH6	cg18222961	0.0371977424470061	325	0.667951896958086	0.504642769615553	0.0013836720431538	0.687859051030651
KIRC	MSH6	cg19076255	-0.0642886573378469	325	-1.15601009774305	0.24853401936767	0.0041330314623031	0.441869812201493
KIRC	MSH6	cg19736286	0.0353752528285605	325	0.63518377844625	0.525759662999067	0.00125140851268458	0.704569210234956
KIRC	MSH6	cg21405109	-0.0685979217983484	325	-1.23385217418009	0.218157811021158	0.00470567487505232	0.405770920515958
KIRC	MTA1	cg01318265	-0.199642724261419	325	-3.65606166774449	0.000299016924407911	0.0398572173505211	0.00243680312354798
KIRC	MTA1	cg01655777	-0.280218416002606	325	-5.23820160285865	2.93571658775045e-07	0.0785223606670097	5.70810138034137e-06
KIRC	MTA1	cg05922925	-0.177280689167946	325	-3.23238819059144	0.00135468518042042	0.0314284427518618	0.00864035245762288
KIRC	MTA1	cg13052453	-0.180302282531643	325	-3.28931658033604	0.00111548862863572	0.0325089130861206	0.00735284887104621
KIRC	MTA1	cg13981078	0.00906340724956252	325	0.162643708767957	0.870900990218124	8.21453509714225e-05	0.931463949181934
KIRC	MTA1	cg16531924	-0.230779587650639	325	-4.25608003546791	2.73187499773625e-05	0.053259218076199	0.000314105059967327
KIRC	MTA1	cg20222911	-0.116901608512336	542	-2.72769385105731	0.00658662452362666	0.0136659860727716	0.030863495834222
KIRC	MTA1	cg21517792	-0.12050047345086	325	-2.17817546548317	0.0301181447306436	0.0145203641018813	0.0989990683726576
KIRC	MTA1	cg23123838	-0.304692931599439	325	-5.74047511052314	2.18199049106796e-08	0.0928377825666605	5.57640500204143e-07
KIRC	MTA1	cg23883989	-0.168799344342669	325	-3.07309349290159	0.00229948760649303	0.0284932186505149	0.0133120836284693
KIRC	MTA1	cg23966123	-0.220610443339142	325	-4.05871140087459	6.19926529832239e-05	0.0486689677102928	0.000640714288053264
KIRC	MTA2	cg00501779	0.0168899862655984	325	0.303123206990329	0.76199171185275	0.000285271636052101	0.867755741401266
KIRC	MTA2	cg07654871	-0.0146537963176494	325	-0.2629812106891	0.79273324935807	0.000214733746519154	0.886392767421187
KIRC	MTA2	cg09086761	0.0842232743040686	542	1.95868726806472	0.0506665858500854	0.00709355993449838	0.1457302922787
KIRC	MTA2	cg13708959	-0.0684577477916485	325	-1.23131901872745	0.219102119285846	0.00468646323270496	0.407011563773894
KIRC	MTA2	cg19570317	-0.0208591898015022	542	-0.483480632155913	0.628951583124996	0.000435105799175094	0.780921865096575
KIRC	MTA2	cg21002970	0.0130359365983778	325	0.233941397322059	0.815179140366177	0.000169935642996925	0.900553061611871
KIRC	MTF2	cg05396182	0.00544779014239884	325	0.0977585497182278	0.922184844676823	2.96784174356179e-05	0.959139116104927
KIRC	MTF2	cg05962718	-0.10949052308801	325	-1.97662095476301	0.0489374459164668	0.0119881746460862	0.142006030348973
KIRC	MTF2	cg09936581	0.0155477589278906	325	0.279028286401285	0.78040223855357	0.000241732807679802	0.878692348550287
KIRC	MTF2	cg11404133	0.0673644354818849	325	1.21156372075537	0.226567780911499	0.00453796716779304	0.416118860517654
KIRC	MTF2	cg14474880	-0.00740151861314344	542	-0.17152201683138	0.863877933985281	5.47824777807088e-05	0.927713863646981
KIRC	MTF2	cg15463775	-0.052042359379045	325	-0.935133971412645	0.350420016142595	0.00270840716973767	0.549420052316687
KIRC	MTF2	cg16813892	0.06196544640215	325	1.1140710971576	0.266079566256372	0.00383971654781772	0.461906004448446
KIRC	MTF2	cg19708337	0.110153896441453	325	1.98874341406907	0.0475756160356224	0.0121338809012343	0.139191330345062
KIRC	MTF2	cg22801127	-0.0012446236990239	325	-0.0223339910830021	0.98219536809254	1.54908815217193e-06	0.990740848584612
KIRC	MTF2	cg23992808	-0.0903851989692937	325	-1.62857034047387	0.104381953639684	0.0081694841927188	0.245630227818312

KIRC	MTF2	cg26054395	-0.148130099877892	542	-3.47094930432077	0.000560355576945586	0.0219425264898342	0.00412727719682872
KIRC	NAP1L2	cg02379437	-0.121518215985945	325	-2.19684681403822	0.0287436282148888	0.0147666768164067	0.0956203469467206
KIRC	NAP1L2	cg04297329	-0.119638533957714	542	-2.7924717899411	0.00541717529240083	0.0143133788075512	0.0264434182716023
KIRC	NAP1L2	cg07693661	-0.143959190812736	325	-2.61044671258525	0.00946515198575028	0.0207242486194577	0.0408098450135486
KIRC	NAP1L2	cg20001978	-0.177626139170047	325	-3.2288174969463	0.00137199309824655	0.031551045316457	0.0087346895064848
KIRC	NAP1L2	cg23483095	-0.170299371009693	325	-3.1012143458881	0.00209768654486577	0.0290018757662969	0.0123542605095986
KIRC	NCOA1	cg11380327	-0.235158568669986	325	-4.34151877432807	1.8975491189124e-05	0.0552995524189165	0.000228794073398436
KIRC	NCOA1	cg13911252	0.096605370844304	325	1.741667594444383	0.0825215726195772	0.00933259767596551	0.207537274699381
KIRC	NCOA1	cg15477048	0.12683056699053	325	2.29442199944698	0.0224094537792514	0.0160859927231393	0.0792887182109011
KIRC	NCOA1	cg23006163	-0.114170976686571	325	-2.06220947919578	0.0399896990267658	0.0130350119175656	0.122449761713305
KIRC	NCOA3	cg04175879	-0.00875036352939393	325	-0.157025671448412	0.875323027937196	7.65688618965474e-05	0.933983645626629
KIRC	NCOA3	cg09568061	0.0970408836029641	325	1.74959378881035	0.0811410639768556	0.00941693309044402	0.205010975349643
KIRC	NCOA3	cg12128876	-0.0168943737894239	542	-0.39155360658112	0.695543396478497	0.000285419865736772	0.825458695349196
KIRC	NCOA3	cg14341558	0.0504281840442835	325	0.906054192261998	0.365584647201277	0.00254300174600412	0.56446781347241
KIRC	NCOA3	cg14774045	0.0357546491421783	325	0.642004739320343	0.521326885683199	0.00127839493528027	0.701383597268194
KIRC	NCOA3	cg18295930	-0.0197375416423237	325	-0.354246530781045	0.723385999803082	0.000389570550082462	0.84326516211296
KIRC	NCOA3	cg21735648	0.0544814250698379	325	0.979088377543847	0.328271338459877	0.00296822567764036	0.527881562407736
KIRC	NCOA3	cg22511723	0.0478620225369571	325	0.859838700691443	0.390517665539462	0.00229077320132819	0.587854726144953
KIRC	NCOA3	cg22876277	0.157931412903774	325	2.8699960921154	0.00437627470728786	0.0249423311817824	0.0223098240221987
KIRC	NCOA3	cg24856420	0.108585965869141	325	1.96009541514444	0.0508467453001622	0.0117909119837343	0.146075250337192
KIRC	NCOA3	cg25373408	0.0246185166452813	325	0.441897418046291	0.658860066178125	0.000606071361813993	0.801528765825779
KIRC	NCOR1	cg00253204	0.141572658355347	325	2.56627842443147	0.010731521639734	0.0200428175937997	0.0450417045827606
KIRC	NCOR1	cg08125503	-0.0534347222544842	325	-0.960223638128567	0.337663136664987	0.00285526954241387	0.537093441844198
KIRC	NCOR1	cg08206308	-0.0113215436472621	325	-0.203170858724816	0.83912981516233	0.000128177350556861	0.913883763076869
KIRC	NCOR1	cg21211144	-0.0217918547845162	325	-0.391133736221052	0.695957064203108	0.000474884934949443	0.825687902262568
KIRC	NCOR1	cg22291359	-0.0121809637053971	325	-0.218595796707387	0.827103407155623	0.000148375876792201	0.907167716880712
KIRC	NCOR1	cg22625220	-0.0514067782954068	325	-0.923682952174511	0.356343051239529	0.00264265685471311	0.555137602694007
KIRC	NCOR2	cg08976554	0.0332787236285703	325	0.597496292674137	0.550596022067642	0.00110747344634676	0.72314064932351
KIRC	NCOR2	cg10641483	-0.122260845607361	325	-2.21047541767509	0.0277749145212043	0.014947714368627	0.0932149137300504
KIRC	NCOR2	cg13416396	0.0220589791937901	325	0.395930570927303	0.692418460831086	0.000486598563072065	0.823399956310758
KIRC	NCOR2	cg13419087	-0.042452367948246	325	-0.762467878290877	0.446338971859034	0.00180220354441327	0.638153238345855
KIRC	NCOR2	cg13857025	-0.124204991296932	325	-2.24617193765786	0.0253705753460618	0.0154268798630708	0.087149668321258
KIRC	NCOR2	cg16181859	-0.261107839255655	325	-4.85379248097596	1.89148678438894e-06	0.0681773037207571	3.00421239086879e-05
KIRC	NCOR2	cg19895345	-0.00833511906601168	325	-0.149573560044348	0.881194708792109	6.94742098445914e-05	0.937033434831551
KIRC	NCOR2	cg23611643	-0.0464974401215537	325	-0.83527015289935	0.40418493597501	0.00216201193785747	0.600644958055358
KIRC	NCOR2	cg24626542	-0.0851513899993867	325	-1.53355690492744	0.126120608502284	0.00725075921882765	0.280174380131548
KIRC	NCOR2	cg25113767	-0.0871096555575387	325	-1.5690914248734	0.117608762878004	0.00758809209135303	0.267076979867807
KIRC	NCOR2	cg25449924	-0.019089141700266	325	-0.342604828563081	0.732119303167892	0.000364395330852833	0.848679811700381
KIRC	ORC1	cg00298020	0.0048318456644673	325	0.0867053827033614	0.930959589269391	2.33467325252314e-05	0.96346991828577
KIRC	ORC1	cg02275620	0.198212534796407	325	3.62879547078657	0.000331037495916875	0.0392882089504169	0.00265164033745443
KIRC	ORC1	cg04407474	-0.0270034451632522	325	-0.484736262947193	0.628193016534963	0.00072918605068477	0.780378575416714
KIRC	ORC1	cg07142859	-0.0661112751718995	325	-1.1889254828891	0.235345031144589	0.00437070070485461	0.426551217391131
KIRC	ORC1	cg08613513	0.0161747107613616	542	0.37486982538436	0.707905281776619	0.000261621268213707	0.833510967716594
KIRC	ORC1	cg10586599	-0.0263160025142173	542	-0.610038852625267	0.542094126591701	0.000692531988328292	0.716840537060714
KIRC	ORC1	cg13460942	-0.0459682566432326	325	-0.825743767237007	0.409560828085857	0.00211308061881809	0.605499335996031
KIRC	ORC1	cg16136434	-0.0499343147952105	325	-0.897158444976639	0.370304650584739	0.00249343579406718	0.568969208342501
KIRC	ORC1	cg16965475	-0.0269318058153426	325	-0.483449337183394	0.629105298999377	0.000725322164475323	0.781013000181248
KIRC	ORC1	cg17146111	-0.0109687266273293	325	-0.196838603759294	0.84407802189907	0.000120312963825084	0.916678944644693
KIRC	ORC1	cg19776520	-0.0465211069708239	325	-0.835696221028037	0.403945494157006	0.00216421339379084	0.600431231048024
KIRC	ORC1	cg21197365	0.250206689157854	325	4.63729967488902	5.13894596971579e-06	0.062603387299335	7.28991908767451e-05
KIRC	ORC1	cg23606758	0.0595861315964724	325	1.07113813634371	0.284909513010986	0.00355050707863212	0.482139499421624
KIRC	ORC1	cg25605769	-0.0558790907525607	325	-1.00428358398407	0.315996029958584	0.00312247278333292	0.515217973185465
KIRC	PADI1	cg14524955	-0.247323323221786	325	-4.58035625529865	6.6438191917652e-06	0.0611688262094681	9.12838696934268e-05
KIRC	PADI1	cg21010178	0.0278328095292051	325	0.499635473343741	0.617673002733636	0.000774665286289011	0.772950705766182
KIRC	PADI1	cg22193702	-0.259349944790891	542	-6.22291056252969	9.8344997852817e-10	0.0672623938630384	3.25836914947276e-08
KIRC	PADI2	cg00569276	-0.343722457767452	325	-6.56806262554435	2.04604198874171e-10	0.118145127973698	7.67823398322105e-09
KIRC	PADI2	cg01603374	-0.0897128551369214	325	-1.61635731258146	0.10699634444803	0.00804839637681824	0.24998268973151

KIRC	PADI2	cg07014827	-0.0124347101802793	325	-0.223150149263758	0.823560142668166	0.000154622017267541	0.905043618289692
KIRC	PADI2	cg09313801	-0.0128491331578995	325	-0.230588486982977	0.817780945612159	0.000165100222909431	0.902005542080708
KIRC	PADI2	cg10233913	-0.125239153596987	325	-2.26517090117777	0.0241662716598699	0.0156848455936898	0.08401514336918
KIRC	PADI2	cg15185794	-0.0609859755327565	542	-1.41587938023892	0.157390553810938	0.00371928921168197	0.326068454269357
KIRC	PADI2	cg171783414	-0.0881381587366333	325	-1.58776186995631	0.113321617517784	0.00776833052548397	0.260443201074728
KIRC	PADI2	cg18228326	-0.08441292713249	325	-1.52016149182148	0.129451691504394	0.00712554226707506	0.28529320629176
KIRC	PADI2	cg18879300	-0.0301353344742572	325	-0.541004953142949	0.588878232053442	0.000908138383875355	0.75232281517359
KIRC	PADI2	cg19282714	-0.0510466919739986	542	-1.18446251031399	0.236753999419269	0.00260576476148829	0.428087593687769
KIRC	PADI3	cg01459162	-0.0210590656863535	542	-0.488115461798476	0.625667300602405	0.00044348424758215	0.778509012700748
KIRC	PADI3	cg12858514	-0.368515211869984	541	-9.17765130934176	9.50302600685078e-19	0.135803461379579	1.11326187016873e-16
KIRC	PADI3	cg14664242	-0.0924295497141869	325	-1.66571953876862	0.0967418043177192	0.00854322166036735	0.232561785021867
KIRC	PADI3	cg17589397	-0.00619234847782221	325	-0.111119851177689	0.911590537139815	3.8345179670787e-05	0.95304763131642
KIRC	PADI3	cg18768338	-0.0649090903780516	325	-1.16721342541839	0.24398781439636	0.00421319001370607	0.436680868658552
KIRC	PADI3	cg21966975	-0.104386901885191	325	-1.88344569291724	0.0605410275819606	0.0108966252851885	0.165707152899551
KIRC	PADI4	cg16091981	-0.0805861050220566	325	-1.45078441149654	0.147813345061425	0.00649412032262594	0.312675911943098
KIRC	PADI4	cg18333690	-0.104098416120328	542	-2.4254773249864	0.0156168561557049	0.010836480238761	0.0602299195764665
KIRC	PADI4	cg19159961	0.0421057658378237	324	0.755056426182205	0.450768749953446	0.00177289551678964	0.641526181513271
KIRC	PADI4	cg21295838	-0.141298058732787	325	-2.56119927025814	0.010886447699269	0.0199651414016542	0.0455675126985289
KIRC	PADI4	cg23228178	0.061025185255086	542	1.41679309342132	0.15712328361366	0.00372407323541757	0.325822970157033
KIRC	PADI4	cg26918754	-0.143135935595809	325	-2.59520526399181	0.00988615504473372	0.0204878960588876	0.042236451510243
KIRC	PADI6	cg12643633	0.0177470082766159	325	0.31850883997402	0.750305479443615	0.000314956302770272	0.860059300982195
KIRC	PADI6	cg16017904	0.0461023150857454	325	0.828157027365041	0.408194961487806	0.00212542345626535	0.604174971735948
KIRC	PARP1	cg00653565	0.0778634100427389	325	1.40146373278098	0.162038554304925	0.00606271062348369	0.332602303261144
KIRC	PARP1	cg02088626	-0.042891489417105	325	-0.770369202899606	0.441645750525024	0.00183967986441763	0.63419083924578
KIRC	PARP1	cg03149313	0.133950913740889	325	2.42552209292572	0.0158357014362575	0.017942847292019	0.0608526202009798
KIRC	PARP1	cg04960271	0.135797670731821	542	3.17629814170195	0.00157736544567957	0.018441007376188	0.00980343272998296
KIRC	PARP1	cg07113065	0.0406634510338544	325	0.730283558616383	0.465747851759321	0.00165351624998268	0.655009447877244
KIRC	PARP1	cg17661881	0.118081363272462	542	2.75560863512462	0.0060572762777154	0.0139432083522832	0.028889466367503
KIRC	PARP1	cg25722198	0.0981412349311943	324	1.76687436478337	0.0781995040014736	0.00963170199381987	0.199621073479594
KIRC	PARP1	cg26464410	0.0121525259777329	325	0.218085386599198	0.82750072565085	0.000147683887639474	0.90731141693669
KIRC	PARP2	cg01813761	0.00412112611374462	322	0.0736062910200245	0.941369797281853	1.69836804453878e-05	0.968740700695069
KIRC	PARP2	cg10910545	-0.139741539093879	325	-2.53242034112499	0.0118025746768836	0.0195276977483261	0.048534173507426
KIRC	PARP2	cg15078479	-0.104427338753301	542	-2.43322553419302	0.0152902580366873	0.0109050690790967	0.059284805308316
KIRC	PARP2	cg15365367	-0.0756226459662078	325	-1.36089678293774	0.174498010258399	0.00571878458293041	0.349868510568089
KIRC	PARP2	cg18899035	0.183596870235815	303	3.23498049422052	0.0013523836562543	0.0337078107603865	0.00862850276016131
KIRC	PARP2	cg19540080	-0.148201210473297	325	-2.68907043110343	0.00753820477706763	0.0219635987857506	0.0343208293354676
KIRC	PARP2	cg24595957	-0.0391535479697612	542	-0.908011622739998	0.364279380912054	0.00153300031862039	0.563305044101779
KIRC	PARP2	cg26206608	-0.0724830874452307	325	-1.30409273355615	0.193133406704807	0.00525379796559296	0.374072457144125
KIRC	PARP2	cg26430074	-0.261779953438118	325	-4.86720449146702	1.77580483850075e-06	0.0685287440220633	2.8442858061834e-05
KIRC	PAXIP1	cg02824291	0.0787040462200445	325	1.4166881470426	0.1575408405177	0.0061943268914069	0.326280074203555
KIRC	PAXIP1	cg12220104	0.0352111796292019	325	0.632234080587708	0.527682579778044	0.00123982717087992	0.706221525474446
KIRC	PAXIP1	cg22583711	0.0559487655544926	325	1.00553973980552	0.315392047950801	0.00313026436707157	0.514567530268961
KIRC	PAXIP1	cg24448952	-0.13892232514648	325	-2.5172813695109	0.0123115570086561	0.0192994124241044	0.0501673089947087
KIRC	PAXIP1	cg24452135	-0.011490288296201	325	-0.206199464191877	0.836765419491522	0.000132026725129814	0.912601346084203
KIRC	PCGF1	cg03203239	-0.220212960574539	325	-4.05102560693185	6.39620430003683e-05	0.0484937480050035	0.000658270032169685
KIRC	PCGF1	cg08092637	-0.0887995124266483	325	-1.59977014042144	0.110630257984327	0.00788535340721047	0.255994932883755
KIRC	PCGF1	cg27306986	0.100157630632273	325	1.8063474952846	0.0717976220103517	0.0100315509738708	0.187764285698501
KIRC	PCGF2	cg09395368	-0.0625683490120883	325	-1.12495302337848	0.261446785807073	0.00391479829809849	0.456799210204584
KIRC	PCGF2	cg17902383	-0.0666976121450538	325	-1.19951690197462	0.231208898743091	0.00444857146585203	0.421706437839524
KIRC	PCGF2	cg20228512	-0.0764371944718608	542	-1.77649633685453	0.0762172301963113	0.00584264469872907	0.196131229727493
KIRC	PCGF2	cg25377665	-0.109603988174936	325	-1.97869422143453	0.0487022324790811	0.0120130342238515	0.141495408567922
KIRC	PCGF5	cg03905463	0.17578557949212	325	3.2042545654753	0.00148969762165651	0.0309005699573804	0.0093489461745036
KIRC	PCGF5	cg06001881	0.0980395341741318	325	1.76777275142517	0.0780458940989498	0.00961175026108075	0.199333605355845
KIRC	PCGF5	cg07421809	0.023450410387448	325	0.420918321658279	0.674095523742072	0.000549921747339727	0.811597907171677
KIRC	PCGF5	cg07424295	0.051604779278698	325	0.927250138179178	0.354491163689233	0.00266305324440314	0.553471793602541
KIRC	PCGF5	cg08633154	-0.0112856806885708	542	-0.261542674409639	0.793774327089038	0.00012736658860438	0.88698315117374
KIRC	PCGF5	cg11113644	0.0708376489294893	325	1.27433748008579	0.203462742700901	0.00501797250585758	0.387311531258877

KIRC	PCGF5	cg12783297	0.153810201996891	325	2.79326409243266	0.00553017159437731	0.0236575782383244	0.026881665147025
KIRC	PCGF5	cg15550435	-0.132390471770793	324	-2.3930346460586	0.017283923286547	0.0175272370156932	0.0650784341587356
KIRC	PCGF5	cg17001035	-0.0182261930343024	542	-0.422430488530309	0.672879912671055	0.000332194112523652	0.810724052942402
KIRC	PCGF5	cg20515900	0.0726281911514926	325	1.30671722341616	0.192241250946407	0.00527485414993774	0.372845749947017
KIRC	PCGF5	cg22968329	0.0854462460157836	325	1.53890618182482	0.124809276285536	0.00730106095818982	0.278087149917141
KIRC	PCGF5	cg23395902	-0.00388350762846339	325	-0.0696875784119233	0.944485586013552	1.50816315003334e-05	0.970329781019231
KIRC	PCGF5	cg25390656	0.186791761451861	325	3.41190953112266	0.000727380845743523	0.034891162146289	0.00514885036522035
KIRC	PCGF6	cg01917164	-0.104947874114666	325	-1.89367969288865	0.059163733473265	0.0110140562811878	0.16299970046821
KIRC	PCGF6	cg06691148	-0.0938844098589808	325	-1.69216963969002	0.0915809975944378	0.0088142824145691	0.223603418707604
KIRC	PCGF6	cg11612727	-0.086959738830304	325	-1.56637040626889	0.118244108075431	0.00756199617743468	0.268019059573441
KIRC	PCGF6	cg11814370	-0.164175461708246	325	-2.98654733944057	0.00303793423003456	0.0269535822271157	0.0166267803216061
KIRC	PCGF6	cg14409890	-0.121295841921244	325	-2.19276657529187	0.0290392767854616	0.0147126812673835	0.0964101014957409
KIRC	PCGF6	cg16113748	-0.111409674464733	325	-2.01169883478805	0.0450844256060455	0.0124121155643377	0.133774422366187
KIRC	PCGF6	cg16382383	-0.0972865727525566	325	-1.75406570088493	0.080370536819183	0.00946467723793848	0.203669699949004
KIRC	PCGF6	cg24418712	-0.121044567084638	325	-2.18815645286928	0.0293764805825477	0.0146517872207074	0.0971812353477936
KIRC	PCGF6	cg25481680	-0.0524921433973005	325	-0.943238244250935	0.346266217393476	0.00275542511844276	0.54555723663132
KIRC	PCGF6	cg26155979	0.0697321821038953	325	1.25435268058853	0.210623612108412	0.00486257722097082	0.39637266632062
KIRC	PCGF6	cg27217148	0.049601293432772	542	1.15084026275182	0.250310139339362	0.00246028831020395	0.443931857098447
KIRC	PHC1	cg02770112	-0.0166089938884122	325	-0.298078856398683	0.765835220896577	0.000275858677985315	0.870098509966531
KIRC	PHC1	cg08021945	-0.00251652753569459	325	-0.0451576151268325	0.964009669583433	6.33291083790909e-06	0.981085403395783
KIRC	PHC1	cg08867249	-0.065596638334231	325	-1.17963025375724	0.239018100547135	0.0043029189607519	0.430819604123351
KIRC	PHC1	cg09059548	-0.0870016297148452	542	-2.02378527647224	0.0434869378870155	0.00756928357303903	0.130211741178046
KIRC	PHC1	cg09912793	-0.113990003336711	325	-2.0588975860914	0.0403080305301877	0.0129937208607033	0.123128869794849
KIRC	PHC1	cg12581035	-0.0656020669600822	542	-1.52349560021915	0.128223418844668	0.00430363118943511	0.283364940787514
KIRC	PHC1	cg14199415	-0.0189823219311846	325	-0.340686974001342	0.733561413663832	0.000360328545899133	0.849641307150688
KIRC	PHC2	cg06899053	0.0799969503939336	325	1.44010934686486	0.150808004400046	0.00639951207232947	0.316857286617435
KIRC	PHC2	cg13640100	-0.0147170343039688	325	-0.264116342970085	0.791859229063986	0.000216591098704196	0.885771961950418
KIRC	PHC2	cg15586632	-0.102444048795985	325	-1.84801557051829	0.0655169556327782	0.0104947831337142	0.17557704524773
KIRC	PHC2	cg16558908	-0.0913177419985151	325	-1.64551356915315	0.100839681053362	0.00833893000370738	0.239658963380955
KIRC	PHC2	cg17161743	-0.0150800221986874	325	-0.270632097266402	0.786847394279899	0.000227407069512904	0.88256504062943
KIRC	PHC2	cg19746874	0.0480370827611436	325	0.862990909009897	0.388784770206615	0.00230756132020096	0.586508757078576
KIRC	PHC2	cg21198021	0.0108716901422114	542	0.251947396955256	0.80117811833342	0.000118193646548257	0.89147045207561
KIRC	PHC2	cg21578869	0.0106891230683823	325	0.191820414560333	0.848003785506307	0.000114257351971023	0.918847937067213
KIRC	PHC2	cg23886755	-0.0454378745111882	542	-1.05403234046535	0.292342122068313	0.00206460044009449	0.490061441006627
KIRC	PHF1	cg01097444	-0.0723981598241549	325	-1.30255668681684	0.193656978243189	0.00524149354592388	0.374732009189629
KIRC	PHF1	cg02776641	-0.143676341810201	324	-2.60116102425059	0.00972103648059061	0.0206428911959616	0.0416717087709469
KIRC	PHF1	cg03560363	-0.0516083764044279	325	-0.927314945014322	0.354457576104892	0.00266342451510111	0.553452675983059
KIRC	PHF1	cg03876174	-0.165188938502635	325	-3.00549925222225	0.00285975357150622	0.0272873854036273	0.0158489470215683
KIRC	PHF1	cg06618123	-0.132306691059591	325	-2.39521544141298	0.0171815100550609	0.017505060499138	0.064802598333337
KIRC	PHF1	cg06919790	-0.0513624340916554	325	-0.922884061918649	0.356758629469112	0.00263809963581964	0.555595876542352
KIRC	PHF1	cg07857404	0.14020085306476	320	2.52110597400127	0.012188830645476	0.0196562792000864	0.0497804436809196
KIRC	PHF1	cg08665801	-0.165507498427012	325	-3.01145830895314	0.00280574118672628	0.0273927320355674	0.0156096567174558
KIRC	PHF1	cg08798692	-0.00891128547380338	325	-0.159913650325199	0.873049360820656	7.94110087956191e-05	0.932714754243021
KIRC	PHF1	cg10033570	-0.0372891351693899	325	-0.669595298822895	0.503595660989571	0.00139047960168103	0.686956662509919
KIRC	PHF1	cg10797813	-0.123812523401754	325	-2.2389637199996	0.0258409588147426	0.0153295409511098	0.08832864141808
KIRC	PHF1	cg13303256	-0.0826049806483527	542	-1.92079128808193	0.0552871975311488	0.00682358282791472	0.155209564603883
KIRC	PHF1	cg13528777	-0.139278741071768	325	-2.52386724177944	0.0120877823469823	0.0193985677145367	0.0494352297287951
KIRC	PHF1	cg13547657	-0.138129279705697	324	-2.49874191392275	0.0129629767315134	0.0190796979120148	0.0522217757639967
KIRC	PHF1	cg18443095	-0.130725512923141	325	-2.3660898252006	0.0185688434536137	0.0170891597290182	0.068742010451624
KIRC	PHF1	cg20135607	0.0674508723783016	325	1.2131254072765	0.225971054162157	0.00454962018459393	0.415406970733278
KIRC	PHF1	cg20872639	-0.00510443622577684	325	-0.0915970265949718	0.927075170284444	2.60552691830229e-05	0.961483612813065
KIRC	PHF1	cg23345642	-0.0636593615630396	325	-1.14464810825891	0.253205071118311	0.0040525143146138	0.447240998628111
KIRC	PHF1	cg23718418	-0.0618230042613804	325	-1.11150030582853	0.267182273629913	0.00382208385590266	0.462870009904587
KIRC	PHF1	cg24796663	0.0260700950504728	325	0.467970185243492	0.640122493512857	0.000679649855940686	0.78855680899529
KIRC	PHF1	cg26673053	-0.052616351375725	325	-0.945476342606537	0.345124667489039	0.00276848043209375	0.544365044963449
KIRC	PHF10	cg04353997	-0.282760781800378	325	-5.2898366170667	2.26653635023389e-07	0.0799536597243611	4.53039385483286e-06
KIRC	PHF10	cg05243705	0.0227406537900417	325	0.408171997018081	0.683418686378084	0.000517137334798538	0.817672341060529

KIRC	PHF10	cg05736120	-0.0130002622354294	325	-0.233301081000326	0.815675858470191	0.000169006818189931	0.900833159196906
KIRC	PHF10	cg07652237	-0.253640051397076	325	-4.70527678943047	3.76945151496603e-06	0.0643332756727113	5.54539927259583e-05
KIRC	PHF10	cg11442717	-0.0782095493047567	542	-1.81793870754767	0.0696305498814184	0.00611673360245317	0.183634110701575
KIRC	PHF10	cg15342139	0.0777622615126174	325	1.39963207693729	0.162586173103125	0.0060469693155567	0.333233974875765
KIRC	PHF10	cg15360169	-0.0725233195529786	325	-1.30482040309828	0.192885740802152	0.00525963187898345	0.373749211762258
KIRC	PHF10	cg16740543	-0.0360336846481703	542	-0.835560592593659	0.403773751772368	0.00129842642932378	0.600251772317592
KIRC	PHF10	cg27124293	-0.214771329206835	325	-3.94601652791544	9.75897121616364e-05	0.0461267238492708	0.000944265431331137
KIRC	PHF11	cg00092518	-0.190601004913334	325	-3.48408441671617	0.000562184195852416	0.0363287430739728	0.00413878653658965
KIRC	PHF11	cg01214340	-0.158191854875466	325	-2.87485032886157	0.00431123770397791	0.0250246629489406	0.0220447236718323
KIRC	PHF11	cg02289189	0.0212346460630216	325	0.381128037353077	0.703359586364153	0.000450910193421797	0.830523821389293
KIRC	PHF11	cg05080330	0.0160670920114795	325	0.288350879722187	0.773263686638044	0.000258151445705348	0.874232343362702
KIRC	PHF11	cg09997676	-0.137172218695566	325	-2.48495723081563	0.0134641845210775	0.0188162175818641	0.0537586106873693
KIRC	PHF11	cg16956501	-0.105998787239319	325	-1.91285677251265	0.0566532095885182	0.0112357428962065	0.1579104187291
KIRC	PHF11	cg21320768	-0.190772314585031	325	-3.48733408132086	0.000555644093342543	0.0363940760121301	0.00409995035544814
KIRC	PHF11	cg23137039	-0.105702854277791	325	-1.90745593028037	0.057351071962396	0.0111730934024718	0.159296247223744
KIRC	PHF11	cg24481868	-0.0928515357239565	325	-1.67339034437556	0.0952216079467238	0.00862140768629717	0.229980433673003
KIRC	PHF11	cg24984523	-0.0390924232557489	325	-0.702025084010717	0.483170644786262	0.00152821755600662	0.670072711936197
KIRC	PHF11	cg25162948	-0.168843691593862	325	-3.07392455008371	0.00229327611370358	0.0285081921910432	0.0132829366383334
KIRC	PHF12	cg01406758	-0.0066646036373851	325	-0.119594692607333	0.904878805027253	4.44169416434467e-05	0.949594110875931
KIRC	PHF12	cg02058367	0.0317978122116908	325	0.570880021721926	0.568479162248421	0.00101110086144995	0.736948307747936
KIRC	PHF12	cg06895197	-0.0338100285518419	325	-0.60704633383591	0.544247963472089	0.00114311803067636	0.718434382561121
KIRC	PHF12	cg08657247	-0.166778314539468	325	-3.03524015961609	0.00259937662900955	0.0278150062006258	0.0146756590084309
KIRC	PHF12	cg08806622	-0.0674411343289796	325	-1.21294946506321	0.226038226009752	0.00454830659957948	0.415447098185973
KIRC	PHF12	cg13564075	-0.0584430068137666	542	-1.35663384940214	0.175467616788887	0.00341558504543396	0.351169966825517
KIRC	PHF14	cg06715026	-0.0863501735618074	325	-1.55530777699946	0.120855071151798	0.00745635247415426	0.271985509982781
KIRC	PHF14	cg07287563	-0.177554104090243	325	-3.23753555838748	0.00133124547194328	0.031525459879289	0.00851178682044509
KIRC	PHF14	cg07574654	0.0182830701235301	325	0.328132810938696	0.743024511895876	0.000334270653141919	0.855543270557244
KIRC	PHF14	cg11931558	-0.225561160921629	325	-4.15461896939352	4.17936085417772e-05	0.0508778373163131	0.000454789758413627
KIRC	PHF14	cg13029706	-0.173945636788371	325	-3.16966356409454	0.00167275130931178	0.0302570845577119	0.0102789543035813
KIRC	PHF14	cg16800461	-0.132881201863809	325	-2.40580264169741	0.0167003299043826	0.0176574138087703	0.0633625372893846
KIRC	PHF14	cg20819769	0.0726829318022381	325	1.30770733889729	0.191905468125697	0.0052828085753688	0.372395310926524
KIRC	PHF14	cg20964328	-0.0696004396167401	325	-1.25197133077708	0.211488953049101	0.00484422119484348	0.397529939679169
KIRC	PHF14	cg22876561	0.0165557691115201	325	0.297123377851124	0.766563897413484	0.000274093490873962	0.870595810613223
KIRC	PHF14	cg23083824	-0.156356061675285	325	-2.84064702871232	0.00478888919364396	0.0244472180226054	0.0239567610643805
KIRC	PHF14	cg24491907	0.0482458679901421	325	0.866750488252763	0.38672413956566	0.00232766377812222	0.584670742253012
KIRC	PHF19	cg11054680	0.0393342447972959	316	0.696432791592118	0.486674682384995	0.0015471828137736	0.673085214696409
KIRC	PHF19	cg11594303	-0.0953700840673372	325	-1.71919124426183	0.086540580388981	0.00909545293501097	0.214850420002565
KIRC	PHF19	cg13501527	-0.282721685536521	325	-5.28904166523812	2.27561567526924e-07	0.0799315514726117	4.54538900469672e-06
KIRC	PHF19	cg13793166	0.0905682626346302	260	1.4579113531832	0.146085876271944	0.00820261019665535	0.310111619663674
KIRC	PHF19	cg13851767	0.326058815806919	325	6.18915687617426	1.83869220451319e-09	0.106314351365411	5.78637626852342e-08
KIRC	PHF19	cg13852822	0.258835667907114	325	4.80850733565386	2.33830976988163e-06	0.0669959029809219	3.62507911993168e-05
KIRC	PHF19	cg14218513	-0.0704795386557995	325	-1.26786299430115	0.20576288745646	0.00496736536913434	0.390075008938196
KIRC	PHF19	cg27207079	0.267287450653152	325	4.97739517608295	1.05184655156412e-06	0.0714425812766609	1.78584353191573e-05
KIRC	PHF20	cg01512265	-0.256016482811946	325	-4.75243883832077	3.03375343511205e-06	0.0655444394713996	4.55789522462546e-05
KIRC	PHF20	cg02674305	-0.256529339203187	325	-4.76262891226523	2.89405978801563e-06	0.065807301872024	4.37675908143251e-05
KIRC	PHF20	cg02957488	0.123139093750674	325	2.22659773404154	0.0266655803125811	0.0151632364097374	0.0904005819861827
KIRC	PHF20	cg04179482	-0.0103777423059233	325	-0.186231956417942	0.852380133039179	0.00010769753536815	0.921330218339116
KIRC	PHF20	cg09692677	-0.277362406745247	325	-5.15615065135563	4.43242063818556e-07	0.0769299046755156	8.27451246544846e-06
KIRC	PHF20	cg10372813	-0.137424764152812	325	-2.48962022603045	0.0132922054555945	0.0188855658024559	0.0532221849406825
KIRC	PHF20	cg21765224	-0.114135011040268	325	-2.06155127525999	0.0400527929079394	0.0130268007451621	0.122599526715728
KIRC	PHF20	cg23538717	0.0966670726723566	325	1.74279048667774	0.0823248427138225	0.00934452293904267	0.207187694156744
KIRC	PHF20	cg23734815	-0.185293720391911	325	-3.38356959342854	0.000803853294599292	0.0343337628166756	0.00559046694082401
KIRC	PHF20	cg25561939	0.0687001985358424	324	1.2337802335305	0.218187389119893	0.00471971727886416	0.405806530451453
KIRC	PHF20	cg27405321	-0.251352490810575	324	-4.65272287911385	4.79695844735029e-06	0.06317807463668	6.86108816791999e-05
KIRC	PHF20L1	cg02898212	0.170554461981149	325	3.10599871411962	0.00206502312059791	0.0290888245016791	0.0122071739091029
KIRC	PHF20L1	cg05307234	-0.0522590041955	325	-0.939037437191692	0.348415368928786	0.00273100351950529	0.547623501574826
KIRC	PHF20L1	cg10591701	-0.19089559647093	325	-3.4896728857998	0.000550981273669012	0.0364411287519921	0.00407095044199897

KIRC	PHF20L1	cg17646969	0.048099289735618	325	0.864111053239567	0.388170116335416	0.00231354167307093	0.585995972074935
KIRC	PHF20L1	cg24511731	-0.0118247630688125	325	-0.21220262316992	0.832083221604647	0.000139825021633551	0.90994854024158
KIRC	PHF20L1	cg26292018	0.0944280534771965	325	1.70205615602502	0.089710011504487	0.00891665728349228	0.220335310822127
KIRC	PHF20L1	cg27342122	-0.0415025110352534	542	-0.962577855107364	0.336192653785302	0.00172245842223133	0.535723319335044
KIRC	PHF21B	cg01775414	-0.0851211361217807	542	-1.97971943155609	0.0482452072627738	0.00724560781466272	0.140534060826228
KIRC	PHF21B	cg01995480	-0.1653112511947	325	-3.00778714766779	0.00283890448183174	0.0273278097715573	0.0157473882534796
KIRC	PHF21B	cg05064352	-0.0235322951669077	542	-0.545471058321516	0.58565607473464	0.000553768915822469	0.750078673019979
KIRC	PHF21B	cg10080155	-0.0599796286958905	325	-1.07823721353292	0.281734970356432	0.00359755585849689	0.478857117848116
KIRC	PHF21B	cg11428482	-0.0552182811889058	325	-0.992370683529051	0.321761865249596	0.00304905857745706	0.521242679127386
KIRC	PHF21B	cg14786713	0.0123865976128382	325	0.222286600604066	0.824231704185748	0.000153427800422369	0.905521044851037
KIRC	PHF21B	cg15679813	-0.0990652769343634	325	-1.78645050156644	0.074967072839534	0.00981392909408211	0.193805330530609
KIRC	PHF21B	cg20495645	-0.0989080544596237	325	-1.78358726584731	0.0754324749602033	0.00978280323698788	0.194685331825809
KIRC	PHF21B	cg20525183	-0.0637003825588965	325	-1.14538870395592	0.252898744230617	0.00405773873814976	0.446902866880417
KIRC	PHF21B	cg21715212	-0.0940011573719867	325	-1.69429264082986	0.0911765934248287	0.00883621758727302	0.22288851110553
KIRC	PHF21B	cg23080354	-0.0924247550796017	325	-1.66563238774769	0.0967591872560998	0.00854233535152435	0.23259638506276
KIRC	PHF21B	cg25561581	-0.0554281736452816	325	-0.996154426848566	0.319923105021059	0.00307228243365149	0.51931411610295
KIRC	PHF21B	cg25976257	-0.0882659744676803	325	-1.5900824685264	0.112797511383521	0.00779088224872919	0.259622166353136
KIRC	PHF23	cg00039960	-0.00155831595188044	325	-0.0279630139629828	0.97770897260151	2.42834860588504e-06	0.98844548746003
KIRC	PHF23	cg01441172	0.000900058717015111	325	0.0161509827816026	0.987123942973814	8.10105694074888e-07	0.993204285131626
KIRC	PHF23	cg04379155	-0.0695016313797463	325	-1.25018533683017	0.212139644499928	0.00483047676444614	0.398342524278281
KIRC	PHF23	cg11180288	0.0387830650288087	325	0.696461200322949	0.486642483181027	0.0015041261330288	0.673076580318331
KIRC	PHF23	cg13351208	-0.0478935488658506	325	-0.860406371210311	0.390205246654137	0.00229379202296562	0.587609794890859
KIRC	PHF23	cg22033559	-0.0322175315823138	325	-0.578423205638816	0.56338275979466	0.00103796934125739	0.733325093115319
KIRC	PHF23	cg26213471	-0.0643318594684936	325	-1.15679016657802	0.248215559591845	0.00413858814267401	0.441519003583441
KIRC	PHF23	cg26784276	0.108597450587481	325	1.96030520082516	0.0508221201755047	0.0117934062741005	0.146031469931787
KIRC	PHIP	cg01492710	0.144312372928169	325	2.61698709271213	0.00928947138513438	0.0208260609801589	0.0402672820556807
KIRC	PHIP	cg04480383	-0.0992471273933318	325	-1.78976241500785	0.0744316820959097	0.00984999229582822	0.192779939971008
KIRC	PHIP	cg05801338	-0.00279713134929055	325	-0.0501929239029017	0.959999770587306	7.82394378518395e-06	0.979061311921597
KIRC	PHIP	cg06848288	0.0490917760143699	542	1.13898982372343	0.255215233282747	0.00241000247224506	0.449495446185148
KIRC	PHIP	cg08287994	-0.0784378765603774	325	-1.41186733097677	0.158954642855279	0.006152500479301	0.328273049092983
KIRC	PHIP	cg08587415	-0.0971097503029786	325	-1.75084723373105	0.0809244855253683	0.00943030360390686	0.204609965774847
KIRC	PHIP	cg15564972	0.0336820198477654	325	0.604745369942494	0.545774100885269	0.00113447846102526	0.7195967797385
KIRC	PHIP	cg19494004	-0.0814599784926885	325	-1.46662120208791	0.143455056365682	0.00663572809602927	0.306339353689592
KIRC	PHIP	cg19950079	0.0526856135318072	325	0.946724393596271	0.344489143003449	0.00277577387322295	0.543715400815807
KIRC	PHIP	cg21607066	0.0278445136858075	542	0.645498449278057	0.518879928719019	0.000775316942399118	0.69966452038839
KIRC	PHIP	cg21875336	-0.149820674003123	325	-2.71912614579997	0.0069003804633208	0.0224462343587502	0.0320575367953026
KIRC	PHIP	cg26363168	0.00501569645915982	325	0.0900045872534271	0.928339527699521	2.51572109704284e-05	0.962163451329503
KIRC	PHRF1	cg06063517	0.0293275237434012	325	0.526490065073413	0.598910216825297	0.00086010364891976	0.759279243998893
KIRC	PHRF1	cg07530960	-0.188360544758402	325	-3.44161421005179	0.000654550692572895	0.0354796948216818	0.00471133573075646
KIRC	PHRF1	cg08482978	-0.15822663330724	325	-2.87549859175331	0.00430261924697861	0.0250356674877436	0.0220122294949003
KIRC	PHRF1	cg12469954	0.0141795588652969	325	0.254468669877152	0.799295936492934	0.000201059889614419	0.890403357727343
KIRC	PHRF1	cg12813709	-0.0960828617750123	325	-1.73215942684858	0.0842027871800881	0.00923191632687612	0.210578700160342
KIRC	PHRF1	cg15219216	-0.0987000196397263	325	-1.77979887530551	0.0760518943747679	0.00974169387688237	0.195848472480227
KIRC	PHRF1	cg16143007	-0.169891372480162	325	-3.09356344859036	0.00215091079117361	0.0288630784431933	0.0125943063441637
KIRC	PHRF1	cg18793109	-0.102214768934734	325	-1.84383581132158	0.0661257071749327	0.010447858988381	0.176757834723799
KIRC	PHRF1	cg20152424	-0.0708711087543642	325	-1.27494244515256	0.203248785599743	0.00502271405607292	0.387082256828888
KIRC	PHRF1	cg21006161	-0.148425456153428	325	-2.6932308938793	0.00744685706577812	0.0220301160343532	0.0339846251183136
KIRC	PPARGC	cg04893087	-0.0400357519632876	542	-0.928503337177281	0.353563693180768	0.00160286143526589	0.55261153531643
KIRC	PPARGC	cg05158538	-0.104408127661842	542	-2.43277296926274	0.0153091671563944	0.0109010571218516	0.0593246327076165
KIRC	PPARGC	cg11270806	-0.357367293081499	325	-6.86613970289385	3.40513189047282e-11	0.127711382164398	1.46677093182416e-09
KIRC	PPARGC	cg12691631	-0.213980641498195	325	-3.93079069405213	0.000103677470946432	0.0457877149359789	0.00099375896353716
KIRC	PPARGC	cg20723350	-0.242786292719703	325	-4.49101637556267	9.88998943633379e-06	0.0589451839325775	0.000129569187977459
KIRC	PPARGC	cg27461259	-0.159700798250146	325	-2.90298685449826	0.00395129999252332	0.0255043449617337	0.0205720406651291
KIRC	PPARGC	cg27514608	-0.359586155891859	325	-6.91507948035567	2.52306723576183e-11	0.129302203509085	1.11017812521977e-09
KIRC	PRDM1	cg00555933	-0.0352778892196005	325	-0.633433375300954	0.526900321614183	0.0012445294677904	0.705550874753059
KIRC	PRDM1	cg01761420	0.0434566419853442	325	0.780538924856794	0.435647136530753	0.00188847973264238	0.628805561335018
KIRC	PRDM1	cg05170275	0.0160418312495683	325	0.287897416249706	0.77361047533834	0.000257340349839627	0.874475135764822

KIRC	PRDM1	cg08742502	-0.192517732881878	325	-3.52046276152879	0.000492913812936003	0.0370630774739781	0.00370490214140516
KIRC	PRDM1	cg14359052	-0.215032901427888	325	-3.95105526754782	9.56508645050406e-05	0.0462391486964959	0.000927119779878536
KIRC	PRDM1	cg17143179	-0.364719057496804	325	-7.02881076307964	1.24980171095436e-11	0.133019990901357	5.84297321526345e-10
KIRC	PRDM1	cg17521665	-0.219529557158406	325	-4.03781615804985	6.74865258531954e-05	0.0481932264661657	0.000688259936054468
KIRC	PRDM1	cg17965230	-0.0187995098192217	542	-0.435722941167551	0.663212850416338	0.000353421569443014	0.804183183211318
KIRC	PRDM1	cg19464016	-0.00669689271761374	542	-0.155192319268259	0.876728018079577	4.48483720712279e-05	0.934772957442417
KIRC	PRDM1	cg22186515	0.0163392165174702	325	0.293235903105568	0.769530734885095	0.0002669699960477	0.872249734226502
KIRC	PRDM1	cg22196848	-0.119531161971523	325	-2.16039910639769	0.0314791437447159	0.0142876986822624	0.102335499727389
KIRC	PRDM1	cg24040346	0.100481307909896	325	1.81224447283933	0.0708797469400483	0.0100964932392834	0.186041453250786
KIRC	PRDM1	cg24793124	-0.204216540206221	325	-3.743424702801	0.000214950013653648	0.0417043952937993	0.00184282800993739
KIRC	PRDM1	cg24874254	-0.203811486681073	325	-3.73567767850819	0.000221391263051414	0.0415391221031491	0.00189034265369572
KIRC	PRDM1	cg26351406	-0.0907484584100462	325	-1.63516982844003	0.102990589089187	0.00823528270379988	0.243268555870782
KIRC	PRDM10	cg04181189	0.000254997812053972	325	0.00457577229093568	0.996351908179884	6.50238841523127e-08	0.998212473373075
KIRC	PRDM10	cg17627813	0.177370057296957	325	3.23407056902338	0.00134698233831908	0.0314601372255256	0.00860160374179777
KIRC	PRDM12	cg09191327	0.268442443616139	542	6.45771230865419	2.38232956135215e-10	0.0720613455346041	8.84212528128957e-09
KIRC	PRDM12	cg12539975	0.235454598380284	542	5.6140888811381	3.17198934000486e-08	0.0554388678984207	7.76468655495084e-07
KIRC	PRDM12	cg13795948	0.150567587328991	325	2.73299567975652	0.00662281737272257	0.0226705983540733	0.0310053231445857
KIRC	PRDM12	cg13928649	0.165277862379162	325	3.0071625857447	0.00284458209795279	0.0273167717926253	0.0157738555654815
KIRC	PRDM12	cg23342516	0.133232774387382	325	2.41228270746707	0.0164117156275163	0.0177509721709589	0.0625236535517633
KIRC	PRDM13	cg00126261	0.177428777258821	325	3.23517603264861	0.00134194304698084	0.0314809709995603	0.00857179966585198
KIRC	PRDM13	cg00579292	0.127447983552429	325	2.30577530772381	0.0217582390072678	0.0162429885115801	0.0776236102600838
KIRC	PRDM13	cg01422797	0.107089359527117	325	1.93276440831382	0.0541419025548756	0.011468130923928	0.152949203549786
KIRC	PRDM13	cg01815538	0.0643495085366518	325	1.15710884459224	0.248085543210563	0.00414085924890863	0.441451059218206
KIRC	PRDM13	cg02400433	0.100309362025065	325	1.80911177098073	0.0713661466368996	0.0100619681098756	0.186994207189996
KIRC	PRDM13	cg03120185	0.135165665101984	325	2.44792572674762	0.0149015823401045	0.0182697570224617	0.0580788425133312
KIRC	PRDM13	cg04910970	0.0614004554564885	325	1.10387455860792	0.270471793659341	0.00377001593026422	0.466616802707201
KIRC	PRDM13	cg11809464	0.100343909802107	325	1.80974118775157	0.0712682000782529	0.0100689002343733	0.18679419011784
KIRC	PRDM13	cg13738144	0.0840049393164357	325	1.51276184378842	0.131320998782103	0.00705682982955805	0.28810699058786
KIRC	PRDM13	cg14344102	0.111511315947132	325	2.01355725006979	0.0448876706872663	0.0124347735842611	0.133322825803497
KIRC	PRDM13	cg17879189	0.0620450907646954	325	1.11550854591372	0.265464365149349	0.0038495932879993	0.461187969042989
KIRC	PRDM13	cg17978124	0.208503032276052	325	3.82553175462033	0.000156716260620272	0.0434735144683082	0.00141335320875185
KIRC	PRDM13	cg25273233	0.11392229607333	325	2.05765856633822	0.0404276759082963	0.0129782895426195	0.123341459569949
KIRC	PRDM13	cg25924096	0.206373778526349	325	3.78471780183837	0.00018349588374439	0.0425901364632426	0.00161316293140593
KIRC	PRDM13	cg26507427	0.105009414218336	325	1.8948025002099	0.0590142289617064	0.0110269770744781	0.162667077484569
KIRC	PRDM14	cg00384539	0.0619072826370109	325	1.11302135108641	0.266529460347566	0.00383251164349875	0.462202247843927
KIRC	PRDM14	cg01295203	0.00716518060651537	542	0.166044858794794	0.868184144002724	5.13398131239839e-05	0.929988947160001
KIRC	PRDM14	cg04838988	0.0672075891343171	325	1.20872999129112	0.227653442530342	0.00451686003724718	0.417385211477586
KIRC	PRDM14	cg09050331	-0.0404967691933391	325	-0.727285156556464	0.467579732164651	0.00163998831509858	0.656622157951096
KIRC	PRDM14	cg10457247	-0.0305832977493953	542	-0.70904640087622	0.478603392488046	0.000935338101228166	0.666090708181388
KIRC	PRDM14	cg11229513	0.105844462831804	325	1.91004025378053	0.0570162511599484	0.0112030503121531	0.15864948289352
KIRC	PRDM14	cg13267264	0.0395792949349039	325	0.710782000830296	0.477733845972577	0.00156652058754411	0.665405490256258
KIRC	PRDM14	cg18035229	0.0728310180114467	325	1.31038589143965	0.190999249357559	0.00530435718458367	0.37139061199065
KIRC	PRDM14	cg21255438	0.117438805487964	325	2.12204833849796	0.0345968615272643	0.0137918730344399	0.109881123771209
KIRC	PRDM14	cg27029821	0.0959955620062594	325	1.73057096238361	0.0844863526927403	0.00921514792489759	0.211101532269266
KIRC	PRDM4	cg00090609	-0.0120277725950478	325	-0.215846276254779	0.829244238948234	0.000144667313598182	0.908223772328752
KIRC	PRDM4	cg03909902	-0.0639295751211153	325	-1.14952666859128	0.251191963625925	0.00408699057516632	0.44480623732849
KIRC	PRDM4	cg12900929	-0.0330832794572577	325	-0.593983372512124	0.552940290823056	0.00109450337964701	0.725056668705459
KIRC	PRDM4	cg18440127	-0.0236231975361659	325	-0.424021454459574	0.671833293054587	0.000558055461832713	0.809957832748074
KIRC	PRDM4	cg25995916	-0.0205171930706852	542	-0.475550362018946	0.634588127538511	0.000420955211499772	0.784742775443082
KIRC	PRDM4	cg27140793	-0.00545774670784993	325	-0.0979372218661093	0.922043077955324	2.97869991270468e-05	0.959081862757632
KIRC	PRDM5	cg05713693	-0.17288932894121	325	-3.14982042579624	0.00178692959545636	0.0298907200617418	0.0108425552569169
KIRC	PRDM5	cg06329345	-0.197796599718007	325	-3.62087031253472	0.000340932770637369	0.0391234948600057	0.00272081698389039
KIRC	PRDM5	cg07070341	-0.173352624276956	325	-3.15852221813226	0.00173600072077696	0.0300511323437074	0.0105946842450869
KIRC	PRDM5	cg10416963	-0.223260747240594	325	-4.11001269507455	5.02516178521929e-05	0.0498453612584283	0.000532163675359855
KIRC	PRDM5	cg11171429	-0.178723744558256	325	-3.25956421613375	0.00123511811414919	0.0319421768689247	0.00800773219202616
KIRC	PRDM5	cg13155001	-0.228014779312766	325	-4.20227668547258	3.42629617968451e-05	0.0519907395850495	0.000383022395462533
KIRC	PRDM5	cg18181323	-0.232434102556939	325	-4.28832897586702	2.38242935835054e-05	0.0540256120314494	0.000278998508962099

KIRC	PRDM5	cg19294653	-0.201543280866774	325	-3.69233298784293	0.000260920795615727	0.0406196940625434	0.00217034833293856
KIRC	PRDM5	cg22135105	-0.297436689903948	325	-5.5903198230429	4.83787314565794e-08	0.0884685845010175	1.1349743772416e-06
KIRC	PRDM8	cg01304890	0.0380268935423654	325	0.682862111432842	0.495184967619386	0.00144604463248239	0.68004341573221
KIRC	PRDM8	cg02895669	0.0550340191167518	325	0.989049089402114	0.323381739789819	0.00302874326014301	0.522796677496563
KIRC	PRDM8	cg04343891	0.0515597624301135	325	0.926439104954544	0.354911670459649	0.00265840910184974	0.553839334264181
KIRC	PRDM8	cg05007549	0.178021714909958	325	3.24634069453983	0.00129201895841888	0.0316917309794824	0.00830191813423953
KIRC	PRDM8	cg07462804	-0.0353318717108306	325	-0.634403870396142	0.526267737098663	0.00124834115859059	0.704973381785334
KIRC	PRDM8	cg08074201	-0.0730967353728119	325	-1.31519235034543	0.189381048762194	0.0053431327221629	0.369277855108435
KIRC	PRDM8	cg10695325	-0.0111978011009861	325	-0.200949955778832	0.840864576063818	0.000125390749497246	0.914756241509001
KIRC	PRDM8	cg11571772	-0.0349932501978003	325	-0.628316237816584	0.53024219162242	0.00122452755940585	0.708185160696251
KIRC	PRDM8	cg12572049	-0.0270652410217211	325	-0.485846366748661	0.627406538601057	0.000732527271563856	0.779782253485985
KIRC	PRDM8	cg14489346	-0.0346608782213193	325	-0.622341168186049	0.534157996506541	0.00120137647907313	0.711031106539816
KIRC	PRDM8	cg15656813	0.0547548912396796	325	0.984017592939973	0.325845652499684	0.00299809811466915	0.525317378538662
KIRC	PRDM8	cg16117799	0.179581751501197	325	3.2757327321821	0.0011687055542555	0.0322496054722376	0.00764471840292882
KIRC	PRDM8	cg18624348	-0.00510687166885928	325	-0.0916407307675053	0.927040472846801	2.60801382421976e-05	0.961483612813065
KIRC	PRDM8	cg19595012	-0.010323017385288	325	-0.185249795001089	0.853149744200618	0.000106564687936959	0.921812856158839
KIRC	PRDM8	cg20142271	-0.00996008915365306	325	-0.178736275757439	0.858257188433039	9.92033759487173e-05	0.924664640782193
KIRC	PRDM8	cg26162932	-0.0182313421715208	325	-0.327204121730806	0.743726113201882	0.000332381837375074	0.856043754722465
KIRC	PRKAA1	cg00301775	-0.263542649697698	325	-4.90241520449022	1.50368013152535e-06	0.0694547282096835	2.45132632338397e-05
KIRC	PRKAA1	cg01883943	-0.0571975811692272	325	-1.02805695306049	0.304694666318452	0.00327156329161033	0.503220904128984
KIRC	PRKAA1	cg03125217	0.132163094942603	325	2.39256960763512	0.0173036531526399	0.0174670836648075	0.0651401109778113
KIRC	PRKAA1	cg05874655	0.191260500713625	325	3.49659655954894	0.000537391468729709	0.0365805791332265	0.00398426429247091
KIRC	PRKAA1	cg06971720	0.038465721936791	325	0.69075391525539	0.490217830445087	0.00147961176411852	0.676148251220822
KIRC	PRKAA1	cg10786880	0.0616568637508503	542	1.43151415313247	0.152864642520086	0.00380156884759092	0.31991692672462
KIRC	PRKAA1	cg24728477	0.138065068744291	325	2.50144501982238	0.0128648033615272	0.0190619632073658	0.0519278012092901
KIRC	PRKCD	cg02121118	-0.0706563863845091	325	-1.27106026643287	0.204624653866299	0.00499232493691704	0.388773475898076
KIRC	PRKCD	cg02559423	-0.119042649181492	325	-2.1514425704377	0.0321847331054897	0.0141711523241479	0.10402938038925
KIRC	PRKCD	cg02630105	0.00253804710645195	542	0.0588150160727109	0.953121327750533	6.44168311456911e-06	0.975242720912199
KIRC	PRKCD	cg10531918	-0.305732234908327	325	-5.76207097279313	1.94331768774508e-08	0.0934721994620407	5.00756728057108e-07
KIRC	PRKCD	cg13469346	-0.0471244432188784	325	-0.846558404765109	0.397870012321963	0.00222071314868929	0.594491153443717
KIRC	PRKCD	cg13889007	0.148262316394441	325	2.69020409609498	0.0075132143428662	0.0219817144626454	0.0342203159595394
KIRC	PRKCD	cg13908523	-0.0635812539087646	542	-1.47637215197588	0.140430156832788	0.00404257584861079	0.301952007204254
KIRC	PRKCD	cg14727059	-0.0934027041272368	325	-1.68341078088563	0.0932647843886215	0.00872406513828014	0.226567948399321
KIRC	PRKCD	cg21903826	-0.135528476189284	325	-2.45461921958233	0.0146321256688814	0.0183679678581893	0.057264402604674
KIRC	PRMT1	cg07702240	-0.186851968298911	325	-3.41304903805932	0.000724452826255955	0.0349136580571773	0.00513185969456891
KIRC	PRMT1	cg08377944	-0.173582290733427	325	-3.16283670346981	0.00171124974031182	0.030130811656264	0.010474857368622
KIRC	PRMT1	cg11787855	-0.0519507235170609	325	-0.933482933465634	0.351270123316406	0.00269887767394611	0.550231716601089
KIRC	PRMT1	cg14258555	-0.151186735570055	325	-2.74449635558911	0.00640035373457552	0.0228574290123297	0.0301694632349439
KIRC	PRMT1	cg14576628	-0.112905793581912	542	-2.63323305038417	0.00870132239666624	0.0127477182243612	0.0382911344341132
KIRC	PRMT1	cg18880319	-0.212147739402975	325	-3.89552659411622	0.000119188920105565	0.045006663337926	0.0011205054804462
KIRC	PRMT1	cg22292364	-0.275159298948027	325	-5.13580615129205	4.87485822377389e-07	0.0757126397975696	9.01651737185606e-06
KIRC	PRMT1	cg24228123	-0.173234006676228	325	-3.15629409081271	0.00174891196190328	0.0300100210690993	0.01065842986011
KIRC	PRMT1	cg25595446	-0.0149557119699718	542	-0.346611374759337	0.729019074743596	0.000223673320528757	0.84676402051338
KIRC	PRMT1	cg26846726	-0.203599520372797	325	-3.73162442437343	0.000224833452492117	0.0414527646960329	0.00191427094266955
KIRC	PRMT2	cg04493422	-0.151849148049119	325	-2.75680432505053	0.00616977687175264	0.0230581637632432	0.0293273629451989
KIRC	PRMT2	cg06725035	-0.0105032668201082	541	-0.243181621411786	0.807957739513212	0.000110318613894385	0.89602288313443
KIRC	PRMT2	cg09031657	-0.159562897434508	325	-2.90041462216792	0.00398302878957444	0.0254603182376955	0.0206848457484099
KIRC	PRMT2	cg10187059	-0.134365874398458	325	-2.43317394606148	0.0155109967056709	0.0180541882028623	0.059925629604736
KIRC	PRMT2	cg10657630	0.00987993843602908	325	0.177297810222932	0.859385943880537	9.76131834997247e-05	0.925319273951536
KIRC	PRMT2	cg12162201	-0.205655236590095	325	-3.77095735798407	0.000193460020922158	0.0422940763369279	0.00168797990888497
KIRC	PRMT2	cg13271076	0.07654139341113903	541	1.77727517925334	0.0760899591033322	0.00585858490535723	0.195901843625584
KIRC	PRMT2	cg17243659	-0.161611535482146	325	-2.93864542276019	0.00353457376193052	0.0261182884008971	0.0187908969425967
KIRC	PRMT2	cg23283320	-0.128177699276805	324	-2.31559309507418	0.0212104682947967	0.016429522591895	0.0761535815343385
KIRC	PRMT3	cg01769160	-0.0203006073593546	325	-0.364356461162185	0.71583099360888	0.000412114659158683	0.838437823772456
KIRC	PRMT3	cg04101203	0.0811360278419708	324	1.45847999521397	0.145686020891751	0.00658305501397306	0.309618455941746
KIRC	PRMT3	cg06578097	-0.0417309559297416	325	-0.749488122370093	0.454110256245643	0.00174147268281004	0.644395557885039
KIRC	PRMT3	cg13432154	0.0810780420035504	325	1.45969913326622	0.145347671954622	0.00657364889512948	0.309196059126197

KIRC	PRMT3	cg13982511	-0.0479993695222729	325	-0.862311821779649	0.389157693680612	0.0023039394745357	0.586801382246513
KIRC	PRMT3	cg19653624	-0.0378584241011455	325	-0.679832495377953	0.497098972211575	0.00143326027542219	0.68158904144081
KIRC	PRMT3	cg23019633	0.0448750395337944	325	0.806065818886829	0.420799786953857	0.00201376917315961	0.615946311669302
KIRC	PRMT3	cg23071995	0.0763217511376241	325	1.37355117674978	0.170536599878421	0.00582500969671343	0.344350977963772
KIRC	PRMT6	cg00944433	-0.0773341454327183	325	-1.39187998519059	0.164919391802349	0.00598057004980883	0.336782757996377
KIRC	PRMT6	cg02990361	-0.247251945121058	325	-4.57894826577709	6.68593093552502e-06	0.0611335243661469	9.17624817610833e-05
KIRC	PRMT6	cg02993280	-0.158708787371585	325	-2.88448697756833	0.00418472803480468	0.025188479188959	0.0215194825978051
KIRC	PRMT6	cg09367891	-0.14312272955133	324	-2.59092824140629	0.010008639085916	0.0204841157142232	0.0426613374088955
KIRC	PRMT6	cg14671364	-0.139103718160739	325	-2.52063303437786	0.0121972175937014	0.0193498444061423	0.0498068524216264
KIRC	PRMT6	cg14828511	-0.15710579219791	325	-2.85461185002011	0.00458833922179682	0.0246822299421329	0.0231436984646607
KIRC	PRMT6	cg22528358	0.0847775784020271	325	1.52677579935999	0.127798408998829	0.00718723779971185	0.28272027847583
KIRC	PRMT7	cg00894222	0.146722059383018	324	2.65750192439727	0.00826610486620843	0.0215273627095937	0.0368511955278979
KIRC	PRMT7	cg02477175	-0.0335379888736703	325	-0.602156440941422	0.547493779800981	0.00112479669769043	0.720818628246641
KIRC	PRMT7	cg06089844	-0.0760102177185672	325	-1.3679119083098	0.172293509731796	0.00577755319762398	0.346780194460049
KIRC	PRMT7	cg06092312	-0.154191281170865	325	-2.80035299577399	0.00541302678209293	0.0237749511891128	0.0264294863168354
KIRC	PRMT7	cg06745885	-0.0349373216678184	325	-0.627310792948629	0.530900090709477	0.00122061644532061	0.708650188854911
KIRC	PRMT7	cg09175928	-0.177558652207402	325	-3.23762118875545	0.00133085873306971	0.0315270749737092	0.00851071305223385
KIRC	PRMT7	cg09779635	0.108611928152401	325	1.96056965648878	0.050791092063019	0.0117965509369824	0.14598545096987
KIRC	PRMT7	cg10233539	-0.0939967869480247	325	-1.69421316536112	0.0911917064385393	0.00883539595655234	0.22291879118526
KIRC	PRMT7	cg10446007	-0.0706694141967074	325	-1.27129580410681	0.204540984413005	0.00499416610290578	0.388710921666744
KIRC	PRMT7	cg11893236	-0.0691244961382285	542	-1.60568067454518	0.108931951559726	0.00477819596636397	0.253136548664376
KIRC	PRMT7	cg19328639	0.137660664623832	325	2.49397633549407	0.0131333102960281	0.018950458584675	0.0527325285764753
KIRC	PRMT7	cg21918026	-0.00066345353220833	542	-0.0153743848836799	0.987739209142259	4.40170589399719e-07	0.993460347477735
KIRC	PRMT7	cg26492318	-0.156082737709664	325	-2.83555722573239	0.00486394386010441	0.0243618210109436	0.024236846570136
KIRC	PRMT7	cg26561196	-0.0992768849373999	325	-1.7903043852878	0.0743443689046118	0.00985589988287373	0.192616952334716
KIRC	PRMT7	cg26796563	-0.144420449766134	325	-2.61898871061094	0.00923629336426155	0.0208572663106525	0.0401009156144304
KIRC	PRMT8	cg01693063	-0.0754671501552678	325	-1.35808245255863	0.175388335157018	0.00569529075255774	0.351083553642411
KIRC	PRMT8	cg06029846	-0.0480874758920965	324	-0.862555823618531	0.389025672362248	0.00231240533767296	0.586666507042136
KIRC	PRMT8	cg07912789	-0.0617366498074624	325	-1.10994181653274	0.267852302315438	0.00381141392944924	0.463560388350775
KIRC	PRMT8	cg10350722	-0.232049013379581	325	-4.28081951805051	2.45976505386919e-05	0.0538467446104369	0.000286975048891271
KIRC	PRMT8	cg11596580	-0.0244888495782065	325	-0.439568519947907	0.660544504689606	0.000599703753664025	0.802511786121744
KIRC	PRMT8	cg19656577	-0.0647044726991267	325	-1.16351843891677	0.245480674861365	0.00418666878727203	0.438383505328622
KIRC	PRMT8	cg21667836	-0.0502616915277291	542	-1.16620125079695	0.244050757064636	0.00252623763522859	0.43674368188186
KIRC	PRMT8	cg23739862	-0.10430879535395	542	-2.43043299417422	0.0154072659536672	0.0108803247881922	0.0596255520644505
KIRC	PRMT8	cg24100636	-0.0937461459101753	325	-1.68965546290707	0.0920617874878992	0.00878833987301188	0.224425128347757
KIRC	PRMT8	cg27316886	-0.12218210202702	325	-2.20903015161681	0.027876284745086	0.0149284660557412	0.0934784988775041
KIRC	PWWP2E	cg00259755	0.00454838537161466	542	0.105402009128808	0.916096180377577	2.06878094887182e-05	0.955716236024627
KIRC	PWWP2E	cg05010219	-0.0425388936785043	325	-0.764024742367639	0.445411977001358	0.00180955747539109	0.637377296351328
KIRC	PWWP2E	cg15012692	-0.183429729480843	325	-3.34834069902656	0.000909364986902859	0.0336464656574154	0.00620307545599195
KIRC	PWWP2E	cg15278699	-0.264277120944112	325	-4.91710217197942	1.40249480457149e-06	0.0698423966545089	2.30521193380171e-05
KIRC	PWWP2E	cg17803807	-0.00383794541980948	217	-0.0560133818786957	0.955383653368744	1.47298250454366e-05	0.976240160906952
KIRC	PWWP2E	cg19919881	0.0651038503118507	325	1.17073053806794	0.24257278066718	0.00423851132542786	0.434999352233066
KIRC	PWWP2E	cg22633292	-0.0682653111492976	325	-1.227841518026	0.220403257621778	0.00466015270631041	0.408599266578381
KIRC	PWWP2E	cg22664157	0.0439062054454064	324	0.787403665316304	0.431626600230536	0.00192775487661423	0.625497554829074
KIRC	PWWP2E	cg24520806	0.00222550002168511	325	0.0399352690051369	0.9681694818899	4.95285034652041e-06	0.983312139983066
KIRC	PYGO1	cg06364757	-0.265168204019157	325	-4.93493320370572	1.2884699470289e-06	0.0703141764227454	2.14132089423555e-05
KIRC	PYGO1	cg09275667	-0.211303129157327	325	-3.87929124153665	0.000127047162599813	0.0446490123916782	0.0011829451786104
KIRC	PYGO1	cg11480800	-0.277109881031472	325	-5.17523018207974	4.01389261427134e-07	0.0767898861652766	7.56619244086805e-06
KIRC	PYGO1	cg12686317	-0.183112248365968	325	-3.3423441340983	0.000928560806230576	0.03353009550164	0.00631272038450594
KIRC	PYGO1	cg13878116	-0.298419839024042	325	-5.6106012798733	4.34867704240564e-08	0.0890544003231354	1.03171998120434e-06
KIRC	PYGO1	cg17841803	-0.165089982102266	325	-3.00364834752472	0.002876723124481	0.0272547021905265	0.0159191776032063
KIRC	PYGO1	cg19850348	-0.186740034523887	542	-4.40485973892002	1.2781946588528e-05	0.0348718404939824	0.000162185410684708
KIRC	PYGO1	cg22510134	-0.291666390399859	325	-5.47167405342512	8.97230903919476e-08	0.0850692832888829	1.96562041508059e-06
KIRC	PYGO1	cg23030278	-0.263574923537605	325	-4.90306038058999	1.49909082017929e-06	0.0694717403178543	2.44486941855404e-05
KIRC	PYGO1	cg23412777	-0.241995537639178	542	-5.77961090306404	1.2703772937337e-08	0.0585618402372748	3.40081662727871e-07
KIRC	PYGO1	cg25902187	-0.13716479999602	325	-2.48482025953983	0.0134692659806656	0.0188141823579481	0.0537706202955765
KIRC	PYGO2	cg01277844	0.0553479381646885	542	1.28456125455077	0.19949949805606	0.00306339425908218	0.382289316508239

KIRC	PYGO2	cg02341811	-0.0297745599075618	325	-0.534522361619048	0.593349055152974	0.000886524417688988	0.75540457240112
KIRC	PYGO2	cg04602755	-0.0554035106690785	325	-0.995709819107112	0.320138809371865	0.0030695489944587	0.519558337515439
KIRC	PYGO2	cg10892866	-0.0403161735745145	542	-0.935017385475339	0.350199601071247	0.00162539385169038	0.54920729292887
KIRC	PYGO2	cg14024356	0.000520943851857194	325	0.00934800447584859	0.992547269038564	2.7138249678781e-07	0.996063848274227
KIRC	PYGO2	cg18188585	-0.0246563465711452	325	-0.442576870346584	0.658368960903494	0.000607935426236422	0.801226448024112
KIRC	PYGO2	cg24683561	-0.0856597386866494	325	-1.54277961930857	0.12386641967603	0.00733759083186507	0.276715511365393
KIRC	PYGO2	cg27105205	-0.062363091914043	325	-1.12124815316699	0.263017735617639	0.00388915523307938	0.458387867050583
KIRC	RBBP4	cg05797186	-0.166965985967993	325	-3.0387535281507	0.00257010014060047	0.0278776404702641	0.0145494200397709
KIRC	RBBP4	cg06526778	-0.057066266307381	325	-1.02568900791005	0.305808098679228	0.00325655875026493	0.504317511390248
KIRC	RBBP4	cg09036220	-0.0102550749844737	325	-0.184030418578729	0.854105429860845	0.000105166562937179	0.92216741958416
KIRC	RBBP4	cg11229946	0.0552103406281452	325	0.992227541179682	0.321831562973339	0.00304818171227582	0.521277893669789
KIRC	RBBP4	cg13641837	-0.0317928180435184	324	-0.569903259009359	0.569141945811329	0.00101078327914827	0.737426567386395
KIRC	RBBP4	cg16148416	0.00297232775326369	325	0.053336750228841	0.957496674206414	8.83473227282157e-06	0.977603174439112
KIRC	RBBP4	cg16396527	-0.101873800556267	325	-1.83762052559867	0.067039569996057	0.0103782712397781	0.178643358816068
KIRC	RBBP4	cg18758482	0.0444048627517287	542	1.03002144449217	0.303463632380742	0.00197179183599986	0.501960114493345
KIRC	RBBP4	cg20740619	0.0787819972550341	325	1.41810003956214	0.157128591990579	0.00620660309149219	0.3258252928168
KIRC	RBBP4	cg22358606	0.0916650929522854	322	1.64411280104864	0.101138013614556	0.00840248926595113	0.240183485900568
KIRC	RBBP4	cg22857567	0.0191374388834461	324	0.342938209366925	0.731869414574408	0.000366241567017636	0.848573652841516
KIRC	RBBP4	cg23016766	-0.0144320220933244	325	-0.25900035165136	0.795800461394804	0.000208283261702204	0.888198838972216
KIRC	RBBP4	cg26131911	0.0487450295141043	542	1.13092564748035	0.25859120847485	0.00237607790233089	0.453249097711832
KIRC	RBBP5	cg00960017	0.0662778970718745	325	1.19193516570837	0.234164382615522	0.00439275964026999	0.425114559314646
KIRC	RBBP5	cg02189925	0.181533697752031	325	3.312544582807	0.00102967345403476	0.0329544834195259	0.00687928690168156
KIRC	RBBP5	cg03143531	0.0252086928488937	325	0.452497619442775	0.651215238543829	0.000635478195149864	0.796062764456994
KIRC	RBBP5	cg05290904	-0.0359955404880835	542	-0.834674945499996	0.404271915154769	0.00129567893502926	0.600693257579957
KIRC	RBBP5	cg07601985	0.20000989688316	325	3.66306569103064	0.000291275193585086	0.0400039599733304	0.00238471360729395
KIRC	RBBP5	cg07972983	0.200167559161073	325	3.66607360387226	0.000288008710526175	0.0400670517405015	0.00236144072793774
KIRC	RBBP5	cg14717946	-0.0117470284497456	542	-0.272235733725957	0.785545408090324	0.000137992677399132	0.881663172521442
KIRC	RBBP5	cg18131828	-0.00081147025922291	325	-0.0145613179930913	0.98839117756984	6.58483981603296e-07	0.993899251141682
KIRC	RBBP5	cg21214746	-0.0808158826662445	325	-1.45494823391476	0.14665772904285	0.0065312068911242	0.311018492848443
KIRC	RBBP5	cg23227967	0.159295249708377	325	2.89542274751159	0.00404526822455356	0.0253749765796542	0.0209240423045824
KIRC	RBBP5	cg24103461	0.0838225346023847	325	1.50945382963536	0.132163444063135	0.00702621730716797	0.289427585858427
KIRC	RBBP5	cg26795850	0.0432644670972042	325	0.777080721501707	0.437681642864067	0.00187181411320507	0.630560497147436
KIRC	RBBP7	cg01947226	-0.0775526749818338	325	-1.39583690164955	0.163725297073821	0.00601441739683795	0.33488932665214
KIRC	RBBP7	cg03048084	-0.110082040497623	325	-1.98743019167627	0.0477215797051505	0.0121180556401203	0.139451979641601
KIRC	RBBP7	cg03171708	-0.060657543126344	325	-1.09046864604278	0.276322096595122	0.00367933753812429	0.472881169488839
KIRC	RBBP7	cg03811055	-0.0915731400303065	325	-1.65015461566637	0.0998863672203974	0.00838563997501013	0.238058127285876
KIRC	RBBP7	cg07096248	-0.0861769502576507	325	-1.55216437429647	0.121605176547245	0.0074264667557096	0.27316219404933
KIRC	RBBP7	cg08363715	-0.0695558932299936	325	-1.25116613444842	0.211782130686125	0.00483802228302228	0.397888740420615
KIRC	RBBP7	cg14719055	-0.139981534110531	542	-3.27608450196467	0.00112052129239761	0.0195948298919378	0.00738039399041397
KIRC	RBBP7	cg15289846	-0.0807800660036252	325	-1.45429918144061	0.146837407125093	0.00652541906355004	0.311272255978241
KIRC	RBBP7	cg15464143	0.0249438285320488	325	0.4477403126394	0.654641696345891	0.000622194581836251	0.798576520256288
KIRC	RBBP7	cg16978043	-0.101050200624658	325	-1.82261036544709	0.0692897177345655	0.0102111430462836	0.18297716492219
KIRC	RBBP7	cg17878446	-0.0670064729281338	325	-1.20509657378695	0.229050924441955	0.00448986741426873	0.41902504759016
KIRC	RBBP7	cg17880859	-0.0631211010970884	542	-1.46564439385376	0.143330456017755	0.00398427340370886	0.306175019416153
KIRC	RBBP7	cg21122900	-0.0654314468580444	325	-1.17664681150833	0.240205595237218	0.00428127423793709	0.432138987000697
KIRC	RING1	cg01241018	-0.198117367723879	325	-3.62698199326885	0.000333277669700126	0.0392504913938389	0.00266793610173406
KIRC	RING1	cg01878788	-0.0169343139057264	325	-0.30391897944082	0.761385913889796	0.000286770987457678	0.86731435557058
KIRC	RING1	cg02475416	-0.11874470505825	325	-2.1459807545226	0.0326216607080067	0.0141003049793708	0.105057520827897
KIRC	RING1	cg03037740	-0.166515802508057	325	-3.03032628061382	0.00264083740583069	0.0277275124849023	0.0148687345407247
KIRC	RING1	cg06316695	-0.0236019180374361	325	-0.423639287934298	0.672111737562776	0.000557050535045849	0.810169800342581
KIRC	RING1	cg06671577	-0.256484392660475	325	-4.76173568600013	2.90605256915545e-06	0.0657842436784126	4.39217494509601e-05
KIRC	RING1	cg07946923	-0.0777567342846669	325	-1.39953198796347	0.162616137545427	0.00604610972661629	0.333242711243058
KIRC	RING1	cg08892712	-0.065075805231401	325	-1.17022407189619	0.242776188200775	0.00423486042651523	0.435283845787897
KIRC	RING1	cg09478665	-0.0485474380490669	324	-0.870825666308416	0.384500126078723	0.00235685374112799	0.582657831989445
KIRC	RING1	cg09724776	-0.111496603375287	325	-2.01328824109696	0.0449161062056804	0.0124314925642261	0.133392004816366
KIRC	RING1	cg09832551	-0.0864744786348671	325	-1.55756357089048	0.120319019896345	0.00747783545517209	0.271212848684986
KIRC	RING1	cg09869033	-0.243389495016506	325	-4.50287597490442	9.38462761576003e-06	0.05923844628439	0.000123866257336348

KIRC	RING1	cg10265934	-0.098834516500758	325	-1.78224808562483	0.0756509626895233	0.00976826165193861	0.195074115531465
KIRC	RING1	cg12065531	-0.00852100118523344	325	-0.152909450861749	0.878565456662284	7.26074611987496e-05	0.935493034979274
KIRC	RING1	cg12115664	-0.0948066014573609	325	-1.70894120654803	0.0884253968668776	0.00898829167989487	0.218192829126205
KIRC	RING1	cg12256228	0.0407308924325125	542	0.944651495126706	0.345261656171253	0.00165900559834891	0.544448650602771
KIRC	RING1	cg14046664	0.149785324296603	325	2.71846985058193	0.00691377098790701	0.0224356433746384	0.0320970281215754
KIRC	RING1	cg14363494	0.111402179272999	542	2.59772148088856	0.00964197179661883	0.0124104455467733	0.0414115582148824
KIRC	RING1	cg18189601	0.0257571583840199	542	0.597075431847606	0.550708673982553	0.000663431208019487	0.723239762708467
KIRC	RING1	cg20505183	-0.115950632173029	325	-2.09478910467117	0.0369708285602086	0.013444549101325	0.115516838624362
KIRC	RING1	cg24536938	0.011516048140325	325	0.206661799831701	0.836404609383278	0.000132619364770283	0.912417934771538
KIRC	RING1	cg24550302	0.00504605305450691	325	0.0905493375626359	0.92790698882232	2.54626514288986e-05	0.962000030497536
KIRC	RNF17	cg00202166	-0.661993034382757	325	-15.8490753743732	3.18750296812003e-42	0.43823477757129	1.38529947431246e-39
KIRC	RNF17	cg01405147	-0.00977811017109995	325	-0.175470302508736	0.860820394634764	9.56114385181683e-05	0.926041094934893
KIRC	RNF17	cg07131398	-0.403401076475005	318	-7.82456484984934	7.78109238398396e-14	0.162732428501193	5.22279810974675e-12
KIRC	RNF17	cg12020676	-0.294245693753066	325	-5.52462645676341	6.81914878901966e-08	0.0865805282922234	1.53898712182476e-06
KIRC	RNF17	cg14855529	-0.204612767856399	325	-3.75100486530975	0.000208818936629197	0.0418663847698565	0.00179998452699521
KIRC	RNF17	cg15523998	-0.152041605162082	325	-2.76038099064074	0.00610419555062409	0.0231166497002625	0.0290813759976269
KIRC	RNF17	cg17806989	-0.788724506709334	542	-29.7314566404825	1.47654069836371e-115	0.622086347483882	6.38144483825035e-112
KIRC	RNF17	cg20477497	-0.344087486623226	325	-6.57597400446425	1.95238426099962e-10	0.118396198450689	7.3619890308002e-09
KIRC	RNF17	cg21831927	-0.0741296274741349	325	-1.33387862161242	0.183186315371947	0.00549520166945402	0.361282702954626
KIRC	RNF17	cg23678722	-0.237351371970678	325	-4.38440751544104	1.57685808910801e-05	0.0563356737763632	0.000194714441562013
KIRC	RNF17	cg24753530	-0.39357595900961	325	-7.68250710129893	1.89518915387089e-13	0.154902035510334	1.20158390412577e-11
KIRC	RNF20	cg04845236	0.00134245526337273	325	0.0240895201491477	0.980796123986113	1.80218613415715e-06	0.990066386575959
KIRC	RNF20	cg14625770	0.0504063643043519	325	0.905661153380991	0.365792390060228	0.00254080156238304	0.564645776382432
KIRC	RNF20	cg21219529	0.106558635341075	325	1.92307553198135	0.0553522279503091	0.0113547427657521	0.155321247585598
KIRC	RNF217	cg00991794	-0.0641956677858246	325	-1.15433107649908	0.249220446423185	0.00412108376246795	0.4427003843595
KIRC	RNF217	cg02312409	-0.1080661212818	325	-1.95060050089111	0.0519718372944368	0.0116782865688926	0.148425004055926
KIRC	RNF217	cg03113502	-0.244286841642344	325	-4.52052904656169	8.67803879557183e-06	0.0596760609995917	0.000115401598301319
KIRC	RNF217	cg06993703	-0.138067863257561	325	-2.50149663435579	0.0128629648698677	0.0190627348645084	0.051925768724326
KIRC	RNF217	cg07439975	-0.0561798283026437	325	-1.00970563858069	0.313394466536958	0.00315617310811452	0.512469757897497
KIRC	RNF217	cg10621825	-0.0649806818760786	325	-1.16850625973952	0.243466995159616	0.00422248901708013	0.436130409446605
KIRC	RNF217	cg16203203	-0.110173319017114	325	-1.98909838192939	0.0475362264285362	0.0121381602232467	0.139112711085338
KIRC	RNF217	cg17382198	-0.125413500942441	325	-2.26837463536703	0.0239681771990384	0.0157285462186395	0.0835076282569365
KIRC	RNF217	cg18192252	-0.0936757459018921	325	-1.68837535462792	0.0923073660800833	0.00877514537027585	0.224896938203382
KIRC	RNF217	cg19171596	-0.0914704399248978	325	-1.64828832863512	0.100268848178419	0.00836684138005434	0.238703082847203
KIRC	RNF217	cg19478500	-0.100534733442692	325	-1.81321787215611	0.0707291691663427	0.0101072326283932	0.185763166310819
KIRC	RNF217	cg20034100	0.0591343383286301	542	1.37273766826378	0.170406914735438	0.0034968699695649	0.344211968034915
KIRC	RNF217	cg23521835	-0.136855734565988	325	-2.4791143701386	0.0136824656578895	0.0187294920835961	0.054423444799563
KIRC	RNF217	cg24822696	-0.0806841713198486	325	-1.45256145163502	0.147319297890128	0.00650993550157067	0.312030206650456
KIRC	RPA3	cg26322315	-0.319750473554008	217	-4.92516699816241	1.68947658286389e-06	0.102240365338012	2.72114164155928e-05
KIRC	RPH3A	cg00851732	-0.101811465328516	325	-1.83648432902965	0.0672077544383354	0.0103655744723395	0.178949243549162
KIRC	RPH3A	cg00854817	0.050347946239219	325	0.904608875425061	0.366348941620106	0.00253491569050729	0.565235706637998
KIRC	RPH3A	cg01119407	-0.038322712538515	325	-0.688182018530572	0.491833630769898	0.00146863029630966	0.677394002915119
KIRC	RPH3A	cg01573562	-0.0926261252959678	542	-2.1557168400154	0.0315493391806193	0.00857959908734432	0.10248232879106
KIRC	RPH3A	cg05967001	-0.0177308865260346	325	-0.318219408900544	0.750524797323766	0.000314384336999116	0.86019102603284
KIRC	RPH3A	cg08254200	-0.0319245768847644	325	-0.573158200568867	0.566937623987503	0.00101917860927124	0.73578567903322
KIRC	RPH3A	cg09384610	-0.0393879102541041	325	-0.70733967900277	0.479867018940235	0.00155140747418535	0.667169011535129
KIRC	RPH3A	cg11596863	0.0806631682317884	325	1.45218085522662	0.147425003249774	0.0065065467091898	0.312152110797553
KIRC	RPH3A	cg16403344	-0.039081137159499	325	-0.701822097254318	0.483297069683025	0.00152733528167957	0.670177220351174
KIRC	RPH3A	cg17453780	0.0573349303400234	325	1.03053376962256	0.30353293776437	0.00328729423709534	0.502020608904698
KIRC	RPH3A	cg18629535	-0.0274992552804661	325	-0.49364317773794	0.621894731696754	0.000756209040980244	0.775989024757792
KIRC	RPH3A	cg19712198	-0.041353462451472	325	-0.742696670977342	0.458206808983013	0.0017101088567253	0.648230469509683
KIRC	RPH3A	cg20704159	-0.0480907531016677	325	-0.86395733577563	0.388254430099086	0.00231272053388556	0.586050392625408
KIRC	RPH3A	cg21900624	0.0812852758622835	325	1.46345487883602	0.144318414797475	0.00660729607200753	0.307591966048076
KIRC	RPH3A	cg23199238	-0.0697120156442713	322	-1.24813292200089	0.21289771502873	0.00485976512518712	0.399242234185349
KIRC	RPH3A	cg23549179	-0.0202628214601878	325	-0.363677998860198	0.716337134358461	0.000410581933527446	0.838740100695085
KIRC	RPH3A	cg23596620	-0.0247502858392414	325	-0.444264094464045	0.657150082954706	0.000612576649124153	0.800305070426179
KIRC	RTF1	cg04910470	-0.00344489941534157	325	-0.0618168767173937	0.950747015527679	1.18673319818207e-05	0.973984215096003

KIRC	RTF1	cg07091958	0.103846515271469	542	2.41954401031311	0.0158710996744185	0.0107840987340275	0.060932553327331
KIRC	RTF1	cg07129439	0.149625785179432	325	2.71550801351105	0.00697449415307613	0.0223878755905616	0.0323075978411578
KIRC	RTF1	cg15581235	0.110485609206774	325	1.99480612840257	0.0469066297797539	0.012207069841792	0.137710557667981
KIRC	RTF1	cg18782716	0.174147306142122	325	3.17345327860279	0.00165172723096459	0.0303272842365581	0.010172139661626
KIRC	RTF1	cg22263512	0.0979130526221497	325	1.76547004405856	0.0784325321389674	0.00958696587378785	0.200071495728066
KIRC	RTF1	cg24280607	0.190897784442822	325	3.48971439578472	0.000550898847881805	0.0364419641051783	0.00407072805586219
KIRC	RTF1	cg27576415	0.225554182342785	325	4.15448354070491	4.18171022399646e-05	0.0508746891723222	0.00045498176946235
KIRC	SATB1	cg01069104	-0.186872564799594	325	-3.41343886757661	0.000723453667979724	0.0349213554747785	0.00512571535945489
KIRC	SATB1	cg01373248	0.153110319520677	325	2.78024807547068	0.00575126367788742	0.0234427699437237	0.0277276776498249
KIRC	SATB1	cg04004754	-0.0877638557644993	325	-1.58096654922961	0.114867428405137	0.00770249437865184	0.262725461684851
KIRC	SATB1	cg14415616	-0.292560506796116	325	-5.49001516285251	8.16067682818705e-08	0.0855916501368003	1.80972546514248e-06
KIRC	SATB1	cg19818826	-0.215344531420439	324	-3.95091016783194	9.576588344968e-05	0.0463732672126883	0.000928003380304485
KIRC	SATB1	cg26131754	-0.267888149271497	325	-4.98944509618692	9.92742170647751e-07	0.0717640605201079	1.70033871473737e-05
KIRC	SATB1	cg26768584	-0.00384967496686403	325	-0.0690804593898774	0.944968453645269	1.48199973504996e-05	0.970546805457876
KIRC	SCML2	cg00457389	-0.0338181872873914	325	-0.607192988113021	0.544150765530689	0.00114366979140508	0.718365854079575
KIRC	SCML2	cg04189389	-0.0120708731774045	325	-0.216619857017695	0.828641783912315	0.000145705979264984	0.907891259506928
KIRC	SCML2	cg05049545	0.0320679740175775	325	0.575735326657883	0.565196232104238	0.00102835495759203	0.734712602227707
KIRC	SCML2	cg06131666	-0.0241528847162501	325	-0.433534493014627	0.664916805472768	0.000583361840116466	0.805475950405089
KIRC	SCML2	cg08300622	0.0436895893856501	542	1.01339787277768	0.311326533716166	0.00190878022068671	0.510197697047293
KIRC	SCML2	cg17710066	-0.0223247097983781	325	-0.400702460829912	0.688904938321224	0.0004983926675818	0.821151757574765
KIRC	SCML2	cg17727916	0.00653848361230065	325	0.117331401714636	0.906670592226056	4.27517679483242e-05	0.950637932659898
KIRC	SCML2	cg22823767	-0.00617795322466788	325	-0.110861522771364	0.911795224847333	3.81671060461843e-05	0.953147573136012
KIRC	SCML2	cg26246138	0.0437792963903935	542	1.01548265505335	0.310333113833842	0.00191662679243792	0.509154172802216
KIRC	SCML4	cg00977377	0.0839898671070715	325	1.51248849482331	0.131390453092114	0.00705429777666353	0.288226853561401
KIRC	SCML4	cg03500965	-0.286467533949524	316	-5.30669835245133	2.10947755653222e-07	0.0820636480071217	4.24591712892284e-06
KIRC	SCML4	cg05603896	-0.297073571365361	325	-5.58283396221895	5.03164785888511e-08	0.0882527068037703	1.17335735471855e-06
KIRC	SCML4	cg08792995	-0.192960402622292	325	-3.52887029713591	0.000478084374967844	0.0372337169801569	0.00360562454891795
KIRC	SCML4	cg17388996	-0.245045788474807	325	-4.53546908272312	8.12021540772246e-06	0.0600474384492398	0.000108895714088668
KIRC	SCML4	cg23503775	-0.270327001468129	325	-5.03843268405735	7.83858688111908e-07	0.0730766877227499	1.37651247817106e-05
KIRC	SCML4	cg27353361	-0.185332292839125	325	-3.38429899951036	0.000801794460541364	0.0343480587690073	0.00557837806403371
KIRC	SCML4	cg27659622	-0.203134991843356	325	-3.7227435479373	0.000232552695341403	0.0412638249112004	0.00196921784928585
KIRC	SETD1A	cg26692825	-0.0776593939630556	325	-1.39776933669719	0.16314452277371	0.00603098147070908	0.333991184333106
KIRC	SETD6	cg01152986	-0.136179567840379	325	-2.46663371782581	0.0141592720764746	0.0185448746971923	0.0558176959520251
KIRC	SETD6	cg01472538	-0.0305338160945887	325	-0.548165331365237	0.583958200187993	0.000932313925298161	0.748752841758597
KIRC	SETD6	cg01773760	-0.04540804152514	325	-0.8156595075045	0.415297837166008	0.00206189023514884	0.610949725703928
KIRC	SETD6	cg02549819	-0.00459878124506413	322	-0.0821377279598058	0.934588704747524	2.11487889399536e-05	0.965222617950599
KIRC	SETD6	cg05502081	0.0604353484127203	325	1.08645947900794	0.278088401400364	0.00365243133776689	0.474904696884491
KIRC	SETD6	cg09132913	-0.111917430627573	325	-2.02098329976234	0.0441087032423734	0.0125255112782777	0.131642463747303
KIRC	SETD6	cg19824325	0.00933784626907531	542	0.216397778306969	0.828759876835386	8.71953729448838e-05	0.907923361993663
KIRC	SETD6	cg26666090	-0.0467650898371759	325	-0.840088663425895	0.401482004949982	0.00218697362747913	0.598044827057518
KIRC	SETD7	cg05316864	0.077823549891545	325	1.40074191700903	0.162254191758914	0.0060565049177218	0.332878045140773
KIRC	SETDB1	cg02060408	-0.144612958125501	325	-2.62255426468036	0.00914224119950785	0.020912907657808	0.0398058718237261
KIRC	SETDB1	cg08531528	-0.0697191934867729	325	-1.25411789811695	0.210708813428517	0.00486076594044608	0.396465870887848
KIRC	SETDB1	cg10589385	-0.00163022471537762	325	-0.0292533755109024	0.976680634355877	2.65763262262803e-06	0.987701079857019
KIRC	SETDB1	cg10961700	-0.153698491738131	325	-2.79118628022907	0.00556494062253733	0.0236232263625764	0.0270202840338078
KIRC	SETDB1	cg12082615	-0.0615360439075024	535	-1.41935599400801	0.156383110204612	0.00378668469978607	0.324785903477093
KIRC	SETDB1	cg15448220	0.133448633952517	325	2.4162618171157	0.0162366804852086	0.0178085379037927	0.0620025683126996
KIRC	SETDB1	cg16370685	-0.157215323842271	324	-2.85221321414989	0.00462312098854575	0.0247166580508303	0.023281400452028
KIRC	SETDB1	cg17899625	-0.158011198316489	325	-2.87148310385867	0.0043562574366702	0.0249675387934128	0.0222310870525008
KIRC	SETDB1	cg17918089	0.0364844002420938	542	0.846025774070338	0.397915193485771	0.00133111146102529	0.594541816124252
KIRC	SETDB1	cg19689029	-0.166835687482423	325	-3.03631419380506	0.00259039448037603	0.0278341466177326	0.0146408855133953
KIRC	SETDB1	cg26820223	-0.221365938606355	325	-4.07332564869708	5.84059403413053e-05	0.0490028787750727	0.000607441451309223
KIRC	SETMAR	cg00300090	-0.1054125426284	325	-1.90215817627371	0.0580425772712553	0.0111118041433843	0.160683401168643
KIRC	SETMAR	cg02520519	0.0214785735137035	325	0.385508155342727	0.700115513810466	0.000461329120183564	0.82822320648061
KIRC	SETMAR	cg06021447	-0.0484612408475701	325	-0.870628809733683	0.384605456435831	0.0023484918644862	0.582735994039597
KIRC	SETMAR	cg06267913	-0.159513322508865	325	-2.89948995501851	0.00399449134343623	0.0254445000578173	0.0207220231775992
KIRC	SETMAR	cg14751177	-0.171358126541933	325	-3.12107608532617	0.0019651297769221	0.0293636075319611	0.0117217685834901

KIRC	SETMAR	cg14961031	-0.189716544256668	325	-3.46731185759315	0.000597100326853008	0.0359923671646923	0.00435789687843164
KIRC	SETMAR	cg15232450	-0.0836803599401936	542	-1.94597198454011	0.0521793922257452	0.00700240263972035	0.148842902567088
KIRC	SETMAR	cg15384599	-0.103198255828329	542	-2.40427696046628	0.0165421470547903	0.0106498800060092	0.0629007311022508
KIRC	SETMAR	cg16423812	-0.127129417080825	325	-2.29991703780429	0.0220921678059398	0.0161618886873103	0.0785124761213009
KIRC	SETMAR	cg21901604	-0.168155099486131	325	-3.06102265770332	0.00239147037345458	0.0282761374831906	0.0137361227283318
KIRC	SETMAR	cg22149154	-0.106498262075731	325	-1.92197346590956	0.0554913210548499	0.011341879825151	0.155569275654654
KIRC	SETMAR	cg23182840	-0.334024330441476	325	-6.35909014006066	6.94972852771014e-10	0.111572253326876	2.36296844879669e-08
KIRC	SETMAR	cg23549342	-0.241677507560154	325	-4.46923090530192	1.08871381795618e-05	0.0584080176604883	0.000141276735202807
KIRC	SETMAR	cg24390964	-0.163146843913287	325	-2.96732222971674	0.00322902628077668	0.0266168926788663	0.0174868688121644
KIRC	SETMAR	cg26797270	-0.110145796242338	325	-1.98859537514975	0.0475920515679995	0.0121320964298586	0.139209530837871
KIRC	SETMAR	cg27265118	-0.200711529356368	325	-3.67645404143978	0.000276998796733853	0.040285118016572	0.00228513726332061
KIRC	SFMBT2	cg09060610	0.00665232804235162	325	0.11937440028004	0.905053183381042	4.42534683830577e-05	0.949667578244084
KIRC	SFMBT2	cg12328063	-0.106074106676229	325	-1.91423145095999	0.0564767203700983	0.0112517161071599	0.157559619310433
KIRC	SFMBT2	cg20299663	-0.0658375048021091	325	-1.18398059955298	0.237294006093364	0.00433457703856774	0.428715249077479
KIRC	SFMBT2	cg25291138	-0.122422810156094	325	-2.21344826138739	0.0275674043823373	0.014987344446515	0.092678420765754
KIRC	SHPRH	cg00571935	-0.178042759495616	325	-3.24673701854207	0.00129027881574456	0.0316992242088138	0.00829372766835735
KIRC	SHPRH	cg02758840	0.0590061604415016	325	1.06067579523165	0.289632186569081	0.00348172697004823	0.487107538956137
KIRC	SHPRH	cg06708562	0.190281686518768	325	3.47802797702618	0.000574565687771684	0.0362071202244266	0.0042166079650078
KIRC	SHPRH	cg11387577	0.157208884272671	325	2.85653248498495	0.00456136279997654	0.024714633294258	0.0230345120195635
KIRC	SHPRH	cg11675148	-0.0273295202561719	325	-0.490593954797155	0.62404780873394	0.000746902677432509	0.777342011732194
KIRC	SHPRH	cg12989205	0.154782117924707	325	2.8113463796826	0.00523580676784981	0.023957504029258	0.0257191609331381
KIRC	SHPRH	cg14102550	0.0357328877111329	325	0.641613494850036	0.521580622554964	0.00127683926417643	0.701531624485074
KIRC	SHPRH	cg15443174	0.113888853152314	325	2.0570465830448	0.0404868833251321	0.0129706708723494	0.123443290759374
KIRC	SHPRH	cg16339435	0.0746028498658604	325	1.34244122692744	0.180398632661358	0.00556558520810811	0.357531807247332
KIRC	SHPRH	cg18099523	-0.0218571397332399	325	-0.392306070232188	0.695091620829031	0.000477734557318376	0.825178659404451
KIRC	SHPRH	cg26814539	-0.00184779430965824	325	-0.0331575400306718	0.973569501189531	3.41434381080537e-06	0.986166048168107
KIRC	SHPRH	cg27398948	-0.0763782654837912	325	-1.3745742228866	0.170219320823533	0.0058336394383125	0.343940205297159
KIRC	SIN3A	cg01088093	0.153601997898565	325	2.78939158184877	0.00559513154952632	0.0235935737584306	0.0271414643489338
KIRC	SIN3A	cg01664094	0.16927587816815	325	3.08202463310924	0.00223353803101989	0.0286543229295983	0.0129881789195068
KIRC	SIN3A	cg02028562	0.0636432665329311	325	1.14435752914183	0.25332533200904	0.00405046537498171	0.447382312787997
KIRC	SIN3A	cg07544511	0.0150577854748613	325	0.270232937574217	0.787154170188821	0.000226736903406943	0.882742850161008
KIRC	SIN3A	cg10483776	0.0874485851191355	325	1.57524346049634	0.116182214072959	0.00764725503933869	0.264788163168448
KIRC	SIN3A	cg11184237	-0.0380420314361081	324	-0.682072749261352	0.495684804110383	0.00144719615578583	0.680561650005526
KIRC	SIN3A	cg15851274	-0.089689675683877	325	-1.615936301014	0.107087389653305	0.00804423792427903	0.250157643418525
KIRC	SIN3A	cg22059910	0.100029044967904	325	1.80400499319205	0.0721649413835832	0.0100058098371909	0.188452482376451
KIRC	SIN3A	cg25697800	0.0249291943854556	325	0.447477467137835	0.654831225326365	0.000621464732707833	0.798713395155836
KIRC	SIN3B	cg06815056	-0.0840235969177584	325	-1.51310021872207	0.131235061858705	0.00705996483899794	0.287991316168052
KIRC	SIRT1	cg02720207	-0.148075974632416	325	-2.68674709690596	0.00758965430686744	0.0219264942633399	0.0345219883732939
KIRC	SIRT1	cg03211233	-0.0962909466145399	325	-1.73594580093779	0.0835299809361191	0.00927194639992417	0.209259373875131
KIRC	SIRT1	cg07832903	-0.114159085608647	325	-2.06199186077971	0.0400105500361111	0.0130322968270023	0.122494322294736
KIRC	SIRT1	cg10582690	0.062182116625729	325	1.1179816857027	0.264408212584502	0.00386661562805577	0.459984745632749
KIRC	SIRT1	cg10705386	-0.0976859335470488	325	-1.76133535922804	0.0791307000398746	0.00954254161295844	0.201423129340423
KIRC	SIRT1	cg19192316	0.0582342509472706	542	1.35177149366203	0.177017519311217	0.00339122798338969	0.353184994203162
KIRC	SIRT1	cg19681528	0.138198962039595	325	2.50391809138911	0.0127769754879159	0.0190989531088214	0.0516644332401335
KIRC	SIRT1	cg19980381	0.0560214110185339	325	1.00684946891002	0.314763118813937	0.00313839849250751	0.513843162483977
KIRC	SIRT1	cg25513531	-0.0487075182491981	325	-0.875063793250958	0.382191435135403	0.00237242233399597	0.580629684754749
KIRC	SIRT4	cg04118464	0.0350801627593393	325	0.629878704149634	0.529220639381204	0.00123061781922174	0.70745236566752
KIRC	SIRT4	cg07106325	-0.0639201602777529	325	-1.14935668440022	0.251261917341635	0.00408578688993361	0.444899729092412
KIRC	SIRT4	cg08264848	-0.0379330677121239	325	-0.681174817589881	0.496250452120892	0.00143891762605257	0.681049495299463
KIRC	SIRT4	cg12124973	-0.053456003037883	325	-0.960607150159467	0.337470494684196	0.00285754426078615	0.536983113990077
KIRC	SIRT4	cg20010714	-0.0597157045537444	325	-1.0734757052525	0.283861533055002	0.0035659653703501	0.481126064370579
KIRC	SIRT4	cg21068152	-0.107639389902273	542	-2.50893250790753	0.0124031039418074	0.0115862382585336	0.0504436986642078
KIRC	SIRT4	cg21123573	-0.0453561812971184	542	-1.05213337502374	0.293211567986316	0.00205718318185707	0.490877608675378
KIRC	SIRT5	cg01064902	-0.11814302889795	325	-2.13495281143926	0.0335194352430409	0.0139577752771819	0.10720762016598
KIRC	SIRT5	cg02206980	-0.0433940077986126	325	-0.779411807855864	0.436309631514493	0.00188303991282605	0.629376441202271
KIRC	SIRT5	cg02712746	0.0125352891216092	325	0.224955395914647	0.822156664525675	0.000157133473362335	0.904546729411957
KIRC	SIRT5	cg06139021	-0.103482419349277	325	-1.86694874524036	0.0628173329323957	0.0107086111143796	0.170218802401435

KIRC	SIRT5	cg07534331	-0.0904962214941119	325	-1.63058726399129	0.103955144840561	0.00818956610471136	0.244907378266151
KIRC	SIRT5	cg07909422	-0.121661069751303	542	-2.84038286593112	0.00467688897591514	0.0148014158930314	0.0235156347590707
KIRC	SIRT5	cg08619119	0.0387521274337255	325	0.695904791135524	0.486990423512504	0.0015017273806397	0.67333036535558
KIRC	SIRT5	cg10907941	0.00239149017000955	325	0.0429138795454161	0.96579678282982	5.7192252332523e-06	0.982019656096601
KIRC	SIRT5	cg11824369	-0.0462404394813145	325	-0.830643527864114	0.406790497249935	0.00213817824342511	0.602951746312155
KIRC	SIRT5	cg19366958	-0.00471719742660504	325	-0.0846480232755812	0.932593822626793	2.22519515615692e-05	0.964245521393444
KIRC	SIRT5	cg20150972	-0.0577463514048391	325	-1.03795327446354	0.300070603251773	0.00333464110057116	0.498349611659801
KIRC	SIRT7	cg11691214	0.00816348993912868	325	0.146493471061157	0.883623514688399	6.66425679862552e-05	0.93832379301851
KIRC	SIRT7	cg12710567	0.149850878154958	325	2.71122752935979	0.00706537678606481	0.0224552856838122	0.0326333742026436
KIRC	SIRT7	cg17552093	-0.0883858668848362	542	-2.05623618301461	0.0402424786201263	0.00781206146498399	0.122996243341614
KIRC	SIRT7	cg20397086	0.104924834184132	325	1.88441916228165	0.0604173544951017	0.0110092208285675	0.165467617517759
KIRC	SMARCA	cg03460558	0.153354763504337	325	2.78479361794135	0.00567315842495324	0.023517683489471	0.0274382961309702
KIRC	SMARCA	cg06675660	0.193598712171196	325	3.54099752144141	0.000457429051230175	0.0374804613543455	0.00347987831130454
KIRC	SMARCA	cg08617833	0.0841411682176336	325	1.51523253296271	0.130694526463871	0.00707973618902811	0.287225402996399
KIRC	SMARCA	cg12935118	0.151381433583827	325	2.74811355280852	0.00633179396514327	0.0229163384338947	0.0299201591280055
KIRC	SMARCA	cg17420696	0.122830084188327	325	2.22092453098052	0.0270514745696644	0.0150872295817114	0.0913886281074971
KIRC	SMARCA	cg18959966	0.130306697751678	325	2.35837825336928	0.018952272663257	0.0169798354789472	0.0698084751637656
KIRC	SMARCA	cg24447042	-0.219272067411471	542	-5.20799169628475	2.7242988861742e-07	0.0480802395469008	5.34647092711996e-06
KIRC	SMARCA	cg26010110	0.0950116070319057	325	1.71267017074736	0.0877358892250437	0.00902720547078527	0.216918028487941
KIRC	SMARCA	cg27353825	0.0771443480886796	325	1.38844348679897	0.165961772411177	0.00595125044202737	0.338192323002805
KIRC	SMARCA	cg04518912	-0.0890402170175212	325	-1.60414116818911	0.109663282623205	0.00792816024652726	0.254413716610358
KIRC	SMARCA	cg13529335	-0.0070325567950725	325	-0.126197840627827	0.899654081183685	4.94568550759204e-05	0.947076499552278
KIRC	SMARCA	cg14290704	-0.127475622900985	325	-2.30628361498113	0.0217294740112482	0.016250034433994	0.0775704250037786
KIRC	SMARCA	cg21210735	-0.0966828283738635	325	-1.74307722300255	0.0822746679981315	0.00934756930236995	0.207115769549716
KIRC	SMARCA	cg08405378	0.0205385149413754	325	0.36862823156882	0.712647092818054	0.000421830595997101	0.836505756872285
KIRC	SMARCA	cg17218495	-0.0640607584219497	325	-1.15189520394475	0.250218658897885	0.0041037807695954	0.443865477007747
KIRC	SMARCA	cg17747332	0.0866917749806348	542	2.01652292424393	0.0442426244176354	0.00751546384929301	0.131951032201561
KIRC	SMARCA	cg18522266	0.0336512600900641	325	0.604192466063721	0.546141137498529	0.00113240730564914	0.719806040925623
KIRC	SMARCA	cg23892580	-0.0194743094619165	325	-0.349520273296869	0.726927228644715	0.000379248729018489	0.845413834823623
KIRC	SMARCA	cg01278696	0.151059293279378	542	3.54117234872759	0.000432979036958005	0.0228189100860651	0.00331850518916738
KIRC	SMARCA	cg01575392	-0.134451977440853	325	-2.43476184488497	0.0154443568226644	0.0180773342377557	0.0597185891278072
KIRC	SMARCA	cg02782292	-0.0274245384843453	325	-0.492300914638656	0.622842113737503	0.000752105311079338	0.776633371204784
KIRC	SMARCA	cg05358385	0.0126412846222773	325	0.226857869370031	0.82067821658976	0.000159802076901425	0.903612551042882
KIRC	SMARCA	cg10878459	-0.121776887565137	325	-2.20159348153952	0.0284029709667215	0.014829610345052	0.0947889528560601
KIRC	SMARCA	cg12253543	0.00909908413478807	325	0.163283986787766	0.870397272803332	8.2793332091952e-05	0.931222112890113
KIRC	SMARCA	cg13848802	-0.240834092404589	319	-4.41099230159888	1.41288543917052e-05	0.0580010600643421	0.000177052206596056
KIRC	SMARCA	cg13898584	-0.0663826931249855	325	-1.19382814271966	0.233423962496078	0.00440666194652599	0.424265408247935
KIRC	SMARCA	cg16091845	0.0725043862456711	541	1.68302747073696	0.0929520974229229	0.00525688602486146	0.226033094799798
KIRC	SMARCA	cg16587443	-0.155571590867785	322	-2.812844915141	0.00521493823916385	0.0242025198851336	0.0256425577003674
KIRC	SMARCA	cg19993723	0.212830380221794	325	3.90865519922373	0.000113173435112074	0.0452967707453534	0.0010717241888142
KIRC	SMARCA	cg20045045	0.039760009939342	325	0.714032485480714	0.475724345000339	0.00158085839037657	0.663520146567634
KIRC	SMARCA	cg22077701	0.0163041792486433	325	0.292606930476043	0.770011073353323	0.00026582626097189	0.872478082084729
KIRC	SMARCA	cg24607315	-0.18995459675075	325	-3.4718253269285	0.000587510154991875	0.03608274882674	0.00429802614710865
KIRC	SMARCB	cg01745726	-0.0917849877945452	325	-1.6540045237813	0.0991010518445587	0.00842448398444482	0.236750198218811
KIRC	SMARCB	cg01912455	-0.0997181779579086	325	-1.7983421679013	0.0730592983690806	0.00994371501524512	0.190257927135683
KIRC	SMARCB	cg03979008	-0.0827356299619149	325	-1.4897453465885	0.137270027131211	0.00684518446519491	0.297202287375525
KIRC	SMARCB	cg10122452	0.0391325159945644	325	0.702746176529302	0.48272167742258	0.00153135380806484	0.669737478793176
KIRC	SMARCB	cg16142952	-0.193117284110428	325	-3.53185045188879	0.000472929021526865	0.0372942854221879	0.00357750294638865
KIRC	SMARCB	cg19906397	-0.078881533381203	542	-1.83365599531926	0.0672583492083385	0.00622229630856984	0.179016560090101
KIRC	SMARCC	cg02564102	0.115921056662171	325	2.09424750838727	0.0370193735802678	0.0134376913776743	0.115620890810316
KIRC	SMARCC	cg02627110	-0.0450807968870456	325	-0.80976923500955	0.418670812956051	0.00203227824797106	0.614135785026644
KIRC	SMARCC	cg05592996	-0.162891159939734	325	-2.96254498120559	0.0032781875084569	0.0265335299865119	0.017678086943159
KIRC	SMARCC	cg07143957	0.104576601530719	325	1.88690624173332	0.0600723486385717	0.0109362655877148	0.164813872658743
KIRC	SMARCC	cg07304068	0.00182264640950517	325	0.0327062748163394	0.973929083651069	3.32203993408208e-06	0.986380241805334
KIRC	SMARCC	cg07474652	0.0155909462030404	325	0.279803536216273	0.779807890892473	0.000243077603506098	0.878315525982555
KIRC	SMARCC	cg12894336	0.0623924024108989	325	1.12177719596837	0.262793009576069	0.00389281187860354	0.458173899304363
KIRC	SMARCC	cg16250355	0.0510379991521351	542	1.18426027948952	0.236833949859474	0.00260487735745334	0.428169552037495

KIRC	SMARCC	cg20685352	0.0100146962798328	325	0.179716312235001	0.857488326127041	0.000100294141577296	0.924188941460085
KIRC	SMARCC	cg22984439	-0.00469078546589225	325	-0.084174061853966	0.932970347660125	2.2003468287026e-05	0.964383407199997
KIRC	SMARCC	cg24832353	-0.0456153044884868	217	-0.666427148924328	0.505859293769994	0.00208075600357736	0.688937831962726
KIRC	SMARCC	cg02553054	0.0831119879358556	325	1.49656911194688	0.135484920216375	0.00690760253864981	0.294399899816233
KIRC	SMARCC	cg04550398	-0.180164205445148	325	-3.28671305185453	0.00112551068535613	0.0324591409236813	0.00740789457667547
KIRC	SMARCC	cg09878554	-0.012180175870931	325	-0.218581656376527	0.827114413813797	0.00014835668424681	0.907167716880712
KIRC	SMARCC	cg13349421	-0.0608357266846204	325	-1.09368381597278	0.274911164685151	0.00370098564124583	0.471388814951103
KIRC	SMARCC	cg17846064	-0.0183653202693136	325	-0.329609480721293	0.741909366692174	0.000337284988594462	0.854800018845542
KIRC	SMARCC	cg18591973	0.0405917320071329	542	0.94141868022713	0.3469136437233	0.0016476887073389	0.54623433925983
KIRC	SMARCC	cg20405918	-0.0497930759810291	325	-0.894614523196901	0.371661394127495	0.00247935041565254	0.57027665670127
KIRC	SMARCC	cg22402853	-0.0719260834123037	325	-1.29401897657197	0.196586207119837	0.00517336147503367	0.378704588482297
KIRC	SMARCC	cg25107077	-0.0831153227585217	325	-1.49662957866207	0.13546918294929	0.00690815687725324	0.294385028027517
KIRC	SMARCC	cg00945038	0.113901928272545	325	2.05728584823713	0.0404637263992276	0.012973649264204	0.123396124323854
KIRC	SMARCC	cg02127607	-0.0129449350970597	325	-0.232308020327092	0.81644636114398	0.000167571344667088	0.901249087874036
KIRC	SMARCC	cg02360836	-0.0142972978142539	542	-0.331348873710751	0.74051024357417	0.000204412724789471	0.853981958390752
KIRC	SMARCC	cg04367190	0.0381135979983549	325	0.684421355864249	0.494201435732266	0.0014526463523802	0.679363041297198
KIRC	SMARCC	cg06420487	-0.0757843838894904	325	-1.36382419572782	0.173575513017933	0.00574327284150965	0.348557910679326
KIRC	SMARCC	cg07362569	0.0999429243651307	325	1.80243614702539	0.0724118099729904	0.00998858813065423	0.18893859953174
KIRC	SMARCC	cg11697258	0.389422246406793	325	7.58684272221559	3.55356324603398e-13	0.151649685996513	2.14524179912176e-11
KIRC	SMARCC	cg12577610	-0.054260342095902	542	-1.25924412973478	0.208489242495654	0.00294418472436431	0.393708421465843
KIRC	SMARCC	cg15868002	-0.0606064655059567	325	-1.0895470133732	0.276727455251324	0.00367314366112472	0.473407565945849
KIRC	SMARCC	cg19016967	-0.156979195392485	325	-2.85225344605486	0.00462166289485491	0.024642467786072	0.0232770712962801
KIRC	SMARCC	cg19143629	-0.00637264976102737	325	-0.114355433604526	0.90902731203484	4.06106649767221e-05	0.951621147492173
KIRC	SMARCC	cg21254277	-0.0469285010280524	325	-0.843030651933354	0.399837076525131	0.00220228420873992	0.596473988095345
KIRC	SMARCC	cg23682543	-0.074762002357025	325	-1.34532117688733	0.179468172936486	0.00558935699643182	0.35634372244566
KIRC	SMARCC	cg24795630	-0.0555738737268073	325	-0.998781048417356	0.318650731362922	0.00308845544100312	0.517961407376818
KIRC	SMARCC	cg25945412	-0.0440376892567715	325	-0.790995449219041	0.429528866442169	0.00193931807507597	0.623596010674868
KIRC	SMARCC	cg00864064	-0.0867806060499474	325	-1.56311925104611	0.11900678058316	0.00753087358639616	0.269198728989746
KIRC	SMARCC	cg02917064	-0.0240210218725996	542	-0.556806060559841	0.577891915352095	0.00057700949180391	0.74432562894917
KIRC	SMARCC	cg14795305	0.0233167763225499	542	0.540472670554501	0.589095191127514	0.000543672058075825	0.752445814195517
KIRC	SMARCC	cg19786287	-0.0897846754766137	325	-1.6176618120231	0.106714633135042	0.00806128795044083	0.249435139417742
KIRC	SMARCC	cg19902439	-0.119102014738287	325	-2.15253091113216	0.0320982739798828	0.0141852899147191	0.103801676338169
KIRC	SMARCC	cg22750243	-0.176199195957299	325	-3.21203532806744	0.00145116261043579	0.0310461566559987	0.00915140597570054
KIRC	SMARCC	cg22787816	-0.107650540251801	325	-1.94301111592491	0.0528861140124203	0.0115886388165047	0.150274759057719
KIRC	SMNDC1	cg03999743	0.0393329086015196	325	0.706350411602324	0.480481022258054	0.0015470776990555	0.667772052622476
KIRC	SMNDC1	cg08770590	-0.0700900714930878	325	-1.26082214809694	0.208285719657962	0.00491261812190616	0.393466523424292
KIRC	SMNDC1	cg11559952	0.178497340975805	325	3.2552990881755	0.0012532118542299	0.0318613007354326	0.0081016151830663
KIRC	SMNDC1	cg12486840	0.0924218748040485	325	1.66558003366707	0.0967696308849862	0.00854180294229521	0.232602269194175
KIRC	SMNDC1	cg17981675	0.0791260198754459	325	1.4243314817127	0.155318925941552	0.00626092702132947	0.323227235693571
KIRC	SMNDC1	cg18209001	0.00468593736281911	325	0.0840870628862074	0.933039463129642	2.19580089682641e-05	0.964404211688835
KIRC	SMNDC1	cg21872391	0.0552774859982	542	1.28292112696036	0.200073140605422	0.0030556004582812	0.383031620530533
KIRC	SMNDC1	cg23721301	0.0328568184922764	325	0.589913040737137	0.555662670634006	0.00107957052143439	0.727103652843456
KIRC	SMNDC1	cg26944434	0.0351965319015108	325	0.63197074713506	0.527854422634231	0.00123879585789406	0.706354295250837
KIRC	SMYD1	cg00578637	-0.0875690857596797	325	-1.57743084483908	0.115678302634543	0.00766834478078613	0.26392996450071
KIRC	SMYD1	cg00666842	-0.0296306862933911	325	-0.531937221570058	0.595136283740152	0.000877977570217357	0.756577966096045
KIRC	SMYD1	cg03704645	-0.118311053629342	325	-2.13803224612753	0.0332666293210811	0.013997505410885	0.10663579716528
KIRC	SMYD1	cg14559139	0.0532768241629215	325	0.957378115704655	0.339094688121983	0.00283841999288685	0.538426600260945
KIRC	SMYD1	cg16090764	-0.0213853808476406	325	-0.38383471988127	0.701354275257026	0.000457334513998633	0.828894544381154
KIRC	SMYD1	cg18148488	-0.130592254854979	325	-2.36363602769757	0.0186901030091571	0.0170543370281078	0.0690857109899444
KIRC	SMYD1	cg19074493	-0.134627054776975	325	-2.43799076694737	0.0153096278955202	0.0181244438779225	0.0593246327076165
KIRC	SMYD2	cg01770831	-0.0200917668339892	325	-0.360606657892449	0.718629954096322	0.000403679094511389	0.840261203447451
KIRC	SMYD2	cg04406444	-0.0817753491765808	325	-1.47233734820287	0.141906526108874	0.00668720773295172	0.304142939970625
KIRC	SMYD2	cg11523160	-0.0741037442098524	325	-1.33341030948805	0.183339701177801	0.00549136490591924	0.361502730101533
KIRC	SMYD2	cg14013804	-0.0550096953035134	325	-0.988610624570537	0.323595968546777	0.00302606657738538	0.523027254308615
KIRC	SMYD2	cg27570636	0.0133994480661687	325	0.240466087299454	0.810121974096079	0.000179545208477952	0.89741725661673
KIRC	SMYD5	cg01329511	-0.135885678059815	325	-2.46121021082499	0.0143710210784217	0.0184649175017756	0.0564835655926205
KIRC	SMYD5	cg05103132	-0.00904636870708717	325	-0.162337925447941	0.871141573641732	8.18367867845661e-05	0.931566332818564

KIRC	SMYD5	cg06754047	-0.113701324447796	541	-2.64955842313108	0.00829760792035347	0.0129279911811829	0.036949581616408
KIRC	SMYD5	cg08834152	-0.00969272761845719	325	-0.173937949532035	0.862023527853059	9.39489686856029e-05	0.926720262092518
KIRC	SMYD5	cg15623359	-0.0502298874625027	325	-0.902482324525208	0.367475296636842	0.00252304159449569	0.566400642466446
KIRC	SMYD5	cg17895873	-0.0262771257566386	542	-0.609137016115431	0.542691233387108	0.000690487338030201	0.717226811581413
KIRC	SMYD5	cg20402064	-0.103746991308082	325	-1.87177381336731	0.0621443129777482	0.0107634382054792	0.168942363845085
KIRC	SMYD5	cg25886337	-0.0850917853788173	325	-1.53247560745344	0.126386985140184	0.00724061193895471	0.280618266713921
KIRC	SMYD5	cg26467949	0.0384670450503	325	0.69077771047226	0.490202894445905	0.00147971355490181	0.676148251220822
KIRC	SP100	cg05876232	0.0596691181639727	325	1.07263525435767	0.284238022082691	0.00356040366246614	0.481522891267631
KIRC	SP100	cg09456094	-0.170786111671131	325	-3.11034398575907	0.00203576431194194	0.029167895939744	0.0120653854093564
KIRC	SP100	cg11702456	-0.178315295127395	325	-3.25186998551338	0.00126793694490758	0.03179634447637	0.00817757309667887
KIRC	SP100	cg11827097	0.0489018441720209	325	0.878563343184295	0.380293187268475	0.00239139036342462	0.578704436648874
KIRC	SP100	cg23539753	-0.224805703121272	542	-5.34632779923747	1.32959184840983e-07	0.0505376041558495	2.81377225939049e-06
KIRC	SP100	cg27140170	-0.0247834904756278	325	-0.444860479009624	0.656719463994687	0.000614221400155534	0.799988005104799
KIRC	SP140L	cg04002454	-0.289886981392963	325	-5.43521941285381	1.08251289314513e-07	0.084034461981124	2.33600577002308e-06
KIRC	SP140L	cg05217331	-0.0992747451556473	325	-1.79026541355917	0.0743506445709368	0.00985547502571871	0.192621354860512
KIRC	SP140L	cg13278004	-0.366868572386675	325	-7.07665674642111	9.27802450230799e-12	0.134592549405037	4.43078356372528e-10
KIRC	SP140L	cg24044052	-0.510600470143044	325	-10.6562049468428	6.52816814811405e-23	0.260712840110298	1.11615892948216e-20
KIRC	SP140L	cg25095994	-0.534745630905065	325	-11.3556434477731	2.32416907291772e-25	0.285952889772056	4.87348810939517e-23
KIRC	SP140L	cg26847438	-0.373932920764083	325	-7.23483180147513	3.43085255070399e-12	0.139825829231158	1.77933162219644e-10
KIRC	SSRP1	cg01511567	-0.00011895510210397	542	-0.0027565775827138	0.997801595800082	1.41503163165665e-08	0.998905869970551
KIRC	SSRP1	cg01766191	-0.0973385365297185	325	-1.75501156123854	0.0802083290610371	0.00947479069374735	0.203447236745169
KIRC	SSRP1	cg02688348	-0.0370165660783017	325	-0.664694076820981	0.506721923673486	0.00137022616422928	0.68964102085707
KIRC	SSRP1	cg04937561	0.00593184459441641	325	0.106445018387019	0.915295560889251	3.51867802923072e-05	0.955226622089807
KIRC	SSRP1	cg08821673	-0.0860050997656943	325	-1.54904602351988	0.122352913047585	0.00739687718570704	0.274326959611027
KIRC	SSRP1	cg09381635	-0.0837007873489873	325	-1.50724595839029	0.132728054761115	0.0070058218028404	0.290260767775733
KIRC	SSRP1	cg11948159	0.00644746807860192	325	0.115698083065314	0.907963944213304	4.15698446245907e-05	0.951183691386546
KIRC	SSRP1	cg12795368	-0.052739707886618	325	-0.947699141955376	0.343993310036547	0.0027814767879658	0.543274504871962
KIRC	SSRP1	cg12911972	-0.128105130185112	325	-2.31786218247221	0.0210831907290517	0.0164109243797445	0.0758448896913687
KIRC	SSRP1	cg16313264	-0.0622759204659127	325	-1.11967476043204	0.263686866555808	0.00387829026987669	0.459125228784048
KIRC	SSRP1	cg22636253	-0.104972597901026	542	-2.44607161673868	0.0147620511135716	0.0110192463100905	0.0576621311673623
KIRC	SSRP1	cg26706201	0.00219822195351339	325	0.0394457779800106	0.968559427884848	4.83217975690823e-06	0.983464231976426
KIRC	STK31	cg00755064	0.0576786495625728	325	1.03673231337751	0.300638542643015	0.00332682661536208	0.498930684921297
KIRC	STK31	cg05000488	0.031784382558417	325	0.570638669409536	0.568642592062	0.0010102469746198	0.737037350997522
KIRC	STK31	cg05407490	-0.0622503053086225	325	-1.11921242698647	0.26388371136152	0.00387510051101672	0.459375435053215
KIRC	STK31	cg11755819	0.050031928934924	325	0.898916652802924	0.369368758476246	0.00250319391294929	0.568066877739158
KIRC	STK31	cg13313214	0.0185400927735796	325	0.332747263693571	0.739541598367751	0.000343735040052939	0.853281545833145
KIRC	STK31	cg13514718	0.0637570000234165	325	1.14641088887708	0.252476371989424	0.00406495505198594	0.446389701876028
KIRC	STK31	cg13802883	-0.401652141645969	325	-7.87011412121696	5.44184432277656e-14	0.161324442888794	3.71027902932585e-12
KIRC	STK31	cg14898779	-0.125928332055725	542	-2.9415870065338	0.00340626286332913	0.0158579448143368	0.0182384756824163
KIRC	STK31	cg17102984	-0.109041287769915	325	-1.96841316490284	0.0498780494077623	0.0118900024385214	0.144020970070057
KIRC	STK31	cg17331904	0.0130886521971312	325	0.234887587075089	0.814445281083513	0.000171312816337467	0.900138605964238
KIRC	STK31	cg21519371	0.00876531934955968	325	0.157294074925453	0.875111673585405	7.68308232997654e-05	0.933881719087116
KIRC	STK31	cg25570411	0.00926095403063942	325	0.166189005443015	0.868112512549399	8.57652695576165e-05	0.929965141011083
KIRC	STK31	cg25612145	-0.00129053711044758	542	-0.0299059774880396	0.976153149720856	1.66548603344239e-06	0.987422964433455
KIRC	SUV39H	cg05903800	-0.136802050203429	325	-2.4781233379963	0.013719799125077	0.0187148009398615	0.0545134099359642
KIRC	SUZ12	cg00160853	0.122835417249277	325	2.22102243674513	0.0270447741174403	0.015088539730804	0.0913715433723681
KIRC	SUZ12	cg01109633	0.164282676231303	325	2.9885517791768	0.00301861912558923	0.0269887977097192	0.0165466781465677
KIRC	SUZ12	cg07482957	0.0218090321299584	325	0.391442192533794	0.695729316183263	0.000475633882445556	0.825595534011025
KIRC	SUZ12	cg08177746	-0.00971033717286892	325	-0.174253986305361	0.86177536386415	9.42906480107999e-05	0.92658151916918
KIRC	SUZ12	cg17335595	-0.0342388802529109	325	-0.614755184714144	0.539150572108594	0.00117230092097317	0.714600142759637
KIRC	SUZ12	cg25098644	-0.0398529878033913	542	-0.924257939100348	0.355767160400683	0.00158826063685726	0.554573607907079
KIRC	TAF3	cg00194465	-0.0497426936947777	325	-0.893707076076108	0.372146109228249	0.00247433557601247	0.570806491084257
KIRC	TAF3	cg02334915	0.149303192736341	325	2.70951976083266	0.00709873671754372	0.0222914433612649	0.0327621692100496
KIRC	TAF3	cg03672997	-0.174506705231007	325	-3.18020802772043	0.00161485874855266	0.0304525901705817	0.00999245736952865
KIRC	TAF3	cg04179819	0.0975412755286987	325	1.75870201630728	0.0795779979387022	0.00951430043176551	0.202270495054675
KIRC	TAF3	cg04234156	0.0419308494821618	325	0.753084519408089	0.451949365862282	0.00175819613829571	0.642510813225685
KIRC	TAF3	cg05976695	-0.0317195271511058	325	-0.569473118538159	0.569432153021092	0.00100612840268974	0.737651843551527

KIRC	TAF3	cg07855525	-0.166552473658277	325	-0.30101267633049	0.00263500968905321	0.0277397264816909	0.0148455926817936
KIRC	TAF3	cg09871669	0.00541750101635635	325	0.0972150067207563	0.92261613200884	2.93493172622221e-05	0.959338966904563
KIRC	TAF3	cg09994553	-0.113526706417989	318	-2.02801035654609	0.0434004949508027	0.0128883130701163	0.13002575186642
KIRC	TAF3	cg11104088	-0.0875075480308849	325	-1.57631377430991	0.115935427967477	0.00765757096237762	0.264388376375632
KIRC	TAF3	cg12176426	0.0371310236930198	325	0.666752187035851	0.505407903398573	0.00137871292049159	0.688612404101591
KIRC	TAF3	cg12590721	-0.0260198259817376	325	-0.467067220435278	0.640767671821761	0.000677031344119908	0.788916507108444
KIRC	TAF3	cg12777293	-0.043668782042941	325	-0.784356503941578	0.433407581580862	0.00190696252511389	0.626910665306265
KIRC	TAF3	cg27268107	-0.04786374999713	325	-0.859869805680317	0.390500542877955	0.00229093856378776	0.58784394196075
KIRC	TCEA1	cg01677098	0.0023855283327847	542	0.0552806266666793	0.955935456983299	5.69074542651855e-06	0.976624418098899
KIRC	TCEA1	cg06047473	-0.126503996729496	325	-2.28841798877475	0.0227606713317387	0.0160032611885362	0.0802895663599827
KIRC	TCEA1	cg11530293	-0.00563363524246311	324	-0.100936474730974	0.919663903043392	3.17378460451223e-05	0.957692860457449
KIRC	TCEA1	cg11787876	-0.00493433005486207	325	-0.0885444651197685	0.929498988362609	2.43476130903151e-05	0.962671899544514
KIRC	TCEA1	cg12850379	0.104698059100816	325	1.88912201070384	0.0597738464735198	0.0109616835794779	0.164213956724265
KIRC	TCEA1	cg23569945	-0.0161128133753895	325	-0.289171638969694	0.772636122138761	0.00025962275487013	0.873945191428155
KIRC	TCEA1	cg26181865	-0.109673293224785	325	-1.97996062172978	0.0485590282465009	0.01020282312467696	0.141178321866084
KIRC	TCEA1	cg26358945	-0.0870272384982869	325	-1.56759552547026	0.11795771450029	0.00757374024063771	0.267581145338601
KIRC	TDRD1	cg00337703	-0.204327531010777	325	-3.74554785487579	0.000213215832855063	0.0417497399289599	0.00183038098666153
KIRC	TDRD1	cg02635786	-0.547323998070748	324	-11.7168977654067	1.22658361241824e-26	0.299563558864148	2.79826526523355e-24
KIRC	TDRD1	cg16550453	-0.822160256660729	325	-25.9165219860138	8.73285914868291e-81	0.675947487632436	1.50969787691697e-77
KIRC	TDRD1	cg23504215	-0.55861980625113	325	-12.0855870217714	5.54229991341575e-28	0.31205608793605	1.36924353153198e-25
KIRC	TDRD1	cg23825092	-0.134287474325228	325	-2.43172815300799	0.0155718937674855	0.0180331257606487	0.0601161184927681
KIRC	TDRD1	cg24203376	-0.253614644915118	325	-4.70477307289835	3.7781680430406e-06	0.0643203881154214	5.554021253596e-05
KIRC	TDRD1	cg26600802	-0.745752905863868	325	-20.0864646301422	9.53803485194349e-59	0.556147396604403	7.72918628408429e-56
KIRC	TDRD1	cg27547703	-0.777661972553706	542	-28.6646431925645	2.53006509385661e-110	0.604758143556121	1.03591517848148e-106
KIRC	TDRD3	cg01557749	-0.0468065835387114	325	-0.840835692711769	0.401063938884241	0.00219085626256637	0.597650954153063
KIRC	TDRD3	cg03447530	-0.111125595155956	325	-2.00650506076513	0.0456381807505759	0.0123488978987654	0.134969649622136
KIRC	TDRD3	cg05666423	-0.108098485209231	325	-1.95119157774725	0.0519011925208058	0.0116852825045303	0.14827098639899
KIRC	TDRD3	cg10765900	-0.0190254135542396	325	-0.341460644606966	0.732979546218558	0.000361966360909845	0.849303844539336
KIRC	TDRD3	cg18522102	0.0320418255402674	325	0.575265384884834	0.565513584178006	0.00102667858395293	0.734842716769289
KIRC	TDRD3	cg19937698	-0.0188531878533582	325	-0.338368501320344	0.73530602621026	0.000355442692234014	0.850732417242984
KIRC	TDRD3	cg20944895	-0.158485278169854	325	-2.88032002391828	0.00423901062239066	0.025117583396576	0.0217497422739915
KIRC	TDRD3	cg22045829	-0.00064635457349458	325	-0.0115984205720653	0.990753189397243	4.17774234677371e-07	0.995004675970667
KIRC	TDRD3	cg23103367	-0.0312939248875749	325	-0.561824572853048	0.574626389585258	0.000979309734869181	0.741765292481467
KIRC	TDRD3	cg23767211	-0.0200246468168526	325	-0.35940150501186	0.719530322727827	0.000400986480139686	0.840884250849349
KIRC	TDRD3	cg26737458	-0.0818553470182703	325	-1.47378739311854	0.141515760854596	0.00670029783548146	0.303614922777783
KIRC	TDRD5	cg05378938	-0.119311039860565	325	-2.15636312679679	0.0317954280654078	0.0142351242326094	0.103019305744287
KIRC	TDRD5	cg07171496	-0.180907911280299	325	-3.3007384598461	0.0010724929745891	0.0327276723638004	0.00711647206287825
KIRC	TDRD5	cg07901138	-0.159387984768691	325	-2.89715226689615	0.00402360460589212	0.0254045296886244	0.0208383128094515
KIRC	TDRD5	cg09656934	-0.0214648135613443	542	-0.497524342666823	0.619022996502245	0.00046073822122327	0.7739180218227
KIRC	TDRD5	cg11853788	-0.124695484061217	325	-2.25518202379027	0.0247930898381824	0.0155489637452613	0.0856652734120168
KIRC	TDRD5	cg12277666	-0.0649339370317623	542	-1.50791338832217	0.132164762835627	0.00421641617844487	0.289427585858427
KIRC	TDRD5	cg13848905	-0.147672372151038	325	-2.67926049476296	0.00775760143885434	0.0218071294967146	0.035103236757459
KIRC	TDRD5	cg15545772	-0.0929470062828947	325	-1.67512592152339	0.0948803327461233	0.00863914597695247	0.229360718663568
KIRC	TDRD7	cg24339935	0.137285719624341	325	2.48705284895578	0.0133866516999693	0.0188473688127731	0.0535149631216553
KIRC	TDRD9	cg07613153	0.221378107704118	541	5.25567733908935	2.13269739791637e-07	0.049008266570656	4.28932423406168e-06
KIRC	TDRD9	cg08933517	0.143229362392625	542	3.35366925257198	0.000853744421257536	0.0205146502513979	0.00588639488675962
KIRC	TDRD9	cg16701547	0.0312337704049771	325	0.560743554715735	0.57536233721992	0.000975548413710825	0.742284206661467
KIRC	TRIM24	cg00733782	0.0940066775908248	325	1.69439302527786	0.0911575072621095	0.00883725543166528	0.222859604766384
KIRC	TRIM24	cg02308366	-0.0100499804255645	325	-0.18034955919351	0.856991600765482	0.00010100210655423	0.923889699282853
KIRC	TRIM24	cg06386929	0.0921703830049687	325	1.66100888975824	0.0976849834807869	0.00849537950328261	0.234128472831812
KIRC	TRIM24	cg06650216	-0.008023587682985	325	-0.143982768130768	0.88560414532065	6.43779593065486e-05	0.939396239634776
KIRC	TRIM24	cg10571650	0.144425216209606	325	2.61907698888482	0.00923395432635751	0.0208586430771915	0.0400952357035419
KIRC	TRIM24	cg10703331	0.0691390850140295	542	1.60602118449495	0.108857100554574	0.0047802130765772	0.253023074503049
KIRC	TRIM24	cg13935558	-0.00543444062809392	325	-0.0975189906100623	0.922374925817283	2.95331449402778e-05	0.959230465597617
KIRC	TRIM24	cg26889928	0.0560176742671814	542	1.30015368658889	0.194106049669395	0.00313797983030404	0.375358224862186
KIRC	TRIM33	cg00760200	0.136562629540483	325	2.47370381943764	0.0138873906934837	0.0186493517870113	0.0550359486301006
KIRC	TRIM33	cg02852257	0.0179119883716876	325	0.321470714163878	0.748062272302088	0.000320839327427473	0.858671689485025

KIRC	TRIM33	cg05792124	0.06991866237053	325	1.25772357190131	0.209403093104847	0.00488861934768417	0.394859032019548
KIRC	TRIM33	cg16036305	0.230040632670726	325	4.2416893298533	2.90314612025115e-05	0.0529186926795477	0.000331276970061972
KIRC	TRIM33	cg17645130	0.153980895268318	325	2.79643920131431	0.00547742130651535	0.0237101161076328	0.0266752543582731
KIRC	TRIM33	cg18199720	0.0855877184694497	325	1.54147291912788	0.124183865196561	0.00732525755280579	0.277197106629952
KIRC	TRIM33	cg20932765	-0.0769454524300221	505	-1.72566870509973	0.085024858784231	0.00592060264966079	0.212072303801923
KIRC	TRIM33	cg20992663	0.126509754220015	325	2.28852383397306	0.022754438318289	0.0160047179128086	0.0802756688827254
KIRC	TRIM33	cg21666217	-0.0837773255972132	542	-1.94824283280429	0.051906471496389	0.00701864028422147	0.14827098639899
KIRC	TRIM33	cg21813112	-0.0656994620454936	325	-1.18148735155559	0.238281027296167	0.00431641931306725	0.429929358880185
KIRC	TRIM66	cg06492264	0.124443137652576	325	2.25054634777482	0.0250887607542272	0.0154860945088181	0.0864526512276023
KIRC	TRIM66	cg11245569	-0.127585740930994	317	-2.27945382352159	0.0233107211591082	0.0162781212889107	0.0817561986317868
KIRC	TRIM66	cg12608775	0.0878120541206955	325	1.5818415331878	0.114667455688985	0.00771095684889595	0.262396753967199
KIRC	TRIM66	cg13143389	0.0960279886784361	325	1.73116097775546	0.084380935323649	0.00922137460962585	0.210875083766518
KIRC	TRIM66	cg27044202	0.0874210700512728	325	1.57474400380972	0.116297517425058	0.00764244348890954	0.264934524307152
KIRC	UBE2A	cg00142683	-0.0190219457967988	325	-0.34139838412937	0.733026365803435	0.000361834421896352	0.849345443868222
KIRC	UBE2A	cg00428314	-0.0259384834390567	325	-0.465606101741362	0.641812234952561	0.000672804923118218	0.789630463145797
KIRC	UBE2A	cg00935924	0.000279161593261851	325	0.00500937588874072	0.996006215050996	7.79311951524951e-08	0.998020370360488
KIRC	UBE2A	cg05206294	-0.0333749038645142	325	-0.599225064665035	0.549444171831567	0.00111388420796556	0.722396185561103
KIRC	UBE2A	cg06206449	-0.0289009599161903	325	-0.518825908090166	0.604238522040732	0.000835265484077237	0.763148495553807
KIRC	UBE2A	cg06273903	-0.056441746783734	542	-1.31002762147559	0.190746597328086	0.00318567077999915	0.3710477293594
KIRC	UBE2A	cg09080960	-0.0402953858528695	325	-0.723662598139863	0.469798283841912	0.00162371812103164	0.65852434129537
KIRC	UBE2A	cg14625604	-0.0350650057704102	542	-0.813070522544211	0.41653795595049	0.0012295546296789	0.612092061677605
KIRC	UBE2A	cg15661671	-0.0287779425687991	325	-0.516615683871397	0.60577908572052	0.000828169978493101	0.764349658495534
KIRC	UBE2A	cg16211147	-0.0234317815350848	325	-0.420583763139605	0.674339599299971	0.00054904838590794	0.811724790207874
KIRC	UBE2A	cg17976175	-0.0106085711175835	325	-0.19037471557862	0.849135473467783	0.000112541781156826	0.919549048859957
KIRC	UBE2A	cg18990292	-0.0281030631603341	325	-0.504490696975784	0.614261642667332	0.000789782158993726	0.77057826955094
KIRC	UBE2A	cg25165659	-0.0122845326642736	325	-0.220454692464218	0.825656763639305	0.000150909742779604	0.906272289846151
KIRC	UHRF2	cg06523306	0.0231836762312583	325	0.416128042237369	0.677593523387456	0.000537482843595811	0.81368122128342
KIRC	UHRF2	cg08487038	-0.140973362621393	542	-3.29976592653832	0.00103185261482673	0.0198734889687827	0.00689088697036917
KIRC	UHRF2	cg13428749	-0.0665561586168004	325	-1.19696161311615	0.232202002870887	0.00442972224982469	0.422814938354933
KIRC	UHRF2	cg14078101	0.0141082250836156	325	0.25318824672547	0.800284316079662	0.000199042015009961	0.890909304059132
KIRC	UHRF2	cg20595300	-0.126739977657839	542	-2.96085492076376	0.00320348776264239	0.0160630219367095	0.0173812335756034
KIRC	UHRF2	cg24119045	0.0505537357912632	325	0.908315780629949	0.364390710540892	0.00255568020245285	0.56339707700184
KIRC	USP27X	cg00478198	-0.0169547085427036	325	-0.304285105787145	0.761107242085141	0.000287462141768027	0.867145718293105
KIRC	USP27X	cg01125381	-0.0434286680013499	325	-0.780035525261295	0.435942951859689	0.00188604920437147	0.629061158998646
KIRC	USP27X	cg01290688	-0.139561999036716	325	-2.5291020106283	0.0119125064998355	0.0194775515751244	0.0488699852685865
KIRC	USP27X	cg01855997	-0.0449032085338741	325	-0.80657282520113	0.420507948769196	0.00201629813663659	0.615716080680422
KIRC	USP27X	cg06455206	-0.191328580992119	325	-3.49788847761123	0.000534890681894333	0.0366066259044577	0.00396864908987007
KIRC	USP27X	cg06624970	-0.0542382153235943	325	-0.974704718505148	0.330438413994846	0.00294178400148858	0.530145717171291
KIRC	USP27X	cg16810342	-0.0480012460180367	325	-0.862345611002014	0.38913913302518	0.00230411961928408	0.586800063908803
KIRC	USP27X	cg16867483	-0.0463022169641507	325	-0.831755654903779	0.406163266827629	0.00214389529579528	0.602473140051958
KIRC	USP27X	cg19318186	-0.00502203113579949	325	-0.0901182632567318	0.928249265704016	2.52207967289395e-05	0.962135366888748
KIRC	USP51	cg00834229	0.102356554231491	325	1.84642051436062	0.0657487139946295	0.0104768641941441	0.175998307403356
KIRC	USP51	cg01084827	0.0147235519748444	325	0.264233336416887	0.791769162281197	0.000216782982755944	0.885754009780135
KIRC	USP51	cg02714202	0.0760364329319871	325	1.36838643133796	0.172145150290524	0.00578153913302058	0.3465443489727
KIRC	USP51	cg03728850	0.0815151742599747	325	1.4676216024872	0.143183107182167	0.00664472363463405	0.305951785099829
KIRC	USP51	cg07386410	0.0947298334044544	325	1.70754488480661	0.0886847116639116	0.00897374133683569	0.218617734304529
KIRC	USP51	cg12064531	0.129844367990408	325	2.34986694603664	0.0193835247106339	0.0168595598988285	0.0710613535032542
KIRC	USP51	cg12517811	0.0827683088822941	325	1.49033782425017	0.137114315244078	0.00685059295523484	0.296989393030901
KIRC	USP51	cg18770944	-0.00367189218680118	542	-0.0850902876275591	0.93222132520224	1.34827922314916e-05	0.964031873832309
KIRC	USP51	cg21331369	0.0912340523700349	325	1.64399284774276	0.101153630842787	0.00832365231185828	0.240198576288385
KIRC	USP51	cg25424556	0.0245814432236682	542	0.5698043635227	0.569048685142271	0.000604247350958424	0.737367136584013
KIRC	WDR82	cg01736403	-0.0208050093124973	325	-0.373413368992598	0.709086528830301	0.000432848412493099	0.834256033148187
KIRC	WDR82	cg03869063	-0.165976480042042	325	-3.02023295344304	0.00272791081005629	0.0275481919271464	0.0152716676423085
KIRC	WDR82	cg10989431	0.0543204257450599	325	0.976186475378779	0.329704864438606	0.00295070865312456	0.529337740669424
KIRC	WDR82	cg11442381	-0.0806613733073291	325	-1.45214832953784	0.147434039508487	0.0065062571438243	0.312154251681225
KIRC	WDR82	cg11665333	-0.219415774569325	325	-4.03561747074799	6.80908051453275e-05	0.048143282129857	0.000693241211291141
KIRC	WDR82	cg12661343	0.0138352799726129	325	0.248288987266503	0.804069089041698	0.000191414971920585	0.893430515945751

KIRC	WDR82	cg13539115	-0.0480228651203547	325	-0.862734897196252	0.388925334444215	0.00230619557436778	0.586579978671437
KIRC	WDR82	cg15991175	-0.138393816802273	325	-2.50751739976514	0.0126501033205033	0.019152848529101	0.0512579893596143
KIRC	WDR82	cg17632831	-0.0917720159442926	325	-1.65376877992239	0.099148996843584	0.00842210291047949	0.236814270215975
KIRC	WDR82	cg24007312	0.0536989312042005	325	0.964985177737972	0.335276397180061	0.00288357521247346	0.534813525863794
KIRC	WDR82	cg26236504	0.064718540205689	325	1.16377246525842	0.245377836729317	0.00418848944635538	0.438298202069635
KIRC	WDR82	cg26858096	-0.158041079528021	325	-2.87204003394594	0.00434878186357656	0.0249769828183821	0.0222031329195429
KIRC	ZMYND1	cg00614684	-0.0128392481211956	325	-0.230411062437478	0.817918680715227	0.000164846292317624	0.902067933815733
KIRC	ZMYND1	cg02813021	-0.0184145145051198	542	-0.426796709044295	0.669698456074788	0.000339094344459267	0.808568927286981
KIRC	ZMYND1	cg02867818	-0.0413289282894211	325	-0.742255290120588	0.4584737654178	0.00170808031355211	0.648470175213403
KIRC	ZMYND1	cg03254875	-0.0589360494583977	325	-1.05941110725625	0.290206630878615	0.0034734579257627	0.487762298032449
KIRC	ZMYND1	cg05236965	0.0477161951882976	325	0.857212932516868	0.391964749286869	0.00227683528324771	0.589059773004063
KIRC	ZMYND1	cg08828193	-0.0973250206412374	325	-1.75476553956358	0.080250494146478	0.00947215964281729	0.20349140903532
KIRC	ZMYND1	cg12639781	-0.111188723880714	325	-2.00765918949269	0.0455146336108431	0.0123629323182216	0.134716942781339
KIRC	ZMYND1	cg13939078	-0.011298594638199	325	-0.202758974451821	0.839451481451541	0.00012765824079834	0.914083238611266
KIRC	ZMYND1	cg14255089	0.105464389945668	542	2.45765994908467	0.0142994635494651	0.0111227375466119	0.0562687306447527
KIRC	ZMYND1	cg14694828	-0.101677990576891	325	-1.83405153173344	0.0675690404226676	0.0103384137677543	0.179665240135387
KIRC	ZMYND1	cg17632565	-0.116480500757497	325	-2.10449318738471	0.0361102071659798	0.0135677070567172	0.113516253449846
KIRC	ZMYND1	cg22593633	-0.0321801237749035	325	-0.577750901272974	0.563836089223746	0.00103556036616811	0.733655555974912
KIRC	ZMYND1	cg24757747	-0.108941487504779	325	-1.96658992205552	0.0500890456532078	0.0118682476997539	0.144458634890845
KIRP	ACTL6A	cg03667091	0.0109611210543565	292	0.186350252895355	0.85230083999358	0.000120146174768257	0.921284046554219
KIRP	ACTL6A	cg03839554	-0.140602640693415	276	-2.34644623264458	0.0196686456543249	0.0197691025699617	0.0718864280024689
KIRP	ACTL6A	cg07261848	-0.189514827673376	276	-3.18909202467851	0.00159351250803339	0.0359158699080694	0.00988404656752905
KIRP	ACTL6A	cg10112003	0.0958188597621038	276	1.59050564418627	0.112878178187109	0.00918125388610971	0.259784775867937
KIRP	ACTL6A	cg20132173	-0.0283644823385188	276	-0.468846804408718	0.639553313140974	0.000804543858332144	0.788222785483261
KIRP	ACTL6A	cg22619386	0.0672344061610168	276	1.11341413089058	0.266509974633622	0.00452046537182457	0.462189062522805
KIRP	ACTL6A	cg25198545	0.048626063576041	292	0.827622113649916	0.408567415643732	0.00236449405890118	0.604559164845523
KIRP	ACTL6A	cg25575835	0.0211573815295488	276	0.349655581871377	0.72686676932944	0.000447634793186893	0.845394074382383
KIRP	ACTL6B	cg05729836	0.0224788768501926	275	0.371505873029626	0.710548945715346	0.000505299904446125	0.835142996962888
KIRP	ACTL6B	cg08572611	-0.0300614280929653	291	-0.511275346866731	0.609548649545203	0.000903689458988521	0.767043625842794
KIRP	ACTL6B	cg09375063	-0.0223198037636416	275	-0.368875574979624	0.712506381794796	0.000498173640047469	0.836457934164494
KIRP	ACTL6B	cg14088161	0.0281063214260983	291	0.47799630179177	0.633014190880601	0.000789965304107151	0.783739531223489
KIRP	ACTL6B	cg16024950	0.000386190987489431	275	0.00638092280080891	0.994913455020438	1.49143478818062e-07	0.997348081450852
KIRP	ACTL6B	cg20497359	0.019844544768316	275	0.32795027161482	0.743200634889744	0.000393805957061697	0.855605325839317
KIRP	ACTL6B	cg24471254	0.00470608454185975	275	0.0777581389158832	0.938077405587799	2.21472317151313e-05	0.966868206299633
KIRP	ACTL6B	cg26990587	-0.0293505499056918	275	-0.485159689212612	0.62795216128075	0.000861454779766504	0.780179037525748
KIRP	AEBP2	cg02664216	0.125684744650688	276	2.09325179501663	0.0372495003676089	0.0157966550379086	0.116215629168073
KIRP	AEBP2	cg07849438	-0.0671992622266918	276	-1.11282950014366	0.266760582825278	0.00451574084381169	0.462484664071704
KIRP	AEBP2	cg08161947	-0.272237923632817	276	-4.67467118653599	4.63191720084719e-06	0.0741134870639073	6.65808142503154e-05
KIRP	AEBP2	cg24304000	0.109987096029038	276	1.82837781240737	0.0685839682031735	0.0120971612929008	0.181619300148215
KIRP	AEBP2	cg26259627	-0.0588137435787485	276	-0.973447589247862	0.331192624569838	0.00345905643374678	0.530871758098324
KIRP	AFF4	cg00931577	0.0371622398271209	276	0.614445403621448	0.539432778003299	0.00138103206896845	0.714774345311167
KIRP	AFF4	cg01907658	-0.0786939837115565	276	-1.30428281685611	0.193235722685208	0.00619274307239472	0.374224043081231
KIRP	AFF4	cg05619425	0.20080019902661	276	3.38674425917945	0.000811328698848716	0.040320719929126	0.00563590541996937
KIRP	AFF4	cg06638012	0.0301060213105555	292	0.512034461866085	0.609017943638924	0.000906372519151624	0.766665302891627
KIRP	AFF4	cg07236381	-0.162700903783353	16	-0.616992190435283	0.547143650262961	0.0264715840919198	0.720546706979652
KIRP	AFF4	cg13393914	-0.0325753207050518	276	-0.538518431315914	0.590657996832506	0.00106115151903697	0.753532334173862
KIRP	AFF4	cg13565585	-0.184401827549377	276	-3.09997997209225	0.00213770366596245	0.0340040340035502	0.0125292337067643
KIRP	AICDA	cg07999668	-0.067261136482238	276	-1.11385880124171	0.266319471050071	0.00452406048088224	0.462116229805483
KIRP	AIRE	cg08089567	0.0784816786679323	276	1.300742212103	0.194443580843027	0.00615937388653658	0.375814755977701
KIRP	AIRE	cg09510531	0.000959727465008351	276	0.0158573074620054	0.987359811907416	9.21076807091355e-07	0.993284226141543
KIRP	AIRE	cg11923631	0.00761070021905908	276	0.125753047146529	0.900019967614474	5.7922757824386e-05	0.947316376141259
KIRP	AIRE	cg12843033	0.0798307369219207	276	1.32324346560461	0.18686158910907	0.0063729465574969	0.365926563482408
KIRP	AIRE	cg15955655	-0.0120779583087845	276	-0.199575179611258	0.841961411281698	0.000145877076908738	0.915475785557024
KIRP	AIRE	cg16501323	-0.0437318830838438	276	-0.723261235193695	0.470138619805868	0.00191247759805899	0.658731361342186
KIRP	AIRE	cg16717549	-0.0233107238322603	276	-0.385261055739715	0.70034401099727	0.000543389845583909	0.828357515340156
KIRP	AIRE	cg17356252	-0.0347935875023151	292	-0.591849340577969	0.554414180837367	0.00121059373128126	0.726108129498176
KIRP	AIRE	cg18689454	-0.020380361667013	276	-0.336808794551672	0.736519814291798	0.000415359141678253	0.851419506246334

KIRP	AIRE	cg18876487	0.0220311217231038	292	0.374619995041524	0.708217840394124	0.000485370324378214	0.833687901758625
KIRP	AIRE	cg23272544	-0.0908369480096037	276	-1.50710339759094	0.132940421816043	0.00825135112369945	0.290618333547084
KIRP	AIRE	cg27251412	-0.00025074378150405	276	-0.0041429673280199	0.996697425538032	6.28724439629546e-08	0.998316892964834
KIRP	ARID1A	cg04081153	-0.0723897266038772	276	-1.19922082769671	0.231481912812585	0.00524027251778408	0.421991624056915
KIRP	ARID1A	cg04360147	0.0287868546030767	276	0.475834096357748	0.634573119682408	0.000828682997938678	0.784742775443082
KIRP	ARID1A	cg14851949	-0.0528435066322137	276	-0.874339644484642	0.382701824915937	0.00279243619318881	0.580994589846621
KIRP	ARID1A	cg17385674	0.0160410890497776	292	0.272733605537356	0.785252773074686	0.000257316537902894	0.881393472435704
KIRP	ARID1A	cg20413923	0.151254756284873	276	2.52822643616709	0.0120281933338977	0.0228780012987962	0.0492277605333143
KIRP	ARID1A	cg21294655	0.212466836158178	276	3.59255242554362	0.000388304213373129	0.0451421564670659	0.00303047130569314
KIRP	ARID1A	cg24542126	-0.155197337323932	276	-2.59573206858417	0.00994977540017026	0.0240862134841923	0.0424523022805268
KIRP	ARID1A	cg25601319	-0.112992131069246	276	-1.87896954061016	0.0613139913959484	0.0127672216835697	0.167240301765591
KIRP	ARID2	cg00035453	-0.320236968706898	276	-5.58532017706297	5.63517794291339e-08	0.102551716126583	1.29929766713398e-06
KIRP	ARID2	cg01183821	-0.115956724855102	276	-1.92893158609542	0.054775902641028	0.0134459620391217	0.154185930819414
KIRP	ARID2	cg01353809	-0.278270861778252	276	-4.7868574233665	2.77955579981433e-06	0.0774346725148108	4.23156093719679e-05
KIRP	ARID2	cg01751433	0.0802772256139338	276	1.33069215885049	0.184400696669258	0.00644443295227042	0.362825822376642
KIRP	ARID2	cg06613666	0.178399981686873	276	2.99570845597598	0.00298959792733735	0.0318265534658765	0.0164141986844013
KIRP	ARID2	cg07276957	-0.163056505748069	276	-2.73068106218401	0.00673179674657538	0.02658742406677	0.03140966809231
KIRP	ARID2	cg23465749	-0.0542245776595269	275	-0.895612300652739	0.371251760216437	0.00294030482235406	0.569929145225012
KIRP	ARID4A	cg02136725	-0.09408471139991634	276	-1.56146093536228	0.119573481904152	0.00885193340830436	0.270103645612579
KIRP	ARID4A	cg06154646	0.210809308534773	276	3.56321686035121	0.000432218145369728	0.0444405645649089	0.00331433991137434
KIRP	ARID4A	cg08066755	0.0467061492557307	276	0.772555347094218	0.440453893155951	0.00218146437829859	0.633071699049967
KIRP	ARID4A	cg08790491	-0.0338305356036504	292	-0.575448501421557	0.565435780920718	0.00114450513922985	0.734804751954459
KIRP	ARID4A	cg10064886	0.0969469143813994	276	1.60940693576676	0.108683094645955	0.00939870420807439	0.252799900280683
KIRP	ARID4A	cg10242170	0.0261057024469875	276	0.431484048649607	0.666456990923782	0.000681507700250647	0.806471593870785
KIRP	ARID4A	cg10844118	-0.207920293915421	276	-3.51216266432056	0.000519947192027678	0.0432308486218751	0.00387477458153091
KIRP	ARID4A	cg12203852	-0.0848080635831532	292	-1.44694998930302	0.148994701364028	0.00719240764872415	0.314320799379358
KIRP	ARID4A	cg14272338	-0.152181491813476	276	-2.54408294617296	0.011507947924805	0.023159206450575	0.0475917973984521
KIRP	ARID4A	cg14460816	-0.0794549659089223	276	-1.31697516447452	0.188951335924914	0.006313091607588	0.368706671045965
KIRP	ARID4A	cg17323045	0.157811863135677	276	2.64056834893423	0.00875333636832676	0.0249045841463537	0.0384786714944687
KIRP	ARID4A	cg19548283	-0.165742214552712	276	-2.77691805940226	0.00586769342174754	0.0274704816848371	0.0281807224380435
KIRP	ARID4A	cg20996579	-0.0278536074122048	276	-0.460395751018983	0.645598682787146	0.000775823445873231	0.792221968716374
KIRP	ARID4A	cg26429530	-0.214742483515236	276	-3.63288067784247	0.000334742339779883	0.0461143342262913	0.00267828299710339
KIRP	ARID4A	cg27026909	-0.262208016023593	276	-4.48946773630959	1.05418605233774e-05	0.0687530436670286	0.000137277117100038
KIRP	ARID4B	cg05652840	0.0877732738423024	275	1.455877146113435	0.146577172076062	0.00770414760099581	0.310873078639182
KIRP	ARID4B	cg06212607	-0.224692051600989	290	-3.91321208235611	0.00011371026023818	0.0504865180526614	0.00107576018301945
KIRP	ARID4B	cg06891548	-0.159899873544136	274	-2.67150995415664	0.00800646102604577	0.0255679695594308	0.0359636600877767
KIRP	ARID4B	cg07814876	-0.336379467919841	275	-5.90182052364261	1.06291390024751e-08	0.113151146438036	2.89727834463401e-07
KIRP	ARID4B	cg10107779	0.166254199842989	275	2.7857395408165	0.00571473289157619	0.0276404589654326	0.0275948126181604
KIRP	ARID4B	cg11732257	-0.189307302968727	275	-3.18546999368092	0.0016128619708316	0.0358372549572934	0.0098257491915612
KIRP	ARID4B	cg22596515	0.128782605430489	275	2.1457054662498	0.0327783766342803	0.0165849594614651	0.105431283878574
KIRP	ARID4B	cg23687319	-0.0249330945649773	291	-0.423994418109458	0.671885300756538	0.0006216592045861	0.809992863788545
KIRP	ARID4B	cg26020585	0.0943608380947126	275	1.56608469143544	0.118487164234585	0.00890396776593656	0.268429204533194
KIRP	ASH1L	cg03119126	-0.214457453073682	276	-3.62782608352267	0.00034105258607489	0.0459919991788505	0.00272149398718945
KIRP	ASH1L	cg08095278	0.10624685707122	276	1.76547917632908	0.0786011246435131	0.0112883946375122	0.200357019906205
KIRP	ASH1L	cg09410084	0.225315153676457	276	3.82107262577303	0.000164577400880751	0.0507669184762456	0.00147365726566726
KIRP	ASH1L	cg10558228	-0.176279835325072	272	-2.93720055279704	0.00359869118403386	0.0310745803422344	0.0190420746817256
KIRP	ASH1L	cg17038116	0.0536021455013455	292	0.912548378978708	0.362240720749529	0.00287319000234742	0.561145276289628
KIRP	ASH1L	cg20064047	-0.0565786448744909	276	-0.936332502778423	0.349929559863175	0.00320114305583376	0.548977881763572
KIRP	ASH1L	cg21852905	-0.0829508565807604	276	-1.37531290850775	0.170161950126362	0.00688084460748188	0.343886806986289
KIRP	ASH1L	cg23821590	-0.0582115749763191	276	-0.963446814648164	0.336175958410444	0.00338858746122362	0.535720202559389
KIRP	ASH1L	cg24312492	0.0515546456810831	276	0.852956827668393	0.394430960854505	0.00265788149130202	0.591186678394609
KIRP	ASH1L	cg26185843	-0.279956238450816	276	-4.81830698504333	2.40476263901556e-06	0.0783754954475304	3.7169899610486e-05
KIRP	ASH2L	cg00590869	0.0596092341249763	276	0.986660677918618	0.324682658113926	0.00355326079296624	0.524054166258242
KIRP	ASH2L	cg01642070	-0.143474293292369	276	-2.39536673449405	0.017277691513548	0.0205848728357447	0.0650707171574823
KIRP	ASH2L	cg02897270	-0.0734327849315911	276	-1.21659332746716	0.224809744416726	0.00539237390280931	0.414125873835564
KIRP	ASH2L	cg03189282	-0.269371046390776	276	-4.62156966061701	5.87914084972719e-06	0.0725607606336616	8.21263931161208e-05
KIRP	ASH2L	cg03705346	0.00758440997592233	276	0.125318623426433	0.900363542468757	5.75232746828701e-05	0.947433830380797

KIRP	ASH2L	cg10062221	0.0231220449436751	276	0.382141046667046	0.702654052481612	0.000534628962377332	0.82986482165016
KIRP	ASH2L	cg21453287	-0.0349495833519058	276	-0.577814888306069	0.563865374062462	0.00122147337647181	0.733681389406154
KIRP	ASH2L	cg24318412	0.0232000206235367	292	0.394506534677572	0.693498073095829	0.000538240956932526	0.824167263953818
KIRP	ASH2L	cg27255459	0.0829847803921199	276	1.37587925963748	0.169986705113681	0.00688647377672837	0.343648702934271
KIRP	ASXL1	cg00174466	-0.142763633249675	276	-2.38325447098888	0.0178444760607775	0.0203814549786478	0.0667047797161177
KIRP	ASXL1	cg04218270	-0.165852953329868	275	-2.77373179322728	0.00592527450421214	0.0275072021282394	0.0283994088337551
KIRP	ASXL1	cg09065199	0.126580821369483	292	2.16932335551339	0.0308731673589807	0.0160227043385729	0.100791769155573
KIRP	ASXL1	cg10421984	-0.170640658681739	275	-2.85616832549606	0.00461861472348601	0.0291182343953376	0.023263225237868
KIRP	ASXL1	cg12592359	-0.286640960634084	276	-4.94352577838458	1.34114978777428e-06	0.0821630403132305	2.21661213583161e-05
KIRP	ASXL1	cg16926526	-0.0404529861296122	276	-0.668940590915915	0.504098646200033	0.00163644408680259	0.687370295212883
KIRP	ASXL1	cg18793288	0.0532816968845777	276	0.881610422054766	0.3787630534036	0.00283893922290002	0.577301978379303
KIRP	ASXL1	cg24727216	-0.258709266427994	276	-4.42523468445024	1.39363268848823e-05	0.0669304845357106	0.000175006071619457
KIRP	ASXL2	cg05165989	0.239702088987162	276	4.07945904338167	5.92947641008435e-05	0.0574570914648095	0.000615529340600616
KIRP	ASXL2	cg05496738	-0.113751124035166	276	-1.89175588643539	0.0595817873368048	0.0129393182192636	0.163839634392923
KIRP	ASXL2	cg06583696	0.203397660216922	276	3.432431714208	0.000690956065244934	0.0413706081817183	0.00493411383694368
KIRP	ASXL2	cg09476286	-0.224840704826783	276	-3.8125976567655	0.000170028388588657	0.0505533425470047	0.0015151418627567
KIRP	ASXL2	cg19084174	-0.259842976196665	276	-4.44602769356143	1.27366182775642e-05	0.0675183722787404	0.000161768568536298
KIRP	ASXL2	cg20667782	0.192223091332108	276	3.23640154020191	0.00135974651154938	0.0369497168412718	0.00866837008272332
KIRP	ASXL2	cg24738909	-0.0240543475003009	276	-0.397558079987791	0.691266635497082	0.000578611633665233	0.822570922691202
KIRP	ASXL3	cg09963640	-0.30440415990299	276	-5.28016301766467	2.63760300962085e-07	0.092661892566245	5.19467565899859e-06
KIRP	ASXL3	cg12361352	-0.131329909629324	270	-2.16469745940295	0.0312970903712957	0.0172475451632465	0.101884163214821
KIRP	ASXL3	cg17880622	-0.117696793130826	276	-1.9582810532735	0.0512152626407184	0.0138525351132805	0.146824887303657
KIRP	ASXL3	cg20034091	-0.252565297263553	276	-4.31288804475854	2.25364830422133e-05	0.063789229381827	0.000265959217503936
KIRP	ASXL3	cg20329085	-0.182892882932967	276	-3.07373146729965	0.00232801399387439	0.033449806627532	0.0134411103339368
KIRP	ASXL3	cg24880056	-0.19602835440088	276	-3.30300410680735	0.00108418912141144	0.0384271157291168	0.00718182974379103
KIRP	ASXL3	cg27109877	-0.140678501512253	276	-2.34773778899215	0.019601965371953	0.0197904407877328	0.0717101008298009
KIRP	ATAD2B	cg08192560	-0.0487492469599881	276	-0.806428554590013	0.420697726577241	0.00237648907916591	0.615879543261348
KIRP	ATAD2B	cg14009731	0.0319358015045828	276	0.527935327401425	0.597973065120938	0.00101989541774012	0.758632162620748
KIRP	ATAD2B	cg15717719	0.12700957231235	276	2.11567636239558	0.0352778728209766	0.0161314314589661	0.11148574068686
KIRP	ATAD2B	cg16929802	0.184512044417712	276	3.10189811133418	0.00212437493382837	0.0340446945352036	0.0124708439180686
KIRP	ATAD2B	cg17933838	0.199785179045964	276	3.36891108528111	0.000863414814024062	0.0399141177664279	0.00594033202835227
KIRP	ATAD2B	cg19614157	0.00646675387055043	276	0.106850543671735	0.914986026180596	4.1818905622279e-05	0.955064921876516
KIRP	ATAD2B	cg20806130	-0.103915859340635	276	-1.72631790541284	0.0854215653653767	0.0107985058225027	0.212778364523961
KIRP	ATAD2B	cg27610867	-0.037786155402899	276	-0.624775934620136	0.532639949927145	0.00142779354013203	0.709929524386328
KIRP	ATAT1	cg01245721	0.0207939161761721	275	0.343646182979005	0.731376899713171	0.00043238694994167	0.848179581942523
KIRP	ATAT1	cg05093836	-0.187490950328098	275	-3.15378712709929	0.00179162492775743	0.0351528564549333	0.0108642894435526
KIRP	ATAT1	cg06814856	-0.189163617036411	275	-3.18296243167509	0.00162638489650144	0.035782874010298	0.0100487379184536
KIRP	ATAT1	cg07142893	-0.192070170333249	275	-3.23372819447619	0.00137205833058133	0.0368909503318432	0.0087346895064848
KIRP	ATAT1	cg07816366	-0.192237881071664	275	-3.23666010555355	0.00135856116587252	0.0369554029189233	0.00866152330256407
KIRP	ATAT1	cg08081524	-0.210394836842521	274	-3.54936783173214	0.000454796539115819	0.0442659873699908	0.00346323825019342
KIRP	ATAT1	cg08188471	0.110088787486434	271	1.81663229710231	0.0703863018970508	0.0121195411302333	0.185131418662446
KIRP	ATAT1	cg08635134	-0.221797935140898	275	-3.75831294115254	0.000209204926699257	0.0491943240327661	0.00180251279960594
KIRP	ATAT1	cg09532691	-0.211500640385316	275	-3.57544839106438	0.000413369747733966	0.0447325208833986	0.00319056316650622
KIRP	ATAT1	cg12907138	-0.198353122619785	275	-3.34377007550914	0.000942157118611333	0.0393439612530195	0.00638729158041395
KIRP	ATAT1	cg13542073	-0.0509656246509989	275	-0.843186117619138	0.399862517003504	0.0025974948960665	0.596500425494513
KIRP	ATAT1	cg13964084	-0.258307048062547	291	-4.54548037516524	8.0669211179223e-06	0.0667225310787868	0.000108349112819
KIRP	ATAT1	cg15381130	-0.180393214548872	275	-3.03029839898097	0.00267748048096258	0.0325417118552754	0.0150412995765455
KIRP	ATAT1	cg15729859	-0.211483357072367	275	-3.5751425341273	0.000413831503599014	0.0447252103185982	0.00319349350173413
KIRP	ATAT1	cg18298197	-0.0474436903798865	275	-0.784782147493674	0.433261779003554	0.00225090375686253	0.626850951786174
KIRP	ATAT1	cg20629923	-0.191627347219742	275	-3.22598819504798	0.00140828948337658	0.0367210402024756	0.00892153681350145
KIRP	ATAT1	cg22759096	-0.166470711296418	275	-2.78947071914363	0.00565113112893503	0.0277124977195353	0.0273551176058971
KIRP	ATAT1	cg23328390	-0.196704982181922	275	-3.31486309974728	0.0010409416509494	0.0386928500151901	0.00694205013235813
KIRP	ATAT1	cg26934609	-0.188678917751739	275	-3.17450517418146	0.00167277118393886	0.0355997340039676	0.0102789543035813
KIRP	ATF7IP	cg00236831	0.211410067608591	276	3.57384559430784	0.000415794896210062	0.0446942166862692	0.00320596800317159
KIRP	ATF7IP	cg11409060	-0.161018191975392	276	-2.6956312655956	0.00746173988874471	0.0259268581470243	0.0340396758872343
KIRP	ATF7IP	cg11697652	0.196128412222734	16	0.74838019776147	0.466618093664401	0.0384663540810106	0.655881600372097
KIRP	ATF7IP	cg12526346	-0.331314539874854	276	-5.80190403826114	1.81274064563475e-08	0.109769324332486	4.69754649522018e-07

KIRP	ATF7IP	cg12948116	-0.371413547552229	276	-6.60955678896673	2.01629090573652e-10	0.137948023305332	7.5779255581534e-09
KIRP	ATF7IP	cg17439009	0.0122163342794134	276	0.201862032007384	0.840174921308133	0.000149238823226372	0.914394463222514
KIRP	ATF7IP	cg19789919	0.0573874582213587	276	0.949761648497456	0.343073402285553	0.00329332036110819	0.542372221130757
KIRP	ATF7IP	cg21275967	-0.205178642735925	276	-3.46380152081808	0.000618204463444518	0.0420982754349563	0.00448876218305048
KIRP	ATF7IP	cg26637901	-0.0802750154779013	271	-1.3184134863698	0.188490894565256	0.0064440781099773	0.368086468655008
KIRP	ATM	cg01756564	-0.10587608118706	276	-1.75924810919651	0.0796555461619814	0.0112097445675288	0.202414697789416
KIRP	ATM	cg01800843	0.140497485866034	292	2.41238562759992	0.016471384094707	0.0197395435346764	0.0626957067356708
KIRP	ATM	cg01991180	-0.0567361074547903	276	-0.938946789506947	0.348588045896159	0.00321898588912151	0.547756080968339
KIRP	ATM	cg02105423	0.0567733861108155	276	0.939565722048116	0.348270924055391	0.00322321737048774	0.547507088329091
KIRP	ATM	cg03165700	-0.190316351847562	291	-3.28990580693659	0.00112679745744458	0.0362203137805651	0.00741357251390763
KIRP	ATM	cg03569616	-0.142440852413414	276	-2.37775434105463	0.0181072144849266	0.02028939643626	0.0674470890914715
KIRP	ATM	cg04709886	-0.0888282579018224	276	-1.47350853351793	0.14176604518301	0.00789045940187268	0.303950714335989
KIRP	ATM	cg04826772	0.0102622574390013	276	0.169569249696089	0.865474489721312	0.000105313927744338	0.92856111859047
KIRP	ATM	cg05033322	-0.0568076847465795	276	-0.940135181193676	0.347979313763255	0.00322711304626676	0.547225590468751
KIRP	ATM	cg05637308	-0.0145915753011123	276	-0.241118061181043	0.809644605665628	0.000212914069768029	0.897127000529168
KIRP	ATM	cg06053805	-0.0692094334462341	276	-1.14627610722795	0.252684649763481	0.00478994567794871	0.446646284876514
KIRP	ATM	cg06081482	0.00315132603971529	276	0.0520687099877625	0.958512023564797	9.93085580858765e-06	0.978203342094766
KIRP	ATM	cg06750635	-0.0682592400600935	275	-1.12839206803754	0.260148658714022	0.00465932385358147	0.455267468022375
KIRP	ATM	cg09808176	-0.110261727904164	276	-1.8329992899945	0.0678915736209126	0.0121576486404119	0.18034685904941
KIRP	ATM	cg10610482	-0.184249675616786	276	-3.09733222248624	0.00215622899147093	0.033947942964891	0.0126150017419335
KIRP	ATM	cg10976287	0.0142907143948831	276	0.236145467681215	0.813496864107283	0.00020422451791612	0.899524903294226
KIRP	ATM	cg11588932	-0.0155728547407913	276	-0.257336994101488	0.797112491886232	0.000242513804777786	0.888989437075975
KIRP	ATM	cg12019961	-0.110408915851027	272	-1.82197999625731	0.0695683935019909	0.0121901286993993	0.183559269368513
KIRP	ATM	cg12106634	-0.0711079768064801	276	-1.17787824907583	0.23987090605572	0.00505634436551091	0.431796493560226
KIRP	ATM	cg12848864	-0.155673197982311	276	-2.60388837211885	0.00972179102021164	0.0242341445700399	0.0416717087709469
KIRP	ATM	cg14761454	-0.0597660941398794	269	-0.976501080982842	0.329703435761636	0.00357198600873693	0.529337740669424
KIRP	ATM	cg15370815	0.122576939831041	276	2.04069226322338	0.0422433211779277	0.0150251061783425	0.127414583115528
KIRP	ATM	cg15504467	-0.0861159025293064	276	-1.42817371134399	0.154384867046612	0.007415948668437	0.321886158528733
KIRP	ATM	cg16693212	-0.0267015053517451	276	-0.441338632071336	0.659317200911931	0.00071297038804927	0.80172111001881
KIRP	ATM	cg16788234	0.0242753618390735	276	0.401213037145646	0.688577140010377	0.000589293192417948	0.821053338386317
KIRP	ATM	cg17114932	-0.121323101199333	276	-2.01950455705765	0.0444118071895405	0.0147192948846237	0.132288246295636
KIRP	ATM	cg17420659	-0.097946603742303	276	-1.62616261414629	0.10506879709881	0.00959353718465173	0.246761321141916
KIRP	ATM	cg18042593	-0.0860112912115947	276	-1.42642586541643	0.154888025188971	0.00739794221588575	0.322637694008734
KIRP	ATM	cg18391757	0.0696105319466765	276	1.15295152477456	0.249938777006265	0.00484562615789927	0.443562596230873
KIRP	ATM	cg18457775	-0.0400205369709092	292	-0.680894622196443	0.496483347202262	0.00160164337943991	0.68119445878515
KIRP	ATM	cg19288979	0.167841232591206	276	2.81309879588132	0.00526305509007287	0.0281706793577353	0.0258236586362112
KIRP	ATM	cg20342375	-0.0582227729340408	276	-0.963632779894156	0.336082852443219	0.00338989128812888	0.53565313302536
KIRP	ATM	cg22477592	-0.187222595946476	292	-3.24007674062382	0.00133452930066725	0.0350523004329373	0.00852997883625897
KIRP	ATM	cg22678707	-0.0881793893422917	276	-1.46266025408048	0.144710633068988	0.00777560470477947	0.308208371816482
KIRP	ATM	cg22837512	-0.0738880655684639	276	-1.224177444002284	0.221940688468379	0.00545944623344962	0.410373729439524
KIRP	ATM	cg23275463	-0.0661721695543424	274	-1.09172421160828	0.275923969483575	0.00437875602352864	0.472407000352243
KIRP	ATM	cg23389069	-0.0331230133560946	276	-0.547582466502913	0.584426025191756	0.00109713401378802	0.749078036349631
KIRP	ATM	cg24030675	-0.0304691101614196	276	-0.503666168910889	0.614902160925488	0.000928366674028724	0.7709075376875
KIRP	ATM	cg24568245	-0.133764317701485	275	-2.22610325004502	0.0268267147962208	0.0178928926901437	0.0908202032663389
KIRP	ATM	cg25400013	-0.108195243219121	276	-1.79823504821806	0.0732444514557386	0.0117062106552447	0.190617887000695
KIRP	ATM	cg25740661	0.0142203695380932	276	0.234982825505227	0.814398219157423	0.000202218909799928	0.900137522634679
KIRP	ATM	cg25918541	-0.0808291562808658	276	-1.3399010369899	0.181391723350062	0.00653335250507663	0.358665089151337
KIRP	ATM	cg27453365	-0.0358884673925971	276	-0.593357037734578	0.55343349473966	0.00128798209178951	0.725385495084952
KIRP	ATM	cg27599391	-0.14116239522241	276	-2.35597723849123	0.019181234948925	0.0199268218249278	0.0704458970643315
KIRP	ATR	cg00911981	0.0567350771122208	276	0.938929682923004	0.348596813398469	0.00321886897492964	0.547756080968339
KIRP	ATR	cg00969988	-0.147838625956157	276	-2.46983477367493	0.0141293358479874	0.0218562593246045	0.0557307485148471
KIRP	ATR	cg11458642	-0.0517633656196205	292	-0.881158515710915	0.378964251090158	0.00267944602027051	0.577523570550963
KIRP	ATR	cg11936145	-0.129791273193892	276	-2.16279815873151	0.0314249216648636	0.0168457745972914	0.102193393361608
KIRP	ATR	cg15135999	-0.0255789697438053	276	-0.422772720304228	0.672794231689135	0.000654283693154507	0.810658485534115
KIRP	ATR	cg15291273	-0.0463064238685392	276	-0.765929314760763	0.444380081466796	0.00214428489149282	0.636357184677919
KIRP	ATR	cg15480357	0.116068685857237	276	1.93081947032421	0.0545407796671675	0.0134719398366259	0.153746617872509
KIRP	ATR	cg16031872	-0.00476116017411195	276	-0.0786681682930421	0.93735419537728	2.26686462035497e-05	0.966537894237855

KIRP	ATR	cg17945282	-0.118402548408428	276	-1.97019011785025	0.049827092469834	0.0140191634696101	0.143921911097845
KIRP	ATR	cg20032934	-0.145247788264414	276	-2.42561016529494	0.0159312333026312	0.0210969199957039	0.0610959807965457
KIRP	ATR	cg20636078	-0.0647756084157591	292	-1.10350285911017	0.270726846737613	0.00419587944563176	0.466932254636865
KIRP	ATR	cg24631870	0.0136637493477716	276	0.225783268051203	0.821538928614668	0.00018669804623873	0.904204699928634
KIRP	ATR	cg24856922	0.121109320246287	276	2.01589301042209	0.0447907021091091	0.0146674674505176	0.133116132330228
KIRP	AURKB	cg02245743	-0.0575969784642533	276	-0.953240726192787	0.341311354991529	0.00331741192821166	0.540508924468644
KIRP	AURKB	cg04612488	0.0378622920181036	276	0.626036622437538	0.53181397600323	0.00143355315686415	0.709358854126078
KIRP	AURKB	cg05617798	-0.191792855185088	276	-3.22888082958442	0.00139464641748336	0.0367844993000481	0.008854672119756
KIRP	AURKB	cg05811247	0.0260937471379867	276	0.43128631251532	0.666600567824008	0.000680883639701192	0.806517067394769
KIRP	AURKB	cg11009596	-0.237596579897958	292	-4.15821688946318	4.23203809712767e-05	0.056452134779207	0.000459429488875174
KIRP	AURKB	cg12844497	-0.0617047139217762	292	-1.05098283851388	0.294144481386345	0.00380747172016824	0.491895783163615
KIRP	AURKB	cg13678641	0.0355992838178201	276	0.58856976929947	0.556636552061647	0.00126730900834171	0.728001478280552
KIRP	AURKB	cg21724796	0.0739518376813168	276	1.22523982390118	0.22154090582055	0.00546887429644382	0.409985327863641
KIRP	BAP1	cg00794529	-0.244778421803475	275	-4.17129815364178	4.07308864693274e-05	0.0599164757805998	0.00044517217348443
KIRP	BAP1	cg02503646	-0.0739351605996702	275	-1.22496199782768	0.221645403623581	0.00546640797289903	0.410129930295724
KIRP	BAP1	cg03075736	-0.125894340065276	275	-2.0967987305251	0.0369315013336742	0.0158493848604714	0.115411312555308
KIRP	BAP1	cg05442719	-0.0168645030050416	275	-0.278686953835761	0.780696055468646	0.000284411461607057	0.878895964503601
KIRP	BAP1	cg05908979	0.03078793527553	275	0.508941445818204	0.611204345198616	0.000947896958530225	0.76816748247732
KIRP	BAP1	cg09096430	0.0655765420468093	275	1.08583951863682	0.278507866595231	0.00430028286681695	0.475449659291406
KIRP	BAP1	cg10449522	-0.127863231060984	275	-2.1301318234067	0.0340549487979737	0.0163490058573546	0.108509960548416
KIRP	BAP1	cg10956904	-0.20292876869338	275	-3.42417869529844	0.000711384455434977	0.0411800851634111	0.00505355148626688
KIRP	BAP1	cg11234564	0.0687867091864437	275	1.13924138016127	0.255601120822902	0.00473161136070038	0.449889895318721
KIRP	BAP1	cg12859382	0.137213600726535	275	2.2887893128131	0.0228555618878841	0.018827572224341	0.0805374634916908
KIRP	BAP1	cg16841708	-0.0299163128920203	275	-0.494519955001508	0.62133672523002	0.000894985777053257	0.775626521647397
KIRP	BAP1	cg24291822	-0.19490996211676	275	-3.28341322611971	0.00115931076955024	0.0379898933323567	0.00759473027422244
KIRP	BAP1	cg24747396	0.120724605181611	291	2.06743946210079	0.0395827594084813	0.0145744302962558	0.121572157820024
KIRP	BAP1	cg25749966	-0.195756587519571	275	-3.29824233621256	0.00110201997511906	0.0383206415573076	0.00727393025151978
KIRP	BAZ1A	cg00169548	-0.373916414296513	16	-1.5084892973224	0.153662252326551	0.139813484880362	0.320955866760416
KIRP	BAZ1A	cg05294307	0.12995694051638	274	2.15765897173435	0.031833157668298	0.0168888063883778	0.10312437193502
KIRP	BAZ1A	cg07414384	-0.148508795909484	292	-2.55295907209022	0.0111951575092054	0.0220548624624847	0.0465564903862329
KIRP	BAZ1A	cg23422263	-0.0651152593962247	276	-1.07816879873566	0.281910158374149	0.00423999700623763	0.479018824903535
KIRP	BAZ1A	cg26967526	0.142716980360545	276	2.38245946583928	0.0178822441990424	0.0203681364832323	0.0667951214249176
KIRP	BAZ1B	cg00525989	0.184929358612089	276	3.10916186158915	0.00207459222847835	0.0341988676766788	0.0122534984300543
KIRP	BAZ1B	cg04742505	0.118657531233443	276	1.97449349592435	0.0493333381792518	0.0140796097184155	0.142924148525367
KIRP	BAZ1B	cg05166819	0.0996993540911228	276	1.65555229020829	0.0989615358126954	0.00993996120618707	0.236458434701543
KIRP	BAZ1B	cg06059318	0.158347535768557	276	2.64976154781388	0.00852461358213014	0.0250739420839745	0.0377233811761552
KIRP	BAZ1B	cg06394887	0.0856321094151623	276	1.42009089378859	0.156722192442757	0.00733285816289033	0.325251333570544
KIRP	BAZ1B	cg14093368	-0.00230379645919142	292	-0.039164643739137	0.968786163040104	5.30747812538291e-06	0.983580451165309
KIRP	BAZ1B	cg15636799	0.0775035153513608	276	1.28443170478833	0.200079806519544	0.00600679489181861	0.383034955910557
KIRP	BAZ1B	cg19160975	-0.1242896993528	276	-2.06965099244839	0.0394256693609654	0.0154479293652094	0.121209315612826
KIRP	BAZ1B	cg20612831	0.0463433799257471	276	0.76654189988757	0.444016259965421	0.00214770886294214	0.636035223682513
KIRP	BAZ1B	cg21340129	-0.00434676272725728	276	-0.0718209856265384	0.942796959344198	1.88943462070732e-05	0.969564024258568
KIRP	BAZ1B	cg25710357	0.27314422163107	276	4.69148590258123	4.29317912849398e-06	0.0746077658104429	6.22059186295513e-05
KIRP	BAZ2A	cg14634319	0.0535281911797465	292	0.911285725149369	0.36290432013547	0.00286526725097549	0.561893533170503
KIRP	BAZ2A	cg18206859	0.12971864341728	276	2.16156716083206	0.0315207593298552	0.0168269264500195	0.102445101575316
KIRP	BAZ2A	cg18955060	-0.230287053635721	276	-3.91005822182131	0.000116488078743532	0.0530321270722216	0.00109816694107784
KIRP	BAZ2A	cg25683012	0.00190445076669953	292	0.0323757217462276	0.974194771656551	3.62693272278243e-06	0.986530472364874
KIRP	BRD7	cg03021120	-0.179860071808959	276	-3.02104264593902	0.00275792453019074	0.0323496454311241	0.0153942728637195
KIRP	BRD7	cg16433860	-0.171087768783163	276	-2.86913702252583	0.00443759834845189	0.0292710246272011	0.0225478659158259
KIRP	BRD7	cg16834187	0.0660469143660216	292	1.12525451635333	0.261414837676466	0.00436219489727259	0.456784570926147
KIRP	BRD8	cg01096096	0.106684154802088	276	1.77282913260232	0.0773720740597249	0.0113815088858358	0.198224374424576
KIRP	BRD8	cg03204906	-0.0281037839656581	276	-0.464534204570791	0.642635310521223	0.000789822673188384	0.790143530949218
KIRP	BRD8	cg03684156	0.00109637148500852	276	0.0181150407865703	0.985560311188193	1.2020304331398e-06	0.992449308107985
KIRP	BRD8	cg07430605	0.0176169559965155	292	0.299534736919709	0.764747379642683	0.000310357138583165	0.869459373795
KIRP	BRD8	cg07632946	-0.070174652293918	276	-1.16234104020762	0.246112063861147	0.00492448182457229	0.439119329740466
KIRP	BRD8	cg08976717	0.0186424033228049	276	0.308076593412718	0.75825897698894	0.000347539201650129	0.865205768075884
KIRP	BRD8	cg11110536	-0.120418838645408	276	-2.00423017832515	0.0460330469878124	0.0145006967007088	0.135807002820353

KIRP	BRD8	cg11346339	-0.048209273120245	276	-0.797475176903454	0.42586818239929	0.00232413401478238	0.620560054577307
KIRP	BRD8	cg12964860	-0.0767967767581584	276	-1.27264942801012	0.204225260759822	0.00589774492044242	0.388281451017886
KIRP	BRD8	cg14473243	0.0582387622668974	276	0.963898316465747	0.335949936962178	0.00339175343038019	0.535518091019726
KIRP	BRD8	cg22106577	0.169828308455822	276	2.84738625405162	0.00474286531835124	0.0288416543529657	0.0237797412075159
KIRP	BRD8	cg22818036	-0.00292680422317962	276	-0.0483589493380175	0.961465533753817	8.56618296082207e-06	0.979823418084945
KIRP	BRD8	cg23298160	-0.00196924272585671	276	-0.0325372928006777	0.974067351847923	3.87791691333958e-06	0.986465403984912
KIRP	BRD8	cg26008208	-0.0197349454870252	276	-0.326138329968431	0.74456956214802	0.000389468073375858	0.856483814331392
KIRP	BRD8	cg26630792	-0.00278754856365723	276	-0.0460580400506512	0.963297662731699	7.77042699474749e-06	0.98069861073493
KIRP	BRD8	cg27119451	0.016987770307227	292	0.288833774682206	0.772915652424996	0.000288584340011104	0.87408344620948
KIRP	BRD9	cg02364331	-0.0151372232425103	276	-0.25013663393102	0.802669815498817	0.000229135527493595	0.8923770520792
KIRP	BRD9	cg02822723	0.0648968707015086	292	1.10557738536185	0.26982899500895	0.00421160382684832	0.465898942131311
KIRP	BRD9	cg05193570	0.0238350502770019	276	0.393931576752743	0.69393907048005	0.00056810962170721	0.824515954518223
KIRP	BRD9	cg07308931	-0.00745144232645207	276	-0.12312145102063	0.902101517416244	5.55239927444415e-05	0.948281470876085
KIRP	BRD9	cg09497020	-0.00393503110386261	276	-0.0650178876165722	0.948207342463103	1.54844697883662e-05	0.972477897445242
KIRP	BRD9	cg10551270	-0.1354187527042	276	-2.2582873183931	0.0247173524513423	0.0183382385839614	0.0854681179038013
KIRP	BRD9	cg10600960	-0.0478227383368908	276	-0.791066423371449	0.429591942062849	0.00228701430203873	0.623629392988062
KIRP	BRD9	cg13722821	-0.0418729518507443	276	-0.692462037466783	0.489235799941854	0.00175334409669475	0.675222826183809
KIRP	BRD9	cg17977043	-0.0352260620049943	276	-0.582391514614852	0.560783671469285	0.0012408754443797	0.731376907831642
KIRP	BRD9	cg20079193	-0.0322292306835474	276	-0.532791068168191	0.594611627326555	0.00103872331045332	0.756170482667877
KIRP	BRD9	cg21160852	-0.0583616951383247	276	-0.965939900768285	0.334929149581654	0.00340608745941876	0.534504241544202
KIRP	BRD9	cg21758832	-0.0928773332999198	276	-1.54124734732024	0.124414895371394	0.00862619904090439	0.277486593191577
KIRP	BRD9	cg21910709	-0.1843555881329	276	-3.09917528886406	0.00214331815703579	0.0339869828758275	0.0125599826036332
KIRP	BRD9	cg24953233	-0.0854962116145956	276	-1.41782060738222	0.15738352500294	0.00730960220044771	0.326068454269357
KIRP	BRD9	cg25523559	-0.00934427229631931	276	-0.154399457529345	0.87740886285197	8.73154247477605e-05	0.935004633903042
KIRP	BRD9	cg25951128	-0.0570414237101188	276	-0.944016030710696	0.345996155610717	0.00325372401887731	0.545275305989914
KIRP	BRD9	cg26504197	-0.00146042664115609	276	-0.0241302339989597	0.980766355192942	2.13284597419847e-06	0.990066386575959
KIRP	BRDT	cg00308185	-0.129607361549317	275	-2.15968111950463	0.0316680834528906	0.0167980681677755	0.102739350437223
KIRP	BRDT	cg01515515	-0.00538058750226369	275	-0.0889031826786615	0.929224037504558	2.89507218695163e-05	0.962557320554322
KIRP	BRDT	cg02935097	0.000163642458851136	275	0.00270381719616454	0.99784464331161	2.67788543388457e-08	0.99891225706809
KIRP	BRDT	cg03421440	-0.0632412365224523	275	-1.04701255185299	0.29601988357876	0.00399945399688876	0.493995126737586
KIRP	BRDT	cg06442199	-0.0457101773340032	275	-0.75604634149265	0.45027328969164	0.00208942031190602	0.641176799393001
KIRP	BRDT	cg09250199	-0.127441948218497	275	-2.1229974159399	0.0346538850585864	0.0162414501657262	0.110017316937956
KIRP	BRDT	cg13299824	-0.166445326597612	275	-2.7890332388932	0.00565855505742801	0.0277040467461856	0.0273825349675015
KIRP	BRDT	cg14732540	-0.00940674358710854	291	-0.159921716619843	0.873054456290339	8.84868249136077e-05	0.932714754243021
KIRP	BRDT	cg19245011	-0.0672689353553971	275	-1.11398853929358	0.266263907044466	0.00452510966384859	0.462081655801575
KIRP	BRPF1	cg04879506	-0.195097958569406	276	-3.28670542716078	0.0011463576748241	0.0380632134379495	0.00752127426459188
KIRP	BRPF1	cg13694772	0.0514754562002381	276	0.851643176930738	0.395158599310379	0.00264972259102263	0.591809796603104
KIRP	BRPF1	cg14712964	-0.0621809294144569	292	-1.05912532013546	0.290427111673921	0.00386646798284567	0.488011895491307
KIRP	BRPF1	cg17738494	0.033729806304305	292	0.573733168118121	0.566594594788553	0.00113769983332593	0.735583924217827
KIRP	BRPF1	cg20952324	0.122029666962154	276	2.03144308384514	0.0431786078152713	0.0148912396188942	0.129517509789135
KIRP	BRPF1	cg25467642	-0.0228649059459815	276	-0.377889041514659	0.705806666259475	0.000522803923918579	0.832223434981621
KIRP	BRPF1	cg26227975	-0.0353630136440395	276	-0.584658561847583	0.559260182508667	0.00125054273398852	0.730119428721395
KIRP	BRPF3	cg01499736	-0.180439112302829	276	-3.03109534693198	0.00267065581565353	0.0325582732486331	0.0150094638435884
KIRP	BRPF3	cg05882415	-0.0711158227066099	276	-1.17800887420532	0.239818915022188	0.00505746023923797	0.43173746038119
KIRP	BRPF3	cg10562781	0.156307760397287	276	2.61476773066112	0.0094249822191845	0.0244321159604158	0.0406727168557852
KIRP	BRPF3	cg14654948	-0.170516966200808	276	-2.85927752447202	0.00457368458963545	0.0290760357623275	0.0230847478729709
KIRP	BRPF3	cg18779695	0.0905992774820838	276	1.50312745542152	0.133962063731745	0.00820822908027561	0.292138165726106
KIRP	BRPF3	cg23517469	0.0460622819878628	276	0.761882487954341	0.446787832997924	0.00212173382192939	0.638523949741714
KIRP	BRWD3	cg03164831	0.166649577360924	291	2.87322140991601	0.00436432624589857	0.0277720816345746	0.0222664215617414
KIRP	BRWD3	cg05835545	0.19516891557411	275	3.28794812680554	0.00114150336477549	0.0380909056063741	0.00749448162371039
KIRP	BRWD3	cg09523186	0.140032532175837	275	2.3367412877062	0.0201760942345398	0.0196091100675769	0.0733150356380413
KIRP	BRWD3	cg11957438	0.0585517010603178	264	0.949370839059144	0.343306920476157	0.00342830169705682	0.542664199360402
KIRP	BRWD3	cg15511898	0.110050618028204	275	1.82944671649839	0.0684233072759398	0.0121111385283897	0.181317947046994
KIRP	BRWD3	cg22618269	0.11800030168485	275	1.96340215124061	0.0506143861580571	0.0139240711977157	0.145628210547374
KIRP	BRWD3	cg25063710	0.140718534585813	291	2.41625771677324	0.0163007640116979	0.0198017059759786	0.0621927002815269
KIRP	BRWD3	cg25708850	-0.070147102124647	253	-1.11408347079033	0.266309049730592	0.00492061593648566	0.462116229805483
KIRP	CARM1	cg12317676	-0.00287079758140645	292	-0.0488037599918996	0.961109395996924	8.24147875340913e-06	0.979633195133639

KIRP	CARM1	cg17918830	0.0316769582454093	276	0.523652036718218	0.600945401424164	0.00100342968368141	0.760837737607328
KIRP	CARM1	cg22378614	0.0211768008584844	276	0.349976657604427	0.726626063901384	0.000448456894599905	0.845192752613899
KIRP	CARM1	cg26504915	0.060334202719046	276	0.998704040157944	0.318822462776926	0.00364021601774294	0.518175591126463
KIRP	CBX1	cg01544580	0.270718909469488	276	4.64651873542762	5.25745198583508e-06	0.0732887279443486	7.4349794543911e-05
KIRP	CBX1	cg01553295	0.122679356935278	276	2.04242337208657	0.0420701979124247	0.0150502246180533	0.127046365917732
KIRP	CBX1	cg02835499	0.0394989617235508	276	0.653139657383136	0.51421591823498	0.00156016797723853	0.695761844184492
KIRP	CBX1	cg04864609	0.0156333902215019	276	0.25833756976796	0.796341046476765	0.00024440288981775	0.888484467824802
KIRP	CBX1	cg11729481	0.0695041661873317	276	1.15118124201521	0.250664916425563	0.00483082911739622	0.444303961582474
KIRP	CBX1	cg12245530	-0.0075478390820637	276	-0.124714321202317	0.900841501188249	5.69698748087281e-05	0.947745100933662
KIRP	CBX1	cg13342109	0.0744140527701635	276	1.2329403484526	0.218658646673875	0.00553745124968068	0.406449804290158
KIRP	CBX1	cg17778721	0.0716363746160581	292	1.22095522887109	0.223098139424232	0.00513177016813221	0.411848239443029
KIRP	CBX1	cg21511817	-0.061704332259252	276	-1.0214693272014	0.307936451904296	0.00380742461956017	0.506518642961857
KIRP	CBX4	cg04398978	0.15261599843942	292	2.62522500240558	0.00912005236616356	0.0232916429796611	0.0397376670056234
KIRP	CBX4	cg04925705	-0.0540022803967926	276	-0.893567990472052	0.37234011790806	0.00291624628805381	0.570957721606474
KIRP	CBX4	cg05949524	0.0191838817698453	276	0.317028088570695	0.751464596830845	0.000368021319759401	0.860808435595787
KIRP	CBX4	cg07159673	0.357376524949542	276	6.32235510303045	1.04668019810143e-09	0.127717980585011	3.45107547806886e-08
KIRP	CBX4	cg10756274	-0.0165793355677823	276	-0.2739732374982	0.784312368532316	0.00027487436786913	0.881003759928425
KIRP	CBX4	cg21365914	-0.0214018921282505	276	-0.353698305663625	0.723837988489863	0.000458040986669269	0.843523465704662
KIRP	CBX4	cg22353329	0.254928082171193	276	4.35602622712335	1.87600863293068e-05	0.0649883270794823	0.000226688747421885
KIRP	CBX4	cg27487227	-0.0110253667963346	276	-0.182180029443031	0.85557664802062	0.000121558712993718	0.923157460659872
KIRP	CBX5	cg03689456	-0.401748489426253	276	-7.24867495726342	4.33273207427405e-12	0.161401848756277	2.19726570395095e-10
KIRP	CBX5	cg05754589	-0.141950561380389	292	-2.4378457827913	0.0153778209681966	0.0201499618762076	0.0595382573234404
KIRP	CBX5	cg06399839	-0.396226797460679	276	-7.13034044870005	8.97803515308918e-12	0.156995675025946	4.30621474342901e-10
KIRP	CBX5	cg06621757	-0.0694058009784779	276	-1.14954415034704	0.251337739914718	0.00481716520946408	0.445003599138002
KIRP	CBX5	cg08288469	0.225892247702069	276	3.83138498248481	0.000158167520595213	0.051027307571893	0.0014244598399148
KIRP	CBX5	cg09060496	-0.359976755279352	276	-6.37517579955848	7.76108891806915e-10	0.129583264341451	2.62278953645644e-08
KIRP	CBX5	cg09158487	-0.365906011415488	276	-6.49626364224897	3.88440903039012e-10	0.133887209189991	1.38172709698294e-08
KIRP	CBX5	cg09653879	-0.143981460328345	276	-2.40401304025706	0.0168828642945395	0.0207306609182827	0.0638917336235701
KIRP	CBX5	cg11005091	0.021434810420174	292	0.36447551610054	0.715769494605213	0.000459451097748801	0.838416178265396
KIRP	CBX5	cg11338003	-0.277919228577844	276	-4.78030191393526	2.86448905472804e-06	0.0772390976133039	4.33878624461668e-05
KIRP	CBX5	cg12263485	0.0976356693287232	292	1.66777463141541	0.0964436055904213	0.00953272392526777	0.232095955370328
KIRP	CBX5	cg12600134	0.0389821089853756	276	0.644580085659129	0.519740587493825	0.0015196048209477	0.700193943432239
KIRP	CBX5	cg13445218	-0.190503993634229	276	-3.20048468173011	0.00153465823530111	0.0362917715905903	0.00957856248050499
KIRP	CBX5	cg14017196	-0.242507928088425	276	-4.13017672092699	4.82285306149942e-05	0.0588100951857409	0.000514098425686882
KIRP	CBX5	cg14394617	0.127827110691383	276	2.12952008056255	0.0341059537613149	0.0163397702277071	0.108641330231256
KIRP	CBX5	cg15708001	-0.320538500799449	276	-5.59118116515938	5.46713647826721e-08	0.102744930494758	1.26354847055948e-06
KIRP	CBX5	cg20545544	-0.416219457263952	276	-7.56333985614968	6.01582447990627e-13	0.173238636605099	3.51875977135209e-11
KIRP	CBX5	cg20927027	0.190948506621619	276	3.21412687126384	0.00146553724353003	0.0364613321810263	0.00922187206367188
KIRP	CBX5	cg21826008	-0.0547883507701536	276	-0.90661386393203	0.365410533135103	0.00300176338011339	0.56431074026857
KIRP	CBX5	cg24505978	-0.0851732134402614	276	-1.41242497241176	0.158963799232408	0.00725447628774032	0.328283243893972
KIRP	CBX5	cg25817259	-0.0579906580606829	276	-0.959778106914367	0.338016157232968	0.00336291642231105	0.537479129584285
KIRP	CBX6	cg03028106	-0.0550029461447336	276	-0.905160869610761	0.366187150601669	0.00302532408460046	0.565087145238932
KIRP	CBX6	cg04134624	0.145703608075388	292	2.5036798916228	0.012842347051456	0.0212295414061861	0.0518641981828534
KIRP	CBX6	cg04215348	-0.123533533715305	276	-2.05686371251907	0.0406494421879067	0.0152605339521904	0.123773247703081
KIRP	CBX6	cg04801716	-0.0118913466734974	276	-0.196491184942819	0.844371923491266	0.000141404125709297	0.916853085786016
KIRP	CBX6	cg06060673	0.0416533037562244	276	0.68882339768249	0.491519415728773	0.0017349977138083	0.677161199057931
KIRP	CBX6	cg09913544	0.04252101823142	276	0.70319851502405	0.482531294334814	0.00180803699143675	0.669509158726591
KIRP	CBX6	cg14498989	0.0192051015546643	276	0.317378890806842	0.751198720435293	0.000368835925724968	0.860644870785511
KIRP	CBX6	cg24649346	0.091696409929127	292	1.56543412781192	0.118575440874338	0.00840823159389051	0.268551075998058
KIRP	CBX6	cg25836955	0.0173219967296918	276	0.286249305024598	0.774904282588185	0.000300051570703452	0.875282940262973
KIRP	CBX7	cg00545295	-0.251576731633917	276	-4.29486397261087	2.43210019548219e-05	0.0632908518996038	0.000283960382121179
KIRP	CBX7	cg01525244	-0.0942709761283333	276	-1.56457989392754	0.118839847971247	0.00888701694018879	0.268969717592086
KIRP	CBX7	cg02523424	-0.042335398812807	276	-0.700123278776923	0.484446511907771	0.00179228599263942	0.671149038294537
KIRP	CBX7	cg03804568	-0.0918436060988993	292	-1.56796840978004	0.117982741715403	0.00843524798124977	0.267621571291348
KIRP	CBX7	cg10339854	-0.0500784661270704	276	-0.828471549753354	0.408127202100954	0.00250785276964014	0.604174971735948
KIRP	CBX7	cg22268271	-0.0275744674902359	276	-0.455778283764681	0.648911744671641	0.000760351257370076	0.794607905949719
KIRP	CBX7	cg26672614	-0.0906916948285891	276	-1.50467345570459	0.13356408659528	0.00822498351088193	0.291539970611483

KIRP	CBX7	cg27062573	-0.0985927803438489	276	-1.63699574718433	0.102783535139568	0.00972053633593044	0.242934384536902
KIRP	CDYL2	cg01442398	-0.0314680743349219	276	-0.520195541092275	0.603348874518203	0.000990239702348173	0.762408588530132
KIRP	CDYL2	cg02461391	-0.029459241958128	276	-0.486957908390896	0.626678899906276	0.00086784693674753	0.77926916672222
KIRP	CDYL2	cg06919916	0.232513326380813	276	3.95000767362636	9.95428332269763e-05	0.0540624469446706	0.00096041611906975
KIRP	CDYL2	cg10112854	0.0640598699591963	276	1.06062121446847	0.289799498252493	0.00410366693918914	0.487270921464611
KIRP	CECR2	cg03927893	-0.205743232853395	276	-3.47375355879429	0.00059666463504459	0.0423302778649664	0.00435512559754727
KIRP	CECR2	cg12632097	-0.0136970197888149	276	-0.226333140312913	0.821111692622088	0.000187608351095187	0.903974682872829
KIRP	CECR2	cg13466481	0.0747776763058757	276	1.23899889452779	0.216410081858449	0.00559170087370632	0.403683161431034
KIRP	CECR2	cg26796679	-0.0874983822994724	276	-1.45127667697735	0.147850952516224	0.00765596690502462	0.312728263061579
KIRP	CHAF1A	cg03006338	0.0369720202495105	276	0.611295971760293	0.541512327114401	0.00136693028133021	0.716459913186465
KIRP	CHAF1A	cg04346879	0.00329516535069038	276	0.0544453624894976	0.956620160096444	1.08581146883905e-05	0.977118625227052
KIRP	CHAF1A	cg05297461	-0.00959561761957252	276	-0.158552922571503	0.874138344666852	9.20758775010506e-05	0.933372474642287
KIRP	CHAF1A	cg07783855	0.0841505383563844	276	1.39534429197715	0.164046029262992	0.00708131310566933	0.335365631982971
KIRP	CHAF1A	cg09700233	-0.0208697668423853	276	-0.344900257915134	0.730434923405335	0.000435547168055527	0.847567299067683
KIRP	CHAF1A	cg18804734	0.0116530331172895	276	0.192552780071102	0.84745238884461	0.000135793180832647	0.918608727256961
KIRP	CHAF1A	cg23811775	0.0530263596891678	276	0.877373616163479	0.381055183326606	0.002811794821885	0.579467266096722
KIRP	CHAF1A	cg24085258	-0.00576728768791387	292	-0.0980455212839069	0.921964112061959	3.32616072751629e-05	0.959059652787966
KIRP	CHAF1B	cg00660452	-0.125552422528919	276	-2.09101268454679	0.0374514513236587	0.0157634108028803	0.116675271485832
KIRP	CHAF1B	cg02544117	0.165238724602549	276	2.75808647175631	0.00620965014922817	0.0273038361082771	0.0294700262081316
KIRP	CHAF1B	cg02908490	-0.183029577507609	276	-3.07610837784775	0.00231015894015068	0.0334998262426138	0.0133628154204835
KIRP	CHAF1B	cg04634639	0.0544230150036218	276	0.900550426774036	0.36862112474536	0.00296186456208444	0.567458430363917
KIRP	CHAF1B	cg07872789	-0.00149703901881338	276	-0.0247351717417955	0.980284270958015	2.24112582384972e-06	0.989801346921421
KIRP	CHAF1B	cg13854874	0.00073394820875525	292	0.0124771229094278	0.990053563348994	5.38679973135041e-07	0.994617907552871
KIRP	CHAF1B	cg25942896	-0.0265354804909538	276	-0.438592533080034	0.66130369047561	0.00070413172488579	0.802957067221159
KIRP	CHD1	cg03255775	0.0915210109449582	276	1.51854839972421	0.130033404009632	0.00837609544438716	0.286211444814039
KIRP	CHD1	cg03833628	-0.0768065039826925	276	-1.27281158070301	0.204167786036289	0.00589923905404335	0.388205229185781
KIRP	CHD1	cg08865521	-0.0219876519799696	276	-0.363383484081252	0.716599661069026	0.00048345683959226	0.838908596177749
KIRP	CHD1	cg11365324	0.0446652493974577	276	0.738728279822206	0.460706633973616	0.0019949845037371	0.650410349218631
KIRP	CHD1	cg12662497	-0.132150729259571	276	-2.20280782653208	0.0284439645980169	0.0174638152438364	0.0948839045129877
KIRP	CHD1	cg16890600	-0.0169812077776975	276	-0.280616061781219	0.779217433795991	0.000288361417589335	0.877945986608952
KIRP	CHD1	cg21082921	-0.0589002425173735	276	-0.974884244977606	0.330480712577085	0.00346923856860542	0.530145717171291
KIRP	CHD4	cg00079216	-0.0337906820242534	276	-0.558632712621123	0.576870314045111	0.0011418101916642	0.743522212999544
KIRP	CHD4	cg00824109	-0.0672742248257264	292	-1.14625864446697	0.252636343222056	0.00452582132590238	0.446581192133805
KIRP	CHD4	cg04344119	0.105469676431902	276	1.75241913413594	0.0808243954276414	0.0111238526466501	0.204463222486275
KIRP	CHD4	cg05147525	0.0747784962292096	276	1.23901255631446	0.21640503041387	0.00559182349830191	0.403683161431034
KIRP	CHD4	cg11565429	0.0491349237911125	276	0.812823946601669	0.417027268523586	0.00241424073595843	0.612533406229209
KIRP	CHD4	cg19509514	-0.243206872330843	276	-4.14282773723296	4.57920161862774e-05	0.0591495827489511	0.000491493392273077
KIRP	CHD4	cg20308811	-0.179004411166234	276	-3.0061934902341	0.00289163131691405	0.03204257921697	0.015983484913174
KIRP	CHRA1	cg00296189	-0.203865225365838	276	-3.4406638405599	0.000671126580197939	0.0415610301134639	0.00480795848419914
KIRP	CHRA1	cg07270064	-0.214442342157257	276	-3.62755814084763	0.000341390194041261	0.0459855181098901	0.00272362924369253
KIRP	CHRA1	cg08877624	0.0791474172749594	276	1.31184531319257	0.190674394365391	0.00626431366129655	0.370944379195289
KIRP	CHRA1	cg12002314	0.00817246629562868	292	0.138936566834608	0.88959704026212	6.67892053531868e-05	0.941467059185646
KIRP	CHRA1	cg18770186	0.154662870144447	276	2.58657345344698	0.0102114742406843	0.023920603401318	0.0433028850956553
KIRP	CHRA1	cg19486048	0.167939349473081	276	2.81479099360321	0.00523621307501191	0.0282036251014415	0.0257195327666041
KIRP	CHRA1	cg22610305	-0.0263545121114973	292	-0.448182377776343	0.654357387808055	0.000694560308635057	0.798335716503667
KIRP	CHRA1	cg23548819	-0.0847071225763919	276	-1.40463978618455	0.161265165608403	0.00717529661517188	0.331460865368704
KIRP	CLOCK	cg05960024	-0.0817039098527321	292	-1.39362585129264	0.164501378542123	0.00667552888522338	0.336114415146976
KIRP	CLOCK	cg06085476	-0.304063287642582	276	-5.27364756199751	2.72403596926146e-07	0.0924544828920154	5.34647092711996e-06
KIRP	CLOCK	cg07236904	-0.13071644326545	276	-2.17848191868108	0.0302257156705326	0.0170867885399695	0.099229679084054
KIRP	CLOCK	cg07500410	-0.0334340200121772	276	-0.552729688005194	0.580900804211436	0.00111783369417466	0.746581341487448
KIRP	CLOCK	cg11774413	-0.0418176192776835	276	-0.691545386750102	0.489810540239682	0.00174871328205328	0.675800247719315
KIRP	CLOCK	cg18928811	0.0918810542837125	276	1.52457312570524	0.128523189418506	0.00844212813628652	0.283833901028311
KIRP	CLOCK	cg22523077	-0.209219725333482	276	-3.53511401926815	0.000478623494530532	0.0437728934686175	0.00360899836517478
KIRP	CLOCK	cg23506964	-0.123943969230268	276	-2.06380400577265	0.0399812816169883	0.0153621075085536	0.122443265180379
KIRP	CREBBP	cg00039463	-0.00342919647036139	276	-0.0566599575872638	0.954857518504642	1.1759388432339e-05	0.975986961471727
KIRP	CREBBP	cg00747661	0.091357545088784	276	1.51581326909202	0.130723572500057	0.00834620104464921	0.287249939244397
KIRP	CREBBP	cg03039399	-0.227591162811394	276	-3.86176840100814	0.000140627557487852	0.0517977373898424	0.00128887608473256

KIRP	CREBBP	cg03264209	0.0340409055796086	292	0.579030977798428	0.56301929474685	0.00115878325267983	0.733046410301866
KIRP	CREBBP	cg08506924	0.160472584179624	276	2.68625530325288	0.00766874150403241	0.0257514502732865	0.0348003311301813
KIRP	CREBBP	cg24567591	0.108883167621778	276	1.8098052813102	0.0714256199505526	0.0118555441913522	0.187099625511256
KIRP	CTCF	cg01866162	-0.196016062182336	292	-3.3981957265272	0.000773618382125869	0.0384222966334695	0.00541505024465537
KIRP	CTCF	cg04487155	-0.0769927702439861	276	-1.27591670718111	0.203069461669236	0.0059278866984323	0.386908235358016
KIRP	CTCF	cg06241380	-0.0444490791473025	276	-0.735145898015458	0.462881698817685	0.00197572063704316	0.652223018435684
KIRP	CTCF	cg07967402	-0.0312754065793869	276	-0.517007441943942	0.605569563625848	0.000978151056705954	0.764196843796989
KIRP	CTCF	cg08324636	0.204208590918609	276	3.44671082651589	0.000656900941021127	0.041701148604964	0.0047251920301246
KIRP	CTCF	cg10218542	0.0327596834547663	276	0.541569486548942	0.588556814160918	0.00107319686005649	0.752113064971519
KIRP	CTCF	cg10481400	-0.0865948576491723	276	-1.43617670229035	0.152096956391057	0.0074986693712804	0.318756212971065
KIRP	CTCF	cg23858565	0.0543610266727113	292	0.925505956352973	0.355474960769214	0.00295512122091123	0.554295832793751
KIRP	CXXC1	cg02159718	-0.03489019230309	275	-0.57683178949631	0.564528419130386	0.0012173255189466	0.734237102934633
KIRP	CXXC1	cg07675399	0.0670102918093092	275	1.10968598723662	0.26811087733683	0.00449037920836878	0.463819139966838
KIRP	CXXC1	cg11871295	-0.0785087163936445	275	-1.30119310952665	0.194289450820134	0.0061636185497777	0.375610177363358
KIRP	CXXC1	cg13423076	-0.111671123303588	291	-1.91035796693852	0.0570767023999838	0.0124704397798853	0.158779077955922
KIRP	CXXC1	cg15632775	-0.00934570747958526	275	-0.1544231737552	0.877390182210455	8.73422482939759e-05	0.935004633903042
KIRP	CXXC1	cg20016845	-0.0952287563758244	291	-1.62627962379619	0.104980050513135	0.00906851604088612	0.246634858740257
KIRP	CXXC1	cg27419474	-0.0749744221109857	275	-1.24227719941574	0.215200374450109	0.00562116397087626	0.402251325836079
KIRP	DAXX	cg00221327	0.00764634656624101	275	0.12564596800593	0.90010567912981	5.84666158110657e-05	0.947355321078881
KIRP	DAXX	cg02173004	-0.133566221828358	276	-2.2268287984316	0.0267745504838614	0.0178399356135022	0.0906751721884775
KIRP	DAXX	cg02328295	0.00748573397156726	276	0.123688089394486	0.901653257986107	5.60362130930761e-05	0.948060627034455
KIRP	DAXX	cg03085224	-0.0817439693451225	276	-1.35516728864175	0.176484477782732	0.00668207652429633	0.352470565430012
KIRP	DAXX	cg03369465	0.0106278456868767	275	0.174643187960555	0.861490894981639	0.000112951103944063	0.926403697444143
KIRP	DAXX	cg03382121	0.040233961912971	276	0.665312863814006	0.506412088529341	0.0016187716912144	0.689440040032495
KIRP	DAXX	cg03902329	-0.0652481459777509	276	-1.08037851290741	0.280927161717959	0.00425732055353389	0.478090178748574
KIRP	DAXX	cg04086445	-0.172142193875606	276	-2.88735798857562	0.00419577189763658	0.0296329349123067	0.0215662952761639
KIRP	DAXX	cg04152866	-0.0373751201642835	276	-0.617970104990958	0.537110219811951	0.00139689960729463	0.713097575561923
KIRP	DAXX	cg04271391	-0.0933068178710359	276	-1.54843685226845	0.1226755945543	0.00870616226121867	0.274828659546643
KIRP	DAXX	cg04488476	0.0415099978630008	276	0.686449383498434	0.493012386605199	0.00172307992258633	0.6784111821552
KIRP	DAXX	cg04973788	-0.129547990132437	276	-2.15867490736089	0.0317469241866275	0.016782681747354	0.1029381494154
KIRP	DAXX	cg05431670	-0.145496464349886	276	-2.42985274348331	0.0157499676360709	0.0211692211383176	0.06058111160843
KIRP	DAXX	cg05532204	-0.00369458501681135	276	-0.0610449795012426	0.951368052974089	1.36499584464469e-05	0.974229631438141
KIRP	DAXX	cg06171013	-0.0399548962539013	276	-0.660690801448809	0.509367742742126	0.00159639373466002	0.691826635104509
KIRP	DAXX	cg07689821	-0.0667180417489025	292	-1.13673951408939	0.256588862777728	0.0044512970948083	0.450944854646574
KIRP	DAXX	cg08375286	0.112867275353412	276	1.8768664833516	0.0616028759026305	0.0127390218457029	0.167864507874843
KIRP	DAXX	cg08567382	-0.0419876152270246	276	-0.694361594725684	0.48804594036304	0.00176295983245267	0.674190639875741
KIRP	DAXX	cg09097215	-0.0175579324009652	276	-0.290149381305079	0.77192222593584	0.000308280990196864	0.873556836979078
KIRP	DAXX	cg09432361	0.0467418828838263	276	0.773147702253915	0.440103875704847	0.00218480361552534	0.632714386948974
KIRP	DAXX	cg09615909	-0.141976075456357	276	-2.36983598130461	0.0184914516791406	0.0201572060019893	0.0685174561527538
KIRP	DAXX	cg11111423	-0.176554833954736	276	-2.96372229922523	0.00330757448868287	0.0311716093927843	0.0177994915448668
KIRP	DAXX	cg12025215	0.0155933790139203	276	0.25767623430892	0.796850914782148	0.00024315346907177	0.888837877128348
KIRP	DAXX	cg12832355	-0.129152591020833	276	-2.15197438237405	0.0322762650420398	0.0166803917673945	0.104251599031781
KIRP	DAXX	cg12923297	-0.0635701532194776	275	-1.05055069838689	0.294397465113359	0.00404116438034786	0.49217450843549
KIRP	DAXX	cg13443893	-0.031186009078083	276	-0.515528189135095	0.606601194373201	0.000972567162218277	0.764938212636237
KIRP	DAXX	cg13826470	-0.162194884420027	276	-2.71586071115738	0.00703218460246573	0.0263071805320259	0.0325186809109088
KIRP	DAXX	cg14539675	-0.0507632213316718	276	-0.839828845502928	0.401739221406689	0.0025769046399683	0.598324864841138
KIRP	DAXX	cg14622330	-0.0719143578762082	276	-1.19130471161185	0.234568669811673	0.00517167486874735	0.425570444724207
KIRP	DAXX	cg14746369	0.0390041923133503	276	0.644945795877061	0.519503916296147	0.00152132701801681	0.700075964045829
KIRP	DAXX	cg14910283	-0.194703984360235	276	-3.27980656764684	0.00117365712905642	0.0379096415257506	0.00766933915983327
KIRP	DAXX	cg16922466	-0.0287112045544631	276	-0.474582601184829	0.635463909820176	0.00082433266968223	0.785329356041574
KIRP	DAXX	cg17079757	0.0986773838683638	276	1.63841427745861	0.102487260403593	0.00973722608710443	0.242469859979233
KIRP	DAXX	cg17504991	-0.0201689369028986	276	-0.333313329065775	0.739153625713397	0.000406786015793107	0.853039953102718
KIRP	DAXX	cg18187593	-0.0493165700272639	276	-0.81583617709828	0.415305080014848	0.00243212407925403	0.610949725703928
KIRP	DAXX	cg18279148	-0.0864332931877395	268	-1.41231747334859	0.159029756909841	0.00747071417127774	0.328387655315926
KIRP	DAXX	cg18486541	0.129576159844744	276	2.15915231775912	0.0317094961043677	0.0167899812001108	0.10283939383596
KIRP	DAXX	cg18944910	-0.131810998825883	276	-2.1970446329591	0.028857655949722	0.017374139411477	0.0959135472508192
KIRP	DAXX	cg18967278	-0.0587713900553983	276	-0.972744150122352	0.331541566106095	0.00345407628904377	0.531244996779764

KIRP	DAXX	cg20223162	-0.103975723988001	275	-1.71780627674652	0.0869784724779942	0.0108109511788289	0.215545466614204
KIRP	DAXX	cg20763184	0.215919034130166	276	3.65375538343737	0.000309827287197139	0.0466210292997036	0.00251017537806855
KIRP	DAXX	cg21286626	-0.00699030638325223	276	-0.115501638651365	0.908132432433633	4.88643833317368e-05	0.951298360516742
KIRP	DAXX	cg24328964	-0.150773690127208	276	-2.51999805338654	0.0123063402911963	0.0227327056345754	0.0501497871458003
KIRP	DAXX	cg24496586	-0.0471320429552884	276	-0.779615566776557	0.436292525675018	0.00222142947313915	0.629376441202271
KIRP	DAXX	cg24513883	-0.101325487501396	275	-1.67974786028177	0.0941545504499287	0.0102668544173956	0.228111463646894
KIRP	DAXX	cg24728112	-0.193696421175003	276	-3.2621706833394	0.00124621377901922	0.0375183035760041	0.00806555363768898
KIRP	DAXX	cg25642825	-0.0748944264499058	276	-1.2409442427864	0.215691648333138	0.00560917511326035	0.402859122251876
KIRP	DAXX	cg26521092	-0.108395537248124	276	-1.80160353246406	0.0727110390574649	0.0117495924953093	0.189547703653791
KIRP	DAXX	cg27052777	-0.291759460562403	276	-5.03993638114253	8.48850056435612e-07	0.0851235828276645	1.48061527556843e-05
KIRP	DAXX	cg27393652	0.0116154980462664	276	0.191932472976726	0.847937783608583	0.00013491979486282	0.918845987149665
KIRP	DIDO1	cg00080059	-0.0171571791047242	276	-0.283524856441708	0.776989422066513	0.000294368794831583	0.876664130012652
KIRP	DIDO1	cg01488865	-0.150582203745454	276	-2.51672328995018	0.0124186226115335	0.0226750000848375	0.0505041731110688
KIRP	DIDO1	cg06646488	-0.104067571093401	276	-1.72886581369992	0.0849636445416063	0.01083005935328	0.211977222137511
KIRP	DIDO1	cg08610063	-0.0601614670254511	276	-0.995834367766414	0.320212462062	0.00361940211465444	0.519629424684002
KIRP	DIDO1	cg13815390	0.0839549071960619	276	1.39207737546755	0.165031948183601	0.00704842644229937	0.336897642935737
KIRP	DIDO1	cg20969846	-0.263060690297505	292	-4.63528995064953	5.40223114996063e-06	0.0692009267798001	7.61480648813258e-05
KIRP	DIDO1	cg21212389	0.077246537134895	276	1.28014731009792	0.20158001334145	0.00596702749933272	0.384904011917404
KIRP	DIDO1	cg21687703	0.201280427052436	276	3.39518547809981	0.000787710023639196	0.0405138103144109	0.00549835025383469
KIRP	DIDO1	cg22394521	-0.190294810422723	276	-3.20270941712263	0.00152267266398029	0.0362121148738201	0.00951826413995042
KIRP	DMAP1	cg01604592	0.0517948265690647	276	0.856941215730685	0.392228976327584	0.00268270405931949	0.589248614109419
KIRP	DMAP1	cg11683482	0.0285003286690585	276	0.471094078660655	0.637949771111461	0.000812268734244355	0.787056165317463
KIRP	DMAP1	cg15990015	-0.0114513865900049	292	-0.19468633747249	0.845775297015496	0.000131134254833745	0.917667511595094
KIRP	DMAP1	cg18017761	-0.0449541126506721	276	-0.743515495298122	0.457809037745596	0.00202087224420932	0.647921509505159
KIRP	DMAP1	cg18167340	-0.125759663285588	276	-2.09451959329507	0.0371355683172067	0.0158154929097043	0.115923293674763
KIRP	DMAP1	cg21437596	-0.119500147859002	276	-1.98871726851666	0.0477306253357337	0.0142802853383233	0.139461268257956
KIRP	DMAP1	cg23021241	0.0530914937617818	276	0.878454368331128	0.380469679757298	0.00281870670985732	0.578837139027638
KIRP	DMAP1	cg23451311	-0.0529325565646625	292	-0.901116746581784	0.368276575411552	0.00280185554447119	0.567142759843125
KIRP	DMAP1	cg24485408	-0.00216346924354218	276	-0.035746462114605	0.971510646071701	4.68059916775295e-06	0.984918214641323
KIRP	DNMT1	cg04160663	-0.0527365196763599	276	-0.872564514674203	0.383667279547773	0.00278114050757509	0.581887963138308
KIRP	DNMT1	cg04762346	-0.0129297175696211	292	-0.219823574239976	0.826163748774922	0.000167177596430168	0.906483444129085
KIRP	DNMT1	cg06128182	-0.0264240093265887	276	-0.436748788325121	0.66263877760026	0.000698228268891645	0.803829677739013
KIRP	DNMT1	cg06716436	0.119117807250279	292	2.03952387276693	0.0423071073496342	0.0141890520041145	0.12755203565968
KIRP	DNMT1	cg10635912	-0.127131910997399	276	-2.11774769477239	0.0351003585133657	0.0161625227938505	0.111090207086606
KIRP	DNMT1	cg11380607	0.0722728483352124	276	1.19727442694577	0.232238176360123	0.00522336460648462	0.422837443390108
KIRP	DNMT1	cg13393778	-0.0818659889744395	276	-1.35720379214554	0.175837449654791	0.00670204015076306	0.351647777852052
KIRP	DNMT1	cg15043801	0.128257576519464	292	2.19853675644751	0.0287034268196258	0.0164500059346463	0.0955152017283758
KIRP	DNMT1	cg21893394	-0.107804402862189	276	-1.79166265125518	0.0742944829051739	0.0116217892764732	0.192520735589257
KIRP	DNMT1	cg23401624	-0.0512551096018915	276	-0.847987997452273	0.397187512977838	0.00262708626030191	0.5937902136625
KIRP	DNMT1	cg24477899	-0.112223160486578	276	-1.86601850491876	0.0631110491100928	0.0125940377495962	0.170826901882681
KIRP	DNMT1	cg27429799	0.0206467419763425	276	0.341212899245713	0.733205778759238	0.000426287954237665	0.84944985880434
KIRP	DNMT3A	cg02208653	-0.0671234757034076	276	-1.1115687809045	0.267301558163087	0.00450556099050595	0.463025103890875
KIRP	DNMT3A	cg03463641	-0.0976146237931552	276	-1.62059778780239	0.106258370787631	0.00952861477827922	0.248684226746479
KIRP	DNMT3A	cg06112956	0.058886206464083	276	0.97465111950604	0.330596166478139	0.00346758531173061	0.530271781720416
KIRP	DNMT3A	cg07150430	-0.0774667501070671	276	-1.28381873116202	0.20029393903885	0.00600109737215079	0.383274006947535
KIRP	DNMT3A	cg12066181	-0.0766413413471294	292	-1.30674630070357	0.192337765718248	0.00587389520348721	0.372967848504048
KIRP	DNMT3A	cg13076778	0.0715474888089837	276	1.18519595307243	0.236970636204365	0.00511904315487164	0.428339924552312
KIRP	DNMT3A	cg13344237	0.0889151678036446	276	1.47496170281914	0.141375146432809	0.00790590706555028	0.30341013947137
KIRP	DNMT3A	cg15990840	-0.0503857678259124	276	-0.833568285624514	0.405253018684035	0.00253872559940675	0.601705548104757
KIRP	DNMT3A	cg15998962	-0.102583270559796	276	-1.70394308607031	0.0895295891197182	0.0105233273987443	0.220045016301635
KIRP	DNMT3A	cg21629895	-0.129031288791651	292	-2.21202326746843	0.0277471221344086	0.0166490734872343	0.0931618307865423
KIRP	DNMT3A	cg21708767	0.00491966618385509	276	0.0812872094378451	0.935273107039502	2.42031153605673e-05	0.965493651574875
KIRP	DNMT3A	cg22731525	-0.0278017253322189	276	-0.459537521672529	0.646213935573527	0.000772935931448143	0.792578611768502
KIRP	DNMT3A	cg25044635	-0.0248110965172392	276	-0.410072831175082	0.682074136856464	0.000615590510387758	0.816691684022283
KIRP	DNMT3A	cg26470599	-0.0789809861697671	276	-1.3090694320776	0.191611617470943	0.00623799617634894	0.372070684721332
KIRP	DNMT3A	cg26995204	-0.0125236955647652	276	-0.206941639812117	0.836209702856372	0.000156842950598918	0.912307658986166
KIRP	DNMT3B	cg00300969	-0.0090945879268742	276	-0.150273468620001	0.880659830608873	8.27115295596461e-05	0.936710248463701

KIRP	DNMT3B	cg13636640	-0.098113434661176	276	-1.61998427965706	0.106402995176037	0.00962624606101285	0.248932834317474
KIRP	DNMT3B	cg14224313	-0.0193504578832104	276	-0.319781910952246	0.749378248330103	0.000374440220289899	0.859593587326487
KIRP	DNMT3B	cg16523653	0.0362266964470745	292	0.616258352938694	0.538209113897544	0.00131237353546848	0.713962931134273
KIRP	DNMT3B	cg16953106	0.200340398192613	276	3.37866448392466	0.000834553475531975	0.0401362751479746	0.00577454888157382
KIRP	DNMT3B	cg17475857	-0.127573826739111	276	-2.12523064743426	0.034465439088554	0.0162750812688606	0.109535271200873
KIRP	DNMT3B	cg17721173	0.0638243754400424	276	1.05670622073033	0.29157986778599	0.00407355090031149	0.489188126432386
KIRP	DNMT3B	cg22605822	-0.129614311787511	276	-2.15979891197345	0.0316588649913677	0.0167998698201502	0.102718115134745
KIRP	DNMT3B	cg24403338	-0.181790241236024	276	-3.05456493716609	0.00247670171590183	0.0330476918086519	0.0141296958995942
KIRP	DNMT3B	cg25803642	0.400972733843201	276	7.23199351805232	4.80363966471123e-12	0.16077913328569	2.42186872376245e-10
KIRP	DNMT3L	cg09247319	0.0177636795696551	275	0.293550473560175	0.769324460665503	0.000315548311853382	0.872139473544032
KIRP	DNMT3L	cg15635600	0.0373327229225483	275	0.617268118865696	0.537572381507557	0.00139373220081176	0.713455470298193
KIRP	DNMT3L	cg27187798	0.00668383168477463	275	0.110437490438265	0.9121435644783	4.46736059903972e-05	0.953318328385212
KIRP	DPF1	cg06168449	-0.0903555252807514	292	-1.54235281022209	0.124082118232993	0.00816412094876051	0.277041866210134
KIRP	DPF1	cg06615189	-0.0455978417393328	276	-0.754184434759682	0.451388506005939	0.00207916317128524	0.641997137616799
KIRP	DPF1	cg07480327	-0.0759908773815131	254	-1.20741313335641	0.228409617463112	0.00577461344521215	0.418295920405903
KIRP	DPF1	cg08057062	-0.11718650789509	276	-1.94967226716517	0.0522388916332698	0.0137326776326461	0.148968927262412
KIRP	DPF1	cg13322582	0.00825447287749862	276	0.136390921777518	0.891612773062835	6.81363224853603e-05	0.94257384448076
KIRP	DPF1	cg13917712	-0.0455212194161786	276	-0.75291447423043	0.452150067962191	0.00207218141713587	0.642657307055171
KIRP	DPF1	cg17121541	-0.0415037700629455	276	-0.686346216862284	0.493077323004739	0.00172256292943785	0.678454442425107
KIRP	DPF1	cg22145401	-0.0406251379657787	276	-0.671792032340177	0.502284192922265	0.00165040183473855	0.685942183870704
KIRP	DPF1	cg27400772	-0.0633707311676001	212	-0.917985132261524	0.359684794326213	0.00401584956871624	0.558498211409222
KIRP	DPF2	cg02186298	0.134830594341141	292	2.31324310202485	0.0214112388984976	0.0181792891703854	0.0767163743031376
KIRP	DPF2	cg14699126	-0.0769249351806937	276	-1.27478585640516	0.203468956561683	0.00591744565255393	0.387311531258877
KIRP	DPF2	cg15918224	-0.12693102535783	276	-2.1143465253082	0.0353922462000957	0.0161114851983902	0.111745785173515
KIRP	DPF2	cg15929437	-0.0152978222805507	276	-0.252791087531378	0.800619892398176	0.000234023366527315	0.891106805772347
KIRP	DPF2	cg18224556	0.0842168947484096	276	1.39645243859651	0.163712618453237	0.0070924853610647	0.33487845023616
KIRP	DPF2	cg19517014	0.118552567416648	276	1.97272196010324	0.049536095783203	0.0140547112410788	0.143310190976515
KIRP	DPF3	cg00888802	-0.077182668230418	276	-1.27908251419233	0.201954134496621	0.00595716427516677	0.385381331059451
KIRP	DPF3	cg05151458	-0.0191065985992812	276	-0.315750458637976	0.752433175441227	0.000365062110034055	0.86138838700113
KIRP	DPF3	cg07171024	0.170967279116928	276	2.86705555181199	0.0044660168714996	0.0292298105286456	0.022660404154803
KIRP	DPF3	cg10266394	-0.0706642587877854	276	-1.17049121601106	0.242824081938762	0.0049934374700271	0.435339616296645
KIRP	DPF3	cg12913429	0.225857228857879	275	3.82373661472163	0.000163022641889585	0.0510114878273606	0.00146141776943516
KIRP	DPF3	cg13819165	-0.0127603372171949	276	-0.210852539150893	0.833159639159524	0.000162826205896529	0.910498781825767
KIRP	DPF3	cg14238615	0.0130746953048045	276	0.216047887555831	0.8291117583978	0.000170947657313476	0.908155388153112
KIRP	DPF3	cg14242696	-0.0389369170177906	276	-0.643831688531994	0.520225090718138	0.00151608350685031	0.700604011206212
KIRP	DPF3	cg15392845	-0.0205388187622868	276	-0.339428580223686	0.734547858859787	0.000421843076150064	0.850335800540741
KIRP	DPF3	cg15740492	-0.0273582863906157	276	-0.452202339987585	0.65148231951165	0.000748475834230948	0.796314173369303
KIRP	DPF3	cg16696021	-0.0710498548444641	276	-1.17691059271902	0.240256298629828	0.00504808187341942	0.432200219577034
KIRP	DPF3	cg19710444	-0.103042998090528	276	-1.7116611117015	0.0880948492151431	0.0106178598097463	0.217598053654321
KIRP	DPF3	cg19839347	-0.0633212252327791	276	-1.04834216090585	0.295408201127754	0.00400957756498034	0.49335827450933
KIRP	DPF3	cg20548765	0.136479231864507	276	2.27630654772576	0.023602143262219	0.018626580730326	0.0825586840351199
KIRP	DPF3	cg21035356	-0.0736251792720994	276	-1.21979815896712	0.223594128299012	0.00542066702284878	0.412499564050782
KIRP	DPF3	cg22784589	-0.0522832044627465	276	-0.865043432716926	0.387774442097336	0.00273353346889335	0.585689530317248
KIRP	DPF3	cg23515460	-0.00688983813558305	276	-0.113841510826217	0.909447106369944	4.74698695345345e-05	0.951932242437118
KIRP	DPF3	cg24383902	0.00455313435850601	276	0.0752309058834508	0.940086092603847	2.07310324866079e-05	0.968149664253216
KIRP	DPF3	cg25495195	-0.111168730159755	276	-1.84826525864628	0.065645381477122	0.0123584865653325	0.175828244566731
KIRP	DPF3	cg26057784	-0.0560574673023619	276	-0.92768010387521	0.354392966803979	0.00314243964035537	0.553407331879015
KIRP	EED	cg00080012	-0.113730750475486	292	-1.94604948887699	0.0526179043045685	0.0129346836037173	0.149747841502455
KIRP	EED	cg01739327	0.0372694871087522	276	0.616221107334175	0.538262068139122	0.00138901466934944	0.713975544120354
KIRP	EED	cg02172616	0.00433802389930753	276	0.0716765924081546	0.942911766040289	1.88184513509633e-05	0.969609236072255
KIRP	EED	cg04607174	-0.103083396456247	275	-1.70920032165221	0.0885544362761165	0.0106261866249558	0.218393476276446
KIRP	EED	cg06358433	0.0373591282388466	276	0.617705320633611	0.537284520447595	0.00139570446276658	0.713249864421739
KIRP	EED	cg10086030	-0.0306656360201949	276	-0.506917865360236	0.61262164508676	0.000940381232523075	0.76929005597778
KIRP	EED	cg10535675	-0.0751499291568282	276	-1.24520173357535	0.21412535122772	0.0056475118522763	0.400739017098844
KIRP	EED	cg12672785	0.0565329748669069	276	0.935574275469866	0.350319257496418	0.00319597724730233	0.54933957503883
KIRP	EED	cg16265078	0.0575245426894754	276	0.952037917936249	0.341919880930929	0.00330907301163328	0.541087394315195
KIRP	EED	cg18574463	-0.0112870671821096	276	-0.186504836871614	0.852187401897553	0.000127397885573456	0.9211998985254

KIRP	EED	cg19325359	-0.0856155189090033	275	-1.41721095410139	0.1575656652041	0.0073300170780579	0.326302697705701
KIRP	EED	cg21042619	0.222224556164703	16	0.852812287484547	0.408117073534285	0.049383753362599	0.604174971735948
KIRP	ELP3	cg01209934	0.0209103859019387	276	0.345571834484751	0.729930648425006	0.000437244238567998	0.847336042133476
KIRP	ELP3	cg02516513	-0.0246061156544709	276	-0.406682887525217	0.684559551908501	0.000605460927601196	0.818433136841967
KIRP	ELP3	cg04720865	-0.218852122819518	276	-3.70586803025145	0.000255032014415869	0.0478962516626095	0.00212829441423172
KIRP	ELP3	cg05621091	-0.0767708382092781	276	-1.27221703456079	0.20437857968217	0.00589376159935516	0.388492088838263
KIRP	ELP3	cg15692687	0.0287039455696476	276	0.474462514653053	0.635549413021952	0.000823916491265289	0.785390949241164
KIRP	ELP3	cg17572663	0.017885501638387	276	0.295564264121269	0.767787545099938	0.000319891168856745	0.871313506987396
KIRP	ELP3	cg18022570	0.0485581197437579	276	0.803259368300944	0.422523638187146	0.00235789099304913	0.617598059244877
KIRP	ELP3	cg18249244	-0.0791186915972789	292	-1.34924737398531	0.178313617871098	0.00625976736006532	0.354893688148596
KIRP	ELP3	cg19781013	0.0138556022961429	276	0.228954099460742	0.819076013036677	0.000191977714988881	0.902710112188615
KIRP	ELP3	cg22414525	0.0524509951390509	276	0.867827232911196	0.386251115035698	0.00275110689107674	0.584250811648593
KIRP	ELP3	cg22487209	-0.0284179022056247	276	-0.469730513737673	0.638922539955748	0.000807577165768447	0.787793573980369
KIRP	ELP3	cg25374552	0.128506829571683	276	2.14103340216369	0.0331569481622048	0.0165140052465655	0.106379023097494
KIRP	ELP4	cg04972224	-0.0799986087492496	276	-1.32604394784296	0.185933522366822	0.00639977740181551	0.364768054647817
KIRP	ELP4	cg05195750	0.0275023925129495	276	0.454586053736251	0.649768316536161	0.00075638159393634	0.795243717518275
KIRP	ELP4	cg05635455	-0.122326733772952	276	-2.03646342439633	0.0426687854843285	0.0149638297955587	0.128369382704303
KIRP	ELP4	cg08111895	-0.0563024795765253	276	-0.93174761260038	0.352290225784194	0.00316996920646504	0.551221733138819
KIRP	ELP4	cg08626560	-0.157041847164163	275	-2.62254111725562	0.00921973832073041	0.0246621417607324	0.0400469192028421
KIRP	ELP4	cg09616795	0.0717517931733214	276	1.18859777731071	0.235630889620004	0.00514831982358708	0.42689029872144
KIRP	ELP4	cg10583382	-0.0585228845990337	292	-0.996597138701708	0.319793789795829	0.00342492802179182	0.519175551333222
KIRP	ELP4	cg11385473	-0.0881098008371432	292	-1.50371490971985	0.133746777695859	0.00776333700356104	0.291833035088876
KIRP	ELP4	cg13263383	-0.0298468056048575	276	-0.49336996623135	0.62214784629958	0.000890831804814154	0.776165780185537
KIRP	ELP4	cg19328333	0.0637574333032781	276	1.05559336926691	0.292087290859385	0.00406501030142196	0.489849283314614
KIRP	ELP4	cg24001477	-0.0498913716270508	276	-0.825368619562849	0.409882990366973	0.00248914896282849	0.605802932508945
KIRP	ELP4	cg24531794	-0.123831286947758	276	-2.06189848843645	0.0401637912813487	0.0153341876271381	0.12283295903374
KIRP	ELP4	cg25130734	-0.12951685118372	276	-2.15814718157185	0.0317883412180437	0.0167746147405459	0.103000633792182
KIRP	EP300	cg00500400	-0.149766604710215	292	-2.57507558315657	0.0105192717005894	0.0224300358864258	0.0443301996159469
KIRP	EP300	cg02046995	0.226194020092975	276	3.83677918284223	0.000154909459523885	0.0511637347258214	0.00140030519337685
KIRP	EP300	cg07519229	-0.117429923205967	276	-1.95377861849724	0.0517484991973734	0.0137897868641594	0.147960994801546
KIRP	EP300	cg08131204	-0.142402738039075	276	-2.37710492982197	0.0181384602841743	0.0202785398010255	0.0675473135158954
KIRP	EP300	cg09331127	-0.160705625859311	276	-2.6902596833321	0.00757970813704267	0.0258262981828329	0.0344827961879004
KIRP	EP300	cg24349919	0.106461981634103	276	1.76909478939058	0.077994544494533	0.01133415353346	0.199274421781651
KIRP	EPC1	cg02900516	-0.0779512620321991	276	-1.29189724712489	0.19748531622459	0.00607639925241257	0.379797104901629
KIRP	EPC1	cg16942190	-0.0187498719601027	276	-0.309853198144946	0.756908982170392	0.000351557698520246	0.864494773857509
KIRP	EPC1	cg26211455	0.111989008819738	276	1.86207558791643	0.063666774578173	0.0125415380964273	0.171868036002998
KIRP	EPC2	cg00066942	0.0386573884859273	276	0.639202671565912	0.52322705406572	0.00149439368455191	0.702707353643715
KIRP	EPC2	cg03664802	-0.0569643747532298	276	-0.942736742836887	0.346649084782752	0.0032449399910264	0.54598353785207
KIRP	EPC2	cg04098458	-0.207125487506058	276	-3.4981338948116	0.00054682818942192	0.042900967574622	0.00404525981056379
KIRP	EPC2	cg05586854	0.131110705506867	276	2.18516732710123	0.0297266821605608	0.0171900170985083	0.0980063363281348
KIRP	EPC2	cg10458926	-0.0897229891146778	276	-1.48847043663675	0.137781085483001	0.0080502147756726	0.297935895154119
KIRP	EPC2	cg11721798	-0.0818937719851942	276	-1.35766749824361	0.175690372110693	0.00670658988996297	0.351489181123293
KIRP	EPC2	cg12432635	0.0191769584625328	276	0.316913633606172	0.751551349771892	0.000367755735873709	0.860883844336197
KIRP	EPC2	cg16434205	0.181240717615796	276	3.04501736656313	0.00255398438669702	0.0328481977218888	0.0144866687115354
KIRP	EPC2	cg21347644	-0.24002950105718	276	-4.08537164455524	5.7889919394723e-05	0.0576141613777587	0.000602876625086089
KIRP	EPC2	cg21650422	-0.169478927688388	276	-2.84135502980173	0.00483083270560734	0.0287231069304058	0.0241182004556551
KIRP	EZH1	cg00728999	-0.133025255963137	276	-2.21764695417669	0.0274023509187006	0.0176957187240581	0.0922910419676765
KIRP	EZH1	cg01716316	0.0862353430399546	276	1.43016938162361	0.153811894847152	0.00743653438921864	0.321147710559578
KIRP	EZH1	cg03623386	-0.091634609272299	276	-1.52044921367977	0.12955543984504	0.00839690161648691	0.285424821933818
KIRP	EZH1	cg05375741	-0.13648653935127	276	-2.27643074114574	0.0235946118169739	0.0186285754240859	0.0825360507077505
KIRP	EZH1	cg05979501	-0.102491653896635	276	-1.70240513942943	0.0898177336761094	0.0105045391184676	0.220519772497461
KIRP	EZH1	cg06975499	-0.143374698798301	292	-2.46281450253546	0.0143682628198789	0.0205563042555037	0.0564755779006497
KIRP	EZH1	cg12812489	-0.156192968674314	276	-2.61279941985157	0.00947807155511004	0.0243962434632953	0.0408495921632722
KIRP	EZH1	cg19395400	0.00504519531967588	276	0.08336136839057	0.933625296513705	2.54539958136794e-05	0.964662218815246
KIRP	EZH1	cg22227424	-0.0288043983923907	276	-0.476124328240095	0.634366614150766	0.000829693366747559	0.784652214539458
KIRP	EZH1	cg27088844	-0.0974651920925526	292	-1.66483465274835	0.0970294545493799	0.00949946366963817	0.232994085477497
KIRP	EZH2	cg01893439	-0.0157970967546203	276	-0.261043447957297	0.794255814286594	0.000249548265874836	0.887352650959022

KIRP	EZH2	cg02303805	-0.0238584053736938	276	-0.394317795678542	0.693654275997437	0.000569223506975503	0.8242773462094
KIRP	EZH2	cg06816161	-0.0337682000416603	292	-0.574386978365263	0.566152770476157	0.00114029133405358	0.735244872484184
KIRP	EZH2	cg13751213	-0.0175960054474141	276	-0.290778742912216	0.771441322641013	0.000309619407705428	0.873318951397311
KIRP	EZH2	cg18494018	0.0523115753678421	276	0.865514126714052	0.387516614682753	0.00273650091746542	0.585440519064096
KIRP	EZH2	cg20101066	0.00431096696619622	276	0.0712295259634018	0.943267235032725	1.8584436183635e-05	0.969744037031001
KIRP	FBXL19	cg00026853	0.120937087651483	276	2.01298357547478	0.0450979275367089	0.0146257791696226	0.13380427821475
KIRP	FBXL19	cg02291855	-0.00184619078196584	276	-0.0305041299117722	0.975687288076263	3.40842040341565e-06	0.987248375955735
KIRP	FBXL19	cg03181514	0.0385611926818019	276	0.637609695439011	0.52426217857668	0.00148696558104305	0.703459163464723
KIRP	FBXL19	cg03627896	0.00507655011072001	292	0.0863024639553831	0.931285741283743	2.57713610266513e-05	0.963679258269298
KIRP	FBXL19	cg04477789	-0.140713941803167	276	-2.3483411865042	0.0195708813544991	0.0198004134177849	0.0716199616187743
KIRP	FBXL19	cg05643349	-0.111930516817147	276	-1.86109608088103	0.063806222735643	0.0125284405949537	0.172178753737439
KIRP	FBXL19	cg05768582	-0.0629265519762895	276	-1.04178191728233	0.298434488554561	0.00395975094362466	0.496635040078969
KIRP	FBXL19	cg06862768	0.00793488203787015	276	0.131109895382615	0.895784938411573	6.29623529549144e-05	0.944710634244898
KIRP	FBXL19	cg07697662	0.0218114246621633	276	0.360469634987369	0.718774703012534	0.000475738245793227	0.840405188940513
KIRP	FBXL19	cg08535091	0.0683741640331769	292	1.16508738611623	0.24494437984898	0.00467502630723578	0.437842393709568
KIRP	FBXL19	cg08593668	0.136316914384838	276	2.27354800014778	0.0237699710560116	0.0185823011474031	0.0830031291597116
KIRP	FBXL19	cg09011601	-0.151356429321627	276	-2.52996573492747	0.0119701216257691	0.0229087686969926	0.0490442745960438
KIRP	FBXL19	cg11940219	-0.120023520073601	274	-1.99022373623035	0.0475708566715043	0.0144056453708582	0.139182640336342
KIRP	FBXL19	cg26666512	-0.13133965244032	276	-2.18905000822551	0.029440141265856	0.0172501043031442	0.0973173429776496
KIRP	FBXL19	cg27602786	-0.0726530195436114	276	-1.20360568780106	0.229784646978331	0.00527846124880438	0.419873895444022
KIRP	FBXW9	cg02753619	-0.042344594752693	276	-0.700275630131048	0.484351532000114	0.00179306470476979	0.671077208100321
KIRP	FBXW9	cg03160342	0.118723780736446	276	1.97561166215051	0.0492057214596212	0.0140953361123558	0.142619593711989
KIRP	FBXW9	cg05868316	0.0697038574375254	292	1.18785476213062	0.235865946919853	0.00485862774167087	0.427137098437615
KIRP	FBXW9	cg06489804	0.140150952050813	292	2.40631616850931	0.0167420030300871	0.0196422893607493	0.0634834950147494
KIRP	FBXW9	cg12110584	-0.0460975647587583	276	-0.76246731671714	0.446439415149464	0.00212498547668791	0.638242501281187
KIRP	FBXW9	cg14342428	0.0272763623669809	276	0.450847216386954	0.652457544555876	0.000743999943974854	0.79697836010071
KIRP	FBXW9	cg15828427	0.0247990730303315	276	0.409873987075362	0.682219828596066	0.000614994023163717	0.816810189913185
KIRP	FBXW9	cg19721801	0.15277678570358	276	2.55427208702783	0.0111843357315263	0.0233407462499177	0.0465330096212621
KIRP	FBXW9	cg21564527	-0.0728223475773146	276	-1.20642579728461	0.228697769474273	0.00530309430667121	0.418633457727949
KIRP	FBXW9	cg22303873	-0.0311256718209589	276	-0.514529800703641	0.607297916497521	0.000968807446306037	0.765406383287588
KIRP	FKBP1A	cg04613791	0.0887472976752939	292	1.51468072737038	0.130946179494423	0.00787608284466722	0.287609701270726
KIRP	FKBP1A	cg07516946	0.0493808865494231	276	0.81690275422333	0.414696298078804	0.00243847195640699	0.610288173204067
KIRP	FKBP1A	cg10996143	0.0546824996177705	292	0.930995455606145	0.352632960184016	0.00299017576444747	0.551633390399263
KIRP	FKBP1A	cg21332426	-0.0401353571762792	276	-0.663679691892715	0.507455410233455	0.00161084689566751	0.690205367223257
KIRP	FKBP1A	cg21775445	0.08488700270987	276	1.40764424093576	0.1603740433714	0.00720580322906547	0.330231295130617
KIRP	FKBP1A	cg24641773	-0.0980692152982626	276	-1.62821803345206	0.104632114376142	0.00961757098921698	0.246017974544447
KIRP	FKBP1A	cg26779912	0.00794026037481767	276	0.13119876849216	0.895714701740601	6.30477348198996e-05	0.944680113125637
KIRP	FKBP2	cg03764062	-0.0527600897931879	276	-0.872955587955944	0.383454454594786	0.00278362707498525	0.581739846342424
KIRP	FKBP2	cg04446112	0.0202886547087301	276	0.335292606622157	0.737661872301969	0.000411629509890077	0.852342562328031
KIRP	FKBP2	cg06615912	0.00500060349486297	276	0.0826245626437135	0.93421061766488	2.50060353128357e-05	0.965062753669934
KIRP	FKBP2	cg09854726	-0.145933975160319	276	-2.43731810934703	0.0154354324545945	0.0212967251060927	0.0596989177872488
KIRP	FKBP2	cg10998122	0.118500611029788	276	1.97184508654963	0.0496367163686038	0.0140423948144332	0.143506332260785
KIRP	FKBP2	cg12423493	-0.0980776382879773	276	-1.62835923639465	0.104602168471973	0.00961922313214732	0.245977301677911
KIRP	FKBP2	cg15010817	0.0436967354862673	276	0.722678832967434	0.47049585874536	0.00190940469215681	0.659063577413508
KIRP	FKBP2	cg16977872	0.103701867271115	292	1.77248824366476	0.0773669765832151	0.010754077275516	0.198224370988197
KIRP	FKBP2	cg19924313	-0.0765754292769961	276	-1.26895966739553	0.205536290142248	0.00586379636895623	0.389814839242204
KIRP	FKBP2	cg21809711	0.00603528855839685	275	0.0995383416734303	0.920784168059223	3.64247079831159e-05	0.958434579062849
KIRP	FKBP2	cg22074794	0.0511372961835978	276	0.846033721963526	0.398274877561667	0.002615023060969	0.594873585458727
KIRP	FKBP2	cg24677501	-0.134259176826403	276	-2.23859332484703	0.0259884413007229	0.0180255265621034	0.0887130805939454
KIRP	FKBP5	cg00130530	-0.200789933284608	276	-3.3865638406693	0.000811840651101161	0.0403165973084375	0.00563843222240617
KIRP	FKBP5	cg00140191	-0.11451758307425	276	-1.904677411456319	0.0578737188712646	0.0131142768331677	0.160312921445348
KIRP	FKBP5	cg00610228	-0.0462494217375564	276	-0.764984451268038	0.44494158226274	0.00213900901105835	0.63685645987282
KIRP	FKBP5	cg01294490	-0.163560897706406	276	-2.73935985158792	0.00656132161845449	0.0267521672585254	0.0307668460286404
KIRP	FKBP5	cg07485685	-0.0406772514705977	276	-0.672655227539558	0.501735602962684	0.00165463878720225	0.685517922949157
KIRP	FKBP5	cg07843056	-0.116204574930684	276	-1.93311092945864	0.0542565320641534	0.013503503234821	0.153172908092566
KIRP	FKBP5	cg08636224	0.0758887567104676	292	1.29383992266832	0.19675377135532	0.00575910339506053	0.378905408674516
KIRP	FKBP5	cg08915438	-0.246198745888729	276	-4.19705902681559	3.66152554059545e-05	0.0606138224771827	0.000405242165180085

KIRP	FKBP5	cg10913456	-0.124726530691691	276	-2.07703977770047	0.0387329857058945	0.0155567074583853	0.119585422471102
KIRP	FKBP5	cg16012111	-0.149733149416392	276	-2.50220641146677	0.0129274266103083	0.0224200160341515	0.0521129767707701
KIRP	FKBP5	cg17030679	-0.16579323658602	276	-2.77779706281797	0.00585228713060814	0.0274873972976682	0.0281206192117684
KIRP	FKBP5	cg20813374	-0.309800487759679	276	-5.38360915243615	1.57448075061947e-07	0.0959763422161349	3.26975855615832e-06
KIRP	FKBP5	cg25114611	-0.27070342513809	276	-4.64623195192412	5.26422457492197e-06	0.0732803443814938	7.44320404546492e-05
KIRP	FMR1	cg02921434	0.0174510534379475	275	0.288382639064229	0.773272686723905	0.0003045392660941	0.874232343362702
KIRP	FMR1	cg03513471	0.0272299600071115	275	0.450079668607261	0.65301018142851	0.000741470721988892	0.797379868684951
KIRP	FMR1	cg04552106	0.0215736593075754	275	0.356538331985199	0.721712854067438	0.000465422775919336	0.842318387247239
KIRP	FMR1	cg04744025	-0.0142123027031602	275	-0.234849499101067	0.814501598184707	0.000201989548126256	0.900187962060534
KIRP	FMR1	cg05288927	0.0725911369266872	275	1.20257507681341	0.230182767430828	0.00526947316030905	0.420348314777319
KIRP	FMR1	cg07147350	0.119681631008542	291	2.04931756139665	0.0413336928802223	0.0143236928008649	0.125361142453178
KIRP	FMR1	cg08434396	0.0472972357003494	291	0.804953863367149	0.421508030427792	0.00223702850489441	0.616611739955615
KIRP	FMR1	cg14470409	0.0221286352282621	275	0.365714610793418	0.714861253951765	0.000489676497065484	0.837841624521711
KIRP	FMR1	cg16783314	0.0234303890042738	275	0.387239869844292	0.698880346842845	0.000548983128891593	0.827300962496173
KIRP	FMR1	cg22625568	-0.0616487401135184	271	-1.01304141499226	0.311950697528602	0.00380056715758413	0.510870735817529
KIRP	FXR2	cg01807919	0.021260133356579	275	0.351354466820113	0.725593450311851	0.000451993270339523	0.844562485903722
KIRP	FXR2	cg01933235	-0.0629369943099816	275	-1.04195548301594	0.298354154298392	0.00396106525277465	0.496580296950987
KIRP	FXR2	cg05529097	-0.202708301918569	291	-3.51910059572428	0.000502817260363702	0.0410906556667096	0.00376587714958446
KIRP	FXR2	cg05913233	-0.342687773108568	275	-6.02707450866321	5.39309606103174e-09	0.117434909838109	1.55389079619223e-07
KIRP	FXR2	cg09625173	-0.286640686957139	275	-4.94352063592166	1.34118226641636e-06	0.0821628834192604	2.21661213583161e-05
KIRP	FXR2	cg17777561	-0.377249606467941	274	-6.71815336095096	1.07392638266835e-10	0.142317265580216	4.2777792633539e-09
KIRP	FXR2	cg19178740	-0.0852136068982614	275	-1.41309971435732	0.158765522711038	0.00726135880061142	0.328021806331035
KIRP	FXR2	cg22521096	-0.257453163462026	275	-4.40221978289962	1.53904907491624e-05	0.0662821313766046	0.000190742048325687
KIRP	FXR2	cg26904212	0.277527262906729	291	4.91087357361109	1.5193444248802e-06	0.0770213816565005	2.47168298178858e-05
KIRP	G2E3	cg02259031	-0.0451581352697095	276	-0.746896793319266	0.455768624770161	0.00203925718103738	0.646065313326711
KIRP	G2E3	cg05076167	-0.25895624114515	276	-4.42976269516159	1.36661810137223e-05	0.0670583348280251	0.000171946771111356
KIRP	G2E3	cg07906495	-0.0702397190566414	292	-1.19703172374105	0.232275164625791	0.00493361813315591	0.422878870978207
KIRP	G2E3	cg08810065	-0.0222228805331367	292	-0.377882290383982	0.70579542712072	0.000493856419190066	0.832223434981621
KIRP	G2E3	cg09837748	-0.211885896898458	276	-3.58226705722647	0.000403200306845047	0.0448956333044642	0.00312415982775933
KIRP	G2E3	cg18580322	-0.0459373147145062	276	-0.759811118738761	0.448023123385264	0.00211023688317959	0.639487339116807
KIRP	G2E3	cg18755078	-0.0413830032609091	276	-0.684345669954475	0.494337442003666	0.00171255295889242	0.679479247367055
KIRP	G2E3	cg18956956	-0.0320799427794053	276	-0.530320596764793	0.596320752647704	0.00102912272872992	0.757507959399127
KIRP	G2E3	cg19554565	0.0115089722075048	276	0.190172024250636	0.849315662663598	0.000132456441273117	0.919654566299927
KIRP	G2E3	cg21061067	-0.243689561463099	276	-4.15156849968109	4.41776473442708e-05	0.0593846023660773	0.000476863590606383
KIRP	G2E3	cg22926526	-0.24741330338287	276	-4.21911066814191	3.34105004670673e-05	0.0612133426908242	0.000374353517691924
KIRP	GADD45	cg01810953	-0.128794088648728	276	-2.14590002046856	0.0327626931892867	0.0165879172708565	0.105398269537978
KIRP	GADD45	cg02639608	-0.186234316988934	276	-3.13188716101397	0.00192570840052053	0.0346832208243348	0.0115308312276858
KIRP	GADD45	cg04718306	-0.0197977822763493	292	-0.336628276257464	0.736641446565864	0.000391952183061731	0.851479669165029
KIRP	GADD45	cg07000785	0.0836717155340635	292	1.4274246086157	0.154537141225168	0.00700095598041324	0.322100052632909
KIRP	GADD45	cg22224769	0.00342901871654772	276	0.0566570205604537	0.954859855999347	1.17581693584346e-05	0.975986961471727
KIRP	GADD45	cg23369529	-0.0614752412156567	276	-1.01766248170643	0.309739400244844	0.00377920528252317	0.508437434643977
KIRP	GADD45	cg23723105	-0.167332122224797	276	-2.8043196745676	0.00540432811560165	0.0280000391282546	0.0264002701051877
KIRP	GATAD2A	cg02887458	-0.0882751735230968	276	-1.46426152866023	0.144273052543106	0.00779250626053285	0.307512133528917
KIRP	GATAD2A	cg08505228	-0.104317603525136	276	-1.73306522539252	0.0842132666061267	0.0108821624052274	0.210590978990156
KIRP	GATAD2A	cg08870822	-0.00987416942060312	276	-0.163156008025265	0.870516313326041	9.74992217467737e-05	0.93126169045019
KIRP	GATAD2A	cg09334331	-0.0751261031319914	276	-1.24480470552275	0.214271065019368	0.0056439313717986	0.400928497982411
KIRP	GATAD2A	cg11795262	-0.154483397053088	292	-2.65812754875014	0.00829519282901598	0.0238651199650619	0.0369481852101877
KIRP	GATAD2A	cg14948912	0.067543261872548	276	1.11855222514138	0.264314481947954	0.0045620922243836	0.459878350524671
KIRP	GATAD2A	cg15264323	-0.0982934217153956	276	-1.63197674887778	0.103837307809586	0.0096615967525206	0.244689047458243
KIRP	GATAD2A	cg22191731	-0.118887597727675	276	-1.97837669785839	0.0488913424615725	0.0141342608934576	0.141904006844591
KIRP	GATAD2A	cg26631329	-0.201136757880247	276	-3.39265986284379	0.000794708592750922	0.0404559953705772	0.00553825676471067
KIRP	GATAD2E	cg02134200	0.0964103279902822	276	1.60041530437645	0.110663031246931	0.0092949513431938	0.256042585516573
KIRP	GATAD2E	cg02940454	0.141129578532838	276	2.35541840135611	0.0192095178458907	0.0199175579368565	0.0705297919248263
KIRP	GATAD2E	cg09805553	-0.120611856610587	276	-2.00749012087731	0.0456828881745729	0.0145472199550527	0.135073874372918
KIRP	GATAD2E	cg10226922	0.0267039430223758	276	0.441378952116992	0.659288051901912	0.000713100572942294	0.801706222454685
KIRP	GATAD2E	cg10489353	0.071187159973826	276	1.17919656698096	0.239346559479389	0.00506761174513909	0.431208149098391
KIRP	GATAD2E	cg15064304	-0.189485240364276	276	-3.18857559570137	0.00159625815683486	0.0359046563159073	0.00989870921106504

KIRP	GATAD2E	cg20773694	-0.0945491063162059	276	-1.56923749143776	0.117750909625151	0.00893953350519321	0.2672827457802
KIRP	GATAD2E	cg23046518	0.122356482645293	276	2.03696620205533	0.0426180108391159	0.0149711088453278	0.128251345604355
KIRP	GATAD2E	cg23323627	0.111897082118361	276	1.86052770553615	0.0638860455239243	0.0125209569866032	0.172334374475126
KIRP	GATAD2E	cg26398333	0.278978435065341	276	4.80005506213983	2.6158760300621e-06	0.0778289672315067	4.0090516131334e-05
KIRP	GLYR1	cg00636946	-0.160664501827862	274	-2.68462257070421	0.00770696763230807	0.0258130821475951	0.0349330443388553
KIRP	GLYR1	cg00885266	-0.133634136227721	275	-2.22798165638055	0.0266966141766919	0.0178580823653291	0.0904844431902453
KIRP	GLYR1	cg01261535	-0.219806866749134	291	-3.83039514513949	0.000156944860301076	0.0483150586700715	0.00141492275608551
KIRP	GLYR1	cg01565912	-0.0499658686324501	275	-0.826604129163556	0.409183338775097	0.00249658802819526	0.605194278426364
KIRP	GLYR1	cg02454264	-0.0958802732595548	275	-1.59153450754784	0.112646569905106	0.0091930268003269	0.259382189113447
KIRP	GLYR1	cg06399529	-0.149365359840683	275	-2.49591981444759	0.0131534619050183	0.0223100107203367	0.05280253962738
KIRP	GLYR1	cg06976003	-0.148526115263369	275	-2.48157863874617	0.0136822997360126	0.0220600069152275	0.054423444799563
KIRP	GLYR1	cg11289281	0.0769451043438988	275	1.27512208646837	0.203350116741669	0.00592054908249347	0.387180453810793
KIRP	GLYR1	cg15663121	0.103818948741266	291	1.77451121013051	0.0770313169734037	0.0107783741177415	0.197650789030937
KIRP	GLYR1	cg18354686	-0.0734531312986673	275	-1.21693224302106	0.224680967211174	0.00539536249757926	0.413964691358408
KIRP	GTF2B	cg02705666	-0.0695745720678223	292	-1.18564082525308	0.236738100641586	0.0048406210784206	0.428076332707046
KIRP	GTF2B	cg04270788	0.103300444562385	292	1.76555291450115	0.0785268204493604	0.0106709818467863	0.200210019161838
KIRP	GTF2B	cg05306856	-0.0642603494351019	276	-1.06395423855009	0.288289594671809	0.0041293925095214	0.48583685126075
KIRP	GTF2B	cg06356032	0.056333568369508	275	0.930554728113726	0.352909095260107	0.00317347092524203	0.551932173146732
KIRP	GTF2B	cg07167781	-0.111093023790108	276	-1.84699084858925	0.065830507560488	0.0123416599348294	0.17616244728976
KIRP	GTF2B	cg10430205	-0.122230215584011	276	-2.03483223490563	0.0428338707453838	0.0149402256017139	0.12873659947328
KIRP	GTF2B	cg12074130	-0.11503785348927	276	-1.91344040396513	0.0567375056515486	0.0132337077354187	0.158093185554429
KIRP	GTF2B	cg13868361	-0.0410944095440992	276	-0.679565129423591	0.49735564381866	0.00168875049577816	0.681796883683339
KIRP	GTF2B	cg14010405	-0.0277552827396012	276	-0.458769275057342	0.646764887447015	0.000770355719955204	0.792890109114094
KIRP	GTF2B	cg17811845	0.0165425458244203	276	0.273365121016925	0.784779252098463	0.000273655822353044	0.881108359736001
KIRP	GTF2B	cg22607980	0.0773757865888168	276	1.28230215194833	0.200824454600032	0.00598701235023813	0.383912557653583
KIRP	GTF2H1	cg05849260	-0.0496958624945952	275	-0.822126227203688	0.411722509144695	0.00246967874908172	0.607373585186554
KIRP	GTF2H1	cg07583091	-0.0437644485241499	275	-0.723800852995354	0.46980775885678	0.00191532695462296	0.65852434129537
KIRP	GTF2H1	cg08690812	-0.0383526543426783	275	-0.634156418651961	0.526509754135874	0.00147092609512896	0.705168606576505
KIRP	GTF2H1	cg10797557	-0.0717843520607322	275	-1.18913992161916	0.235417874809446	0.00515299320077914	0.426628621085092
KIRP	GTF2H1	cg11063328	-0.0987815855572593	275	-1.6401614555219	0.102123283563161	0.00975780164520613	0.241803298818824
KIRP	GTF2H1	cg11176342	0.0414870667823401	275	0.686069519024627	0.493251508272211	0.00172117671020235	0.678610095225543
KIRP	GTF2H1	cg11347316	0.0620260433628175	275	1.02681552997658	0.305416264666181	0.00384723005524611	0.503967608302914
KIRP	GTF2H1	cg11662851	0.0615291928611746	275	1.01855899097516	0.309314177396754	0.00378584157414762	0.50794307129384
KIRP	GTF2H1	cg13777411	0.0341491112387544	291	0.580873686211406	0.561778286917198	0.00116616179839682	0.73206774184121
KIRP	GTF2H1	cg14132868	-0.0106788385168279	275	-0.176453430932558	0.860068558520769	0.000114037592068486	0.925565071332633
KIRP	GTF2H1	cg17174493	0.107247915100986	275	1.78230616623767	0.0758106192381244	0.0115021152935082	0.195388659985776
KIRP	GTF2H1	cg18321761	0.0134120834050945	275	0.22162392081204	0.824772345243545	0.000179883981265211	0.905876686468485
KIRP	H2AFZ	cg02758870	-0.0324379165376474	276	-0.536244538660186	0.592226221506402	0.00105221842930338	0.75459252601538
KIRP	H2AFZ	cg09308803	-0.0975763976215253	276	-1.61995705527023	0.106396024563227	0.00952115337279401	0.248932834317474
KIRP	H2AFZ	cg16267491	0.110267930952215	292	1.88605618867686	0.0602900218074014	0.0121590165964825	0.165252693837114
KIRP	H2AFZ	cg17709884	0.0339750698458229	292	0.577909825894973	0.563775006227876	0.00115430537102855	0.733623564956894
KIRP	H2AFZ	cg20934652	0.0686522057333542	276	1.13700318274435	0.256533950638178	0.0047131253520548	0.450868720058433
KIRP	H2AFZ	cg23752380	0.16946124476138	276	2.8410498056591	0.00483532371145317	0.0287171134760764	0.0241375239225351
KIRP	H2AFZ	cg24061702	-0.0052068750301465	276	-0.0860328609282089	0.931503358073484	2.71115475795631e-05	0.963712161049667
KIRP	H3F3A	cg06319713	-0.0811602863851187	276	-1.34542648665271	0.179603973529548	0.00658699208611448	0.356540561313608
KIRP	H3F3A	cg10632229	-0.0291442097691299	276	-0.481746011417429	0.630372340389437	0.000849384963067049	0.781849842930007
KIRP	H3F3A	cg10983539	0.0631506294186177	276	1.04550646345983	0.296713783725147	0.00398800199596759	0.494707389595021
KIRP	H3F3A	cg11978873	0.134055678046957	276	2.23513811268941	0.0262172117072088	0.0179709248166294	0.0892891063633044
KIRP	H3F3A	cg15538837	-0.106542355130666	292	-1.82158821717842	0.0695511602980089	0.0113512734367889	0.183526508461875
KIRP	H3F3A	cg15624314	-0.046950161101995	276	-0.776600382593317	0.438066912996927	0.00220431762750328	0.63090523973791
KIRP	H3F3A	cg16724613	-0.101286166633964	276	-1.68217298056399	0.093678699688853	0.0102588875514031	0.227298202913076
KIRP	H3F3A	cg16727519	-0.00845270537294834	276	-0.139666603025594	0.889026396745219	7.14482281218697e-05	0.941131349876816
KIRP	H3F3A	cg18947521	-0.119754251665661	292	-2.05057913724108	0.041209699498223	0.0143410807920026	0.125072852792009
KIRP	H3F3A	cg19410789	-0.034816093838965	276	-0.575605247721522	0.565356181419109	0.00121216039020362	0.734768174203608
KIRP	H3F3A	cg21266749	0.0159560022820927	276	0.26366999120048	0.792233132959283	0.000254594008826147	0.886085913082912
KIRP	H3F3A	cg21789564	0.104267710397423	276	1.73222722045933	0.0843625744576962	0.0108717554315209	0.210856292927294
KIRP	H3F3A	cg22519151	0.0711527331899159	276	1.17862339385521	0.239574432884168	0.00506271144039536	0.431502441002754

KIRP	H3F3A	cg27530209	-0.10201553551872	276	-1.6944133600927	0.0913271537234172	0.0104071694871713	0.223178236251704
KIRP	H3F3A	cg27560444	-0.119727106690756	274	-1.98523705453439	0.0481260435060647	0.0143345800765397	0.140302874186225
KIRP	HAT1	cg00414306	-0.129539406001091	276	-2.15852942757219	0.0317583370992311	0.0167804577071154	0.102954888208818
KIRP	HAT1	cg01583365	0.0998907795715203	276	1.65876300210679	0.0983119652185607	0.00997816784340606	0.235192044182369
KIRP	HAT1	cg04507121	0.119815102898991	276	1.99403497813501	0.0471428427495664	0.0143556588826957	0.138226681322922
KIRP	HAT1	cg04950839	-0.115046805223089	276	-1.91359129648277	0.0567181187750181	0.0132357673920393	0.158051700826871
KIRP	HAT1	cg05421799	-0.0143075370108776	276	-0.23642350818433	0.813281345958167	0.000204705615317633	0.899423059406693
KIRP	HAT1	cg09545452	-0.0739415297588654	276	-1.22506810251038	0.221605490629581	0.00546734982308118	0.41008533832959
KIRP	HAT1	cg10190161	0.00556733322943008	276	0.0919888671816912	0.926774349051076	3.09951992875164e-05	0.961351054857318
KIRP	HAT1	cg12941622	-0.124530643729495	276	-2.07372629551903	0.0390423214850377	0.0155078812276823	0.120335117179359
KIRP	HAT1	cg13293756	-0.0230276511129749	276	-0.380580158146442	0.703810766390889	0.000530272715780893	0.830800642772147
KIRP	HAT1	cg14446129	0.0505859196474733	276	0.836888020494682	0.403387491829606	0.00255893526658062	0.599849723647014
KIRP	HAT1	cg16017358	0.119224393601492	292	2.04137513718421	0.0421216264674895	0.0142144560296435	0.127146120185158
KIRP	HAT1	cg24611092	-0.223949959844327	16	-0.859781928720754	0.404392094028054	0.0501535845142755	0.60081154240812
KIRP	HDAC1	cg03762702	-0.177079872498111	276	-2.97282069076148	0.00321411148494241	0.0313572812439471	0.0174315803722539
KIRP	HDAC1	cg04967775	-0.208503929056234	276	-3.52246877308282	0.000500993842535292	0.0434738884318869	0.00375511272629256
KIRP	HDAC1	cg06473843	-0.178063858993678	276	-2.98987925421475	0.00304537080472334	0.0317067378797204	0.016656934288311
KIRP	HDAC1	cg10842753	-0.178156198272757	276	-2.99148053872414	0.00302995566807521	0.0317396309830019	0.0165966169580546
KIRP	HDAC1	cg14172124	-0.201959237795773	276	-3.40712164328917	0.00075540596809889	0.0407875337310494	0.00531104288604977
KIRP	HDAC1	cg20002354	-0.269933593332635	276	-4.63197888620007	5.61160866515724e-06	0.0728641448094686	7.88849809355335e-05
KIRP	HDAC1	cg20793809	-0.224719620720645	276	-3.81043521742841	0.000171446339467009	0.0504989079368304	0.00152620397442459
KIRP	HDAC1	cg21930229	-0.192677769207706	276	-3.24435160873593	0.00132373611212998	0.0371247227468579	0.00847003841972689
KIRP	HDAC1	cg23018091	-0.225718950622187	276	-3.82828781186949	0.000160067384313354	0.0509490446699813	0.00143873854364796
KIRP	HDAC1	cg26115470	-0.194051999005203	276	-3.26839331261909	0.00122015030430077	0.0376561783179152	0.00792720667886872
KIRP	HDAC10	cg00711351	-0.159964583406018	276	-2.67752786876376	0.00786606074189265	0.0255886679442609	0.0354558392348802
KIRP	HDAC10	cg01120165	-0.128788587133985	292	-2.20779231511483	0.0280441144463505	0.0165865001759679	0.0939077065788304
KIRP	HDAC10	cg04321608	-0.0755153068848153	276	-1.25129052175456	0.211899692693943	0.00570256157390783	0.398017345514312
KIRP	HDAC10	cg04586023	-0.248018146875501	292	-4.35229424863802	1.87130269805855e-05	0.0615130011795576	0.000226272863022051
KIRP	HDAC10	cg07482373	-0.15848782270247	276	-2.65216954445851	0.00846559853589465	0.0251183899449696	0.0375255141026432
KIRP	HDAC10	cg07744063	-0.13317811864435	276	-2.22024129620877	0.0272236836277369	0.0177364112856486	0.0918204744910543
KIRP	HDAC10	cg09151829	-0.127897717233937	276	-2.13071589716339	0.0340063119796279	0.0163578260736521	0.108398751803552
KIRP	HDAC10	cg10508940	-0.125838241458494	276	-2.09584935862628	0.0370163882112486	0.0158352630133663	0.115620890810316
KIRP	HDAC10	cg11645658	-0.138292621543169	276	-2.30713743889375	0.0217956422251846	0.0191248491732821	0.0777320951389542
KIRP	HDAC10	cg12464820	-0.152842343976932	276	-2.55539436621246	0.011149193151236	0.0233607821123626	0.0464041694937269
KIRP	HDAC10	cg26943378	-0.126227555381907	276	-2.10243824506615	0.0364306799150421	0.0159333957376925	0.114306714980297
KIRP	HDAC11	cg01409735	-0.210147662420974	276	-3.55151579097714	0.000451001651667027	0.0441620400209996	0.00343770551536201
KIRP	HDAC11	cg01712016	0.0295442044964166	292	0.502470817656882	0.61571902739099	0.000872860019326084	0.771473489512542
KIRP	HDAC11	cg02762546	-0.137227805580902	276	-2.28903080406338	0.0228413242965526	0.0188314706245499	0.0805018793243335
KIRP	HDAC11	cg02941903	-0.0360364066064718	276	-0.595806144309023	0.551798369036538	0.00129862260110697	0.724096323074548
KIRP	HDAC11	cg05987698	-0.191374796321025	276	-3.21566910105787	0.00145856834366701	0.0366243126669137	0.00919140265105154
KIRP	HDAC11	cg07450135	-0.0612975169424674	276	-1.01470931795716	0.311142858553862	0.00375738558331207	0.510063165911688
KIRP	HDAC11	cg08051076	0.0666133113849741	276	1.10308262913144	0.270962703878791	0.00443733325367152	0.467203169146386
KIRP	HDAC11	cg08448040	0.0498301759624733	292	0.84816666445523	0.397047086780806	0.00248304643645105	0.593678040075075
KIRP	HDAC11	cg10061496	0.0460281486031679	16	0.172404286089363	0.865587193515403	0.00211859046383531	0.928628231400494
KIRP	HDAC11	cg10455785	-0.0936141542896419	276	-1.55358215111395	0.121442601458391	0.00876360988336489	0.272916756544306
KIRP	HDAC11	cg11432034	-0.188762819931367	276	-3.17596896587903	0.00166465600273623	0.0356314021884415	0.0102379831668007
KIRP	HDAC11	cg13397067	-0.00291850567837179	276	-0.0482218331182612	0.961574708692351	8.51767539468839e-06	0.979837877082845
KIRP	HDAC11	cg13706066	-0.172305022322913	276	-2.89017265127012	0.00415950677423689	0.0296890207176997	0.0214192418362346
KIRP	HDAC11	cg16254764	-0.170204915596507	292	-2.93632844315139	0.00358823078076004	0.0289697132932142	0.0190061159772892
KIRP	HDAC11	cg18521047	-0.141311866530746	276	-2.35852269354842	0.0190528713000989	0.0199690436224034	0.0700803342751724
KIRP	HDAC11	cg19779799	-0.239912127279657	276	-4.08325186935423	5.83898971569846e-05	0.0575578288158504	0.000607432957934001
KIRP	HDAC11	cg20894727	-0.182588536452518	276	-3.06844000756071	0.00236822001811929	0.0333385736438725	0.0136286918673311
KIRP	HDAC11	cg20922324	-0.0971904900458234	276	-1.61348902434346	0.107793577799951	0.0094459913553473	0.251396864614362
KIRP	HDAC11	cg21655280	-0.175149973176653	276	-2.93939028688716	0.00356988496781431	0.0306775131037823	0.0189483936649398
KIRP	HDAC11	cg25127083	-0.166328504705266	276	-2.7870200022866	0.00569283332014331	0.0276651714774896	0.027519311210292
KIRP	HDAC11	cg25150878	-0.191737283322957	276	-3.22790955087042	0.00139921371298081	0.0367631858160681	0.0088759795899182
KIRP	HDAC11	cg27025856	-0.222012864509797	292	-3.87081989819701	0.000134146012121378	0.0492897120078456	0.00123807745485473

KIRP	HDAC2	cg00161229	-0.0140352228060926	276	-0.231922783321586	0.816771739041159	0.000196987479216663	0.901454766435433
KIRP	HDAC2	cg01129566	0.0719923679009095	276	1.19260372372439	0.234060141155002	0.0051829010359799	0.42502450038543
KIRP	HDAC2	cg08198132	-0.0272196199742596	276	-0.449908633106823	0.653133353639865	0.00074090771154311	0.797417623168644
KIRP	HDAC2	cg10999867	0.0922769566160705	276	1.53119858846805	0.126878251221793	0.00851503672232415	0.281447581281669
KIRP	HDAC2	cg13393754	-0.0311907592137615	276	-0.515606788912086	0.60654635903145	0.000972863460330849	0.764908368799323
KIRP	HDAC2	cg15005908	0.0434959709546153	276	0.71935217882612	0.472539276928113	0.00189189948928473	0.660570000167935
KIRP	HDAC2	cg15242771	-0.110222857175523	276	-1.83234515148539	0.0679892247133036	0.0121490782439357	0.180511031956136
KIRP	HDAC2	cg18387216	-0.0513373970819106	292	-0.873888088559695	0.382904784623192	0.00263552833914577	0.581159278320557
KIRP	HDAC2	cg18674783	0.226005339220903	276	3.83340636417478	0.000156939095574216	0.0510784133563555	0.00141492275608551
KIRP	HDAC2	cg22867643	-0.111662943030669	276	-1.85658543755483	0.064447335751661	0.0124686128462705	0.173445514338363
KIRP	HDAC2	cg24023618	0.154720808526755	276	2.58756617157266	0.0101828135220356	0.0239385285911729	0.0432355526216153
KIRP	HDAC3	cg01947930	0.02686289120562	276	0.444008035580844	0.657388504696438	0.000721614923924976	0.800422764029649
KIRP	HDAC3	cg01961137	-0.00997943380506431	276	-0.164895518212579	0.869148250817315	9.95890990696604e-05	0.930580358895956
KIRP	HDAC3	cg04284814	-0.105724956960336	292	-1.807454306799	0.0717311900153879	0.0111777665242648	0.187666258485189
KIRP	HDAC3	cg08520975	0.00815050200718014	276	0.134672867680605	0.892969760752281	6.64306829690474e-05	0.943239321746183
KIRP	HDAC3	cg10414058	-0.11760876135399	291	-2.00983510411141	0.0453810812726497	0.0138318207472197	0.134434792064014
KIRP	HDAC3	cg11064797	-0.030162783802877	292	-0.513000740127252	0.608342706683897	0.000909793526739097	0.766155141658452
KIRP	HDAC3	cg11153694	-0.0876510257483953	276	-1.45382805536737	0.147142605307417	0.00768270231474585	0.311732348509945
KIRP	HDAC3	cg12082871	0.0229341588233575	276	0.379034187472705	0.704957104911894	0.000525975640934987	0.831604843636347
KIRP	HDAC3	cg14098966	0.0413380893154413	276	0.683601661444129	0.49480652488901	0.0017088376282514	0.679895409760731
KIRP	HDAC3	cg17940889	0.00937018865158274	276	0.15482722239825	0.877071540691587	8.780043536625e-05	0.934920074586898
KIRP	HDAC3	cg18671773	-0.0345045122705182	276	-0.570447784267551	0.568843227453709	0.00119056136702634	0.737211422135603
KIRP	HDAC3	cg19549288	0.0217079881328783	276	0.358759368504427	0.720052399970351	0.000471236748777186	0.841216363112428
KIRP	HDAC3	cg20642138	0.0130648357548628	276	0.215884939305078	0.829238648502835	0.00017068993330154	0.908223772328752
KIRP	HDAC3	cg23421926	-0.0749497940468749	276	-1.24186682282341	0.215351536206347	0.00561747162766896	0.40239851578403
KIRP	HDAC3	cg24385322	-0.115692208879805	292	-1.98006345621138	0.0486447305982041	0.0133846871954885	0.141372839665148
KIRP	HDAC6	cg07153944	-0.0973312869773106	275	-1.61584877588007	0.107282020322999	0.00947337942465959	0.250499669508281
KIRP	HDAC6	cg07674520	-0.114928062518123	256	-1.84386973013279	0.0663668273045837	0.0132084595541696	0.177250101734853
KIRP	HDAC6	cg10783042	-0.13303394742032	291	-2.28185945605132	0.0232246248760661	0.0176980311662324	0.0815424681865182
KIRP	HDAC6	cg12510923	-0.0630027771267581	274	-1.04113679189184	0.298736593116739	0.00396934992568395	0.496940395264158
KIRP	HDAC6	cg13178935	-0.130266521075187	275	-2.17085398258502	0.0308039296822695	0.0169693665130322	0.100624014516165
KIRP	HDAC6	cg17152375	-0.131405535964559	275	-2.19016738431376	0.0293581231599226	0.0172674148821331	0.0971411608652552
KIRP	HDAC6	cg24616736	-0.130779955331541	291	-2.24251929750266	0.0256859820390569	0.0171033967165197	0.0879457456426388
KIRP	HDAC6	cg26680189	-0.127816707505718	275	-2.12934389142772	0.034120655962979	0.0163371107176022	0.108670363955784
KIRP	HDAC9	cg00332048	-0.183281763190012	276	-3.08049398747846	0.00227754541223039	0.0335922047180398	0.0132059326379012
KIRP	HDAC9	cg02301805	-0.0152668185768001	276	-0.252278642763208	0.801015524930006	0.000233075749456928	0.891390574493362
KIRP	HDAC9	cg03260621	0.156002852807175	276	2.60953977959349	0.00956658067247522	0.024336890083977	0.0411377246605791
KIRP	HDAC9	cg07513622	-0.0702291646727449	276	-1.16324843211295	0.245744454837965	0.00493213557063152	0.43869484876921
KIRP	HDAC9	cg08146609	0.0950866923792526	276	1.57824101636272	0.115668232433451	0.00904147906762661	0.263924647210354
KIRP	HDAC9	cg08285151	-0.0396423235053912	292	-0.674449661442248	0.50056462364629	0.00157151381290609	0.684434912240785
KIRP	HDAC9	cg08725366	-0.124832876611673	276	-2.07883875167159	0.0385659181719105	0.0155832470831452	0.119173665869538
KIRP	HDAC9	cg10068437	-0.059717902665997	276	-0.988465806995289	0.323799834327141	0.0035662278988255	0.523196818745901
KIRP	HDAC9	cg11321459	0.0814305895574445	276	1.34993727141668	0.178154306963328	0.00663094091567299	0.354730897258899
KIRP	HDAC9	cg11765288	0.0188757957971914	276	0.311934906446134	0.755328095940379	0.000356295666977268	0.863458464668651
KIRP	HDAC9	cg12081743	-0.0671126585868598	292	-1.14349331150627	0.25378014015336	0.0045041089425964	0.447817360148582
KIRP	HDAC9	cg16475478	-0.0959208705438675	276	-1.59221464593094	0.112493670307487	0.00920081340589338	0.25912215639418
KIRP	HDAC9	cg18856632	-0.13125153914086	276	-2.18755566414213	0.0295501394486864	0.0172269665268446	0.0976035256636913
KIRP	HDAC9	cg19585556	-0.0103237290808104	273	-0.169645219436183	0.865416193368849	0.000106579382133969	0.928545443030636
KIRP	HDAC9	cg20648975	-0.0738169702176583	276	-1.22299307563554	0.222386985457758	0.00544894509211466	0.410976225180486
KIRP	HDAC9	cg21433125	0.0344039189283426	276	0.56878274552595	0.569971189908296	0.00118362963762797	0.738083041992942
KIRP	HDAC9	cg23074799	-0.0670985334931728	276	-1.11115386803462	0.267479763279604	0.00450221319693443	0.463230647920158
KIRP	HDAC9	cg23385718	-0.130550729257895	276	-2.17567226084091	0.030437593603776	0.0170434929097683	0.0997788198904069
KIRP	HDAC9	cg24350771	0.00975960290275241	276	0.16126278481205	0.87200570838198	9.52498488194133e-05	0.932112017694313
KIRP	HDAC9	cg25620356	-0.0162245606753456	276	-0.268109027900663	0.788817864771485	0.000263236369107972	0.8838270665687
KIRP	HDGF	cg00692559	-0.00425146328001741	276	-0.0702463366837066	0.944049022907568	1.80749400213363e-05	0.970124693711892
KIRP	HDGF	cg00746981	0.139380801116198	292	2.39283038046619	0.0173573800235578	0.019427007719793	0.0652886578451145
KIRP	HDGF	cg01910231	-0.0362842434568238	276	-0.599909125920094	0.549064406088995	0.00131654632323406	0.722079933855483

KIRP	HDGF	cg02914429	-0.0555847380548672	276	-0.91983268441384	0.358472242099773	0.00308966310462821	0.557449918080792
KIRP	HDGF	cg04402095	-0.0677958346413596	276	-1.12275424174474	0.262528316933874	0.00459627519471858	0.457958738172791
KIRP	HDGF	cg05762852	0.0759030221480355	276	1.25775210519489	0.209556201392041	0.00576126877120517	0.395031076205896
KIRP	HDGF	cg05967123	0.00640342869039407	276	0.105804714984672	0.91581542453753	4.10038989929619e-05	0.955512253653278
KIRP	HDGF	cg06106793	0.0701204382352026	292	1.19498887608846	0.233071100709488	0.00491687585829686	0.423838929233921
KIRP	HDGF	cg06119628	-0.0823867102443502	276	-1.3658953043492	0.173096010305648	0.00678757002488652	0.347972273133432
KIRP	HDGF	cg07313589	0.0155718271836897	276	0.257320009894228	0.797125588459302	0.000242481801838696	0.888991298524879
KIRP	HDGF	cg07892339	0.0113900662127472	276	0.188206988396739	0.850854215907219	0.000129733608330765	0.920495849101554
KIRP	HDGF	cg08597205	0.0149263204945847	275	0.246198611446911	0.805714177701383	0.000222795043507058	0.894530166121041
KIRP	HDGF	cg08708935	-0.0718159474447302	276	-1.1896602609969	0.235211293287184	0.00515753030738425	0.426388296359771
KIRP	HDGF	cg09063372	-0.0431559585940196	276	-0.713718396912354	0.476011043111899	0.00186243676216873	0.663801008995932
KIRP	HDGF	cg09477492	-0.0246245211535598	276	-0.406987272884371	0.684336243891702	0.000606367042042112	0.81824353990198
KIRP	HDGF	cg11588596	0.0985337715209161	276	1.63600637934339	0.102990580041749	0.0097089041301361	0.243268555870782
KIRP	HDGF	cg12220178	-0.085338949896141	276	-1.41519351835027	0.158151445448973	0.00728273636937606	0.32718755278189
KIRP	HDGF	cg12421458	0.0208984838859447	292	0.355351833893458	0.72258524090576	0.000436746628731091	0.842821102180381
KIRP	HDGF	cg13170934	-0.0437117276476868	276	-0.72292725554046	0.47034346071984	0.00191071513394555	0.658887205493365
KIRP	HDGF	cg13235992	0.042951451829097	276	0.710329973674677	0.478105879694423	0.00184482721422724	0.665719864058492
KIRP	HDGF	cg14155849	-0.0406600670569711	276	-0.672370588556896	0.501916465485038	0.00165324105307739	0.685648358449986
KIRP	HDGF	cg15503799	0.0205736379454708	292	0.34982588911192	0.726724163826465	0.000423274578311314	0.845278764420197
KIRP	HDGF	cg17170583	-0.0533334664541473	276	-0.882469454790055	0.378299355600278	0.00284445864401565	0.576900399301511
KIRP	HDGF	cg17218029	-0.103336537780703	276	-1.71658966488332	0.0871884501982292	0.0106784400405026	0.215910347493406
KIRP	HDGF	cg17971171	0.0762203749517208	276	1.26304146916018	0.207651943100328	0.00580954555778091	0.392670586585647
KIRP	HDGF	cg18593717	-0.0737437908057856	276	-1.22177401283888	0.222847032047254	0.00543814668240747	0.411540937948584
KIRP	HDGF	cg19599803	-0.0447521378596375	276	-0.740168228069149	0.459833982334601	0.002002753843008	0.649658788557235
KIRP	HDGF	cg20284773	0.0488247137882927	276	0.80767993632483	0.419978033684181	0.0023838526765087	0.615276005205687
KIRP	HDGF	cg23747104	0.11229631777284	276	1.86725047655868	0.0629382404728428	0.0126104629853386	0.170469238888111
KIRP	HDGF	cg26431298	0.0327924270086018	276	0.542111371809068	0.588183995141231	0.00107534326911448	0.751781577557166
KIRP	HDGFL1	cg02685945	0.0219616406055605	275	0.362953394154044	0.716920556714361	0.000482313658087804	0.839145355897823
KIRP	HDGFL1	cg03930485	0.0285207727797857	275	0.47143228308815	0.637708592573113	0.000813434479956166	0.786859254070434
KIRP	HDGFL1	cg05276066	-0.00712093703773999	275	-0.117660172473194	0.906423444001678	5.07077442954572e-05	0.950468471103082
KIRP	HDGFL1	cg06566039	-0.00554024712867791	275	-0.0915413106425355	0.927129616183084	3.06943382468238e-05	0.961504354069898
KIRP	HDGFL1	cg08671671	0.00632912817945783	275	0.104576454429187	0.916788687888279	4.00578635120072e-05	0.956092272850833
KIRP	HDGFL1	cg09081892	0.00781887586135477	275	0.129192980375793	0.897300080791625	6.11348197352763e-05	0.945643449139137
KIRP	HDGFL1	cg11894257	0.0385814838789456	275	0.637945710618267	0.524043746311316	0.00148853089830134	0.703238847019071
KIRP	HDGFL1	cg15317945	0.04893959435218	275	0.809584898438479	0.418883852251962	0.00239508389535593	0.614320867227621
KIRP	HDGFL1	cg20209681	0.0241778211752792	275	0.39959980969776	0.689763619755965	0.000584567036783778	0.821699937756236
KIRP	HDGFL1	cg21898884	-0.0823966043501559	275	-1.36606046066615	0.173044230224506	0.00678920040843614	0.347940109746322
KIRP	HIST1H1	cg00667898	0.104379391358622	275	1.7341030321306	0.084028658081944	0.0108950573403964	0.210271661954026
KIRP	HIST1H1	cg00700007	0.127525177846329	275	2.12440681352136	0.0345348536450141	0.0162626709847379	0.1097155390395
KIRP	HIST1H1	cg03821311	0.00345444269653428	291	0.0587258762351879	0.953211033960255	1.1933174343639e-05	0.975269459194863
KIRP	HIST1H1	cg04676561	0.0821399945779393	291	1.40111455250539	0.162252714997741	0.0067469787092639	0.332878045140773
KIRP	HIST1H1	cg07138603	0.139644038474512	275	2.33012932657622	0.0205283634474032	0.019500457481471	0.0742886684666364
KIRP	HIST1H1	cg11206041	0.147564613806745	275	2.46515505052582	0.0143110524012552	0.0217753152479337	0.0562990650064854
KIRP	HIST1H1	cg14334286	0.147285171722961	275	2.46038318973176	0.0144984782671626	0.0216929218094621	0.0568413246441496
KIRP	HIST1H1	cg18798248	0.105680143934968	275	1.75595558927648	0.0802173584189094	0.0111682928221155	0.203450238999793
KIRP	HIST1H1	cg23460835	0.146660908899082	275	2.44972521050212	0.0149249736501465	0.021509422199105	0.0581467047345502
KIRP	HIST1H1	cg00903962	-0.0218165598396106	276	-0.360554542641343	0.718711291201415	0.000475962283235308	0.840343676732541
KIRP	HIST1H1	cg04290376	0.130431873141699	276	2.17365718625765	0.030590340404493	0.0170124735312522	0.100137523774584
KIRP	HIST1H1	cg07750111	-0.0383604882332674	292	-0.652608642377423	0.514527376111449	0.00147152705749465	0.696051589350921
KIRP	HIST1H1	cg08283682	-0.112637981002622	276	-1.87300450659021	0.0621363233488869	0.0126873147643471	0.168929371577784
KIRP	HIST1H1	cg10717387	0.1594892436392	276	2.66936352650667	0.00805477658499001	0.025436818836604	0.0361160397494359
KIRP	HIST1H1	cg12633985	-0.0931699277616328	276	-1.54614523864813	0.123227900740072	0.00868063543910787	0.275748347768537
KIRP	HIST1H1	cg15022984	0.108860419553457	276	1.80942263850016	0.0714851704071186	0.0118505909453546	0.187205189074644
KIRP	HIST1H1	cg16481032	0.00320889161453016	276	0.0530198638099433	0.957754857079181	1.0296985393802e-05	0.977712796257746
KIRP	HIST1H1	cg16482183	0.0180284864169669	276	0.297927903546988	0.765984797448739	0.000325026322486761	0.870230322493277
KIRP	HIST1H1	cg17691542	0.00423651993491783	276	0.0699994254308347	0.944245364169006	1.79481011589562e-05	0.970185463237239
KIRP	HIST1H1	cg20855557	0.0488898110012668	276	0.808759381502091	0.419357809488781	0.00239021361973959	0.614744996095311

KIRP	HIST1H1	cg21453677	0.0665886348583932	16	0.249706076685773	0.80644130746369	0.00443404629230441	0.895075584958934
KIRP	HIST1H1	cg23407813	0.123889174376715	276	2.06287738552886	0.0400699443664412	0.0153485275277441	0.12263505557583
KIRP	HIST1H3	cg00958605	0.00230269974454468	275	0.038046944747583	0.969678059412486	5.30242611352614e-06	0.984061878304425
KIRP	HIST1H3	cg01043409	-0.0120070376623923	275	-0.198403123269465	0.842877339927334	0.000144168953426107	0.91604282322093
KIRP	HIST1H3	cg08041469	-0.00281049173438925	275	-0.0464371278997759	0.962995795427723	7.89886378907027e-06	0.980550489719862
KIRP	HIST1H3	cg08401836	-0.0221262000544101	275	-0.365674345549522	0.714891268638997	0.000489568728847776	0.837841624521711
KIRP	HIST1H3	cg10075390	0.0504012116942385	275	0.833824435327492	0.405108890882714	0.00254028214024744	0.601558362582409
KIRP	HIST1H3	cg15479139	-0.0522498326768356	275	-0.864489773149749	0.388077849261441	0.00273004501475731	0.585908906116104
KIRP	HIST1H3	cg15797414	-0.0593382284344188	291	-1.01053050393233	0.313086493941866	0.00352102535373526	0.512094754419779
KIRP	HIST1H3	cg21209604	0.388224742375922	275	6.96047197760882	2.52026901317765e-11	0.150718450592851	1.10957446299458e-09
KIRP	HIST1H3	cg23099349	-0.0928503209664176	291	-1.58530384525127	0.113990884270411	0.00862118210356677	0.261332827953094
KIRP	HIST1H3	cg25701114	0.177534062708552	275	2.98069346515106	0.00313519816620115	0.031518343421804	0.0170690465491953
KIRP	HLTF	cg00906762	-0.0413743168176401	276	-0.684201776956394	0.494428145082113	0.00171183409212645	0.679531882029537
KIRP	HLTF	cg02059813	0.117381952199972	292	2.00938437752183	0.0454258867759521	0.0137785227022766	0.134523672961947
KIRP	HLTF	cg02398045	-0.168826638244831	276	-2.83009776077537	0.00499900488497138	0.0285024337810511	0.0247639191302511
KIRP	HLTF	cg02611507	-0.256152040143287	276	-4.37840519670998	1.70478118032204e-05	0.0656138676695682	0.000208393694440561
KIRP	HLTF	cg02710346	0.0385902301524129	276	0.638090546113762	0.523949608054381	0.0014892058632162	0.703136776707939
KIRP	HLTF	cg03678609	-0.135764571783852	276	-2.26416246309751	0.0243487995400154	0.0184320189516528	0.0845167995455987
KIRP	HLTF	cg04120413	-0.141482052863597	276	-2.36142112014016	0.0189076278410112	0.0200171712824977	0.0697208133982854
KIRP	HLTF	cg04731810	-0.184896900404002	276	-3.10859683322486	0.00207842575719767	0.0341868637790075	0.0122721140526482
KIRP	HLTF	cg04836786	-0.133637032208014	291	-2.28842199767631	0.0228372374627623	0.0178588563773657	0.0804911222896943
KIRP	HLTF	cg05555455	-0.0934814674578066	276	-1.5513607083522	0.121973735881812	0.00873878475806495	0.273745054068882
KIRP	HLTF	cg07275648	-0.139381050297003	276	-2.32565402741242	0.0207698464229659	0.0194270771818956	0.0749498762699791
KIRP	HLTF	cg09352720	-0.130929381287362	276	-2.18209252583562	0.0299553095894835	0.0171425028842914	0.0985679449371574
KIRP	HLTF	cg09392355	0.148490704108479	276	2.48097364678968	0.0137050184804776	0.0220494892066317	0.0544685913799056
KIRP	HLTF	cg15438497	-0.168464452367219	276	-2.82384877854208	0.00509463928695763	0.028380271711387	0.025157570692496
KIRP	HLTF	cg16724124	0.183775837570399	276	3.08908796321871	0.0022148629823022	0.0337735584747015	0.0128969349435043
KIRP	HLTF	cg20117402	0.0134437458895456	276	0.222147212437376	0.82436538021703	0.000180734303542675	0.905608704209611
KIRP	HLTF	cg21089667	0.0332284596860417	292	0.565195925878859	0.572378995783978	0.0011041305331069	0.739981580051497
KIRP	HLTF	cg21111416	-0.150012512474727	276	-2.50698225117367	0.0127580270818914	0.0225037538989802	0.0516133568646677
KIRP	HLTF	cg21835021	-0.109542117965151	276	-1.82089066562542	0.0697180789537777	0.0119994756082911	0.183827556742482
KIRP	HLTF	cg21926402	-0.121445928614545	276	-2.02157969286906	0.0441953330685048	0.0147491135770492	0.131835259815609
KIRP	HLTF	cg24041269	-0.118306458952904	276	-1.96856850629635	0.0500142281826693	0.0139964182299752	0.144317762138078
KIRP	HLTF	cg24710191	0.200441403255991	276	3.36181402838504	0.000886278174375162	0.0401767561392307	0.00607142693706775
KIRP	HLTF	cg25951608	0.0444295798273304	276	0.734822759620351	0.463078176940615	0.00197398756363312	0.652373258306047
KIRP	HLTF	cg26151310	-0.102487724509846	292	-1.75151431956309	0.080918134469732	0.0105037336752062	0.204609965774847
KIRP	HLTF	cg27554556	-0.0645428558682446	276	-1.06865120206139	0.286170877052442	0.004165780243629	0.483450721428658
KIRP	IDH1	cg00707300	0.029884740385725	276	0.493997591218367	0.621705106575884	0.00089309770792218	0.77589962237245
KIRP	IDH1	cg01046174	0.0504238309615911	292	0.858296957728698	0.391439781703193	0.00254256272884311	0.588528977964094
KIRP	IDH1	cg02241586	-0.0121875896603832	292	-0.207204413594405	0.835996142438476	0.000148537341729881	0.912202593517901
KIRP	IDH1	cg03448938	-0.00729309168456751	276	-0.120504855701971	0.90417187304952	5.31891863195078e-05	0.949279459053587
KIRP	IDH1	cg05268564	0.0714930494275944	276	1.18428952096999	0.237328529619273	0.00511125611645645	0.428747750527187
KIRP	IDH1	cg07129696	0.000498446517326313	276	0.00823568909774534	0.993434960056977	2.48448930634731e-07	0.996560661285267
KIRP	IDH1	cg07915542	0.27635740701364	292	4.8884572146487	1.68808353304204e-06	0.0763734164113028	2.71946097265422e-05
KIRP	IDH1	cg09406631	0.0314554571529302	276	0.519986761120213	0.603494188707221	0.000989445784699827	0.762517896967509
KIRP	IDH1	cg09615745	0.0718735074931301	276	1.1906244854667	0.234835273916261	0.00516580107936503	0.425915074698473
KIRP	IDH1	cg10356455	0.0587247483223582	276	0.971969495288185	0.331926110651356	0.00344859606552431	0.531620272008804
KIRP	IDH1	cg14772913	0.0416880729917828	276	0.689399321411778	0.49115755161693	0.00173789542976821	0.676818481781406
KIRP	IDH1	cg15399923	-0.0460564489290168	276	-0.76178580249603	0.446845449352223	0.00212119648795113	0.638525793180501
KIRP	IDH1	cg16085695	-0.00836048368695203	276	-0.138142689157594	0.890229485841213	6.98976874797911e-05	0.941892265719142
KIRP	IDH1	cg16863783	0.0888265236124085	276	1.47347953583102	0.141773853972568	0.00789015129706577	0.303959079397602
KIRP	IDH1	cg24324379	-0.017929997172323	292	-0.304858959629234	0.760693002697846	0.00032148479859951	0.866859496396774
KIRP	IDH1	cg24830471	0.117344384538639	276	1.95233556335663	0.051920389823075	0.013769704582752	0.148294408558075
KIRP	IDH1	cg24987806	-0.00452321082973971	276	-0.074736472772079	0.940479121532737	2.04594362102746e-05	0.968318554824381
KIRP	IDH1	cg25795625	0.0161664052369782	276	0.267147764186428	0.789557090040737	0.000261352658286196	0.884160724448794
KIRP	IDH1	cg26105702	-0.0606656478980717	276	-1.00421061877786	0.316166350820093	0.00368032083489281	0.515430857639479
KIRP	ING2	cg02075087	-0.0396737522592243	276	-0.656034472956294	0.512354468165487	0.0015740066183263	0.694246908250294

KIRP	ING2	cg02552216	-0.0508229790311316	276	-0.840820038089472	0.401184595767254	0.00258297519759884	0.59778494978103
KIRP	ING2	cg10348863	0.0952576857034991	292	1.62677819091488	0.104874018048801	0.00907402668558661	0.246437786506629
KIRP	ING2	cg17985608	0.0502156543493379	276	0.830746848432694	0.406842595455319	0.00252161194173218	0.602993687106258
KIRP	ING3	cg01382559	-0.12511451485241	276	-2.08360336582408	0.0381264092943889	0.0156536418267539	0.118181690427051
KIRP	ING3	cg01416111	-0.126082659868216	276	-2.09998586702286	0.0366477456430063	0.0158968371194443	0.11475044172075
KIRP	ING3	cg10268125	0.157614753194743	276	2.63718615577347	0.00883886155753385	0.0248424104246398	0.0387888755010316
KIRP	ING3	cg14303833	-0.0475869477683803	276	-0.787157186687712	0.431872685472845	0.00226451759791056	0.625670415647098
KIRP	ING3	cg16130600	0.219474989166841	276	3.7169481166765	0.000244624883045625	0.0481692708697848	0.00205511319132304
KIRP	ING3	cg18485114	0.0571766007245834	276	0.946260492854248	0.34485252107336	0.00326916367041843	0.544096773735974
KIRP	ING3	cg19478983	0.246551849516766	276	4.20346783945768	3.56548095738216e-05	0.0607878145001382	0.000396643823249804
KIRP	ING3	cg19960827	-0.0937993325622262	276	-1.55668254520116	0.120704357423163	0.00879831478911911	0.271750096359554
KIRP	ING3	cg20553930	-0.0519662642411863	276	-0.859785305923444	0.390661775821015	0.00270049261918479	0.587908206376648
KIRP	ING3	cg24859794	0.00437541058352617	276	0.0722943393989386	0.942420605305375	1.91442177744328e-05	0.969360436972794
KIRP	ING4	cg00369908	0.0192892461740186	276	0.318769961008945	0.750144707580821	0.000372075017961891	0.860047091364456
KIRP	ING4	cg00443163	-0.354376570575196	276	-6.26162373739503	1.4730651407078e-09	0.125582753772637	4.72364507651372e-08
KIRP	ING4	cg00591160	-0.243849868089038	275	-4.14685622875809	4.5087256857078e-05	0.0594627581670413	0.000485335278807185
KIRP	ING4	cg03930474	-0.0930870184325539	292	-1.58938043991047	0.113067861207256	0.00866519300066264	0.260090517009884
KIRP	ING4	cg04375284	-0.150571340920927	276	-2.51653752469639	0.0124250192313724	0.0226717287067259	0.0505222635419916
KIRP	ING4	cg08733494	-0.20518165512266	276	-3.46385461061176	0.000618087651875109	0.042099511598874	0.00448833294035025
KIRP	ING4	cg12392916	-0.0913825951427609	276	-1.51623240162606	0.130617625815267	0.00835077869502575	0.287114452337399
KIRP	ING4	cg18123790	-0.0494994529920851	276	-0.818868998186904	0.413575394926636	0.00245019584651564	0.609160853311222
KIRP	ING4	cg23354319	-0.13484624183386	276	-2.24856273787695	0.0253380648140592	0.0181835089367159	0.0870764418494023
KIRP	ING4	cg27116036	-0.191848376493189	276	-3.2298512569199	0.00139009693367481	0.0368057995630726	0.00883723141769209
KIRP	INO80	cg00734724	0.0343464243010088	276	0.567831092090175	0.570616358521787	0.00117967686226493	0.738622982934433
KIRP	INO80	cg06380007	0.0839702083373908	292	1.43255293839771	0.153066401219668	0.00705099588822482	0.320208694419058
KIRP	INO80	cg12580230	-0.109175876828831	276	-1.81472916833766	0.0706629597591249	0.0119193720813441	0.18563941278878
KIRP	INO80	cg18952654	0.123487894258642	276	2.05609203465214	0.0407243182763107	0.0152492600284335	0.123938174477244
KIRP	INO80	cg21007089	-0.135893909953038	276	-2.26636001487049	0.0242121809937367	0.0184671547623244	0.0841364366921319
KIRP	INO80	cg21598047	-0.0105210656336764	276	-0.173846155657368	0.862115208494455	0.000110692822068126	0.926736375100517
KIRP	INO80	cg22835709	-0.168313752416005	276	-2.82124902048664	0.00513491347414606	0.0283295192523563	0.0253178767149017
KIRP	INO80	cg26409855	0.170962156194034	276	2.86696705575765	0.00446722878343066	0.0292280588505134	0.0226635969726233
KIRP	INO80	cg27441689	-0.198320320876924	276	-3.34319447395771	0.000944035881456183	0.039330949672726	0.00639835575553252
KIRP	INTS12	cg00093890	0.0241113265932898	276	0.398500348742218	0.69057289173358	0.000581356070088285	0.822193967469674
KIRP	INTS12	cg01852585	0.0424185646487445	276	0.701501113728735	0.483587902098937	0.00179933462685971	0.670437104697392
KIRP	INTS12	cg03607115	0.12947474417341	276	2.15743358543033	0.0318444198241534	0.01676370937877	0.103156560308149
KIRP	INTS12	cg19703969	0.0340162670777644	276	0.562366425133668	0.57432785707001	0.0011571064259058	0.741542278173455
KIRP	INTS12	cg26533745	-0.0514172000523127	276	-0.850676793309465	0.395694405111359	0.00264372846121955	0.592406961841982
KIRP	IWS1	cg02372421	-0.0957423379226345	276	-1.58922369567257	0.113167286523426	0.00916659527089194	0.260237324788515
KIRP	IWS1	cg02592214	-0.16951209647595	276	-2.8419275622503	0.00482241881386106	0.0287343508516717	0.0240854679767275
KIRP	IWS1	cg10180764	-0.170434495094566	276	-2.8578532428213	0.0045936544639479	0.0290479171181398	0.0231675043998938
KIRP	IWS1	cg10488833	-0.145053973390378	276	-2.42230388126719	0.0160737717672527	0.0210406551963365	0.0615254379483202
KIRP	IWS1	cg15239145	-0.182235511332337	276	-3.06230334926486	0.00241564816627613	0.0332097815905585	0.0138438843851305
KIRP	IWS1	cg17144508	0.0185834588891868	276	0.307102165203464	0.758999734288743	0.000345344944286095	0.865784327178675
KIRP	IWS1	cg18451256	-0.0192468579678891	276	-0.318069202695099	0.750675613148899	0.000370441541636095	0.860249814381755
KIRP	IWS1	cg18530950	-0.0546300503021851	276	-0.903986523945932	0.366799549203863	0.00298444239601928	0.565695335846423
KIRP	IWS1	cg19311602	0.117942085964484	292	2.01910787468637	0.0443990899560015	0.0139103356416537	0.132255429776274
KIRP	IWS1	cg19409088	-0.00776275239391631	276	-0.128265584072921	0.898033236522824	6.02603247292533e-05	0.946027651130161
KIRP	IWS1	cg21581038	0.0441754938048456	276	0.730612179336737	0.465642608579934	0.00195147425290195	0.654930412074985
KIRP	IWS1	cg21679674	-0.0714944838693077	276	-1.18431340472021	0.237319094495195	0.00511146122373869	0.428747750527187
KIRP	IWS1	cg22409775	-0.0607900293599859	276	-1.0062771589631	0.315173329822465	0.00369542766958794	0.514318552194346
KIRP	IWS1	cg23570261	-0.0128035195184275	292	-0.217677674507323	0.827833869000416	0.000163930112058753	0.907452970836894
KIRP	IWS1	cg23623107	0.0267083445935522	276	0.441451755881868	0.659235420400624	0.000713335670927928	0.801686217113268
KIRP	JADE1	cg09863040	-0.0304930690854939	275	-0.504062587643382	0.614623939158357	0.000929827262252706	0.770790848282879
KIRP	JADE1	cg12832492	-0.0442297505322948	275	-0.731511281407046	0.465094349930992	0.00195627083214903	0.654301237992904
KIRP	JADE1	cg14617908	0.136852901549939	275	2.28265768703794	0.0232196704115139	0.0187287166626372	0.0815324324077324
KIRP	JADE1	cg15389440	0.0624284123297638	275	1.03350255945763	0.302283431579374	0.00389730666601501	0.500686183484739
KIRP	JADE1	cg15836763	-0.023211400415656	275	-0.383618630728557	0.701559709735807	0.000538769109255916	0.829040408886651

KIRP	JADE1	cg20039387	0.084176261706556	275	1.39577386771752	0.16391672074601	0.00708564303489061	0.335175118247209
KIRP	JADE1	cg22922695	0.0347252391600708	275	0.574101355577063	0.566371920231941	0.00120584223472411	0.735398000235461
KIRP	JADE1	cg26766900	-0.0834957412330851	275	-1.38441023068499	0.167363413761148	0.00697153880406231	0.340121980411043
KIRP	JADE2	cg04590931	-0.0382857374546939	291	-0.65133507451203	0.515347789844892	0.00146579769244975	0.696701062894368
KIRP	JADE2	cg04842522	-0.119258672577197	275	-1.98464060577744	0.0481854148991659	0.0142226309848751	0.140415649036024
KIRP	JADE2	cg17378563	-0.1044832968379	275	-1.73584830509372	0.0837189459419518	0.0109167593181166	0.209631507680192
KIRP	JADE2	cg18145011	-0.137046918977535	275	-2.28595572816668	0.0230232014596806	0.018781858001235	0.080977797918184
KIRP	JADE2	cg21194015	-0.0343729955855126	275	-0.568270900381792	0.570318149251403	0.00118150282552167	0.738335692580646
KIRP	JADE2	cg25669900	-0.147320857992315	275	-2.46099254866082	0.0144744236915097	0.0217034351995918	0.0567752390791764
KIRP	JADE2	cg26133206	-0.117102747863788	275	-1.94825934022215	0.0524085285710994	0.0137130535572499	0.149321310857754
KIRP	JADE3	cg10860619	0.318440485128027	275	5.55044038776454	6.74436231336635e-08	0.101404342568573	1.52564967085206e-06
KIRP	JADE3	cg17843048	0.313510395439368	291	5.61263923041641	4.67043615090661e-08	0.0982887680485491	1.10000578239064e-06
KIRP	JADE3	cg19194595	0.345683798609178	291	6.26271427430469	1.36660597701279e-09	0.119497288620871	4.41135872928352e-08
KIRP	JARID2	cg01769037	0.0283655762667642	292	0.48240891012082	0.629880664986046	0.000804605916945619	0.781613865436172
KIRP	JARID2	cg03223185	0.0903587692092364	276	1.49910430479455	0.135002041079654	0.00816470717300806	0.293722697833946
KIRP	JARID2	cg05197191	-0.0953839601262468	276	-1.5832202728998	0.114529008057622	0.00909809984936544	0.262194121538505
KIRP	JARID2	cg06047828	-0.0923048310961157	276	-1.53166509807375	0.126763052226979	0.00852018184368245	0.281216097326421
KIRP	JARID2	cg14862454	-0.0491551833223914	276	-0.81315990538958	0.416834980611208	0.0024162320474579	0.612355027507664
KIRP	JARID2	cg15109221	0.0919636786048931	276	1.52595579117504	0.128178538836091	0.00845731818254408	0.283308950128243
KIRP	JARID2	cg21397480	-0.0702991863948142	276	-1.16441400189557	0.245272819249343	0.00494197560777283	0.438184721568112
KIRP	JARID2	cg21901688	-0.112198664678824	276	-1.86560600140048	0.0631689990197856	0.0125885403557112	0.170909787143783
KIRP	JARID2	cg25338254	-0.199889252446353	276	-3.37073905944603	0.000857935758503501	0.0399557132435617	0.00591162572161394
KIRP	JMJD6	cg02318866	-0.0725629202499905	276	-1.20210515275989	0.230364460616982	0.00526537739520648	0.420601127704598
KIRP	JMJD6	cg04510639	0.111258022741444	276	1.84976841531571	0.065427581592751	0.0123783476243357	0.175428182340472
KIRP	JMJD6	cg07312083	0.00932742261137425	276	0.154121018642241	0.877628186903124	8.70008125711757e-05	0.93508378080836
KIRP	JMJD6	cg08857478	0.0244691665920102	276	0.404418072505629	0.686221971013301	0.000598740113707548	0.819364702560262
KIRP	JMJD6	cg10712116	0.158955085535915	276	2.66019120505327	0.00827164520383445	0.0252667192177301	0.0368716689770282
KIRP	JMJD6	cg12504415	0.171087121146467	276	2.86912583418447	0.00443775066248311	0.0292708030221858	0.0225478659158259
KIRP	JMJD6	cg15457598	0.00477075040873966	276	0.0788266303733846	0.937228269139276	2.27600594624897e-05	0.966447548705242
KIRP	JMJD6	cg21102709	-0.00471361149376396	276	-0.0778825087099974	0.937978564520748	2.22181333141437e-05	0.966823956227089
KIRP	JMJD6	cg21807925	-0.126611316764871	276	-2.1089341244928	0.0358610310127181	0.0160304255329346	0.112900568458251
KIRP	JMJD6	cg23630158	-0.183097768655057	276	-3.07729418708967	0.00230129852110418	0.0335247928864607	0.013319486433359
KIRP	JMJD6	cg25004679	0.0122665377625758	276	0.202691716172055	0.839526975794573	0.000150467948680698	0.914106422312525
KIRP	JMJD6	cg25908504	0.0031835831970269	276	0.0526016937174112	0.958087736914793	1.0135201972392e-05	0.977917888758433
KIRP	JMJD6	cg26612088	0.0287092137474475	276	0.474549666942604	0.63548735895075	0.000824218953996626	0.78533921528538
KIRP	JMJD8	cg00873473	-0.23569502058649	276	-4.00721586588221	7.93026287460226e-05	0.0555521427292661	0.000788909041006149
KIRP	JMJD8	cg02851105	-0.231825683026416	276	-3.93766125809725	0.000104512470266393	0.0537431473106642	0.00100054677724635
KIRP	JMJD8	cg03899598	-0.197074125914385	276	-3.32133501474744	0.00101802225634447	0.038838211104919	0.00681373340876382
KIRP	JMJD8	cg05787952	-0.17046343391653	276	-2.85835301121178	0.00458663817914367	0.0290577823026153	0.023138118832002
KIRP	JMJD8	cg06191810	-0.22437831049697	276	-3.80434076310799	0.000175502998612467	0.0503456262214747	0.00155626128736559
KIRP	JMJD8	cg06646636	-0.228289078610062	276	-3.8742606930251	0.000133964418004251	0.052115903412631	0.00123698847883949
KIRP	JMJD8	cg08398290	-0.225013481525771	276	-3.81568359552297	0.000168024078755434	0.0506310668683484	0.00149989515954424
KIRP	JMJD8	cg26750188	0.0503767534075377	276	0.833418774099222	0.405337158602914	0.00253781728388386	0.601714120453145
KIRP	JMJD8	cg27579097	-0.0952718442011516	276	-1.58134227280979	0.1149576360906	0.0090767242974885	0.262813399025277
KIRP	KAT2B	cg00770008	-0.124969240730857	276	-2.08114562745646	0.0383525841264669	0.015617311128847	0.118655833347956
KIRP	KAT2B	cg04371528	-0.066976686050612	276	-1.10912696978949	0.268351496669373	0.00448587647432225	0.464130735051852
KIRP	KAT2B	cg05072819	-0.0575885892501665	276	-0.953101421105008	0.34138179664484	0.00331644561182439	0.540554762633598
KIRP	KAT2B	cg12062464	-0.0821968566670723	292	-1.40209108107811	0.161961215430564	0.00675632324594723	0.332487420324721
KIRP	KAT2B	cg14937543	-0.0907209581602112	276	-1.50516299447196	0.133438259642319	0.00823029224950679	0.291387957069883
KIRP	KAT2B	cg18053505	-0.106224055989825	292	-1.81608395580864	0.0703935531646826	0.0112835500709295	0.185137308868912
KIRP	KAT5	cg00582417	-0.00770055295371963	276	-0.127237788499103	0.898845865408577	5.92985157930401e-05	0.946557197773384
KIRP	KAT5	cg02561205	-0.0301974600443361	276	-0.499171570469128	0.618060529885084	0.000911886593129274	0.773222174878465
KIRP	KAT5	cg05785768	-0.0936547773930267	276	-1.55426227978246	0.121280350725633	0.00877121732853739	0.272676616408483
KIRP	KAT5	cg07564927	-0.0455526543305327	276	-0.75343548397403	0.451837543808198	0.002075044316557	0.642409465835254
KIRP	KAT5	cg14726348	-0.0235657080983605	276	-0.389477561304623	0.697226554766033	0.000555342598177134	0.826399219851686
KIRP	KAT5	cg18896539	0.0545506874473692	292	0.928744584790902	0.353796519115828	0.00297577750098056	0.5528088376335
KIRP	KAT5	cg20108992	-0.0323295635029289	276	-0.534451432786015	0.593464217389274	0.00104520067628991	0.755477006227704

KIRP	KAT5	cg20423942	-0.0226085059027476	276	-0.3736493302977	0.708955228376624	0.000511144539154571	0.834222331232297
KIRP	KAT5	cg22048492	-0.117347836264631	292	-2.00879221369421	0.0454890636428917	0.0137705146759906	0.134661753378558
KIRP	KAT6A	cg10163397	-0.224422968393147	275	-3.80513809309561	0.000174967157251156	0.0503656687423914	0.00155257157878367
KIRP	KAT6A	cg12468056	-0.0424391650770306	291	-0.722116395067569	0.470806799133073	0.00180108273243545	0.659261720277887
KIRP	KAT6A	cg15251374	-0.0531111181877065	274	-0.877169029599317	0.381168914928233	0.00282079087514852	0.579572241032132
KIRP	KAT6A	cg20966972	0.0605319555065287	291	1.03093370811276	0.303433898445013	0.00366411763744437	0.501952850397248
KIRP	KAT6B	cg04396765	-0.0459873550528595	275	-0.7606405477297	0.447528247600903	0.00211483682475776	0.639089002383888
KIRP	KAT6B	cg06972998	0.0354449724235267	274	0.584941020455184	0.559072282915693	0.00125634607010457	0.729923121207408
KIRP	KAT6B	cg09631472	-0.15727522004835	275	-2.63136089232873	0.00898792562325248	0.0247354948412569	0.0393033550272796
KIRP	KAT6B	cg10359932	-0.075057019543939	275	-1.243653534319	0.214693964334552	0.00563355618281923	0.401565259219132
KIRP	KAT6B	cg10739686	-0.0604899748212578	275	-1.00129197221299	0.317572342982885	0.0036590370538764	0.51683485387357
KIRP	KAT6B	cg11128436	0.0878640907403492	275	1.45738952994772	0.146158188598323	0.00772009844162832	0.310212809969661
KIRP	KAT6B	cg11348552	-0.0267291932123834	275	-0.441796600806419	0.658986147196213	0.000714449769784925	0.801574154126517
KIRP	KAT6B	cg15874302	-0.0473130308912893	275	-0.782616009004106	0.43453095528678	0.00223852289212009	0.628021794961166
KIRP	KAT6B	cg15912797	0.0406626956022538	275	0.672414127184747	0.501888798348094	0.00165345481364155	0.685648358449986
KIRP	KAT6B	cg17147776	-0.0585535913341692	275	-0.96912686854652	0.333339694147847	0.0034285230581289	0.53294881733097
KIRP	KAT6B	cg18462764	0.0526405946582381	275	0.870972950386052	0.384534170429837	0.00277103220597292	0.582673378543411
KIRP	KAT6B	cg18491775	0.173047236825615	275	2.90300571453366	0.00399775778747472	0.0299453461729804	0.0207320558175327
KIRP	KAT6B	cg24671245	-0.174138045257028	275	-2.92187530855688	0.00377033607609474	0.0303240588059388	0.0197968091727669
KIRP	KAT6B	cg26605858	0.105772400604048	275	1.75750584000214	0.0799524326609279	0.0111878007295432	0.202963600797005
KIRP	KDM1A	cg00062312	0.0333624305555343	276	0.551544854189517	0.581711384089501	0.00111305177257285	0.747080519923707
KIRP	KDM1A	cg00541565	0.0219562767644846	276	0.362864704813938	0.716986735227488	0.000482078089358648	0.839197563834908
KIRP	KDM1A	cg04886391	-0.139571078077616	276	-2.32888770099913	0.0205951124005055	0.0194800858357481	0.074492104058254
KIRP	KDM1A	cg06958034	0.00214170022909085	292	0.0364089873964659	0.970981383636586	4.58687987128779e-06	0.98460978011693
KIRP	KDM1A	cg07118078	0.039522351071109	276	0.653527019536183	0.513966628394496	0.00156201623418799	0.695522811928287
KIRP	KDM1A	cg07785945	0.0913800804217057	276	1.51619032568115	0.130628258582901	0.0083503190978774	0.287123941986013
KIRP	KDM1A	cg10499166	0.106285804797789	276	1.7661337547965	0.0784910227947799	0.0112966723015137	0.200171206855507
KIRP	KDM1A	cg12578844	-0.011131183614245	276	-0.183928732127445	0.854205906057821	0.000123903248654036	0.92216741958416
KIRP	KDM1A	cg22683154	-0.229719072331206	276	-3.89987646776619	0.000121225363206963	0.0527708521927099	0.00113635448913393
KIRP	KDM1A	cg26662347	0.149011330394112	276	2.48986941911246	0.0133743159971905	0.0222043765858232	0.0534738931328282
KIRP	KDM1B	cg11007366	-0.0328321497158299	276	-0.542768760022402	0.587731857061717	0.00107795005496267	0.751500009668795
KIRP	KDM1B	cg15124342	-0.195949153111464	276	-3.30161629765624	0.00108935798982962	0.0383960706050999	0.00720747707610182
KIRP	KDM1B	cg20677365	0.0532936390206966	264	0.86221038867128	0.389363252769911	0.00284021196006831	0.586972422408775
KIRP	KDM1B	cg22406543	0.0395396375648501	276	0.653813310104531	0.513782424571504	0.0015633829387597	0.695350366085474
KIRP	KDM1B	cg23073439	-0.209019598610383	276	-3.53157798620428	0.000484782768375414	0.0436891926032455	0.0036501345995932
KIRP	KDM1B	cg23860886	-0.066746037032898	276	-1.10529032407652	0.270006938475541	0.00445503345959699	0.466092392752103
KIRP	KDM1B	cg24342628	0.0103543177299478	292	0.176032838069183	0.860391428468097	0.000107211895652712	0.92582277977304
KIRP	KDM2A	cg05038268	-0.3780500500857	276	-6.74715068248348	8.99900064517367e-11	0.1429218403698	3.62729666420021e-09
KIRP	KDM2A	cg05295919	-0.0507370391160125	276	-0.839394567610788	0.401982368959844	0.00257424713825978	0.59851511820058
KIRP	KDM2A	cg06320126	-0.0994325365411815	276	-1.65107736345964	0.0998726153014389	0.0098868293230134	0.238043145769176
KIRP	KDM2A	cg07283932	-0.0814246461282004	276	-1.34983808500932	0.178186088847219	0.00662997299710267	0.3547771417896291
KIRP	KDM2A	cg08836144	0.0322420562933989	270	0.52711359261188	0.598552390919452	0.0010395501940267	0.759023011706975
KIRP	KDM2A	cg09993857	-0.147559858256464	276	-2.46507383787104	0.0143142241543597	0.0217739117686676	0.0563086950780874
KIRP	KDM2A	cg11637544	0.0950937922646171	276	1.57835993499056	0.115640920529588	0.00904282932726616	0.263902425171721
KIRP	KDM2A	cg16004548	0.0373535812440395	276	0.61761347705383	0.537344985355658	0.00139529003175506	0.713263190246182
KIRP	KDM2A	cg18132081	0.0876691615074531	276	1.45413119468013	0.147058617493016	0.00768588187941989	0.311571384314278
KIRP	KDM2A	cg21293464	-0.367674737422361	276	-6.53256042268455	3.15107164336133e-10	0.135184712538602	1.14069086749023e-08
KIRP	KDM2A	cg21711868	-0.0755687400246878	276	-1.25218099357851	0.211575609160033	0.00571063446891884	0.397652503888356
KIRP	KDM2A	cg25597833	-0.0636998701401037	276	-1.05463644605591	0.292524092589619	0.00405767345586607	0.49022013734616
KIRP	KDM2B	cg03486832	-0.156526144189736	276	-2.61851261397617	0.00932471102229778	0.0245004338149062	0.0403766319307934
KIRP	KDM2B	cg05067991	-0.0570299698301021	276	-0.943825854323254	0.346093168876806	0.00325241745882235	0.545386748797631
KIRP	KDM2B	cg07020001	-0.194489136957866	276	-3.27604508273624	0.00118879494776235	0.0378260243946156	0.00775522969947374
KIRP	KDM2B	cg07529210	-0.0955352831552714	276	-1.58575510881525	0.113952472710304	0.00912699032755789	0.261290967725569
KIRP	KDM2B	cg07793808	-0.179969717007773	276	-3.02294594280355	0.00274120339997808	0.032389099039858	0.015328434250855
KIRP	KDM2B	cg09151742	-0.192626355170861	276	-3.24345252265858	0.00132776375327528	0.0371049127064105	0.00849371379181785
KIRP	KDM2B	cg12251659	-0.0642508967588464	276	-1.06379708241554	0.288360668431325	0.00412817773431594	0.485889710679232
KIRP	KDM2B	cg12888660	-0.0521264988316235	276	-0.862443609870491	0.38920041446185	0.00271717188044324	0.586817635008447

KIRP	KDM2B	cg15234492	-0.131059873974168	276	-2.18430533006461	0.0297906234235326	0.0171766905661249	0.0981744782349325
KIRP	KDM2B	cg15316703	-0.0388181044622397	276	-0.641864123774095	0.521499984203605	0.00150684523404135	0.701469327629716
KIRP	KDM2B	cg16837338	-0.137931591777739	275	-2.29677926002523	0.0223913910048706	0.0190251240103409	0.0792485616359211
KIRP	KDM2B	cg17452615	-0.169009542699401	276	-2.83325395517588	0.00495132548468705	0.0285642255234608	0.0245856523109558
KIRP	KDM2B	cg20055546	-0.0748664664126023	276	-1.24047835423793	0.2158635474078	0.00560498779310931	0.403074475710298
KIRP	KDM2B	cg21249371	-0.100443707003387	276	-1.66803810454146	0.0964547023718235	0.0100889382765822	0.232108299811731
KIRP	KDM2B	cg21781916	-0.0526421714186806	276	-0.870999111411627	0.384519911350448	0.00277119821167376	0.58266312128395
KIRP	KDM2B	cg26218726	-0.0767266846170614	276	-1.2714810038319	0.204639756510397	0.005886984132326	0.388775852914431
KIRP	KDM2B	cg26509318	-0.205200964973403	276	-3.46419492659213	0.000617339357135414	0.0421074360260158	0.00448373615432662
KIRP	KDM3A	cg01744130	-0.130730985956678	276	-2.17872849684133	0.0302071820388113	0.0170905906892051	0.0992037115639684
KIRP	KDM3A	cg02152982	-0.0236220615553801	275	-0.389693759630232	0.697067963766803	0.000558001792126168	0.826289162754841
KIRP	KDM3A	cg02972551	-0.0209429234666237	292	-0.356107803015012	0.722019652159273	0.000438606043328856	0.842477191283743
KIRP	KDM3A	cg03037033	-0.0838809286863531	276	-1.39084202345904	0.165405930055676	0.00703601019728505	0.337464625210423
KIRP	KDM3A	cg04793821	-0.158251662008981	276	-2.64811598895075	0.00856515531837146	0.0250435885286047	0.037865414152264
KIRP	KDM3A	cg07052513	-0.0329670826767072	276	-0.5450018430323	0.586197197032874	0.00108682854021285	0.750364049527354
KIRP	KDM3A	cg07211384	-0.13249029286413	276	-2.20856897950788	0.0280355637799859	0.017553677703223	0.0938911984459177
KIRP	KDM3A	cg12888358	-0.120995229252028	276	-2.01396571041496	0.0449940186195368	0.0146398455017508	0.133562204162561
KIRP	KDM3A	cg18611949	-0.111686965505594	276	-1.85698989653273	0.064389562128859	0.0124739782638477	0.173320009558578
KIRP	KDM3A	cg19139691	-0.228093665992399	276	-3.87076228531282	0.000135799614054853	0.0520267204658522	0.00125152481866421
KIRP	KDM3A	cg20191795	-0.0286057089119746	276	-0.472837377496585	0.636707012262473	0.000818286582356624	0.786234468990727
KIRP	KDM3A	cg20918903	-0.146027089504955	292	-2.50935936921345	0.0126421004609176	0.0213239108692881	0.0512335675795281
KIRP	KDM3A	cg22404242	0.0121308936876966	276	0.200450007871926	0.841277897961619	0.000147158581662198	0.915016032751748
KIRP	KDM3A	cg24749656	-0.0799798889326336	276	-1.32573165328844	0.186036845274168	0.0063967826336764	0.36489640908242
KIRP	KDM3B	cg00435490	-0.0101467510282126	276	-0.167660472435495	0.866974525253108	0.000102956556428534	0.929307432450676
KIRP	KDM3B	cg03315484	-0.187708787010662	276	-3.15758510254306	0.00176926893957919	0.0352345887210141	0.0107605744574797
KIRP	KDM3B	cg05191700	-0.24109690642413	276	-4.10465777032786	5.35245389672725e-05	0.0581277182872855	0.000562839684295755
KIRP	KDM3B	cg05708550	0.0946183268812201	276	1.5703967239095	0.117481110321634	0.00895262778180141	0.266903962863186
KIRP	KDM3B	cg05722427	0.0489022133234084	276	0.808965038587137	0.419239705141752	0.00239142646792814	0.614632059391296
KIRP	KDM3B	cg15001364	-0.0249326348466896	276	-0.412082838776578	0.680602087561858	0.000621636280398361	0.815790833350544
KIRP	KDM3B	cg18682923	0.167313273673474	276	2.80399469368404	0.00540962315431409	0.0279937315473349	0.026417842038086
KIRP	KDM3B	cg19076659	0.0143032507534736	276	0.236352665844112	0.813336256788808	0.000204582982116743	0.899436802715518
KIRP	KDM3B	cg24137987	-0.0100714793961702	276	-0.166416590292106	0.867952304613845	0.000101434697227481	0.929881448020732
KIRP	KDM4A	cg00154982	-0.180092965179156	276	-3.02508550845099	0.00272251777984435	0.0324334761070206	0.0152458643942709
KIRP	KDM4A	cg00979347	0.0927218547309485	276	1.53864487440552	0.125049238114856	0.00859734234474711	0.278486214070396
KIRP	KDM4A	cg03587511	0.156557847949425	276	2.61905630828153	0.00931023315734462	0.0245103597545551	0.0403296552281568
KIRP	KDM4A	cg08552254	-0.0346399546853308	291	-0.588212536414105	0.556850620009401	0.00119992646060177	0.728207993763638
KIRP	KDM4A	cg10958452	-0.282197238874756	276	-4.86019957040589	1.98056180299193e-06	0.0796352816285363	3.13353314830088e-05
KIRP	KDM4A	cg10968649	0.0977767445452693	292	1.67020766729509	0.0959609291695082	0.00956029177387086	0.231220483299657
KIRP	KDM4A	cg12293275	0.249170285831148	276	4.25104816493261	2.92401491422903e-05	0.0620858313411757	0.00033388269437979
KIRP	KDM4A	cg17737314	-0.208248208872838	276	-3.5179526601906	0.000509218012215642	0.0433673164987452	0.00380636232414071
KIRP	KDM4A	cg19743044	0.0571997438772143	276	0.946644764080619	0.344656964344532	0.00327181069961892	0.543895816941972
KIRP	KDM4A	cg20873046	-0.117668522901709	276	-1.95780407822586	0.0512715322556547	0.01384588128187	0.146948295335682
KIRP	KDM4A	cg21451504	-0.3104938613084	276	-5.39694233542882	1.4723790200144e-07	0.0964064379101999	3.07495982504698e-06
KIRP	KDM4A	cg22094309	-0.130334071967852	276	-2.17199914654312	0.0307165192002818	0.0169869703157212	0.100429468606168
KIRP	KDM4A	cg24324755	-0.024180394189776	276	-0.39964253145529	0.689732311978907	0.000584691463172952	0.821678256428483
KIRP	KDM4A	cg24505556	-0.154263356471831	276	-2.579728916837	0.010411055502756	0.0237971831499552	0.0439789149760325
KIRP	KDM4A	cg25841161	0.0690975849952066	276	1.14441473126703	0.253454064503438	0.0047744762521698	0.447477600117568
KIRP	KDM4B	cg01098771	-0.0093352570029027	276	-0.154250480943169	0.877526209323655	8.71470233102439e-05	0.935039158571195
KIRP	KDM4B	cg12072803	-0.063343849655665	292	-1.07901235793305	0.281481942077667	0.00401244328919949	0.478633015424867
KIRP	KDM4B	cg18115693	-0.0318478089013938	276	-0.526479230088859	0.598982752498997	0.0010142829318197	0.759308829486165
KIRP	KDM4C	cg00121158	-0.0118645840410228	292	-0.201712126539121	0.840283689310316	0.000140768354466492	0.914424968625297
KIRP	KDM4C	cg00667760	0.143476411327134	276	2.39540283924875	0.0172760260278166	0.0205854806073128	0.06506759471353
KIRP	KDM4C	cg05545111	0.112195522675056	276	1.86555309106104	0.0631764352445532	0.0125878353083289	0.1709180178548
KIRP	KDM4C	cg14196303	-0.0294404408023425	276	-0.486646857744912	0.626899065051584	0.000866739554636236	0.779413750805135
KIRP	KDM4C	cg14473811	0.183823284937547	276	3.08991339453992	0.00220892692341561	0.0337910000852307	0.0128662220036084
KIRP	KDM4C	cg14497348	-0.048783549966362	276	-0.806997361136867	0.420370505142368	0.00237983474732054	0.615572763803207
KIRP	KDM4E	cg15555590	0.0926157516659908	275	1.53686893692592	0.125483569436809	0.00857767745665648	0.279149808429143

KIRP	KDM4E	cg19409026	0.153927412158139	275	2.57397446477063	0.010581543577331	0.0236936482137016	0.0445373128522542
KIRP	KDM5B	cg00528052	0.0784065682932772	292	1.33702774590653	0.182265038211164	0.00614758995152835	0.359931115971957
KIRP	KDM5B	cg00571448	-0.0190845241414147	276	-0.315385529152087	0.752709902641762	0.00036421906170424	0.861591074056667
KIRP	KDM5B	cg02624558	0.044977179541757	276	0.743897781724497	0.457578092410375	0.00202294667953145	0.647733279732381
KIRP	KDM5B	cg04504182	-0.0946950313320071	276	-1.57168131539373	0.117182705119019	0.0089671489589698	0.266381607212581
KIRP	KDM5B	cg08915090	0.0404177229994236	276	0.668356516511653	0.504470737962753	0.00163359233245813	0.687712872600124
KIRP	KDM5B	cg09889216	-0.0798299217019747	276	-1.32322986616644	0.186866104278476	0.00637281639894341	0.365926563482408
KIRP	KDM5B	cg11171004	-0.0154899753763084	276	-0.255967106613429	0.798169000429542	0.000239939337158639	0.889759539440802
KIRP	KDM5B	cg11221497	-0.152325947727143	276	-2.54655521465825	0.0114286689274391	0.0232031943509724	0.0473369114333509
KIRP	KDM5B	cg13134514	-0.0201963235105983	276	-0.333766106710205	0.738812286312532	0.000407891483344746	0.852924390843752
KIRP	KDM5B	cg13253785	0.112618914058246	276	1.87268337803105	0.0621808527583678	0.0126830198036586	0.16899445428607
KIRP	KDM5B	cg13993945	0.137879594362039	276	2.3001131645853	0.022196223636226	0.0190107825414405	0.0787419864816712
KIRP	KDM5B	cg14560895	-0.164534093724668	292	-2.83572658635651	0.00489500846585294	0.0270714679977978	0.024368227336825
KIRP	KDM5B	cg21105875	-0.138668898313847	272	-2.2965262362332	0.0224145734361802	0.0192290633595759	0.0792993499532538
KIRP	KDM5B	cg24354901	0.0370148854024478	276	0.61200567668672	0.541043362585036	0.00137010174135634	0.716131747863686
KIRP	KDM5B	cg27531483	-0.171369693036096	276	-2.87400780977388	0.00437173985810824	0.0293675716912858	0.0222954720415414
KIRP	KDM5C	cg01859586	0.131487998925295	275	2.19156598712568	0.0292557409372483	0.0172890938613784	0.0969178175902693
KIRP	KDM5C	cg04927657	0.179116667928753	275	3.00814119435369	0.00287376079547087	0.0320827807298993	0.0159084428465709
KIRP	KDM5C	cg04927982	-0.533259588679429	291	-10.7162305318887	8.77730877087623e-23	0.284365788918554	1.48053184984466e-20
KIRP	KDM5C	cg09554224	0.321866816845986	275	5.61702271480659	4.78265624530751e-08	0.103598247786568	1.12371476879327e-06
KIRP	KDM5C	cg12234996	-0.410422507231944	275	-7.4364802662895	1.34201005966052e-12	0.168446634442555	7.47853370925718e-11
KIRP	KDM5C	cg16417926	-0.0390276204496183	275	-0.645333777782643	0.519252893012775	0.00152315515795946	0.699877895153856
KIRP	KDM5C	cg16824069	-0.41372090055431	275	-7.50852687374047	8.51743754617854e-13	0.17116498355547	4.8649452016697e-11
KIRP	KDM5C	cg19903753	-0.46506673591636	275	-8.67996741357988	3.65452956564072e-16	0.216287068855897	3.26782152907419e-14
KIRP	KDM5C	cg24985300	0.0595122631742645	275	0.985049891108928	0.325471764935802	0.00354170946812291	0.524881330073504
KIRP	KDM5C	cg27526317	-0.215874214267249	275	-3.6529598711665	0.000310743879321584	0.046601676385502	0.0025160292826752
KIRP	KDM6A	cg00751785	-0.375416124856786	275	-6.69239870182843	1.24221657593249e-10	0.140937266802486	4.88312260273332e-09
KIRP	KDM6A	cg03267667	0.185391444936658	275	3.11720694526843	0.00202071185555552	0.0343699878557017	0.0119962803793564
KIRP	KDM6A	cg03478540	0.155144139732801	275	2.59482037298685	0.00997555431844354	0.0240697040934307	0.0425412933148228
KIRP	KDM6A	cg06877198	0.155471721198168	275	2.60043481233492	0.00981774695673884	0.0241714560923209	0.0419937918697326
KIRP	KDM6A	cg07167981	-0.0810441839039734	275	-1.34348907510239	0.180229314473189	0.00656815974466106	0.357371582344639
KIRP	KDM6A	cg11895950	-0.240241065897681	275	-4.08919299447243	5.69988844391674e-05	0.0577157697436541	0.000594392924404905
KIRP	KDM6A	cg14384228	-0.0696782876295123	275	-1.15407922704355	0.249476984110468	0.00485506376698104	0.443033270182853
KIRP	KDM6A	cg15923127	0.0640565039545225	275	1.06056525485613	0.289824894303782	0.00410323569887576	0.487292516064129
KIRP	KDM6A	cg17824914	-0.222891060740102	275	-3.77780151987839	0.000194250084023121	0.0496804249578479	0.00169373358400523
KIRP	KDM6A	cg20211377	-0.0313802646253181	275	-0.518742534892717	0.604360517881544	0.000984721007954988	0.763215839227246
KIRP	KDM6A	cg22133177	0.289544701212777	275	4.99816242900565	1.03576998176409e-06	0.0838361340003962	1.76239479355545e-05
KIRP	KDM6A	cg27306636	-0.166277237381682	275	-2.78613653088974	0.00570793506303324	0.0276481196712841	0.0275717541318602
KIRP	KDM6B	cg01046511	-0.0869903650290426	276	-1.4427860984411	0.150227093380924	0.00756732360788607	0.315918322452238
KIRP	KDM6B	cg02308232	-0.266836164692581	276	-4.57472792018917	7.24260336694333e-06	0.0712015387878464	9.82957233649668e-05
KIRP	KDM6B	cg24893073	-0.0540194299980672	276	-0.893852592831282	0.372188077066479	0.00291809881731608	0.570825843647056
KIRP	KDM8	cg00636124	0.00485354325606826	275	0.0801946402347089	0.936141208561409	2.35568821385257e-05	0.965919364994858
KIRP	KDM8	cg01755539	-0.0488838635227789	275	-0.808660759693589	0.419414452805609	0.00238963211291367	0.614762933669208
KIRP	KDM8	cg06329197	-0.0572666195657353	275	-0.947755183323811	0.344092268685126	0.00327946571648666	0.543364606002166
KIRP	KDM8	cg08572679	0.0830510743523801	275	1.37698603772261	0.169644629464686	0.00689748095108457	0.343230366936505
KIRP	KDM8	cg09140090	-0.0431173294535095	275	-0.713078353132466	0.476406351622116	0.00185910409920247	0.66416889083567
KIRP	KDM8	cg10214171	0.0438114384532866	275	0.724579492397055	0.469330572468617	0.00191944213934612	0.658201628862353
KIRP	KDM8	cg10221365	0.00109277405658154	275	0.0180556014071983	0.985607685764457	1.19415513873767e-06	0.99247853906305
KIRP	KDM8	cg16752029	-0.0608730400142167	275	-1.00765636857797	0.314511735022908	0.00370552700057243	0.513551327883889
KIRP	KDM8	cg24206694	0.0160812000605562	291	0.273415756655632	0.784728933377866	0.000258604995387631	0.881077296508692
KIRP	KDM8	cg24705286	0.0771999263993389	291	1.3163271528194	0.189107285250875	0.00595982863606334	0.368882729841443
KIRP	KIAA202f	cg03495688	0.235517844870229	276	4.00402660719891	8.03194596929845e-05	0.0554686552523172	0.000797291316493051
KIRP	KIAA202f	cg25608569	-0.0714371264607201	276	-1.18335839779887	0.237696571654453	0.00510326303696492	0.429209690905573
KIRP	KMT2B	cg09284703	-0.123575314565492	275	-2.05757016018691	0.0405809983112947	0.0152708583699603	0.123647116662575
KIRP	KMT2B	cg13830730	0.142730155821386	275	2.3826839853229	0.0178715708714941	0.0203718973807972	0.0667709948662968
KIRP	KMT2B	cg15496871	0.0798681895212679	275	1.32386824994737	0.186654240907047	0.00637892769740516	0.365665575853005
KIRP	KMT2B	cg24471867	0.0824326152152222	291	1.40614005872042	0.160756809740172	0.00679513605122088	0.330748069528099

KIRP	L3MBTL1	cg01071811	-0.197386992783697	291	-3.42292266452095	0.000709061144097291	0.0389616249201913	0.00503934794846562
KIRP	L3MBTL1	cg01877937	-0.206296642807176	275	-3.48351203897088	0.00057622744300797	0.0425583048335116	0.00422816805332598
KIRP	L3MBTL1	cg02177317	-0.149630347272018	275	-2.50044911599022	0.012990259830019	0.0223892408247446	0.0523039321575744
KIRP	L3MBTL1	cg02472486	-0.102628810371047	275	-1.70470756810854	0.089386637054428	0.0105326727181763	0.219797833012364
KIRP	L3MBTL1	cg02611863	-0.235110040845743	291	-4.11213905477907	5.11446829194891e-05	0.055276731306487	0.000540664419491607
KIRP	L3MBTL1	cg03486259	-0.118627086958812	275	-1.9739796631582	0.0493920756722337	0.0140723857603336	0.143037156492043
KIRP	L3MBTL1	cg04984575	-0.120852778999811	275	-2.01155946089069	0.0452489587848728	0.0146053941919771	0.134158442063484
KIRP	L3MBTL1	cg06362543	-0.108170281149818	275	-1.79781525924274	0.0733111516414844	0.0117008097240307	0.190715881848503
KIRP	L3MBTL1	cg06446163	-0.224761979975043	275	-3.81119168960498	0.00017094903985678	0.0505179476423015	0.00152212539849128
KIRP	L3MBTL1	cg06908806	-0.0756325893332747	275	-1.25324506674837	0.211188816783769	0.00572028856925577	0.397090511260127
KIRP	L3MBTL1	cg07678583	-0.0885368037596771	275	-1.46863554783046	0.143082961144669	0.00783876561997957	0.305830492607293
KIRP	L3MBTL1	cg08369943	0.0266358771813954	275	0.440253118885857	0.660102158205282	0.000709469953222382	0.802295793188559
KIRP	L3MBTL1	cg08633313	-0.248832781767901	275	-4.2449097349648	3.00009773798356e-05	0.0619177532823519	0.000341013447441106
KIRP	L3MBTL1	cg09541000	-0.161569505218002	275	-2.70510785002697	0.00725765007822316	0.02610470501639	0.0333317916363087
KIRP	L3MBTL1	cg10360552	-0.228790797051498	275	-3.88324505654214	0.000129358446122123	0.0523452288154599	0.00120015634557239
KIRP	L3MBTL1	cg12699433	-0.119259186849383	275	-1.98464928750464	0.048184442495997	0.014222753647976	0.140415649036024
KIRP	L3MBTL1	cg14306330	-0.0533488210519603	275	-0.882724241014557	0.378161892005125	0.00284609670763408	0.576781221971311
KIRP	L3MBTL1	cg15123011	-0.140311217821196	275	-2.34148505057816	0.0199266364752248	0.019687237846467	0.0726042226571887
KIRP	L3MBTL1	cg15302378	-0.261279457908743	275	-4.47240207840962	1.13568976044683e-05	0.0682669551250864	0.000146395773362387
KIRP	L3MBTL1	cg15330298	-0.289341028615142	275	-4.99432524816537	1.05481194294246e-06	0.0837182308400685	1.7904874599447e-05
KIRP	L3MBTL1	cg15388309	-0.326955788699863	275	-5.71636999623564	2.84777726096811e-08	0.10690008776435	7.08021681814488e-07
KIRP	L3MBTL1	cg16862791	-0.281238271313441	275	-4.84226239644308	2.15250968887643e-06	0.0790949652513726	3.36722981573402e-05
KIRP	L3MBTL1	cg17091610	-0.335540189983883	275	-5.88522444165762	1.1619969301451e-08	0.11258721909442	3.1354973702292e-07
KIRP	L3MBTL1	cg17774347	-0.103983836374561	275	-1.72745952402832	0.0852161413949687	0.0108126382271714	0.212416434479804
KIRP	L3MBTL1	cg18911945	-0.213136420408127	275	-3.60441217861855	0.000371770235090828	0.04542713370439	0.00292372560338211
KIRP	L3MBTL1	cg20091959	-0.167225291255924	291	-2.88343240029137	0.00422918196590659	0.0279642980356287	0.0217036072205117
KIRP	L3MBTL1	cg20252111	-0.189600044279461	275	-3.19057948048241	0.00158562870243725	0.0359481767907735	0.00984529496521434
KIRP	L3MBTL1	cg20529070	-0.24259981422582	275	-4.13183948584942	4.79013784755771e-05	0.0588546698624024	0.000510961173334574
KIRP	L3MBTL1	cg22330467	-0.0906038108726336	275	-1.50320329116999	0.133942520325053	0.00820905054464395	0.29210699879978
KIRP	L3MBTL1	cg22457903	-0.345969136249531	275	-6.0925907744795	3.76656542133553e-09	0.119694643237246	1.11540232351494e-07
KIRP	L3MBTL1	cg22601123	-0.0910976436090177	275	-1.5114648201721	0.131826715181789	0.0082987806711156	0.288862674748756
KIRP	L3MBTL1	cg23626798	-0.125917929248455	291	-2.15777929190217	0.0317688011846244	0.0158553249062189	0.10297163115523
KIRP	L3MBTL1	cg24343973	-0.0176481292287089	275	-0.291640370440539	0.770783085189828	0.000311456465273208	0.873016201088617
KIRP	L3MBTL1	cg202358112	-0.071720397097389	276	-1.18807499881737	0.235836425219969	0.00514381535980717	0.427113000727354
KIRP	L3MBTL1	cg06235991	-3.65326486570806e-05	292	-0.0006210550275848	0.999504898287169	1.3346344179017e-09	0.999761926316662
KIRP	L3MBTL1	cg08053598	0.0719752500744238	276	1.19231867816845	0.234171661574763	0.00518043662327585	0.42511785308847
KIRP	L3MBTL1	cg09993119	-0.184296090104975	276	-3.09813990347829	0.00215056231876879	0.0339650488279812	0.0125932137769138
KIRP	L3MBTL1	cg12821546	0.0808462372471342	276	1.34018605002732	0.181299184234044	0.0065361140770199	0.358564989845378
KIRP	L3MBTL1	cg13843727	0.0955869936481292	276	1.58662134485944	0.113755979390985	0.0091368733546875	0.26095951610803
KIRP	L3MBTL1	cg14679202	-0.230089006405696	292	-4.0193540290866	7.45085168449906e-05	0.0529409508687604	0.000748394520263293
KIRP	L3MBTL1	cg15283028	-0.0856179569342721	276	-1.41985446103756	0.156790966114507	0.00733043454959887	0.325376701734253
KIRP	L3MBTL1	cg19467356	0.0157327168840401	276	0.259979321239488	0.795075687292674	0.000247518380553361	0.887786967378301
KIRP	L3MBTL1	cg24240981	0.0593052756720667	276	0.981611710265093	0.327160284290615	0.00351711572253982	0.526707421120919
KIRP	L3MBTL1	cg26947834	0.090851282984469	276	1.50734321278118	0.132878994361683	0.00825395561992407	0.290525771530196
KIRP	L3MBTL1	cg27177954	-0.128681614953877	276	-2.14399447470663	0.0329165820437527	0.0165589580271379	0.105753389919538
KIRP	L3MBTL1	cg03454037	0.044479551412653	276	0.735650879307612	0.462574748209863	0.00197843049387084	0.65199463631689
KIRP	L3MBTL1	cg07826275	-0.0616145335192462	276	-1.01997710672904	0.308642344054983	0.00379635074079432	0.507235983467411
KIRP	L3MBTL1	cg08106148	-0.0572514979780714	276	-0.947504099900831	0.344219903354257	0.00327773402073311	0.543466871543058
KIRP	L3MBTL1	cg08358392	-0.209857491515264	276	-3.54638579245625	0.000459475962541454	0.0440401667450792	0.00349237645627258
KIRP	L3MBTL1	cg09710740	-0.0459213098415631	276	-0.759545835859055	0.448181469404514	0.00210876669756484	0.639610890111257
KIRP	L3MBTL1	cg10237990	-0.0754109025960818	276	-1.24955063885913	0.21253395651273	0.00568680423035574	0.39879080108421
KIRP	L3MBTL1	cg16487825	-0.0630842707567747	276	-1.0444034537176	0.297222666862196	0.00397962521691406	0.495290466666903
KIRP	L3MBTL1	cg16800851	-0.17449189828409	276	-2.92799889334093	0.00369911363678339	0.0304474225667851	0.0194727869982357
KIRP	L3MBTL1	cg18411550	-0.0503182803487666	276	-0.832448955397696	0.405883193894573	0.00253192933725707	0.602226967455622
KIRP	L3MBTL1	cg18798995	-0.043635069915278	276	-0.721657029486762	0.471122985432685	0.0019040193265112	0.659499858476763
KIRP	L3MBTL1	cg22934935	-0.0288225820174383	276	-0.476425145571201	0.634152607069751	0.000830741234151958	0.784539555148944
KIRP	L3MBTL1	cg24516147	-0.0560905981314416	276	-0.928230107030459	0.354108171825617	0.00314615519874288	0.55311498890855

KIRP	LBR	cg01017344	0.00157078777825738	276	0.0259537055294739	0.979313224714611	2.46737424432274e-06	0.9893473541127
KIRP	LBR	cg05530459	-0.0497153153071443	276	-0.822448835252529	0.411539262368289	0.00247161257608878	0.607284204831013
KIRP	LBR	cg12994003	-0.1249708454767	292	-2.14129120896224	0.0330867987490459	0.0156177122191612	0.106195000490275
KIRP	LBR	cg14607642	0.0377502961278977	292	0.64221280119083	0.521244121400135	0.00142508485774397	0.701332632503747
KIRP	LBR	cg18107727	-0.0211644707507994	276	-0.349772793749597	0.726778894284289	0.000447934822161442	0.845329784432031
KIRP	LBR	cg18289048	0.11052199049733	276	1.83737935497687	0.0672406933673475	0.0122151103834919	0.178995738256276
KIRP	LBR	cg18764107	0.106030779477592	276	1.76184779802392	0.0792142294316759	0.0112425261966257	0.201543425052584
KIRP	LBR	cg19322477	-0.0456562891983867	276	-0.755153168805355	0.450808072578609	0.00208449674336672	0.641546934934242
KIRP	LBR	cg20483690	-0.137939698422965	276	-2.30113526671414	0.0221375376939775	0.0190273604010186	0.0786094788241689
KIRP	LBR	cg26930584	-0.0647407553622925	276	-1.07194164075057	0.284692933940009	0.00419136540488021	0.481968186432126
KIRP	MBD1	cg01719254	-0.0734198816738853	276	-1.21637839481541	0.224891439506779	0.00539047902500732	0.414159117737542
KIRP	MBD1	cg03841029	-0.111014502691252	292	-1.89898457504166	0.0585622757996758	0.012324219807786	0.161797695108525
KIRP	MBD1	cg05549078	-0.0530416741307744	276	-0.877627723568314	0.380917469216291	0.00281341919459526	0.579303141559873
KIRP	MBD1	cg12090413	-0.0341581414059057	276	-0.564714665326239	0.572731569055442	0.00116677862430585	0.740289763119314
KIRP	MBD1	cg13478031	-0.116822922299101	276	-1.94353933848019	0.0529785762870255	0.0136475951745017	0.150482334914019
KIRP	MBD1	cg14389183	-0.10831993394943	276	-1.80033203304972	0.0729120090294512	0.011733208090809	0.189963388942601
KIRP	MBD1	cg19328682	-0.263470181606892	276	-4.51268613779765	9.52269106444118e-06	0.0694165365959688	0.000125454399435586
KIRP	MBD1	cg21282183	-0.0988039601829294	276	-1.64053662406058	0.102045262510413	0.0097622225478299	0.24170307028098
KIRP	MBD2	cg15090185	-0.0316884125765651	276	-0.523841578648495	0.600813729353476	0.00100415549162261	0.760800553584031
KIRP	MBD2	cg16852837	-0.149012227594157	276	-2.48988475110383	0.0133737522024938	0.0222046439725729	0.0534738931328282
KIRP	MBD2	cg17987217	-0.122343009311277	276	-2.03673849218459	0.0426410004963422	0.0149678119273393	0.128305639073739
KIRP	MBD2	cg22224310	-0.190972143792393	276	-3.21453980098798	0.00146350856565067	0.0364703597046625	0.00921162114523911
KIRP	MBD2	cg22836370	-0.0776467079069958	292	-1.32399124739976	0.186552182442085	0.00602901124879432	0.365548486962533
KIRP	MBD2	cg23388714	-0.11377487755425	276	-1.8921561032097	0.0595282344860848	0.0129447227624847	0.163741583820468
KIRP	MBD2	cg24881765	-0.0544139469228974	276	-0.900399929468707	0.368701036928944	0.0029608776197279	0.567505981969911
KIRP	MBD2	cg25192916	0.124597004407529	276	2.07484877714794	0.03893729482241	0.0155244135073299	0.12009229328052
KIRP	MBD3	cg08660999	0.0837883952702727	276	1.38929685946228	0.165874604512527	0.00702049518196745	0.338094400488577
KIRP	MBD3	cg09174855	0.044499990952856	276	0.735989601106969	0.462368921675371	0.00198024919480427	0.651822624591157
KIRP	MBD3	cg12286540	0.0543811794114555	276	0.89985610928916	0.368989888958622	0.00295731267418091	0.567743208215543
KIRP	MBD5	cg03890220	0.228380418430065	276	3.87589608910563	0.000133114603110457	0.0521576155222914	0.00123001751210059
KIRP	MBD5	cg04152151	0.244672858006479	276	4.16938465234269	4.10535944700976e-05	0.0598648074450586	0.000448116083654661
KIRP	MBD5	cg05218490	0.225166216982742	292	3.92871361827417	0.000106894542052382	0.050699825270319	0.00102008758641106
KIRP	MBD5	cg06394585	0.258596124082677	276	4.42316065429349	1.40617688990323e-05	0.0668719553905833	0.000176268328993123
KIRP	MBD5	cg06758980	0.279784761987634	276	4.81510498822025	2.44056940751931e-06	0.078279513040477	3.76429328272633e-05
KIRP	MBD5	cg20595490	0.22327043136797	276	3.78456855633685	0.000189297868997106	0.0498496855232394	0.00165668111382167
KIRP	MBD5	cg21412502	-0.119256982526407	276	-1.98461207506075	0.0481886106195928	0.0142222278813038	0.140419701634663
KIRP	MBD5	cg23120335	-0.186781468208761	276	-3.14142066938833	0.00186623908852857	0.0348873168662205	0.0112326656598059
KIRP	MBD5	cg25686162	0.151123056696754	276	2.52597360172485	0.012103784170679	0.0228381782653704	0.0494928665321314
KIRP	MBD5	cg26664634	-0.27535847017329	276	-4.73262417840199	3.562049721635e-06	0.0758222870961748	5.27118310909023e-05
KIRP	MBTD1	cg01388767	-0.0693575521508105	276	-1.14874115767394	0.251668222216829	0.0048104700403524	0.445438643132339
KIRP	MBTD1	cg14577476	0.019804422747527	276	0.327286956038487	0.743701677309105	0.000392215160362766	0.856043754722465
KIRP	MBTD1	cg17045523	-0.141371634791034	276	-2.35954057655095	0.0190017526632157	0.0199859391234896	0.0699319872590692
KIRP	MBTD1	cg18711617	0.0460703284111267	276	0.762015861007697	0.446708360916388	0.00212247515990907	0.638457288795324
KIRP	MBTD1	cg22141797	-0.180781515625587	276	-3.03704133047367	0.00262023975740905	0.0326819563918844	0.0147752197512235
KIRP	MBTD1	cg25259117	-0.0638267714604787	276	-1.0567460526321	0.291561716820417	0.00407385675506817	0.489168223738948
KIRP	MBTD1	cg25716740	-0.180027055469443	292	-3.11129331423816	0.00204896664106248	0.0324097407009979	0.0121270017403237
KIRP	MBTD1	cg25855326	-0.0988374713548296	276	-1.64109853033509	0.101928496215902	0.00976884574381677	0.24153722119528
KIRP	MBTD1	cg27207041	-0.0798217529828203	292	-1.36131354377707	0.174475046693795	0.00637151224925038	0.349841741053764
KIRP	MBTD1	cg27214721	-0.00580730535196056	276	-0.0959540497756574	0.923627465125731	3.37247954509097e-05	0.959803374973999
KIRP	MBTD1	cg27353579	-0.220786509402947	276	-3.74029420847176	0.000223993508555294	0.0487466827343375	0.00190837268695111
KIRP	MLLT10	cg00879184	-0.115007196707782	276	-1.91292364966964	0.056803940962415	0.0132266552945825	0.158217178060512
KIRP	MLLT10	cg03524461	-0.0750768829240073	276	-1.24398452499721	0.214572308222247	0.00563653834958511	0.401380377188752
KIRP	MLLT10	cg04188362	-0.195940224721509	276	-3.30145985364437	0.00108994209758113	0.0383925716639154	0.00720997751259826
KIRP	MLLT10	cg05913198	-0.138168709311656	276	-2.30502995858334	0.021915158419441	0.0190905922328488	0.0780367022512013
KIRP	MLLT10	cg06398735	-0.181003746735488	276	-3.04090108169906	0.00258798273077749	0.0327623563322847	0.0146315064359087
KIRP	MLLT10	cg11443787	-0.0871278845347915	292	-1.48682824421651	0.138150335816597	0.00759126826350796	0.298473319434252
KIRP	MLLT10	cg15910013	-0.0168129747770582	276	-0.277835205547712	0.78134915726042	0.000282676120853994	0.879202144201932

KIRP	MLLT10	cg19119538	0.00259747646515148	276	0.0429174994101503	0.965798671726545	6.74688398701583e-06	0.982019656096601
KIRP	MLLT10	cg20569108	-0.07395009409513	276	-1.22521077718179	0.221551829405305	0.00546861641667858	0.409995789922363
KIRP	MLLT10	cg23344688	-0.271051925482299	276	-4.65268742872542	5.11378856024726e-06	0.0734691463076617	7.26217720437888e-05
KIRP	MLLT10	cg26877631	-0.0399451078112588	276	-0.660528681873591	0.509471577424719	0.00159561163805309	0.691940633389354
KIRP	MLLT10	cg27470303	-0.183388707699212	276	-3.08235398512266	0.0022638420723862	0.033631418111587	0.0131388637853784
KIRP	MLLT10	cg27572529	-0.245408135345752	276	-4.18271593219259	3.88550403138804e-05	0.060225152893879	0.000426812906831123
KIRP	MLLT6	cg05652455	0.0867893122653603	276	1.43942618323968	0.151175431855243	0.00753238472349422	0.317389257455248
KIRP	MORF4L	cg03589001	0.0836848089768682	292	1.42764955563871	0.154472403780374	0.00700314725349491	0.322034145666481
KIRP	MORF4L	cg07757959	0.124864078506444	276	2.07936658447282	0.0385170162684346	0.0155910381012633	0.119060387157253
KIRP	MORF4L	cg08692282	0.0799498862918412	276	1.32523113523233	0.18620253107687	0.00639198431807834	0.365111652532994
KIRP	MORF4L	cg13747872	0.0413579671202764	276	0.683930940753702	0.494598891191117	0.00171048144432186	0.679694503370873
KIRP	MORF4L	cg15822222	0.0702016637900185	276	1.16279066178183	0.245929861573148	0.00492827359888679	0.438931739189341
KIRP	MORF4L	cg20775702	-0.062543821265274	276	-1.03542065087487	0.301388798854677	0.00391172957846255	0.499770648806342
KIRP	MORF4L	cg20905746	0.167883409433332	276	2.81382619895602	0.00525150158322259	0.0281848391629599	0.0257832321972369
KIRP	MORF4L	cg23623458	-0.177794720499781	268	-2.94114790888161	0.00355896471074997	0.0316109626375951	0.0189012903268763
KIRP	MORF4L	cg24795825	0.0956849685834526	273	1.57951179733344	0.115389496044281	0.00915561321281631	0.263506442061551
KIRP	MPHOSF	cg00331616	-0.194176287322077	276	-3.27056867977415	0.00121115884430682	0.037704430558186	0.00787931854273332
KIRP	MPHOSF	cg03134886	0.0494227398846733	276	0.817596824119306	0.414300421286911	0.00244260721770807	0.609863892173666
KIRP	MPHOSF	cg03428000	0.0583775234429763	292	0.994113281044962	0.320999328441848	0.00340793524333525	0.520463146244375
KIRP	MPHOSF	cg04203901	0.053931528062161	276	0.892393844362974	0.372967781727668	0.00290860971911966	0.57154842138722
KIRP	MPHOSF	cg06019692	-0.214992054197264	276	-3.63730724464184	0.000329306514595362	0.0462215833679593	0.0026410382470548
KIRP	MPHOSF	cg09559995	-0.200093366019484	276	-3.37432451219291	0.000847282979843354	0.0400373551250072	0.00584702671284785
KIRP	MPHOSF	cg11051893	0.199573488400526	276	3.36519325825671	0.000874659194052467	0.0398295772723551	0.00600293227544046
KIRP	MPHOSF	cg19693579	0.197289291789803	276	3.32510803141804	0.00100487824754807	0.0389230646549219	0.00674200072356659
KIRP	MPHOSF	cg20759595	-0.230967203308191	276	-3.92225628337631	0.000111043724514373	0.053345849004007	0.00105502387699941
KIRP	MPHOSF	cg20952532	-0.232498469976547	276	-3.94974086556152	9.96478156452953e-05	0.0540555385414355	0.000961071431974969
KIRP	MPHOSF	cg21958444	-0.159699238184683	276	-2.67297011619055	0.00797091463278208	0.025503846676768	0.0358308670421264
KIRP	MPHOSF	cg22656705	-0.158096743074154	276	-2.64545715233495	0.00863102761753122	0.0249945801706551	0.0380852049051743
KIRP	MSH6	cg00620552	0.0467614337323787	276	0.773471797276354	0.439912438734717	0.00218663168470765	0.632522842738197
KIRP	MSH6	cg02905881	0.231816648415916	292	4.05124085654293	6.5521644958798e-05	0.0537389584827882	0.000672009340530617
KIRP	MSH6	cg05039065	0.354362405254998	276	6.26133750030524	1.4754314623714e-09	0.125572714258107	4.72770756071217e-08
KIRP	MSH6	cg07652213	0.022974972040556	292	0.390677647768927	0.696323351462594	0.000527849340264331	0.825905573382327
KIRP	MSH6	cg09898070	-0.0556498137318853	276	-0.920912919388743	0.357908954451848	0.00309690176839353	0.55689444813013
KIRP	MSH6	cg11869233	-0.0580154248833749	276	-0.960189395818774	0.337809534336964	0.00336578952439852	0.537238427390011
KIRP	MSH6	cg16595246	-0.054331169947112	276	-0.899026141723069	0.369431001930764	0.00295187602782197	0.568131802558056
KIRP	MSH6	cg18222961	0.0406206448941655	276	0.671717610470939	0.502331505489243	0.00165003679161789	0.685982711710819
KIRP	MSH6	cg19076255	-0.0621500876317841	276	-1.02887698632065	0.304448184215662	0.00386263339263845	0.503042395031503
KIRP	MSH6	cg19736286	0.0378643326884255	276	0.626070412482428	0.531791846519223	0.00143370768993977	0.709353661770484
KIRP	MSH6	cg21405109	-0.0229028385480452	276	-0.378516283599295	0.705341281897768	0.000524540013557825	0.831887806002955
KIRP	MTA1	cg01318265	-0.221004845547688	276	-3.74418283029789	0.00022072083643353	0.0488431417555573	0.00188544600302075
KIRP	MTA1	cg01655777	0.0780043111609511	276	1.29278181830483	0.197179550371418	0.00608467255969448	0.379406033677815
KIRP	MTA1	cg05922925	-0.0581189081542445	276	-0.961907904424892	0.336947074631051	0.00337780748504151	0.536535886272602
KIRP	MTA1	cg13052453	-0.0697670039817195	276	-1.15555581574884	0.24887322953758	0.00486743484458526	0.442301053586606
KIRP	MTA1	cg13981078	-0.21984752397992	276	-3.72357736976204	0.000238591171394342	0.0483329338001015	0.00201246466306532
KIRP	MTA1	cg16531924	-0.113245836070469	276	-1.88324320026675	0.0607304186308911	0.0128246193872995	0.166108648722718
KIRP	MTA1	cg20222911	0.0361645156715619	292	0.615199199005203	0.538907293957979	0.00130787219375865	0.714459244809336
KIRP	MTA1	cg21517792	-0.239005218503455	276	-4.06687945653557	6.23924562521159e-05	0.0571234944718842	0.000644009631562071
KIRP	MTA1	cg23123838	0.0519024669412606	276	0.858726922447847	0.391244537450932	0.00269386607458865	0.588426109319754
KIRP	MTA1	cg23883989	0.0356685033283393	276	0.589715645125124	0.555869044929409	0.00127224212968375	0.727266674760149
KIRP	MTA1	cg23966123	0.0592929513292025	276	0.981406999890847	0.327260999351771	0.00351565407732717	0.526740367524708
KIRP	MTA2	cg00501779	-0.0322231938705709	276	-0.53269116806486	0.594680696688625	0.0010383342232204	0.756189075721819
KIRP	MTA2	cg07654871	0.0106334975640517	276	0.175704147821653	0.860656632057767	0.000113071270444694	0.925954555986915
KIRP	MTA2	cg09086761	0.0248850143478516	292	0.423176293114232	0.672481374231034	0.000619263939092779	0.810430512282192
KIRP	MTA2	cg13708959	-0.00437977663387994	276	-0.072366480463632	0.942363248532629	1.91824433626807e-05	0.969328008280869
KIRP	MTA2	cg19570317	0.0636977221060217	292	1.08506478402229	0.27879726509081	0.00405739980149597	0.475714038438201
KIRP	MTA2	cg21002970	0.0901349136507696	276	1.49535995343327	0.13597557550566	0.00812430265883168	0.295172138317585
KIRP	MTF2	cg05396182	-0.00526093420946792	276	-0.0869261018636456	0.93079397461945	2.76774287563498e-05	0.963372900695398

KIRP	MTF2	cg05962718	-0.0644385667073222	276	-1.06691725622505	0.286951794576749	0.00415232887929401	0.484341289495329
KIRP	MTF2	cg09936581	0.0143545787972964	276	0.237201005567071	0.812678758201245	0.00020605393244779	0.899067553797802
KIRP	MTF2	cg11404133	0.0900132741356356	276	1.49332542889538	0.136506834142443	0.00810238952061708	0.296005383639726
KIRP	MTF2	cg14474880	-0.0316695547140668	292	-0.538652621608065	0.590541222939219	0.00100296069578727	0.753449822082405
KIRP	MTF2	cg15463775	0.00230203926342419	276	0.038036031721711	0.969686752461848	5.29938477034661e-06	0.984061878304425
KIRP	MTF2	cg16813892	-0.0234018916172531	276	-0.386768628205358	0.699228807051187	0.000547648531265663	0.827476243451025
KIRP	MTF2	cg19708337	-0.221585621425153	276	-3.75452947830405	0.000212231510679326	0.0491001876223711	0.0018229367496729
KIRP	MTF2	cg22801127	0.102303331316451	276	1.69924395153226	0.0904123605161375	0.0104659715984436	0.221507863004831
KIRP	MTF2	cg23992808	0.0360124094639815	276	0.595408873352027	0.552063441475965	0.00129689363540147	0.724346416255101
KIRP	MTF2	cg26054395	-0.152068038201949	292	-2.61557572249978	0.0093755378761746	0.0231246882425895	0.0405222842124078
KIRP	NAP1L2	cg02379437	-0.0419885621593081	276	-0.691829099974621	0.489636949042119	0.00176303935220608	0.675596687071577
KIRP	NAP1L2	cg04297329	0.137021122508312	291	2.3515384977677	0.0193673105675423	0.0187747880134377	0.071008603934932
KIRP	NAP1L2	cg07693661	-0.0470890485479282	274	-0.777474940361076	0.437554293791993	0.00221737849314914	0.63043540331625
KIRP	NAP1L2	cg20001978	0.0611740505058445	274	1.01080140300596	0.313009813245631	0.00374226445529162	0.512012393532753
KIRP	NAP1L2	cg23483095	0.104821296810049	275	1.74152599944067	0.0827178197268975	0.0109875042649404	0.207847224413251
KIRP	NCOA1	cg11380327	-0.0372187855000371	276	-0.615381633194968	0.538815368171007	0.00138523799409777	0.714452350996731
KIRP	NCOA1	cg13911252	-0.0803846721383416	276	-1.33248479071448	0.183812066013898	0.00646169551478867	0.362112888740792
KIRP	NCOA1	cg15477048	0.14407889555498	276	2.4056743607506	0.0168079199283715	0.0207587281443428	0.0636806761266124
KIRP	NCOA1	cg23006163	0.0512239438959186	276	0.847471020841562	0.397474984990866	0.00262389242825222	0.594073472761084
KIRP	NCOA3	cg04175879	-0.300873081748493	276	-5.2127774313582	3.6762716572246e-07	0.0905246113208356	6.97881594197488e-06
KIRP	NCOA3	cg09568061	-0.131059127164331	276	-2.18429266585422	0.0297915637156085	0.0171764948130763	0.0981744782349325
KIRP	NCOA3	cg12128876	-0.0782720957940904	292	-1.33472050656727	0.18301839320125	0.00612652097999927	0.361033900007558
KIRP	NCOA3	cg14341558	-0.013018427885145	276	-0.215117959787331	0.82983596639826	0.00016947946460072	0.908616013877552
KIRP	NCOA3	cg14774045	-0.0193126981820195	276	-0.319157668401931	0.74985102544071	0.000372980311069781	0.85988753774576
KIRP	NCOA3	cg18295930	0.0412240976991482	276	0.681713386096127	0.495998118919529	0.00169942623110892	0.680859642561156
KIRP	NCOA3	cg21735648	0.211956726303945	276	3.58352085909173	0.000401356139314873	0.0449256538254854	0.0031129710370749
KIRP	NCOA3	cg22511723	-0.0523513888719235	276	-0.866174665313681	0.387154975216513	0.00274066791681936	0.585106054239795
KIRP	NCOA3	cg22876277	-0.0239889678654357	276	-0.396476895437938	0.692062976969161	0.000575470579248904	0.823173743540676
KIRP	NCOA3	cg24856420	0.112172800904741	276	1.86517046539623	0.0632302325977816	0.012582737628146	0.171039768931876
KIRP	NCOA3	cg25373408	0.046501061953269	276	0.769155679144008	0.442465828485293	0.00216234876278176	0.63484298526715
KIRP	NCOR1	cg00253204	0.118557353397961	276	1.97280273445341	0.0495268356465347	0.0140558460447289	0.143288729677062
KIRP	NCOR1	cg08125503	-0.233592278677543	276	-3.96939254591886	9.21900707185776e-05	0.0545653526577668	0.000898163351469133
KIRP	NCOR1	cg08206308	-0.14663082341341	276	-2.449211639563	0.0149458028164832	0.0215005983748946	0.0582191069203091
KIRP	NCOR1	cg21211144	0.113553069077507	276	1.88841903860016	0.0600298558984478	0.0128942994969212	0.164731123135343
KIRP	NCOR1	cg22291359	-0.19765514031931	276	-3.3315244747441	0.000982887496494598	0.0390675544946462	0.00662129805180991
KIRP	NCOR1	cg22625220	-0.159856256926162	276	-2.67566710652948	0.0079087177270354	0.0255540228784431	0.0356150962001153
KIRP	NCOR2	cg08976554	0.102312411208503	276	1.69939636260513	0.090383618746339	0.0104678294872978	0.221460024076894
KIRP	NCOR2	cg10641483	0.0827409970323681	276	1.37180945296913	0.171249045252396	0.00684607258991035	0.345383911292256
KIRP	NCOR2	cg13416396	-0.136469270142411	276	-2.27613724521186	0.0236124136309468	0.0186238616932024	0.0825834692265375
KIRP	NCOR2	cg13419087	0.042722471444447	276	0.706536159069611	0.480457343275132	0.00182520956632159	0.66775107304723
KIRP	NCOR2	cg13857025	-0.162145455356031	276	-2.71501069849374	0.00704977465775679	0.0262911486926145	0.0325767846584813
KIRP	NCOR2	cg16181859	-0.0992540880669223	276	-1.64808471820516	0.100485651868879	0.00985137399799636	0.239032076331532
KIRP	NCOR2	cg19895345	-0.132167559631782	276	-2.20309335780975	0.0284236029375676	0.0174682638190206	0.094835553565154
KIRP	NCOR2	cg23611643	-0.175348038152982	276	-2.94281962180956	0.00353179775775103	0.0307469344840996	0.018777520145331
KIRP	NCOR2	cg24626542	-0.0857952925403443	276	-1.42281710987513	0.155930850136417	0.00736083222208326	0.324148284741967
KIRP	NCOR2	cg25113767	0.0634038000283127	276	1.04971477833333	0.294777626292487	0.00402004185803027	0.492614593960397
KIRP	NCOR2	cg25449924	-0.0739236710775377	276	-1.22477059270886	0.221717416854333	0.00546470914557999	0.410204640571871
KIRP	ORC1	cg00298020	-0.0614038592898152	275	-1.01647634891689	0.310302590660661	0.00377043393568342	0.509140154421377
KIRP	ORC1	cg02275620	0.0488691848362607	275	0.808417356305206	0.419554270606033	0.00238819722656061	0.614886775447443
KIRP	ORC1	cg04407474	0.00547416452925593	275	0.090449397232042	0.927996430276328	2.99664772933638e-05	0.962028654578991
KIRP	ORC1	cg07142859	0.00122245116933017	275	0.0201982232590803	0.983899999554205	1.4943868613967e-06	0.991586021237188
KIRP	ORC1	cg08613513	0.00727223752245894	291	0.123631307072974	0.901693141892043	5.28854385830597e-05	0.948089749285004
KIRP	ORC1	cg10586599	0.01103756390983	291	0.18765001731126	0.851282694738574	0.000121827817063581	0.920645767029608
KIRP	ORC1	cg13460942	0.106500909527603	275	1.76974907995979	0.0778851867758969	0.0113424437302066	0.199086555170011
KIRP	ORC1	cg16136434	0.0464563846813961	275	0.768415090952656	0.442904811293696	0.00215819567766585	0.635175961143891
KIRP	ORC1	cg16965475	-0.0282613123340178	275	-0.467140104395609	0.640772261503823	0.000798701774840907	0.788916507108444
KIRP	ORC1	cg17146111	-0.142917167418197	275	-2.38587093912007	0.0177206718456745	0.0204253167428409	0.066347191527693

KIRP	ORC1	cg19776520	-0.00840225989176045	275	-0.138833018082719	0.889684458023452	7.05979712886863e-05	0.941510125344532
KIRP	ORC1	cg21197365	-0.058006811740199	275	-0.960046361919752	0.337881382304757	0.00336479020826288	0.537314621957605
KIRP	ORC1	cg23606758	0.0866874844336575	275	1.43772454395043	0.151657467054551	0.00751471995743561	0.318092234889235
KIRP	ORC1	cg25605769	0.155760413225805	275	2.60538345187781	0.00968051208746028	0.0242613063282735	0.0415457525574996
KIRP	PADI1	cg14524955	-0.500647470160527	276	-9.55587328181746	7.48098270333054e-19	0.250647889378136	8.89870899729198e-17
KIRP	PADI1	cg21010178	-0.0258437651484591	276	-0.427151750483564	0.669605493995287	0.000667900197048707	0.808523879765497
KIRP	PADI1	cg22193702	-0.441108733429364	292	-8.3556942714011	2.76105394933149e-15	0.194576914707657	2.22814762379973e-13
KIRP	PADI2	cg00569276	-0.348912761601202	276	-6.1515796912836	2.71992819528112e-09	0.121740115208177	8.29455484216775e-08
KIRP	PADI2	cg01603374	-0.0505859034157455	276	-0.836887751269793	0.403387642910681	0.00255893362438713	0.599849723647014
KIRP	PADI2	cg07014827	-0.0711262681937819	274	-1.17385915866793	0.241482021234347	0.00505894602717379	0.433728966516088
KIRP	PADI2	cg09313801	-0.116784569500649	276	-1.94289245321147	0.0530571068388719	0.013638635673452	0.150649943597954
KIRP	PADI2	cg10233913	-0.107009801731453	276	-1.77830317470812	0.0764669772891596	0.0114510976666049	0.196656816133852
KIRP	PADI2	cg15185794	-0.0883102565244859	292	-1.50716282037589	0.132861227421545	0.0077987014074205	0.290503002502365
KIRP	PADI2	cg171783414	-0.104353434986997	276	-1.73366705875862	0.0841061703184437	0.0108896393935855	0.21042501491455
KIRP	PADI2	cg18228326	-0.0902033060786751	276	-1.49650390469185	0.135677570731901	0.00813663642752315	0.2946972655566
KIRP	PADI2	cg18879300	-0.228608421165726	276	-3.87997884106199	0.000131015283087507	0.0522618102278859	0.00121350195648405
KIRP	PADI2	cg19282714	-0.088739333043658	292	-1.51454371326707	0.13098088775199	0.00787466922903325	0.28765205158002
KIRP	PADI3	cg01459162	-0.379062612276776	292	-6.96376288736474	2.23468810010571e-11	0.143688464026094	9.92267842806071e-10
KIRP	PADI3	cg12858514	-0.420011356791444	292	-7.86781792818409	7.26822690061436e-14	0.17640953983379	4.9039414007493e-12
KIRP	PADI3	cg14664242	-0.215227933995224	276	-3.64149166673505	0.000324244504554114	0.0463230635718526	0.00260748439937086
KIRP	PADI3	cg17589397	-0.499408326852367	276	-9.52434970460688	9.39632884760958e-19	0.249408676929481	1.10419638424613e-16
KIRP	PADI3	cg18768338	-0.239421263226499	276	-4.07438890201462	6.05252352312625e-05	0.0573225412849723	0.000627381765433822
KIRP	PADI3	cg21966975	-0.279081343814114	276	-4.80197521892479	2.59285101268481e-06	0.0778863964650915	3.97689770664042e-05
KIRP	PADI4	cg16091981	-0.12975491780265	276	-2.16218196887498	0.0314728628233104	0.0168363386939724	0.102319356867258
KIRP	PADI4	cg18333690	-0.164663310942415	291	-2.8331013559635	0.00493542220015406	0.0271140059705184	0.0245260507024137
KIRP	PADI4	cg19159961	-0.0489449288829004	276	-0.809673356994045	0.418833084003894	0.00239560606335218	0.614281153369008
KIRP	PADI4	cg21295838	-0.132090319178219	276	-2.2017829710663	0.028517152660704	0.0174478524026037	0.0950589510258413
KIRP	PADI4	cg23228178	-0.0237104725736239	292	-0.403191384063317	0.687105559874001	0.000562186509664572	0.819939714451965
KIRP	PADI4	cg26918754	-0.202013623981145	276	-3.40807818774947	0.000752871447130084	0.0408095042739955	0.00529891263530605
KIRP	PADI6	cg12643633	0.0148900120804195	275	0.246050653708426	0.805827911843911	0.000221712459755039	0.894618135001858
KIRP	PADI6	cg16017904	-0.0258030214214973	275	-0.426477879690282	0.670095757334033	0.000665795914478248	0.808850163879217
KIRP	PARP1	cg00653565	-0.0281884823682599	276	-0.465935316476369	0.64163332465032	0.000794590538225699	0.78953548437777
KIRP	PARP1	cg02088626	-0.23182987042036	276	-3.9377364225078	0.000104481515200605	0.0537450888191207	0.00100037353766349
KIRP	PARP1	cg03149313	0.109691987168303	276	1.82341222261906	0.069334411118195	0.0120323320489311	0.183076545330557
KIRP	PARP1	cg04960271	0.135395090538968	292	2.32310844601794	0.02086740752345	0.0183318305420552	0.0752321392566165
KIRP	PARP1	cg07113065	-0.216734644632393	276	-3.66823597437338	0.000293581101060332	0.0469739061839297	0.00240130881882951
KIRP	PARP1	cg17661881	0.0669393808296864	292	1.1405276271362	0.255010827994125	0.00448088070586178	0.449308367562227
KIRP	PARP1	cg25722198	-0.0792712672363667	276	-1.31391106099397	0.189979139593022	0.00628393380925946	0.370035983612907
KIRP	PARP1	cg26464410	-0.0316593107765023	276	-0.523360013496084	0.60114829143041	0.00100231195884315	0.760949896766168
KIRP	PARP2	cg01813761	-0.0707161082943254	271	-1.16057811403744	0.246846277162556	0.00500076797229476	0.440047279015163
KIRP	PARP2	cg10910545	-0.0921914625424248	276	-1.52976777521412	0.127232084577773	0.00849926576571132	0.281999281678774
KIRP	PARP2	cg15078479	-0.170421886922255	292	-2.94018346538165	0.00354518308507388	0.0290436195421418	0.0188396729913408
KIRP	PARP2	cg15365367	-0.0502606860573598	276	-0.831493720089094	0.406421449917391	0.00252613656295648	0.602713604690868
KIRP	PARP2	cg18899035	-0.0110343040511043	244	-0.171308892989759	0.864124635930421	0.000121755865892217	0.927863518669029
KIRP	PARP2	cg19540080	-0.0223384069237094	276	-0.369183179652823	0.712277367458534	0.00049900442388923	0.836297883594041
KIRP	PARP2	cg24595957	0.0705464474670774	292	1.20228510559772	0.230237247970729	0.00497680125022511	0.420428066021193
KIRP	PARP2	cg26206608	-0.0305667538767718	276	-0.505281764352737	0.613768623969314	0.000934326442563144	0.770220614483623
KIRP	PARP2	cg26430074	-0.118488367214854	276	-1.97163844875429	0.049660452980403	0.0140394931652421	0.143556071784801
KIRP	PAXIP1	cg02824291	0.142752992147721	276	2.38307313607916	0.0178530845072969	0.0203784167671274	0.0667241343339254
KIRP	PAXIP1	cg12220104	0.152415428354394	276	2.54808670086387	0.0113798031401348	0.0232304628004535	0.0471721855109313
KIRP	PAXIP1	cg22583711	-0.0761948504027407	276	-1.26261603364463	0.207804638592414	0.00580565522789603	0.392854290514174
KIRP	PAXIP1	cg24448952	-0.163885405188308	276	-2.74494463611929	0.00645369549517156	0.0268584260337357	0.0303725824169012
KIRP	PAXIP1	cg24452135	0.0878297779077615	276	1.4568159623308	0.146316383485834	0.00771406988732671	0.310463866483838
KIRP	PCGF1	cg03203239	-0.0588855071697697	276	-0.974639504908957	0.330601919219416	0.003467502954641	0.530271781720416
KIRP	PCGF1	cg08092637	0.108717810367687	276	1.80702389025	0.071859418836915	0.0118195622911443	0.187900629525023
KIRP	PCGF1	cg27306986	-0.0168269493393836	276	-0.278066201231281	0.781172019521966	0.000283146224070182	0.879113748415118
KIRP	PCGF2	cg09395368	-0.016573151787726	276	-0.273871022557684	0.784390838960081	0.000274669360179006	0.881016705439153

KIRP	PCGF2	cg17902383	0.0249323274586379	276	0.412077755152986	0.680605809064825	0.00062162095250475	0.815790833350544
KIRP	PCGF2	cg20228512	-0.124803275192263	292	-2.13837454503746	0.0333247785719227	0.0155758574987157	0.106755292927594
KIRP	PCGF2	cg25377665	-0.123044799212007	276	-2.0486008139334	0.0414573220423004	0.0151400226131232	0.125647923911435
KIRP	PCGF5	cg03905463	0.0809518391778509	276	1.34194815045319	0.180727840934766	0.00655320026627664	0.357858421341865
KIRP	PCGF5	cg06001881	-0.199728533093688	276	-3.3679161899284	0.000866410543955154	0.0398914869317564	0.00595630451188117
KIRP	PCGF5	cg07421809	-0.076820226476259	276	-1.27304033509481	0.204086724586437	0.00590134719586372	0.388098527279505
KIRP	PCGF5	cg07424295	0.280458947161311	276	4.82769699959863	2.3026575307782e-06	0.0786572210428309	3.57479425163359e-05
KIRP	PCGF5	cg08633154	0.00496265657967751	292	0.0843662007446367	0.932823690498959	2.46279603278165e-05	0.964334319070271
KIRP	PCGF5	cg11113644	-0.0827380367459633	276	-1.37176003441361	0.171264416757497	0.00684558272457637	0.34539700412798
KIRP	PCGF5	cg12783297	-0.0956890904960423	276	-1.58833167352773	0.113368803557405	0.00915640203995977	0.260510721234882
KIRP	PCGF5	cg15550435	-0.0118080137180418	274	-0.194397991369227	0.846009908856191	0.000139429187965463	0.917764534245465
KIRP	PCGF5	cg17001035	0.256199489360254	292	4.50577642956742	9.61246939727887e-06	0.0656381783484548	0.000126444444418653
KIRP	PCGF5	cg20515900	0.0167170830069986	276	0.276250145267034	0.782564959038703	0.00027946086426288	0.879879439564343
KIRP	PCGF5	cg22968329	-0.034832692900251	276	-0.57588008893241	0.565170701028362	0.0012133164946832	0.734700718940415
KIRP	PCGF5	cg23395902	-0.10193869770974	276	-1.69312372653059	0.091572639281505	0.0103914980907577	0.223590028569894
KIRP	PCGF5	cg25390656	-0.0228358651127187	276	-0.377408832145001	0.70616303401109	0.000521476735446281	0.83244051744668
KIRP	PCGF6	cg01917164	-0.0438227791158998	276	-0.724767411826164	0.469215447096356	0.00192043596944094	0.658111358359577
KIRP	PCGF6	cg06691148	-0.00522454204802891	276	-0.0863247798820584	0.931271519307152	2.72958396116221e-05	0.963679258269298
KIRP	PCGF6	cg11612727	-0.0613680966261507	276	-1.01588209697947	0.310585004213188	0.00376604328351657	0.509387729173042
KIRP	PCGF6	cg11814370	-0.0443655748504793	276	-0.73376208928725	0.463723425692653	0.00196830423181348	0.652955291653221
KIRP	PCGF6	cg14409890	-0.12095641213201	276	-2.01331000460109	0.045063369105549	0.0146304536358487	0.133718238055423
KIRP	PCGF6	cg16113748	-0.0013366523601025	276	-0.022085141240485	0.982396172473145	1.78663953176759e-06	0.990846806060732
KIRP	PCGF6	cg16382383	0.131751276103047	276	2.19603157703499	0.0289309104699016	0.0173583987547813	0.0961180820396269
KIRP	PCGF6	cg24418712	-0.0707868089602688	276	-1.17253136556977	0.242005917108102	0.00501077232277759	0.434293156067074
KIRP	PCGF6	cg25481680	0.0553066324559106	276	0.915216354672415	0.360885735634305	0.00305882359361318	0.559784412084002
KIRP	PCGF6	cg26155979	0.156504413783105	276	2.61813995954952	0.00933464598287202	0.0244936315335933	0.0403969197499727
KIRP	PCGF6	cg27217148	0.119770158295402	292	2.05085547381463	0.0411825822142531	0.0143448908181056	0.125029573867297
KIRP	PHC1	cg02770112	-0.0279498047806397	276	-0.461987050290618	0.644458547533425	0.000781191587275872	0.791439187687983
KIRP	PHC1	cg08021945	-0.0449539159170793	276	-0.743512234847305	0.457811007718842	0.00202085455627984	0.647921509505159
KIRP	PHC1	cg08867249	0.0726775083856607	276	1.20401353591299	0.22962723315152	0.00528202022514778	0.419678632110639
KIRP	PHC1	cg09059548	-0.0493148711955233	292	-0.839374092278853	0.401953206143907	0.00243195652103106	0.59851511820058
KIRP	PHC1	cg09912793	-0.0309189391408539	276	-0.511109079344864	0.609687774551592	0.00095598079759583	0.767146983204324
KIRP	PHC1	cg12581035	-0.0952731194045927	292	-1.62704417653307	0.104817484684946	0.00907696728108177	0.246355333180387
KIRP	PHC1	cg14199415	-0.0274905965629617	276	-0.454390931412429	0.649908548866117	0.000755732899387522	0.795259629164021
KIRP	PHC2	cg06899053	0.0193608169354899	276	0.319953166816056	0.749248562319926	0.000374841232409552	0.859526088760508
KIRP	PHC2	cg13640100	0.0141782159642159	276	0.234286123466338	0.81493846591549	0.000201021807927948	0.900481367572335
KIRP	PHC2	cg15586632	0.0619578048307019	276	1.02586151363648	0.305949684463688	0.00383876957943935	0.50448398128761
KIRP	PHC2	cg16558908	-0.0132250945261752	276	-0.218533535227172	0.827176707059292	0.00017490312522627	0.907179473515184
KIRP	PHC2	cg17161743	-0.00510903025815404	276	-0.0844161354552084	0.932787448616315	2.61021901787335e-05	0.964326595556022
KIRP	PHC2	cg19746874	0.0984238016751111	276	1.63416262310369	0.103377312442086	0.00968724473618161	0.243871020533088
KIRP	PHC2	cg21198021	0.11894160753819	292	2.03646367285775	0.042615236119786	0.0141471060037688	0.128247956622926
KIRP	PHC2	cg21578869	0.0260040930727217	276	0.429803475241503	0.66767765222795	0.00067621285653477	0.807213490493816
KIRP	PHC2	cg23886755	0.0433325449551254	292	0.737345850144882	0.461510268332551	0.00187770945228796	0.651095894502602
KIRP	PHF1	cg01097444	-0.0679088725938727	276	-1.12463490799883	0.26173161720228	0.00461161497697084	0.457081431074264
KIRP	PHF1	cg02776641	-0.0414048836732165	276	-0.684708124875717	0.494109007886146	0.00171436439199259	0.679319579982337
KIRP	PHF1	cg03560363	-0.179757231242315	276	-3.01925757432314	0.00277369209463186	0.0323126621839031	0.0154656395362522
KIRP	PHF1	cg03876174	-0.0556483334465044	276	-0.920888347004309	0.357921761473358	0.00309673701537334	0.55689444813013
KIRP	PHF1	cg06618123	-0.0962838509341032	276	-1.59829612122009	0.111133816198355	0.0092705799507006	0.256795796992153
KIRP	PHF1	cg06919790	-0.059001360102563	276	-0.976563728877265	0.329649734401802	0.00348116049395231	0.529297342141492
KIRP	PHF1	cg07857404	-0.0434217199870469	265	-0.703505462349294	0.482365512634533	0.00188544576663351	0.669362706514169
KIRP	PHF1	cg08665801	-0.100774398325944	276	-1.67358604434239	0.0953573320267233	0.0101554793579561	0.230172462306833
KIRP	PHF1	cg08798692	-0.100243517689424	276	-1.66467984138089	0.0971238803952039	0.0100487628387498	0.233173314729022
KIRP	PHF1	cg10033570	-0.106746721831294	276	-1.77388082361665	0.0771975060388369	0.0113948626217277	0.19793358112077
KIRP	PHF1	cg10797813	-0.0726945581071696	276	-1.20429749088185	0.229517682914114	0.00528449877839666	0.419584966964161
KIRP	PHF1	cg13303256	0.00511696121450729	292	0.086989479489553	0.930740115272978	2.6183292070772e-05	0.963372900695398
KIRP	PHF1	cg13528777	-0.0867775361047499	275	-1.43659102057461	0.151983426660146	0.00753034077241117	0.318595529454862
KIRP	PHF1	cg13547657	-0.148125023222812	276	-2.47472663785039	0.0139415732011431	0.0219410225047587	0.0551880298973724

KIRP	PHF1	cg18443095	0.0329075185802364	276	0.544016078944232	0.586874421408855	0.0010829047791086	0.750888923733613
KIRP	PHF1	cg20135607	-0.0704242376320347	276	-1.1664956267546	0.244432100701956	0.00495957324605329	0.437275234374465
KIRP	PHF1	cg20872639	-0.0844530787189395	276	-1.40039684458138	0.162530021587546	0.0071323225051074	0.33317155466091
KIRP	PHF1	cg23345642	-0.0151923287468845	276	-0.25104744045981	0.801966283193764	0.000230806852753412	0.891929455992406
KIRP	PHF1	cg23718418	-0.0497067669934304	276	-0.822307068757382	0.411619782118211	0.00247076268493918	0.607319905361759
KIRP	PHF1	cg24796663	-0.0594034498050265	276	-0.979634181672536	0.32814044640478	0.0035287698487383	0.527708229371427
KIRP	PHF1	cg26673053	-0.0234435043248253	276	-0.387456749173942	0.698719996583825	0.000549597895028103	0.827188693301712
KIRP	PHF10	cg04353997	-0.309075603882	276	-5.36968020151785	1.68849014258387e-07	0.0955277289150231	3.48512608522603e-06
KIRP	PHF10	cg05243705	0.0542769654039583	276	0.898126559411292	0.369909486007859	0.00294598897346248	0.568575408094827
KIRP	PHF10	cg05736120	-0.13299951169507	276	-2.21721004562416	0.0274325398256488	0.0176888701111271	0.0923468288662275
KIRP	PHF10	cg07652237	-0.370981428819727	276	-6.606388802447	2.12369130196814e-10	0.137627220529126	7.95428219284108e-09
KIRP	PHF10	cg11442717	-0.342713768475309	292	-6.20171044300742	1.92640981870286e-09	0.117452727102548	6.03313709485387e-08
KIRP	PHF10	cg15342139	0.0492837286776056	276	0.815291564630051	0.415616139109894	0.00242888591236785	0.61121083434309
KIRP	PHF10	cg15360169	-0.0213546788989163	276	-0.352917679995287	0.724422490979984	0.000456022310875822	0.843917678490207
KIRP	PHF10	cg16740543	-0.149930012743063	292	-2.5779497823558	0.010434169020135	0.0224790087211351	0.0440623029395497
KIRP	PHF10	cg27124293	-0.207947664680822	276	-3.5126459026726	0.000519043685349377	0.0432422312462077	0.00386952414547862
KIRP	PHF11	cg00092518	-0.312628456063351	276	-5.43804938579164	1.19648976277582e-07	0.0977365515405544	2.55432833714003e-06
KIRP	PHF11	cg01214340	-0.306958820815897	276	-5.32906440643268	2.06867582956683e-07	0.0942237176766862	4.17242850623081e-06
KIRP	PHF11	cg02289189	-0.08997894180722	276	-1.49275120364428	0.136657067937408	0.00809620996874709	0.296262956836548
KIRP	PHF11	cg05080330	-0.0941473884377527	276	-1.56251040008677	0.119326232122664	0.0088637307496491	0.269701760706312
KIRP	PHF11	cg09997676	-0.311801630645517	276	-5.42211597773704	1.29687226125671e-07	0.0972202568732032	2.74976507746537e-06
KIRP	PHF11	cg16956501	-0.256726209127233	276	-4.38891111710259	1.62966198118677e-05	0.0659083464528398	0.000200217820853512
KIRP	PHF11	cg21320768	-0.335019474758211	276	-5.87493563729035	1.22789666309018e-08	0.112238048467268	3.292760875851e-07
KIRP	PHF11	cg23137039	-0.146245661057109	276	-2.44263738150961	0.015214722014906	0.0213877933780308	0.0590331214178353
KIRP	PHF11	cg24481868	-0.253434801247054	276	-4.32875324166131	2.10700094095355e-05	0.064229198483134	0.000250527213453355
KIRP	PHF11	cg24984523	-0.192652132787158	276	-3.24390329678614	0.00132574299876705	0.0371148442674406	0.00848218199244051
KIRP	PHF11	cg25162948	-0.309593248286982	276	-5.37962589975737	1.60629658494432e-07	0.0958479793848851	3.33227297411089e-06
KIRP	PHF12	cg01406758	-0.082353532141566	276	-1.3653414853378	0.173269729562783	0.00678210425619194	0.348168548149481
KIRP	PHF12	cg02058367	-0.134026106896852	276	-2.23463604717659	0.0262505987815714	0.0179629973299263	0.0893754248156839
KIRP	PHF12	cg06895197	0.14945032203879	276	2.49737197210109	0.0131009395757117	0.022335398757498	0.0526433106070721
KIRP	PHF12	cg08657247	-0.174991986514678	276	-2.93665513956074	0.00360053123357721	0.0306221953443532	0.0190479242968314
KIRP	PHF12	cg08806622	-0.0950185611429323	276	-1.57709987323017	0.115930576757661	0.00902852696167317	0.264387797835045
KIRP	PHF12	cg13564075	0.00104379334570613	292	0.0177444965433617	0.985854927180546	1.0895045485404e-06	0.992604649001274
KIRP	PHF14	cg06715026	-0.153198567478758	276	-2.56149309048864	0.0109599388517685	0.0234698010775435	0.045797791429042
KIRP	PHF14	cg07287563	-0.164697281210755	276	-2.75892106525432	0.00619131593542077	0.0271251944382145	0.0294027978682696
KIRP	PHF14	cg07574654	-0.0838328368021121	276	-1.39003895933974	0.165649387817266	0.00702794452628957	0.3378075022711
KIRP	PHF14	cg11931558	-0.216298009568984	276	-3.66048282580208	0.00030217704826193	0.0467848289435045	0.00245843560891953
KIRP	PHF14	cg13029706	-0.226604856296113	276	-3.84412477756882	0.000150574793236706	0.0513497608969818	0.00136653839778144
KIRP	PHF14	cg16800461	-0.181574613477203	276	-3.05081821047963	0.0025067693999275	0.0329693402593955	0.0142687948121724
KIRP	PHF14	cg20819769	-0.00052461330610558	276	-0.0086680355730691	0.993090325591198	2.75219120943032e-07	0.99643459392455
KIRP	PHF14	cg20964328	-0.145607719120026	276	-2.4317509755895	0.0156694573493301	0.0212016078673365	0.0603434552955078
KIRP	PHF14	cg22876561	-0.158528406333566	276	-2.65286618493835	0.0084485939593111	0.0251312556146602	0.0374736255471035
KIRP	PHF14	cg23083824	-0.188857984749134	276	-3.17762933745592	0.00165549508740108	0.035667338403504	0.0101921165581893
KIRP	PHF14	cg24491907	-0.0378599345403708	276	-0.625997586608165	0.531839541595125	0.00143337464340116	0.709380791764131
KIRP	PHF19	cg11054680	-0.262285079002937	261	-4.36576575388161	1.83496248863004e-05	0.0687934626675771	0.000222454529905696
KIRP	PHF19	cg11594303	-0.225856041194696	276	-3.83073786703401	0.000158562701536159	0.0510109513441401	0.00142752306484249
KIRP	PHF19	cg13501527	-0.0167154173099343	276	-0.276222611894965	0.782586082915953	0.000279405175845252	0.879887419267795
KIRP	PHF19	cg13793166	-0.254495703324411	217	-3.84970699926733	0.000156168258727355	0.0647680630105864	0.00140939135956333
KIRP	PHF19	cg13851767	0.102408676505219	276	1.70101225592785	0.0900793470531254	0.0104875370235507	0.220928551488093
KIRP	PHF19	cg13852822	0.119289118776119	276	1.98515458852112	0.0481278744409906	0.0142298938583831	0.140302874186225
KIRP	PHF19	cg14218513	-0.239452889019617	276	-4.07495983258583	6.03854711507825e-05	0.0573376860598412	0.000626016436927502
KIRP	PHF19	cg27207079	0.128503919188241	276	2.14098409851992	0.0331609631536849	0.0165132572467381	0.106382578195159
KIRP	PHF20	cg01512265	-0.0956452735405334	276	-1.58759764472022	0.113534841355599	0.00914801835064346	0.260694721414436
KIRP	PHF20	cg02674305	-0.0270944937123603	276	-0.447838918741454	0.654624623187203	0.00073411158952913	0.798574084399261
KIRP	PHF20	cg02957488	0.0446836737162671	276	0.739033613152704	0.460521515111307	0.00199663069678182	0.650278814850689
KIRP	PHF20	cg04179482	0.100282608293985	276	1.6653355872834	0.0969929219863703	0.0100566015262448	0.232953573127442
KIRP	PHF20	cg09692677	-0.179638499735945	269	-2.97826359766528	0.00316637614813018	0.0322699905873813	0.0172086814354925

KIRP	PHF20	cg10372813	-0.319399704981656	276	-5.56905588931475	6.12828873455071e-08	0.102016171542369	1.40095237677237e-06
KIRP	PHF20	cg21765224	-0.315032835230849	276	-5.48446122297185	9.45272496074626e-08	0.0992456872735873	2.06157915782533e-06
KIRP	PHF20	cg23538717	0.112339316333521	276	1.86797458839544	0.062836852977835	0.0126201219942829	0.170259835622503
KIRP	PHF20	cg23734815	-0.0862991763704254	276	-1.43123596549719	0.153506337675921	0.00744754784221378	0.320759388481349
KIRP	PHF20	cg25561939	-0.00086713260038461	276	-0.0143273872979277	0.988579254725242	7.51918946649779e-07	0.993976674970026
KIRP	PHF20	cg27405321	-0.0181890869352763	269	-0.296704115614976	0.766923956081744	0.00033084288353904	0.870798679386583
KIRP	PHF20L1	cg02898212	0.123689971518074	276	2.05950888383982	0.0403936704112653	0.015299209054142	0.123269464772241
KIRP	PHF20L1	cg05307234	-0.0943070520282565	276	-1.56518400387201	0.1186981616903	0.00889382006226028	0.268750685134468
KIRP	PHF20L1	cg10591701	-0.135872926370071	276	-2.26600348015606	0.0242343007181959	0.0184614521203667	0.0842057791804606
KIRP	PHF20L1	cg17646969	-0.0419811033143877	276	-0.69425371515991	0.488113472747131	0.00176241303549329	0.674236039327585
KIRP	PHF20L1	cg24511731	-0.0178439356693697	276	-0.294877152691643	0.768311842498948	0.000318406040172605	0.871648987941577
KIRP	PHF20L1	cg26292018	0.150634965016765	276	2.5176255741643	0.0123875951544478	0.0226908926856019	0.0503911617522219
KIRP	PHF20L1	cg27342122	-0.00085467642146998	292	-0.0145295044716872	0.988417565714195	7.30471785416735e-07	0.993904276637615
KIRP	PHF21B	cg01775414	-0.0686522592322037	292	-1.16984848852748	0.243025806376742	0.0047131326976857	0.435570777128725
KIRP	PHF21B	cg01995480	-0.100076364559118	276	-1.66187593109711	0.0976854509496228	0.0100152787433696	0.234128472831812
KIRP	PHF21B	cg05064352	-0.0891945175103729	291	-1.5197384906585	0.129673756768488	0.00795566195390823	0.285592822454959
KIRP	PHF21B	cg10080155	-0.0127232564856105	276	-0.210239715680458	0.833637407313688	0.00016188125559863	0.910752994292149
KIRP	PHF21B	cg11428482	0.090949219779195	276	1.5089816595685	0.132459905471093	0.00827176057844432	0.289869922816907
KIRP	PHF21B	cg14786713	0.0144044322546886	276	0.238024975413547	0.812040274362906	0.000207487668579913	0.898725481620422
KIRP	PHF21B	cg15679813	-0.0784047932964671	276	-1.29946004104981	0.194882357661363	0.00614731161186173	0.376419084885352
KIRP	PHF21B	cg20495645	-0.0622604894689621	276	-1.03071176323339	0.303588279521601	0.00387636854891474	0.502066009108143
KIRP	PHF21B	cg20525183	0.185477448757297	276	3.11870453789684	0.00201082570315097	0.0344018839975157	0.011951510376397
KIRP	PHF21B	cg21715212	0.0167954884058777	276	0.277546160856053	0.781570825620034	0.000282088430791972	0.879321110278629
KIRP	PHF21B	cg23080354	-0.0400894718509864	276	-0.662919708405369	0.507941298292494	0.00160716575329103	0.6905885345666
KIRP	PHF21B	cg25561581	-0.0300641264244665	276	-0.496965534018951	0.619613324416577	0.000903851697666304	0.774369832436313
KIRP	PHF21B	cg25976257	-0.00906394158000107	276	-0.149767045249937	0.881058994510691	8.21550369656723e-05	0.93692985331098
KIRP	PHF23	cg00039960	0.11696040741902	276	1.94585833165717	0.0526978573542806	0.0136797369036232	0.149877212583295
KIRP	PHF23	cg01441172	0.0378978701408118	276	0.626625737026197	0.531428225399883	0.00143624856120984	0.709134614564911
KIRP	PHF23	cg04379155	-0.119732376982274	276	-1.99263817238791	0.0472966400056454	0.0143358420978255	0.138548171357992
KIRP	PHF23	cg11180288	-0.0230561654469335	276	-0.381051667721842	0.703461276150033	0.000531586765116369	0.830577138732633
KIRP	PHF23	cg13351208	-0.0474354911383387	276	-0.784646215171623	0.433341360534532	0.00225012581953541	0.626896472364916
KIRP	PHF23	cg22033559	-0.0810049609571027	276	-1.34283457104072	0.18044093675469	0.00656180369966173	0.357549969963945
KIRP	PHF23	cg26213471	-0.170479054366945	276	-2.85862277682204	0.00458285497705766	0.0290631079778477	0.0231220325627618
KIRP	PHF23	cg26784276	0.105089089757845	276	1.74602479540506	0.081931510723428	0.0110437167861324	0.206451590231541
KIRP	PHIP	cg01492710	0.0737105518822636	276	1.22122030716743	0.223056214014019	0.00543324545878788	0.411790386886414
KIRP	PHIP	cg04480383	-0.0278702071739164	276	-0.460670343776735	0.645401882479265	0.000776748447917022	0.792142909701212
KIRP	PHIP	cg05801338	-0.10424437601054	276	-1.73183530065427	0.0844324769356858	0.0108668899298269	0.21099711245534
KIRP	PHIP	cg06848288	-0.0941086997120042	292	-1.60697978697576	0.109150781503094	0.00885644736148418	0.253531467104136
KIRP	PHIP	cg08287994	-0.174303490403161	276	-2.92473826529185	0.00373688293186047	0.0303817067667249	0.0196529928881256
KIRP	PHIP	cg08587415	-0.0418494374504175	276	-0.692072492324667	0.489480000241883	0.00175137541491641	0.675452011331567
KIRP	PHIP	cg15564972	0.0327862616446138	276	0.542009338772096	0.588254185852355	0.00107493895262907	0.75181516019903
KIRP	PHIP	cg19494004	-0.125354597461457	276	-2.08766536667106	0.0377551012063469	0.0157137751047239	0.117360440494292
KIRP	PHIP	cg19950079	0.0318743298915707	276	0.526918096851165	0.598678351587581	0.00101597290603668	0.75910516080956
KIRP	PHIP	cg21607066	-0.212586776246519	292	-3.69851514685739	0.000259508448486856	0.0451931374348875	0.00215962775369988
KIRP	PHIP	cg21875336	-0.0336270473375195	276	-0.555924409062604	0.578717854414672	0.00113077831263978	0.744908447770194
KIRP	PHIP	cg26363168	-0.071643305189151	276	-1.18679135053522	0.23634164536477	0.00513276317842583	0.42766007535139
KIRP	PHRF1	cg06063517	0.118419896961685	276	1.97048289908178	0.0497933681975425	0.014023271996416	0.143861891315443
KIRP	PHRF1	cg07530960	-0.0883279616187473	276	-1.46514403254219	0.144032326875467	0.0078018288037229	0.307230575800376
KIRP	PHRF1	cg08482978	-0.149559089219917	276	-2.49923108256256	0.0130339706326219	0.0223679211682911	0.0524337941562822
KIRP	PHRF1	cg12469954	0.0567834825213866	276	0.939733352081132	0.348185067365474	0.00322436388725661	0.547416364475853
KIRP	PHRF1	cg12813709	-0.131248542945954	276	-2.18750485155855	0.0295538859865508	0.0172261800254358	0.0976035256636913
KIRP	PHRF1	cg15219216	0.182233956808657	276	3.06227632959096	0.00241585891154567	0.0332092150141394	0.0138438843851305
KIRP	PHRF1	cg16143007	-0.109432496166403	276	-1.81904635286973	0.069999808897992	0.0119754712172097	0.184389162408505
KIRP	PHRF1	cg18793109	-0.00277034026768744	276	-0.0457737090448575	0.963524078723041	7.67478519877051e-06	0.980847843237114
KIRP	PHRF1	cg20152424	0.0737640580829432	276	1.22211163427473	0.222719552872816	0.00544113626486382	0.411397373746245
KIRP	PHRF1	cg21006161	0.00421610852747981	276	0.0696621645954606	0.944513555980167	1.7775571115488e-05	0.970330013006246
KIRP	PPARGC	cg04893087	-0.157443343941225	292	-2.71034015081377	0.00712326180261523	0.0247884065513949	0.0328519699236809

KIRP	PPARGC	cg05158538	-0.175460571399435	291	-3.02458668649454	0.00271422811915305	0.0307864121158161	0.0152092964273855
KIRP	PPARGC	cg11270806	-0.339394454567856	276	-5.96157085118809	7.70001087671689e-09	0.115188595791413	2.15628022369803e-07
KIRP	PPARGC	cg12691631	-0.259400106693539	276	-4.43790282519198	1.31931128579461e-05	0.0672884153526195	0.000166614451569977
KIRP	PPARGC	cg20723350	-0.189905507850247	276	-3.19591196172148	0.0015576612993389	0.0360641019118603	0.00969646340087786
KIRP	PPARGC	cg27461259	-0.342671825289511	276	-6.02675670531251	5.40245816289941e-09	0.117423979847245	1.55601195973564e-07
KIRP	PPARGC	cg27514608	-0.337666893410091	276	-5.92730922287747	9.26611292431988e-09	0.114018930905222	2.55077136884126e-07
KIRP	PRDM1	cg00555933	-0.0246718623815206	276	-0.407770191708535	0.683761994069782	0.000608700793372689	0.817784066758639
KIRP	PRDM1	cg01761420	0.0163772899368365	276	0.270633535606984	0.786877394742528	0.000268215625675206	0.88256504062943
KIRP	PRDM1	cg05170275	0.040282828348111	276	0.66612223670611	0.505895456264069	0.00162270625972338	0.688962959308982
KIRP	PRDM1	cg08742502	-0.195676240551406	276	-3.29683468608933	0.00110734302741475	0.0382891911163316	0.00730534629195245
KIRP	PRDM1	cg14359052	-0.209756934616594	276	-3.54460825259315	0.000462446991458875	0.0439979716197503	0.00351221334116486
KIRP	PRDM1	cg17143179	-0.350407503323708	276	-6.1816128159269	2.3025064690105e-09	0.122785418385554	7.11928411169328e-08
KIRP	PRDM1	cg17521665	-0.175034979031695	276	-2.93739942520791	0.00359216806031126	0.0306372438846258	0.0190204956495953
KIRP	PRDM1	cg17965230	0.0167577878159754	292	0.284922402126992	0.775907662220444	0.000280823452485255	0.875977196435445
KIRP	PRDM1	cg19464016	-0.0414163831064879	292	-0.704683149626459	0.481574929782079	0.00171531678962337	0.668756035682829
KIRP	PRDM1	cg22186515	-0.0800776904898076	276	-1.32736324969458	0.185497500974584	0.00641243651418142	0.36423414500156
KIRP	PRDM1	cg22196848	0.0424241613160959	276	0.701593836027585	0.48353015122858	0.00179980946337413	0.670381524479705
KIRP	PRDM1	cg24040346	-0.0884597960152517	276	-1.46734807560231	0.143432469753113	0.00782513551105995	0.306310770829707
KIRP	PRDM1	cg24793124	-0.401398633669505	275	-7.22787519810651	4.96480856922046e-12	0.161120863111745	2.49182140538023e-10
KIRP	PRDM1	cg24874254	-0.2082245890418	276	-3.51753556331281	0.0005099839255584	0.0433574794816264	0.00381147944133828
KIRP	PRDM1	cg26351406	0.0462676198406824	276	0.765286100988347	0.444762277720159	0.0021406926457219	0.636719553045839
KIRP	PRDM10	cg04181189	0.196398087371035	276	3.30948366399901	0.00106035659742361	0.0385722087230007	0.00704916947017366
KIRP	PRDM10	cg17627813	0.0281617727948551	276	0.465493475876648	0.641949230145932	0.000793085446949038	0.789690426138377
KIRP	PRDM12	cg09191327	0.278582473698996	292	4.93111344283211	1.38108314080124e-06	0.0776081946522518	2.27434339236859e-05
KIRP	PRDM12	cg12539975	0.295504664405485	292	5.25841320989343	2.83117963873055e-07	0.0873230066853981	5.52278808463904e-06
KIRP	PRDM12	cg13795948	0.272180327340331	276	4.67360304652385	4.65428335327342e-06	0.0740821305910897	6.68405610456992e-05
KIRP	PRDM12	cg13928649	0.267540365044964	276	4.58773043224147	6.83632982777198e-06	0.0715778469283925	9.3581812884338e-05
KIRP	PRDM12	cg23342516	0.258680411405408	276	4.4247057199468	1.3968217512681e-05	0.0669155552448711	0.000175378230016383
KIRP	PRDM13	cg00126261	0.225161293490914	275	3.81832394381236	0.000166326939628365	0.0506976080865016	0.00148709779812079
KIRP	PRDM13	cg00579292	0.22377718063572	275	3.79361053792426	0.000182866827093209	0.0500762265732717	0.00160817792752534
KIRP	PRDM13	cg01422797	0.0946694648715591	275	1.57125314339501	0.117282101123921	0.00896230757906735	0.266553033241821
KIRP	PRDM13	cg01815538	0.112808188049331	275	1.87587125407875	0.0617399790822249	0.0127256872909733	0.168101635612579
KIRP	PRDM13	cg02400433	0.195650282788602	275	3.29637993013218	0.00110906779720245	0.03827903315526	0.00731362382093478
KIRP	PRDM13	cg03120185	0.20824721200383	275	3.51793505659211	0.000509250315829711	0.0433669013073682	0.00380636232414071
KIRP	PRDM13	cg04910970	0.149249135296559	275	2.49393341832658	0.0132256100009478	0.0222753043867706	0.0530319624974863
KIRP	PRDM13	cg11809464	0.118908040570169	275	1.97872176018859	0.0488522288157076	0.0141391221122371	0.141827522335018
KIRP	PRDM13	cg13738144	0.0664734573178461	275	1.10075642710861	0.271972293311968	0.00441872052778751	0.468331509084517
KIRP	PRDM13	cg14344102	0.157442906572262	275	2.63423771757254	0.0089140300240661	0.0247882688299219	0.0390548576082563
KIRP	PRDM13	cg17879189	0.143127108265041	275	2.38944895203172	0.0175525954060902	0.0204853691203128	0.0658604847416129
KIRP	PRDM13	cg17978124	0.170511267944745	275	2.85917911320977	0.00457506186855756	0.0290740924961246	0.0230887034059401
KIRP	PRDM13	cg25273233	0.160487175548519	275	2.68650601476405	0.00766313964922976	0.0257561335155411	0.0347809968420175
KIRP	PRDM13	cg25924096	0.12753986921933	275	2.12465559968444	0.0345138787874798	0.0162664182404837	0.109657859358514
KIRP	PRDM13	cg26507427	0.0932355746793064	275	1.54724419210252	0.122962796711829	0.00869287238578052	0.27529766044263
KIRP	PRDM14	cg00384539	-0.114367953250826	275	-1.90214974671169	0.0582039544970006	0.0130800287307831	0.161034293873785
KIRP	PRDM14	cg01295203	0.104684529067402	291	1.78946926917305	0.0745862685275801	0.0109588506260637	0.193087936451462
KIRP	PRDM14	cg04838988	0.140905320665754	275	2.35159971427185	0.0194037653920389	0.0198543093919189	0.0711154492089075
KIRP	PRDM14	cg09050331	0.109680123513516	275	1.82321261143624	0.0693647193014031	0.0120297294939402	0.183137925448273
KIRP	PRDM14	cg10457247	-0.111320749511318	291	-1.9042887928386	0.0578654785973929	0.0123923092717615	0.16029580322635
KIRP	PRDM14	cg11229513	0.169614613345897	275	2.84369718737442	0.00479649676657737	0.0287691170604782	0.0239868005566418
KIRP	PRDM14	cg13267264	-0.0874472961468067	275	-1.45042281398182	0.148088597424332	0.00764702960338731	0.313054465979035
KIRP	PRDM14	cg18035229	0.125527350037733	275	2.09058842905918	0.0374898213803583	0.0157571156074954	0.116752728761553
KIRP	PRDM14	cg21255438	-0.045888838711307	275	-0.759007624393608	0.448502823312862	0.00210578551827235	0.639811281917386
KIRP	PRDM14	cg27029821	-0.063731608138807	275	-1.05516405348176	0.292283203865491	0.00406171787595845	0.489998266561331
KIRP	PRDM4	cg00090609	-0.0431168312273874	276	-0.713070098076374	0.476411451351159	0.00185906113509101	0.66416889083567
KIRP	PRDM4	cg03909902	-0.0542737880482594	276	-0.898073828045585	0.369937545609753	0.00294564406910738	0.568607302929389
KIRP	PRDM4	cg12900929	-0.114221749716685	276	-1.89968594781746	0.0585281306299611	0.013046608108341	0.161722575627875
KIRP	PRDM4	cg18440127	-0.0447755170505973	276	-0.740555679679691	0.459599334030166	0.00200484692714833	0.649449294863194

KIRP	PRDM4	cg25995916	0.0823163316463675	292	1.40414294528729	0.161350016628402	0.00677597845571477	0.331600221741735
KIRP	PRDM4	cg27140793	0.0601256465428648	276	0.99523929037002	0.320501201020475	0.00361509337219751	0.519919390744804
KIRP	PRDM5	cg05713693	-0.0346754947086593	276	-0.573277955595155	0.566928422780507	0.00120238993329026	0.73578567903322
KIRP	PRDM5	cg06329345	-0.0833395688237256	276	-1.38180266929907	0.168161978762868	0.00694548373172449	0.341263446962971
KIRP	PRDM5	cg07070341	-0.135711170185035	276	-2.26325516458777	0.0244054005952203	0.0184175217129914	0.0846566073886193
KIRP	PRDM5	cg10416963	-0.150677572566652	276	-2.51835423301498	0.0123625886799544	0.0227037308745786	0.0503210142197769
KIRP	PRDM5	cg11171429	-0.0662488598185254	276	-1.09702081822476	0.273598988393308	0.00438891142725463	0.469967535230829
KIRP	PRDM5	cg13155001	-0.143570623494427	276	-2.39700884650814	0.0172020851724211	0.0206125239305786	0.0648581890129079
KIRP	PRDM5	cg18181323	-0.141519171595433	276	-2.36205331395988	0.0188760775322674	0.0200276759290576	0.0696506937127168
KIRP	PRDM5	cg19294653	-0.145285309801941	276	-2.42625027739162	0.0159037666734949	0.0211078212442461	0.0610162765914785
KIRP	PRDM5	cg22135105	-0.131515725766039	276	-2.19203625516572	0.0292213852700051	0.0172963861237679	0.0968356345754433
KIRP	PRDM8	cg01304890	0.0928523594245283	276	1.54082931526673	0.12451661859072	0.0086215606507018	0.277644761378488
KIRP	PRDM8	cg02895669	0.0590363112959599	276	0.977144247840077	0.329362820899896	0.00348528605143348	0.529061558725718
KIRP	PRDM8	cg04343891	0.0754721549289853	276	1.25057139542053	0.212161678907376	0.00569604616962475	0.398342524278281
KIRP	PRDM8	cg05007549	0.148861287795345	276	2.48730547309463	0.0134688961746878	0.0221596830040884	0.0537706202955765
KIRP	PRDM8	cg07462804	0.0316783699044614	276	0.523675396305972	0.600929173144269	0.00100351911980389	0.760837737607328
KIRP	PRDM8	cg08074201	0.0168312247043961	276	0.278136871875236	0.781117828416986	0.000283290125049874	0.879089717158936
KIRP	PRDM8	cg10695325	0.0419562475807346	276	0.693841943596335	0.488371287474407	0.0017603267110559	0.674373571661913
KIRP	PRDM8	cg11571772	0.0238018223394276	276	0.39338209359054	0.694344329496981	0.000566526746677674	0.824807562306649
KIRP	PRDM8	cg12572049	0.0403906802774481	276	0.66790860102946	0.504756186644578	0.00163140705327504	0.687953375798527
KIRP	PRDM8	cg14489346	0.0305476069195266	276	0.504964961084505	0.613990827008897	0.000933156288509907	0.77041246465798
KIRP	PRDM8	cg15656813	-0.00047439222020580	276	-0.0078382467415923	0.993751772642052	2.25047978591795e-07	0.996747880611776
KIRP	PRDM8	cg16117799	0.0589534039221562	276	0.97576721052022	0.330043667443971	0.0034755038340089	0.529750491368071
KIRP	PRDM8	cg18624348	0.0396689573873914	276	0.655955061276314	0.512405485000002	0.00157362618020267	0.694291850421353
KIRP	PRDM8	cg19595012	0.0430598108411134	276	0.712125336827032	0.476995295484029	0.00185414730967247	0.664675428382835
KIRP	PRDM8	cg20142271	0.0675832737478998	276	1.11921788249901	0.264030968570557	0.00456749889048356	0.45955189950546
KIRP	PRDM8	cg26162932	-0.00206433924838571	276	-0.0341085548088691	0.97281551158693	4.26149653242568e-06	0.985688331765356
KIRP	PRKAA1	cg00301775	-0.109611017676413	276	-1.82204989116373	0.0695414797455794	0.0120145751960589	0.183511189800801
KIRP	PRKAA1	cg01883943	-0.131534601758246	276	-2.19235640916324	0.0291980162356682	0.0173013514597004	0.0967818709939518
KIRP	PRKAA1	cg03125217	0.0886585042263925	276	1.47067028005798	0.142531935056241	0.00786033037166125	0.305004383445156
KIRP	PRKAA1	cg05874655	0.178366590360482	276	2.99512931907844	0.00299509679957339	0.031814640556824	0.0164397488482334
KIRP	PRKAA1	cg06971720	-0.150527837879573	276	-2.51579358816553	0.0124506652708975	0.0226586299766989	0.0505974535905658
KIRP	PRKAA1	cg10786880	-0.112914227225561	292	-1.93189684747035	0.0543496306520089	0.0127496227099455	0.153346698351312
KIRP	PRKAA1	cg24728477	0.0510428786754906	276	0.844467560720381	0.399147594442395	0.00260537546348085	0.595742449676752
KIRP	PRKCD	cg02121118	0.0316725811256111	276	0.523579605853458	0.600995721571793	0.00100315239515841	0.760861305292047
KIRP	PRKCD	cg02559423	-0.00530787422080344	276	-0.0877017106236229	0.930178055704845	2.81735287438697e-05	0.963030148451651
KIRP	PRKCD	cg02630105	0.0422696259029606	292	0.719226456216963	0.472582562562153	0.00178672127397624	0.660594898243763
KIRP	PRKCD	cg10531918	-0.327776845835303	276	-5.73245053749026	2.61690743807026e-08	0.10743766066574	6.55018330879143e-07
KIRP	PRKCD	cg13469346	0.0131471378681923	276	0.217245143834392	0.828179575693572	0.000172847234125255	0.90761994662965
KIRP	PRKCD	cg13889007	0.216973575952177	276	3.67247955668146	0.00028897428244578	0.0470775326614752	0.00236885830648968
KIRP	PRKCD	cg13908523	0.00704059423601756	292	0.119693068639806	0.904809453798428	4.95699671962437e-05	0.94958316156046
KIRP	PRKCD	cg14727059	-0.10579666601084	276	-1.75791359553923	0.0798828693013196	0.0111929345390093	0.202826721969609
KIRP	PRKCD	cg21903826	0.010002701774491	276	0.165280025733636	0.868845902408928	0.000100054042789405	0.930467197103606
KIRP	PRMT1	cg07702240	-0.025872949816164	276	-0.427634444384814	0.669254405164297	0.000669409532189743	0.808271139742157
KIRP	PRMT1	cg08377944	-0.00880379716441892	276	-0.145468239402448	0.884448535324474	7.75068445122306e-05	0.938737586093822
KIRP	PRMT1	cg11787855	-0.0205028290004139	276	-0.338833555954835	0.734995589432125	0.000420365997020212	0.850598360809976
KIRP	PRMT1	cg14258555	0.012898171936715	276	0.213130504852818	0.831384240765668	0.000166362839309062	0.909651953567734
KIRP	PRMT1	cg14576628	-0.00688396968388686	292	-0.117030257634628	0.906917363575363	4.73890386086734e-05	0.950832595005213
KIRP	PRMT1	cg18880319	0.073798133180108	276	1.22267927603041	0.222505340895526	0.00544616446086896	0.411100967204267
KIRP	PRMT1	cg22292364	-0.0810049064581158	276	-1.34283366163336	0.18044123092449	0.0065617948702881	0.357549969963945
KIRP	PRMT1	cg24228123	0.0713175366419289	276	1.181367252600026	0.23848496490206	0.00508619103267287	0.430167621776318
KIRP	PRMT1	cg25595446	-0.0103945562538923	292	-0.176717003427397	0.859854461714211	0.000108046799715331	0.925481304917936
KIRP	PRMT1	cg26846726	-0.0389722606522266	276	-0.644416992970808	0.519846151772954	0.00151883710034509	0.700291028508742
KIRP	PRMT2	cg04493422	0.125183527014162	276	2.08477095688712	0.0380193612243793	0.0156709154357054	0.117920348739708
KIRP	PRMT2	cg06725035	-0.160767522204189	290	-2.75946888455297	0.00616184886255488	0.0258461961956745	0.0293022110406256
KIRP	PRMT2	cg09031657	-0.137914807261765	276	-2.30071197588523	0.0221618252618986	0.0190204940620497	0.0786598833551973
KIRP	PRMT2	cg10187059	-0.0538043941529314	276	-0.89028407102648	0.37409725877125	0.002894912830164	0.572737727527417

KIRP	PRMT2	cg10657630	0.0212484106160042	275	0.350516902625011	0.726222105212294	0.000451494953706322	0.844933110859837
KIRP	PRMT2	cg12162201	-0.166551659215152	276	-2.7908658147973	0.00562751568021665	0.0277394551873203	0.0272628568206983
KIRP	PRMT2	cg13271076	0.188464120412795	292	3.26235113196005	0.00123741134276326	0.0355187246829683	0.00801792253864113
KIRP	PRMT2	cg17243659	-0.115215217980483	275	-1.91291702384716	0.0568086431439547	0.0132745464542902	0.15822461010135
KIRP	PRMT2	cg23283320	-0.240020107513845	275	-4.07771307058001	5.97733290775337e-05	0.0576096520109577	0.000620083526104502
KIRP	PRMT3	cg01769160	-0.0101036002451599	276	-0.166947394836441	0.867535029757572	0.000102082737913995	0.929613632487508
KIRP	PRMT3	cg04101203	-0.0531746861094933	276	-0.879834772959471	0.379722646513554	0.00282754724284314	0.578209469022205
KIRP	PRMT3	cg06578097	-0.0341412859975383	276	-0.564435680386894	0.572921106700163	0.00116562740956571	0.740460934586532
KIRP	PRMT3	cg13432154	-0.113478108440091	276	-1.88715615452111	0.060200165960604	0.012877281095141	0.165070378581623
KIRP	PRMT3	cg13982511	-0.0803931935110047	276	-1.33262696282425	0.183765442172628	0.00646306556289785	0.362039375196329
KIRP	PRMT3	cg19653624	-0.0871823247213342	276	-1.44599421955223	0.149325862241395	0.00760075774381616	0.314765388884764
KIRP	PRMT3	cg23019633	-0.113152570517877	276	-1.88167209910565	0.0609444139792234	0.0128035042148032	0.166489087372255
KIRP	PRMT3	cg23071995	-0.0131713543612348	276	-0.21764536991962	0.827868014200149	0.000173484575709218	0.907457472723879
KIRP	PRMT6	cg00944433	-0.0733452270603044	276	-1.21513486710252	0.22536451833754	0.0053795223325276	0.414762416360317
KIRP	PRMT6	cg02990361	-0.158215764560515	276	-2.64749987178444	0.00858037917597887	0.0250322281554685	0.0379154795578586
KIRP	PRMT6	cg02993280	-0.180224430109722	276	-3.02736787783724	0.00270271404577342	0.0324808452083739	0.0151556515964944
KIRP	PRMT6	cg09367891	-0.181155941501912	276	-3.04354470648932	0.00256610031539959	0.0328174751414443	0.0145344197211751
KIRP	PRMT6	cg14671364	-0.0821155208447231	276	-1.36136866206248	0.174519748538898	0.00674295876360015	0.34988504285326
KIRP	PRMT6	cg14828511	-0.071754248606272	276	-1.18863866306476	0.235614820351656	0.00514867219305069	0.426888276451105
KIRP	PRMT6	cg22528358	0.218845347077249	276	3.7057475236677	0.000255147463759306	0.0478932859373617	0.00212880113638904
KIRP	PRMT7	cg00894222	-0.0861004382838324	276	-1.42791533172984	0.15445916888055	0.00741328547266803	0.322015183810627
KIRP	PRMT7	cg02477175	0.0964951999265993	276	1.60183741785256	0.110347991990682	0.00931132360887437	0.255594941014802
KIRP	PRMT7	cg06089844	-0.0116348432794763	276	-0.192252173493216	0.847687608400295	0.000135369578137975	0.918722882847247
KIRP	PRMT7	cg06092312	-0.0414081259674258	276	-0.684761834436225	0.49407516272568	0.0017146328961342	0.679319579982337
KIRP	PRMT7	cg06745885	-0.0825779775731364	276	-1.36908808616032	0.172097066106134	0.00681912238006942	0.346483415130967
KIRP	PRMT7	cg09175928	-0.151953349503705	276	-2.5401787796364	0.0116341437195428	0.0230898204253953	0.0479702892962029
KIRP	PRMT7	cg09779635	-0.0840444778639025	276	-1.3935731287639	0.16457999129464	0.007063474259416	0.336230884287276
KIRP	PRMT7	cg10233539	-0.0341994478905308	276	-0.565398358135494	0.572267206317595	0.00116960223601713	0.739886239791773
KIRP	PRMT7	cg10446007	-0.0373804019496007	276	-0.618057557612378	0.537052658311164	0.00139729444991371	0.713033322535733
KIRP	PRMT7	cg11893236	-0.0786999410293286	292	-1.34206160351108	0.180629421321833	0.0061936807180198	0.357770433642952
KIRP	PRMT7	cg19328639	0.0605706115271466	276	1.0026316652901	0.31692646516129	0.0036687989807725	0.516156405857356
KIRP	PRMT7	cg21918026	-0.00792789991275706	292	-0.134778534106481	0.892880796145481	6.28515970266934e-05	0.943222019714917
KIRP	PRMT7	cg26492318	0.0333418850951427	276	0.551204820266225	0.581944109499092	0.0011116813016977	0.747219041285629
KIRP	PRMT7	cg26561196	0.100603978632523	276	1.67072687859665	0.0959216066489888	0.0101211605166931	0.231163128801295
KIRP	PRMT7	cg26796563	0.100910974470476	276	1.67587751742148	0.0949070273973036	0.0101830247685811	0.229391576752185
KIRP	PRMT8	cg01693063	0.039371710087978	275	0.651032201107721	0.515573294544783	0.00155013155525179	0.696876658450248
KIRP	PRMT8	cg06029846	0.0486740387232947	275	0.805181474562817	0.421415669304946	0.00236916204563679	0.616544170777847
KIRP	PRMT8	cg07912789	-0.010564914513211	275	-0.174570778864401	0.861546302248636	0.000111617418671457	0.926450473254594
KIRP	PRMT8	cg10350722	-0.0306187532816532	275	-0.506142143106874	0.613165341836214	0.000937508052522751	0.7696994594873
KIRP	PRMT8	cg11596580	0.125266424516921	275	2.08617350950904	0.0378911111053397	0.0156916771112535	0.117663304220373
KIRP	PRMT8	cg19656577	0.0411258424518338	275	0.68008580568385	0.497026435851835	0.00169133491737305	0.681538348602792
KIRP	PRMT8	cg21667836	0.0234547604507331	291	0.3988406490178	0.690305157417722	0.000550125787801275	0.822027818020052
KIRP	PRMT8	cg23739862	0.0125864836516369	291	0.213987172627192	0.830707955790955	0.000158419570712924	0.90919967799884
KIRP	PRMT8	cg24100636	0.076187321113211	275	1.26249053818524	0.207849696520477	0.00580450789840753	0.39287651024353
KIRP	PRMT8	cg27316886	0.0630255036803359	275	1.04342664247018	0.29767381679988	0.00397221411416003	0.495808609260692
KIRP	PWWP2E	cg00259755	-0.0861950647755823	292	-1.47078996992068	0.142435861261565	0.00742958919166683	0.304888713708571
KIRP	PWWP2E	cg05010219	-0.131777282195739	276	-2.19647270641294	0.028898992449106	0.0173652521028954	0.0960345245017409
KIRP	PWWP2E	cg15012692	-0.132971521930538	276	-2.21673503370991	0.0274653942765792	0.0176814256445235	0.0924353399243867
KIRP	PWWP2E	cg15278699	-0.179892337834003	276	-3.02160272973377	0.00275299429557848	0.032361253211383	0.0153722680326035
KIRP	PWWP2E	cg17803807	-0.172346020467938	16	-0.654655720412819	0.523299942308473	0.0297031507711349	0.702735882977571
KIRP	PWWP2E	cg19919881	-0.101675377107004	276	-1.68870442755976	0.0924179130370444	0.0103378823098514	0.225116921652122
KIRP	PWWP2E	cg22633292	-0.0429593279536026	276	-0.710460469622013	0.478025109025735	0.00184550385822518	0.665631225953104
KIRP	PWWP2E	cg22664157	0.0401594922457846	276	0.664079434764853	0.507199937033392	0.00161278481743923	0.689999273076852
KIRP	PWWP2E	cg24520806	-0.102130975762349	276	-1.69635094839271	0.0909593283175846	0.0104307362101695	0.222504559057235
KIRP	PYGO1	cg06364757	0.0523099626056934	276	0.865487369758024	0.387531268259392	0.00273633218780904	0.585440671381421
KIRP	PYGO1	cg09275667	0.146019895752704	276	2.43878436726908	0.0153743124731693	0.0213218099556306	0.0595305990014303
KIRP	PYGO1	cg11480800	0.137894628342626	276	2.30036882314296	0.0221815317685505	0.0190149285257511	0.0787078125525734

KIRP	PYGO1	cg12686317	0.101513729299136	276	1.68599167669738	0.092939890671927	0.0103050372362183	0.226027443257843
KIRP	PYGO1	cg13878116	0.0628971511212201	276	1.0412932370827	0.298660750380188	0.0039560516191656	0.496867355597108
KIRP	PYGO1	cg17841803	0.140467949188845	276	2.34415316764867	0.0197875225456141	0.0197312447493199	0.0722360642380807
KIRP	PYGO1	cg19850348	0.109384694518935	292	1.87076535067809	0.0623881037077988	0.0119650113950008	0.169380196127748
KIRP	PYGO1	cg22510134	-0.00504648743819022	276	-0.0833827185075619	0.933608336439886	2.54670354638117e-05	0.964658346726053
KIRP	PYGO1	cg23030278	0.130100767461543	276	2.16804415644199	0.0310193143690338	0.0169262096940824	0.10116616534711
KIRP	PYGO1	cg23412777	-0.0951459450225958	292	-1.62485247853574	0.105284040707497	0.00905275085424282	0.247127832504598
KIRP	PYGO1	cg25902187	0.156766257058766	276	2.62263056571059	0.00921555642061811	0.0245756593522151	0.0400354607798942
KIRP	PYGO2	cg01277844	-0.0230285020325361	292	-0.391588380312738	0.695650949750114	0.000530311905862517	0.825527724580281
KIRP	PYGO2	cg02341811	0.00274851317527574	276	0.0454130621717614	0.963811270153961	7.55432467466434e-06	0.980956279375411
KIRP	PYGO2	cg04602755	0.0636924355796844	276	1.0545128555744	0.292580539435614	0.00405672635007225	0.490266138172201
KIRP	PYGO2	cg10892866	0.0203845754842462	292	0.346609804259723	0.729136710964624	0.000415530917672932	0.846780839172095
KIRP	PYGO2	cg14024356	-0.135335083425263	276	-2.25686598152621	0.0248072406999183	0.0183155848057228	0.0856989423602044
KIRP	PYGO2	cg18188585	-0.051214760757634	276	-0.847318691452614	0.397559713913858	0.00262295171946168	0.594149917584034
KIRP	PYGO2	cg24683561	-0.0679137475803434	276	-1.1247160164488	0.261697295360244	0.0046122771104066	0.457068911973765
KIRP	PYGO2	cg27105205	0.0322449972837631	276	0.533051981775912	0.594431253142288	0.00103973984982989	0.756052333185389
KIRP	RBBP4	cg05797186	-0.108662964327383	276	-1.80610138617449	0.0720037752919126	0.0118076398164141	0.188176897069206
KIRP	RBBP4	cg06526778	-0.0966580866291979	276	-1.60456684494556	0.109745340905928	0.00934278571081753	0.254555265524786
KIRP	RBBP4	cg09036220	-0.144088109025082	276	-2.40583145882927	0.016800848245961	0.0207613831624239	0.0636569836570373
KIRP	RBBP4	cg11229946	-0.0786301603123246	276	-1.30321841721955	0.193598252848787	0.00618270211074186	0.374689296468768
KIRP	RBBP4	cg13641837	-0.0171162703486039	274	-0.281810654862967	0.778303779824717	0.000292966710646498	0.877332738001304
KIRP	RBBP4	cg16148416	-0.0844380401123507	276	-1.40014568426025	0.162605129819618	0.00712978261801495	0.333242352432598
KIRP	RBBP4	cg16396527	-0.263998979692357	276	-4.52242113454711	9.12414944597779e-06	0.0696954612786057	0.000120797154867324
KIRP	RBBP4	cg18758482	-0.0384753020764988	292	-0.654564806873723	0.513268574010379	0.00148034886987783	0.694952928267952
KIRP	RBBP4	cg20740619	0.238626210198828	276	4.06004057184869	6.41405399383462e-05	0.0569424681938553	0.000659845168469148
KIRP	RBBP4	cg22358606	0.130073143094158	276	2.15563323322417	0.0319960240257407	0.0169190225543934	0.103539879078972
KIRP	RBBP4	cg22857567	-0.0810733771966773	276	-1.34397622076924	0.180071924952077	0.00657289249007472	0.357141084615991
KIRP	RBBP4	cg23016766	0.0317184079877639	276	0.524337932322549	0.600468981663614	0.00100605740527825	0.760567217103736
KIRP	RBBP4	cg26131911	0.0153949787744177	292	0.26174565856667	0.793703988039924	0.000237005371464771	0.88698315117374
KIRP	RBBP5	cg00960017	-0.152157993301174	276	-2.54368080029172	0.0115208899643654	0.0231520549254401	0.0476301277508552
KIRP	RBBP5	cg02189925	0.131632595076002	276	2.19401850397546	0.0290769544916446	0.0173271400864426	0.096502243930162
KIRP	RBBP5	cg03143531	-0.0819853667879477	276	-1.35919626329298	0.175206134384927	0.00672160036735431	0.350802737034648
KIRP	RBBP5	cg05290904	-0.0286862173437511	292	-0.487866468586944	0.626014334952317	0.000822899065492926	0.778748308144309
KIRP	RBBP5	cg07601985	0.122768825847267	276	2.04393567786862	0.0419194509225366	0.0150721845999166	0.126688231423325
KIRP	RBBP5	cg07972983	0.0316511006749484	276	0.523224156202603	0.601242692080711	0.00100179217393572	0.761008004746459
KIRP	RBBP5	cg14717946	-0.0247192838627623	292	-0.420356273169691	0.674537582370277	0.000611042994687822	0.81181457285186
KIRP	RBBP5	cg18131828	-0.218206997886656	276	-3.69439700478125	0.000266245298629831	0.0476142939267072	0.00220883936883962
KIRP	RBBP5	cg21214746	-0.0985167520594054	276	-1.63572102681549	0.103050357657993	0.00970555043633435	0.243335848342568
KIRP	RBBP5	cg23227967	-0.00249015574874361	276	-0.0411442529452024	0.967210969867618	6.20087565300086e-06	0.982775902722455
KIRP	RBBP5	cg24103461	-0.129236206464176	276	-2.15339126190777	0.032163702033501	0.0167019970612511	0.103974362601046
KIRP	RBBP5	cg26795850	-0.279292729181734	276	-4.80591998533541	2.54616054310656e-06	0.0780044285737813	3.910681407511e-05
KIRP	RBBP7	cg01947226	0.252502359026944	276	4.2959171382391	2.42697737161258e-05	0.0637574413141715	0.000283489906377221
KIRP	RBBP7	cg03048084	0.0765590292318746	276	1.26868629370939	0.20563366820596	0.00586128495692702	0.389925061775813
KIRP	RBBP7	cg03171708	0.335407836212932	276	5.88260868988187	1.17841557637588e-08	0.112498416593041	3.17319700064331e-07
KIRP	RBBP7	cg03811055	0.14117607113898	276	2.35621012873398	0.0191694591198278	0.0199306830622383	0.0704092966368216
KIRP	RBBP7	cg07096248	0.0715442462254129	276	1.18514196278091	0.236991942849716	0.0051185791679625	0.428368484445521
KIRP	RBBP7	cg08363715	0.147615492857279	276	2.46602394572102	0.0142771567682846	0.0217903337314975	0.0561941378007555
KIRP	RBBP7	cg14719055	0.228323314795224	291	3.98680638499005	8.48829954348127e-05	0.0521315360790792	0.000835977686650946
KIRP	RBBP7	cg15289846	0.151060612550851	276	2.52490548915174	0.0121397709696284	0.0228193086642382	0.0496087273630967
KIRP	RBBP7	cg15464143	0.262884877456483	276	4.501915979793	9.9830880097503e-06	0.0691084587953102	0.000130722832625907
KIRP	RBBP7	cg16978043	0.106844922365403	276	1.77553152223828	0.076924160846185	0.011415837435269	0.197467024216074
KIRP	RBBP7	cg17878446	0.328521654964593	276	5.74705033517253	2.42318396478495e-08	0.107926477780675	6.11645598171578e-07
KIRP	RBBP7	cg17880859	0.0535375599169784	291	0.911445680783246	0.362820211683673	0.00286627032186406	0.561796850136734
KIRP	RBBP7	cg21122900	0.212715529852832	276	3.59695669704188	0.000382085060087401	0.045247896640571	0.00299074090479476
KIRP	RING1	cg01241018	-0.0898165104864593	276	-1.49003453179984	0.137369566984302	0.00806700555596426	0.297298433019164
KIRP	RING1	cg01878788	-0.0796900999067997	276	-1.32089740894652	0.187641706093418	0.00635051202315571	0.36698089056066
KIRP	RING1	cg02475416	-0.126077311229764	276	-2.09989534313918	0.0366557792816058	0.0158954884069268	0.114770976955375

KIRP	RING1	cg03037740	-0.104103229563301	276	-1.72946469410829	0.0848563014834722	0.0108374824055093	0.21182489788234
KIRP	RING1	cg06316695	0.0386850170805806	276	0.639660196802037	0.522929946779411	0.00149653054652481	0.702550942724217
KIRP	RING1	cg06671577	-0.0379392472536866	276	-0.627310876257016	0.530979777606646	0.00143938648217637	0.70872458350902
KIRP	RING1	cg07946923	-0.0481538569213228	276	-0.796556353363066	0.426400892185636	0.00231879393639923	0.621001778618567
KIRP	RING1	cg08892712	-0.0119768682049102	276	-0.197904534476117	0.843267037746533	0.000143445371997788	0.916260609108509
KIRP	RING1	cg09478665	-0.148055552608372	276	-2.47353997309131	0.0139869159073349	0.0219204466581704	0.055316208152314
KIRP	RING1	cg09724776	-0.165768147002407	276	-2.77736481865816	0.00585985848543278	0.0274790785606116	0.0281535221724158
KIRP	RING1	cg09832551	-0.159657724077019	276	-2.67225709505162	0.00798743148426814	0.0254905888574537	0.0358864709724029
KIRP	RING1	cg09869033	-0.00982382496867068	276	-0.162324060114042	0.871170748596798	9.65075370150775e-05	0.931584725787836
KIRP	RING1	cg10265934	-0.0949204061278917	276	-1.57545589538879	0.116309347238984	0.0090098834994839	0.26494595646129
KIRP	RING1	cg12065531	0.101621940506683	276	1.68780764707668	0.0925902057143506	0.0103270187923438	0.22543072306404
KIRP	RING1	cg12115664	-0.219462082365081	276	-3.71671847091081	0.0002448364557959	0.0481636055960174	0.00205622446747126
KIRP	RING1	cg12256228	0.0942000646271173	292	1.60855387563231	0.108805758191514	0.00887365217575307	0.252954222968075
KIRP	RING1	cg14046664	-0.137361917332884	276	-2.29131085719805	0.0227072807349406	0.018868296333366	0.0801456466355414
KIRP	RING1	cg14363494	0.0545802120252696	292	0.929248752593398	0.353535684261279	0.00297899954472338	0.552600396772988
KIRP	RING1	cg18189601	-0.033237602844109	291	-0.564372652847241	0.572939809943644	0.00110473824282272	0.740472805388597
KIRP	RING1	cg20505183	0.0187312104697551	276	0.309544697213443	0.757143350474268	0.000350858245662262	0.864589312635568
KIRP	RING1	cg24536938	-0.0116172489991726	276	-0.191961409323506	0.847915139418022	0.000134960474308776	0.918841470920135
KIRP	RING1	cg24550302	-0.100984013614397	276	-1.6771030066641	0.0946669066096309	0.0101977710056728	0.229010427663089
KIRP	RNF17	cg00202166	-0.294506879010917	275	-5.09188039559483	6.61593405050553e-07	0.0867343017847507	1.1861718679996e-05
KIRP	RNF17	cg01405147	0.0259024982368509	275	0.428123155619559	0.668899013652833	0.000670939414910063	0.807961515782191
KIRP	RNF17	cg07131398	-0.247340461996405	275	-4.20230938430603	3.59039858154808e-05	0.0611773041405951	0.000398959387591703
KIRP	RNF17	cg12020676	-0.201759864498693	275	-3.4036153458291	0.000764764758443051	0.0407070429225311	0.00536127868958446
KIRP	RNF17	cg14855529	-0.129566945804198	275	-2.15899616084845	0.0317217343248393	0.0167875934450281	0.102870507318627
KIRP	RNF17	cg15523998	-0.254943935355295	275	-4.3563159448664	1.87369020401731e-05	0.064996410174445	0.000226443771526057
KIRP	RNF17	cg17806989	-0.387204889330991	291	-7.13940144503988	7.61141266200352e-12	0.149927626321825	3.70307840292621e-10
KIRP	RNF17	cg20477497	-0.263763884630951	274	-4.5098100857507	9.65701133341278e-06	0.0695713868356095	0.000126880178968335
KIRP	RNF17	cg21831927	-0.232659683438864	275	-3.95263627502903	9.85141400800601e-05	0.0541305282978722	0.000951789494956309
KIRP	RNF17	cg23678722	-0.123634640028595	275	-2.05857327842289	0.0404839804235835	0.0152855242150003	0.123443290759374
KIRP	RNF17	cg24753530	-0.235943320859252	275	-4.01168611704745	7.78979560763505e-05	0.0556692506580917	0.000776723096001488
KIRP	RNF20	cg04845236	0.10236040185908	276	1.7002019196811	0.0902318290815261	0.0104776518687523	0.221204894323519
KIRP	RNF20	cg14625770	0.109649410844729	276	1.82269586100884	0.0694432314936187	0.0120229932985963	0.183311345393525
KIRP	RNF20	cg21219529	0.165499855464015	276	2.77274302985344	0.00594137228401468	0.0273902021586098	0.028455526409077
KIRP	RNF217	cg00991794	-0.103890407786169	276	-1.72589047369254	0.0854985813384473	0.0107932168299765	0.212902168197022
KIRP	RNF217	cg02312409	-0.0418674664555311	276	-0.692371165003459	0.489292760693902	0.00175288474740502	0.67526550099206
KIRP	RNF217	cg03113502	-0.126515653474436	276	-2.10731475438992	0.0360023204270087	0.0160062105740636	0.113262880754558
KIRP	RNF217	cg06993703	-0.0876059054508251	276	-1.45307387566463	0.1473517184272	0.0076747946698589	0.312063260162742
KIRP	RNF217	cg07439975	-0.0052735356031281	276	-0.0871343197224429	0.930628622562723	2.78101777574596e-05	0.963358079914365
KIRP	RNF217	cg10621825	0.00559457087830403	276	0.0924389280268007	0.926417108821994	3.12992233123675e-05	0.961235948561867
KIRP	RNF217	cg16203203	-0.101097281281994	276	-1.67900352546803	0.0942954898967479	0.0102206602826106	0.228346251860781
KIRP	RNF217	cg17382198	-0.0772580526623323	276	-1.28033929388546	0.201512613023101	0.00596880670117572	0.384858451058401
KIRP	RNF217	cg18192252	-0.0281739392482953	276	-0.465694738161763	0.641805324325811	0.000793770852766634	0.789630463145797
KIRP	RNF217	cg19171596	-0.0464619579358559	276	-0.768507475178276	0.442850036984838	0.00215871353523324	0.63514098659119
KIRP	RNF217	cg19478500	-0.143050167879346	276	-2.38813762211593	0.0176140310385408	0.0204633505303091	0.0660305479285005
KIRP	RNF217	cg20034100	0.146925417576416	292	2.52513595174454	0.0121003525917354	0.0215870783300042	0.0494814355299338
KIRP	RNF217	cg23521835	-0.0627889295497901	276	-1.03949447817242	0.299494578254038	0.0039424496740085	0.497775524947542
KIRP	RNF217	cg24822696	-0.0211237568411893	276	-0.349099638186547	0.727283615668098	0.000446213103085692	0.845714523128311
KIRP	RPA3	cg26322315	0.100789707286029	16	0.379050773336069	0.710337033648064	0.0101585650948034	0.834995386106653
KIRP	RPH3A	cg00851732	0.0467738500374615	276	0.773677623213059	0.439790886087735	0.00218779304732694	0.632384637963591
KIRP	RPH3A	cg00854817	-0.067191879981787	276	-1.11270669463401	0.266813245423288	0.00451474873548686	0.462539712857032
KIRP	RPH3A	cg01119407	-0.0360172495224816	276	-0.59548900008712	0.552009973183353	0.0012972422631647	0.724312910771585
KIRP	RPH3A	cg01573562	0.0123095856966525	292	0.20927881302402	0.834378031425257	0.000151525900023231	0.911203826443411
KIRP	RPH3A	cg05967001	0.112000251981069	276	1.86226490610615	0.0636399989704293	0.012544056443823	0.171834861707215
KIRP	RPH3A	cg08254200	0.0478482186946571	276	0.791488877154614	0.42934589426654	0.00228945203225173	0.623416882565679
KIRP	RPH3A	cg09384610	-0.0535725384314963	276	-0.886436562380844	0.376162511315615	0.00287001687399415	0.574692685493857
KIRP	RPH3A	cg11596863	-0.0724822347566875	276	-1.2007614224978	0.230884571149632	0.00525367435532356	0.421293670028954
KIRP	RPH3A	cg16403344	-0.0148612518466811	276	-0.245575298885365	0.806195526437583	0.000220856806450483	0.89489854577694

KIRP	RPH3A	cg17453780	-0.0636137958999536	276	-1.0532055777912	0.293178056017536	0.00404671502880095	0.490853194658951
KIRP	RPH3A	cg18629535	0.0288131477814288	276	0.476269072028987	0.634263636871542	0.000830197485074456	0.784599690986909
KIRP	RPH3A	cg19712198	-0.0435483170100559	276	-0.720219540844481	0.472006021257268	0.00189645591440832	0.660109237005859
KIRP	RPH3A	cg20704159	-0.0384369608531577	276	-0.635552476699435	0.52560053002152	0.00147739995962718	0.704466098784541
KIRP	RPH3A	cg21900624	-0.0589125767969111	276	-0.975089106087537	0.330379278082275	0.00347069170485194	0.530119823210909
KIRP	RPH3A	cg23199238	-0.00188574882768047	269	-0.0307556873153941	0.975487443513888	3.55604864109826e-06	0.98709751922787
KIRP	RPH3A	cg23549179	0.0567034405354722	276	0.938404428252672	0.348866086598206	0.00321528016855984	0.547966571249008
KIRP	RPH3A	cg23596620	-0.00117068102198529	276	-0.0193428382054858	0.984581739611721	1.37049405523651e-06	0.99189844047809
KIRP	RTF1	cg04910470	-0.180106758100398	276	-3.02532496019319	0.00272043385578502	0.0324384443134354	0.0152374851592584
KIRP	RTF1	cg07091958	-0.221174415601941	292	-3.85544805777792	0.000142418725229245	0.0489181221168599	0.00130298980483169
KIRP	RTF1	cg07129439	0.0841773904199204	276	1.39579271711044	0.163911048575024	0.00708583305790771	0.335175118247209
KIRP	RTF1	cg15581235	0.2421159090046	276	4.12308409781125	4.96480901155205e-05	0.0586201133931235	0.000526528526981329
KIRP	RTF1	cg18782716	0.243574581029321	276	4.14948608249787	4.45572583560437e-05	0.0593285765236092	0.000480427908045747
KIRP	RTF1	cg22263512	0.136471329331808	276	2.2761722417078	0.0236102903250062	0.0186244237295908	0.0825797556669155
KIRP	RTF1	cg24280607	-0.0576464575091762	276	-0.954062342760002	0.340896082902235	0.00332311406335726	0.540192641234008
KIRP	RTF1	cg27576415	0.232660208505071	276	3.95264570583181	9.85104676044219e-05	0.0541307726216229	0.000951789494956309
KIRP	SATB1	cg01069104	-0.128438349994478	276	-2.13987333189548	0.0332515282412101	0.016496409749304	0.10659617538207
KIRP	SATB1	cg01373248	-0.0342936504138767	276	-0.566957581508845	0.571208858307003	0.00117605445870918	0.739115701926608
KIRP	SATB1	cg04004754	-0.281316478108829	276	-4.84372463793726	2.13796933081147e-06	0.0791389608555553	3.34717621495568e-05
KIRP	SATB1	cg14415616	-0.114060849875378	276	-1.89697463361718	0.058886615046433	0.0130098774742935	0.162407392878442
KIRP	SATB1	cg19818826	-0.220906488546734	276	-3.74243099408046	0.000222189559001467	0.0487996766820482	0.00189591033815511
KIRP	SATB1	cg26131754	-0.0588046072400227	276	-0.973295845626349	0.33126787690456	0.00345798183265333	0.530904176244701
KIRP	SATB1	cg26768584	-0.131028395829132	276	-2.18377153500583	0.0298302788877128	0.0171684405135556	0.0982515869965508
KIRP	SCML2	cg00457389	-0.0490236988414701	275	-0.810979548723415	0.418083856611986	0.00240332304809916	0.613494587216314
KIRP	SCML2	cg04189389	0.0989646700044468	275	1.64323141425423	0.101486247760715	0.00979400590908905	0.240811992017601
KIRP	SCML2	cg05049545	-0.00123886401183813	275	-0.020469408539144	0.983683867910461	1.53478403982768e-06	0.99146197920873
KIRP	SCML2	cg06131666	0.0875382880297362	275	1.45194367644112	0.147665518904841	0.00766295187117706	0.312424827168778
KIRP	SCML2	cg08300622	0.0641367409524772	291	1.09257407539287	0.275490776153027	0.00411352154000517	0.471914595500255
KIRP	SCML2	cg17710066	0.107876538666417	275	1.7928756283064	0.0740997676130896	0.011637347594647	0.192150577389756
KIRP	SCML2	cg17727916	0.0321906404859256	275	0.532152459903466	0.595053214554842	0.00103623733489411	0.756497087414685
KIRP	SCML2	cg22823767	0.0355172622103055	275	0.587211975570326	0.557546673566001	0.0012614759149156	0.72879970970517
KIRP	SCML2	cg26246138	0.0222101501110427	291	0.377665712882778	0.705956153951227	0.000493290767955052	0.832306032227326
KIRP	SCML4	cg00977377	-0.0479211798110585	276	-0.79269855082865	0.42864180531233	0.0022964394744838	0.622796320691558
KIRP	SCML4	cg03500965	-0.358348151821102	276	-6.27199244825474	1.42917628524267e-09	0.128413397913599	4.59047646301272e-08
KIRP	SCML4	cg05603896	-0.393312030766728	276	-7.06824621830608	1.31178489815157e-11	0.154694353545847	6.10706130262139e-10
KIRP	SCML4	cg08792995	-0.355900768843266	276	-6.29245192023193	1.23883486529919e-09	0.126665357263228	4.02732634814398e-08
KIRP	SCML4	cg17388996	-0.34282930548427	276	-6.02989518210523	5.31069497532431e-09	0.117531932698827	1.53355681110014e-07
KIRP	SCML4	cg23503775	-0.390398918526835	276	-7.00643914715693	1.90917189756958e-11	0.152411315586923	8.59861957873348e-10
KIRP	SCML4	cg27353361	-0.307235407270819	276	-5.33436643299865	2.01468917782205e-07	0.0943935954808662	4.08365632880377e-06
KIRP	SCML4	cg27659622	-0.329407763151085	276	-5.76443554493689	2.2107051085672e-08	0.108509474424202	5.64237510550777e-07
KIRP	SETD1A	cg26692825	-0.0910735844278039	276	-1.51106229832551	0.131929195242	0.00829439778052833	0.289026411132747
KIRP	SETD6	cg01152986	0.0282426130568803	276	0.466830771353346	0.640993295823023	0.000797645192280667	0.78904379785523
KIRP	SETD6	cg01472538	-0.136195639173556	276	-2.27148707810288	0.0238960343300866	0.0185492521298935	0.0833206980715682
KIRP	SETD6	cg01773760	-0.102962871489121	276	-1.71031582196676	0.0883435812818782	0.0106013529052852	0.218052657831204
KIRP	SETD6	cg02549819	0.0051954445025538	273	0.085371016711936	0.932029703903592	2.69926435791165e-05	0.963936223367448
KIRP	SETD6	cg05502081	0.117041979824236	276	1.94723428580358	0.0525318869445824	0.0136988250411768	0.149574175132378
KIRP	SETD6	cg09132913	-0.133398114497792	276	-2.2239752865698	0.0269683057520872	0.0177950569515661	0.0911835435012098
KIRP	SETD6	cg19824325	-0.0626019033990927	292	-1.06632386967522	0.287167258897691	0.00391899830918933	0.48462784429978
KIRP	SETD6	cg26666090	-0.141460356888604	276	-2.36105160626076	0.0189260902908903	0.0200110325710512	0.0697602744759065
KIRP	SETD7	cg05316864	0.0196052336120936	276	0.323993893614686	0.746190738797923	0.000384365184984763	0.857523005495991
KIRP	SETDB1	cg02060408	-0.25763461751162	276	-4.40554298754051	1.51718797880604e-05	0.0663755961403587	0.000188332729572742
KIRP	SETDB1	cg08531528	-0.106852426320734	276	-1.77565766188754	0.0769033055872889	0.011417441010628	0.197426517336817
KIRP	SETDB1	cg10589385	-0.0422337130411269	276	-0.698438637945938	0.485497438464619	0.00178368651724025	0.672090321871958
KIRP	SETDB1	cg10961700	-0.107879226247142	276	-1.79292082103287	0.0740925210823825	0.011637927455682	0.192144595809149
KIRP	SETDB1	cg12082615	-0.0914666983821932	292	-1.56147938220551	0.119505033166588	0.0083661569129391	0.270003907706828
KIRP	SETDB1	cg15448220	-0.0351734745716407	276	-0.581521010255227	0.561369199556219	0.00123717331344186	0.731853390371975
KIRP	SETDB1	cg16370685	-0.106268530709854	275	-1.76260632267619	0.0790899558459705	0.0112930006192311	0.20136553837609

KIRP	SETDB1	cg17899625	-0.0425220836650978	276	-0.70321616672944	0.482520313034908	0.00180812759922158	0.669505863203625
KIRP	SETDB1	cg17918089	-0.147056895317779	292	-2.52744551973889	0.0120228050442533	0.0216257304605043	0.049210885805148
KIRP	SETDB1	cg19689029	-0.210563095934649	276	-3.5588620457448	0.000439121369892366	0.0443368173695842	0.0033583738197077
KIRP	SETDB1	cg26820223	-0.135380045980449	276	-2.25762977949887	0.0247589012318438	0.0183277568496686	0.0855661467094651
KIRP	SETMAR	cg00300090	-0.0450264626036661	276	-0.744714551427672	0.457084889196655	0.00202738233459935	0.647330301717123
KIRP	SETMAR	cg02520519	0.05254859848826	276	0.869446595291571	0.385366673898547	0.00276135520308036	0.583405046348312
KIRP	SETMAR	cg06021447	-0.0127309251501076	276	-0.210366453604669	0.833538595085452	0.000162076455177643	0.91070898943959
KIRP	SETMAR	cg06267913	-0.106588497012487	276	-1.77122125921012	0.0776395866619991	0.011361107695381	0.198674188506416
KIRP	SETMAR	cg14751177	-0.0720292780393003	276	-1.19321835389583	0.233819803758774	0.00518821689486284	0.4247367910524
KIRP	SETMAR	cg14961031	-0.200241897958968	276	-3.37693390733263	0.000839607869357979	0.0400968176982098	0.00580023573295752
KIRP	SETMAR	cg15232450	-0.111236596109898	292	-1.90283119497397	0.0580562646301806	0.0123735803141167	0.160704136444644
KIRP	SETMAR	cg15384599	-0.0972205813564766	292	-1.66061645731874	0.0978750060281802	0.00945184143929128	0.234439738893354
KIRP	SETMAR	cg16423812	-0.116198887880109	276	-1.9330150281228	0.0542684033252195	0.0135021815445742	0.153195303297849
KIRP	SETMAR	cg21901604	-0.149189708246033	276	-2.49291779021434	0.0132626344809387	0.0222575690465364	0.0531393380104111
KIRP	SETMAR	cg22149154	-0.0940270798442176	276	-1.56049588521172	0.119801199949561	0.00884109174403088	0.270413885068219
KIRP	SETMAR	cg23182840	-0.163109169257124	276	-2.7315871106623	0.00671381418765982	0.0266046010957492	0.031340801735062
KIRP	SETMAR	cg23549342	-0.232028844264985	276	-3.94130830252648	0.000103020492022533	0.0538373845709448	0.000988647509016086
KIRP	SETMAR	cg24390964	-0.085273851877819	276	-1.41410607388939	0.158470148381048	0.00727162981408021	0.327618620097085
KIRP	SETMAR	cg26797270	-0.114641271745997	276	-1.90675600289904	0.057601906428725	0.0131426211875395	0.159813033102672
KIRP	SETMAR	cg27265118	-0.100262452890673	276	-1.66499747889895	0.0970604275588955	0.0100525594596545	0.233054072703377
KIRP	SFMBT2	cg09060610	0.0882773454102683	276	1.46429783771603	0.144263142199927	0.00779288971268381	0.307499435139905
KIRP	SFMBT2	cg12328063	-0.0902861245586049	276	-1.49788917878763	0.135317379451443	0.00815158428781192	0.29413831925916
KIRP	SFMBT2	cg20299663	0.0506647602694334	276	0.838195705383058	0.402654059733354	0.00256691793315915	0.599189060622303
KIRP	SFMBT2	cg25291138	-0.0560431746704995	276	-0.927442833592811	0.35451587169867	0.00314083742714812	0.553477536834774
KIRP	SHPRH	cg00571935	-0.0873908176892143	276	-1.44947883646891	0.148351664157553	0.00763715501638948	0.313363636304887
KIRP	SHPRH	cg02758840	-0.00856806342436168	276	-0.141572837937377	0.887521837513061	7.34117108438843e-05	0.94024231707554
KIRP	SHPRH	cg06708562	-0.0905712239693911	276	-1.50265817098413	0.134083050966578	0.0082031466113136	0.29229549030135
KIRP	SHPRH	cg11387577	-0.0941077375792157	276	-1.56184645614527	0.119482607863672	0.00885626627227853	0.269961122422718
KIRP	SHPRH	cg11675148	0.0272112777608678	276	0.449770643839915	0.65323273434244	0.000740453637379098	0.797500273095985
KIRP	SHPRH	cg12989205	-0.00083601398733119	276	-0.013813222868399	0.988989082354249	6.98919387013403e-07	0.994241844754874
KIRP	SHPRH	cg14102550	-0.0327483814418103	276	-0.541382445735086	0.588685524391032	0.0010724564870583	0.752187794567965
KIRP	SHPRH	cg15443174	0.0738667653827341	276	1.22382260217385	0.222074332171816	0.00545629902810789	0.410581804714554
KIRP	SHPRH	cg16339435	-0.00516809561725408	276	-0.0853920940068398	0.932012268455803	2.67092123090808e-05	0.963931006039123
KIRP	SHPRH	cg18099523	-0.021414481120268	276	-0.353906453026369	0.723682163070258	0.000458580001650315	0.843442952506257
KIRP	SHPRH	cg26814539	0.121194236549279	276	2.01732752501101	0.0446398772446403	0.0146880429727626	0.132815030801604
KIRP	SHPRH	cg27398948	-0.0119559896159758	276	-0.197559489461001	0.843536748096008	0.000142945687697322	0.916394556290143
KIRP	SIN3A	cg01088093	0.00414836101082709	276	0.0685427625435027	0.945403756273332	1.72088990761503e-05	0.970816553887196
KIRP	SIN3A	cg01664094	0.0463977901180926	276	0.767443811218871	0.443480915572655	0.00215275492784257	0.635656098259503
KIRP	SIN3A	cg02028562	-0.0514948640122664	276	-0.85196512585935	0.394980194569641	0.00265172101964181	0.59160371327798
KIRP	SIN3A	cg07544511	0.0356396935319786	276	0.589238720045138	0.556188426041381	0.00127018775505336	0.727603552824486
KIRP	SIN3A	cg10483776	0.164817859979146	276	2.76099731710855	0.00615317325825658	0.0271649269681054	0.0292726478479056
KIRP	SIN3A	cg11184237	-0.15779013964806	276	-2.64019558154507	0.00876272590528527	0.0248977281701544	0.0385134180268792
KIRP	SIN3A	cg15851274	-0.0879444069263083	276	-1.45873210243192	0.145788410151105	0.0077342187096201	0.309772180283661
KIRP	SIN3A	cg22059910	0.135059949921885	276	2.25219248132569	0.0251048123236744	0.0182411900729021	0.0865003639586472
KIRP	SIN3A	cg25697800	-0.118441095825086	276	-1.97084066219579	0.0497521850575683	0.0140282931802472	0.143780284719658
KIRP	SIN3B	cg06815056	-0.0336449827246725	276	-0.556221253917384	0.57851521755481	0.00113198486254351	0.744751330913517
KIRP	SIRT1	cg02720207	-0.193297289907287	276	-3.25518745778769	0.00127607807217465	0.0373638422855019	0.00821985737739129
KIRP	SIRT1	cg03211233	-0.0739130573378556	276	-1.22459377777478	0.221783955727619	0.00546314004502913	0.410266015112251
KIRP	SIRT1	cg07832903	-0.202816967098023	276	-3.42221122427799	0.000716337067380869	0.0411347221428407	0.00508270027543117
KIRP	SIRT1	cg10582690	-0.0851801755564933	276	-1.41254126875947	0.158929611497229	0.00725566230783502	0.328234175252724
KIRP	SIRT1	cg10705386	-0.119981251525724	276	-1.99684048214543	0.0468352164728913	0.0143955007176791	0.137578779983087
KIRP	SIRT1	cg19192316	0.131161950402903	292	2.2491839586581	0.0252536888832285	0.0172034572334935	0.0868747445379801
KIRP	SIRT1	cg19681528	-0.00724304326817034	276	-0.119677854621059	0.904826366568415	5.24616757845876e-05	0.94958316156046
KIRP	SIRT1	cg19980381	0.00301891450462071	276	0.0498808811350936	0.96025378756295	9.11384478620931e-06	0.979158799738794
KIRP	SIRT1	cg25513531	-0.00491066926393295	276	-0.0811385505371902	0.935391219534307	2.41146726197357e-05	0.965541585356972
KIRP	SIRT4	cg04118464	-0.18349562059793	276	-3.07855962109506	0.002292677264712	0.0336706427786193	0.0132804568228596
KIRP	SIRT4	cg07106325	0.0123246233248458	276	0.20365166484961	0.838777436098414	0.000151896340099333	0.913698406530171

KIRP	SIRT4	cg08264848	-0.175098944961446	276	-2.93850683426473	0.00357975752632834	0.0306596405266113	0.0189793264501593
KIRP	SIRT4	cg12124973	-0.133702599544471	276	-2.22914386463989	0.0266182452450185	0.0178763851249492	0.0903030731582126
KIRP	SIRT4	cg20010714	0.0213873455971455	276	0.353457792408585	0.724018058329121	0.000457418551691738	0.84364484564288
KIRP	SIRT4	cg21068152	-0.0746701273244285	292	-1.27294586120073	0.204060299300084	0.00557562791464637	0.388076735045
KIRP	SIRT4	cg21123573	-0.128425007150157	290	-2.19382416239544	0.029049818009716	0.016492982461518	0.0964368670413864
KIRP	SIRT5	cg01064902	-0.270453506095691	276	-4.64160376841926	5.3746907588414e-06	0.0731450989594519	7.58285623673028e-05
KIRP	SIRT5	cg02206980	-0.276121626424833	276	-4.7468216120336	3.33880562621281e-06	0.0762431525794948	4.97203378418069e-05
KIRP	SIRT5	cg02712746	-0.0393036836307785	276	-0.649905605549792	0.516299681593983	0.00154477954694832	0.697428641402496
KIRP	SIRT5	cg06139021	-0.0496594615559476	276	-0.821522551680955	0.41206553768435	0.00246606212202664	0.607735538298223
KIRP	SIRT5	cg07534331	-0.15363208282548	276	-2.56891646944944	0.0107334548210533	0.0236028168732953	0.0450473880205555
KIRP	SIRT5	cg07909422	-0.231359098231372	292	-4.04279199388282	6.77968684253439e-05	0.0535270323344337	0.000690610132549588
KIRP	SIRT5	cg08619119	-0.178833780013991	276	-3.00323319710253	0.00291898790758639	0.0319815208740925	0.0161072311875994
KIRP	SIRT5	cg10907941	-0.102328600484307	276	-1.69966810973059	0.0903323908534389	0.010471142477077	0.221367711893288
KIRP	SIRT5	cg11824369	-0.0365467470227043	276	-0.604255038410765	0.546175917244337	0.00133566471794155	0.719814483060683
KIRP	SIRT5	cg19366958	-0.117746991095553	276	-1.95912800477468	0.0511154743441223	0.0138643539120563	0.146625265897
KIRP	SIRT5	cg20150972	-0.032901372348868	276	-0.543914361385583	0.586944322568152	0.00108250030243886	0.750888923733613
KIRP	SIRT7	cg11691214	0.02521224695864	276	0.416707148885197	0.677220077149778	0.000635657396703451	0.813526103968679
KIRP	SIRT7	cg12710567	0.059938393140815	276	0.986662241015634	0.324691591234382	0.00359261097230289	0.524054251838796
KIRP	SIRT7	cg17552093	0.193350915924659	292	3.35018467134608	0.000914911037419106	0.0373845766889046	0.00623081408080031
KIRP	SIRT7	cg20397086	0.0548558084975116	276	0.906069451414715	0.365701015270049	0.00300915972591567	0.564551441401571
KIRP	SMARCA	cg03460558	-0.0364810767309122	276	-0.603167813500742	0.546897824992707	0.0013308689594467	0.720424163463199
KIRP	SMARCA	cg06675660	0.0167400708197085	276	0.276630125760208	0.782273450691431	0.000280229971048857	0.879780558941322
KIRP	SMARCA	cg08617833	-0.0954894936167581	276	-1.5849880693382	0.114126688924819	0.0091182433911849	0.261537116928718
KIRP	SMARCA	cg12935118	0.036184450659406	276	0.598257025737887	0.550164450810743	0.00130931446952299	0.722805689398796
KIRP	SMARCA	cg17420696	-0.00744635413464132	276	-0.123037373296944	0.902168032766151	5.54481898984898e-05	0.948281470876085
KIRP	SMARCA	cg18959966	-0.134913368895351	276	-2.24970282878704	0.0252645986287469	0.0182016171066932	0.08690586333158
KIRP	SMARCA	cg24447042	-0.257651497967169	291	-4.5331231614757	8.5203527485217e-06	0.066384294404726	0.00011369336564647
KIRP	SMARCA	cg26010110	-0.145364962674938	276	-2.42760917953437	0.0158455961691937	0.0211309723734861	0.0608767004981113
KIRP	SMARCA	cg27353825	0.0346424671283193	276	0.569575697464572	0.569439080297239	0.00120010052873668	0.737651843551527
KIRP	SMARCA	cg04518912	0.0231567075684329	276	0.382714227507085	0.702229463966448	0.000536233105409917	0.829588600322028
KIRP	SMARCA	cg13529335	-0.0818311038222924	276	-1.35662155386322	0.176022253763936	0.0066963295527748	0.351863803858099
KIRP	SMARCA	cg14290704	-0.0656419841605275	276	-1.0869278192522	0.278027444131544	0.00430887008453094	0.474858764133867
KIRP	SMARCA	cg21210735	-0.266349310972783	276	-4.5657431590506	7.53679798503863e-06	0.0709419554556763	0.000101986025821551
KIRP	SMARCA	cg08405378	-0.036413019505011	276	-0.602041079217838	0.547646467466276	0.00132590798947231	0.720915862898752
KIRP	SMARCA	cg17218495	0.160186704539104	276	2.68134363254209	0.00777923397488227	0.0256597803110981	0.0351704380683438
KIRP	SMARCA	cg17747332	0.159912300056673	292	2.75394905036996	0.00626132530601513	0.0255719437094153	0.029668262934349
KIRP	SMARCA	cg18522266	0.0517259630664823	276	0.855798816040077	0.392859559256171	0.00267557525515509	0.589694880135346
KIRP	SMARCA	cg23892580	0.00486265413557846	276	0.0803451819990617	0.936021590953351	2.36454052422583e-05	0.965881808309236
KIRP	SMARCA	cg01278696	0.0169755381337892	292	0.288625737750778	0.773074705599945	0.00028816889493173	0.874191362932774
KIRP	SMARCA	cg01575392	-0.186909125893775	276	-3.14364539959792	0.00185260772362624	0.0349350213423752	0.0111704980043234
KIRP	SMARCA	cg02782292	0.0695907785465005	276	1.15262275899897	0.250073519212424	0.00484287645870807	0.443709620985821
KIRP	SMARCA	cg05358385	0.0426994708236601	276	0.706155084169725	0.480693888993135	0.0018232448086206	0.667925387331036
KIRP	SMARCA	cg10878459	-0.283127846138402	276	-4.87762140766881	1.82629919637963e-06	0.0801613772589707	2.91197211894153e-05
KIRP	SMARCA	cg12253543	-0.237957588834558	276	-4.04798065822717	6.73373134790385e-05	0.0566238140839566	0.0006870985001034
KIRP	SMARCA	cg13848802	-0.136254394214212	268	-2.23894147167755	0.0259899197858011	0.0185652599426818	0.0887130805939454
KIRP	SMARCA	cg13898584	-0.160949353986358	276	-2.6944481839043	0.00748757909183284	0.0259046945486259	0.0341255332983797
KIRP	SMARCA	cg16091845	-0.0215800282464676	292	-0.366945933063593	0.713927880740256	0.000465697619118338	0.837204443152708
KIRP	SMARCA	cg16587443	0.0745916614057676	266	1.21305283554631	0.226198019321019	0.00556391595127269	0.415696504100053
KIRP	SMARCA	cg19993723	0.199876678770533	276	3.37051820559528	0.000858596005971834	0.0399506867163388	0.00591460353215025
KIRP	SMARCA	cg20045045	-0.157063191237378	276	-2.62772366613418	0.00908214038908854	0.0246688460416691	0.0396129193445141
KIRP	SMARCA	cg22077701	-0.177273632499304	276	-2.9761790187506	0.00318022906025402	0.0314259407794984	0.017271903065722
KIRP	SMARCA	cg24607315	-0.204912904485896	276	-3.45911859908505	0.000628589773531222	0.0419892984248461	0.00455028674201215
KIRP	SMARCB	cg01745726	-0.125033916080148	276	-2.08223978410736	0.0382517524663273	0.0156334801703374	0.11844279698159
KIRP	SMARCB	cg01912455	0.0554250966642504	276	0.917182739268635	0.359856426744509	0.0030719413402415	0.558697803942809
KIRP	SMARCB	cg03979008	-0.00636006220551286	276	-0.105087599284718	0.916383467527974	4.04503912579931e-05	0.955887521592823
KIRP	SMARCB	cg10122452	0.0935148550394907	276	1.55191967535023	0.121839918417697	0.00874502811305697	0.273563109368111
KIRP	SMARCB	cg16142952	-0.0170207704363348	276	-0.281270027688519	0.778716364317267	0.000289706626246409	0.877669604838165

KIRP	SMARCB	cg19906397	-0.0280105404032895	292	-0.476366099653679	0.634173527098904	0.000784590373684311	0.784539555148944
KIRP	SMARCC	cg02564102	0.226985553504033	276	3.85093342918705	0.000146659728001687	0.051522441499532	0.00133621814270695
KIRP	SMARCC	cg02627110	0.014413931117199	276	0.23818197127148	0.811918634491236	0.000207761410251359	0.898707279782236
KIRP	SMARCC	cg05592996	-0.324375762678058	275	-5.65554712791337	3.92710956390489e-08	0.105219635412972	9.43792281169035e-07
KIRP	SMARCC	cg07143957	0.144830288088916	276	2.41848839225982	0.0162396627910438	0.0209758123479185	0.0620078692042044
KIRP	SMARCC	cg07304068	-0.0952650029249083	276	-1.58122767983921	0.114983831399791	0.00907542078228279	0.262857836612263
KIRP	SMARCC	cg07474652	-0.123334958149948	276	-2.05350626759934	0.0409760732715212	0.0152115119018493	0.124545127830005
KIRP	SMARCC	cg12894336	-0.180227958043384	276	-3.02742912878373	0.00270218440988298	0.0324821168604878	0.0151549083687143
KIRP	SMARCC	cg16250355	0.00965722218243457	292	0.164180433172774	0.869703869187859	9.32619402809063e-05	0.930853824375365
KIRP	SMARCC	cg20685352	-0.23904123422781	276	-4.06752943236026	6.22286969435221e-05	0.0571407116611547	0.000642812275929406
KIRP	SMARCC	cg22984439	-0.0702220312238947	276	-1.163129690896	0.245792538091039	0.00493113366920965	0.438750480903475
KIRP	SMARCC	cg24832353	-0.27239860549881	16	-1.05927944296756	0.307407050846585	0.0742010002776964	0.505911235742739
KIRP	SMARCD	cg02553054	-0.107628324421891	276	-1.78870197951636	0.0747715159052113	0.0115838562178638	0.193460448609107
KIRP	SMARCD	cg04550398	-0.159219067730124	276	-2.66472388783842	0.00816382722678187	0.0253507115288497	0.0364956197724554
KIRP	SMARCD	cg09878554	0.0835243437938861	276	1.38488780973121	0.167217466190115	0.00697631600619928	0.33994745686335
KIRP	SMARCD	cg13349421	-0.197416796392161	276	-3.32734410971995	0.000997163178578278	0.0389733914977438	0.0067012191010987
KIRP	SMARCD	cg17846064	-0.093832431888684	276	-1.55723673620675	0.120572770174806	0.00880452527414452	0.271525847431991
KIRP	SMARCD	cg18591973	-0.0969495288358637	292	-1.65594264073473	0.0988187888274244	0.00939921114149596	0.236189899780037
KIRP	SMARCD	cg20405918	-0.0597857101418756	276	-0.989592197269851	0.323249754798593	0.00357433113716836	0.522672589110066
KIRP	SMARCD	cg22402853	-0.0890316006466032	276	-1.47690856106341	0.140852752622416	0.00792662591369623	0.302601392878083
KIRP	SMARCD	cg25107077	-0.0993954837701814	276	-1.65045596190464	0.0999996606685253	0.0098794621939084	0.238236467264263
KIRP	SMARCD	cg00945038	0.123546813062317	276	2.05708824393393	0.0406276779005979	0.0152638150178551	0.123736036276049
KIRP	SMARCD	cg02127607	-0.0496321047372892	276	-0.821068866589675	0.412323448795864	0.00246334582065325	0.608012885587806
KIRP	SMARCD	cg02360836	-0.0393822448580606	292	-0.670017950133168	0.503381349217926	0.00155096121006024	0.686765379089446
KIRP	SMARCD	cg04367190	0.117042170192985	276	1.94723749696893	0.0525315001217509	0.0136988696034837	0.149574175132378
KIRP	SMARCD	cg06420487	-0.0564028980714998	276	-0.93341473335743	0.351430689326567	0.003181286910864	0.550372409016205
KIRP	SMARCD	cg07362569	0.182577894992867	276	3.06825500845309	0.00236963719108669	0.0333346877400265	0.0136338699536571
KIRP	SMARCD	cg11697258	-0.0460496965086919	276	-0.761673878323445	0.446912151999092	0.00212057454854263	0.638560680933861
KIRP	SMARCD	cg12577610	0.036527192974045	292	0.6213769506165	0.534841446112629	0.00133423582656312	0.711472692017957
KIRP	SMARCD	cg15868002	0.00233907220926295	276	0.0386479213496706	0.96919934177922	5.47125880014625e-06	0.983792974874382
KIRP	SMARCD	cg19016967	-0.274344860074749	276	-4.71378237045073	3.88063888752581e-06	0.0752651022494337	5.68103917230302e-05
KIRP	SMARCD	cg19143629	0.0573620593004593	276	0.949339908701717	0.343287397205609	0.0032904058471894	0.542644364981777
KIRP	SMARCD	cg21254277	-0.0810036579876834	276	-1.34281282880519	0.180447969904548	0.00656159260738559	0.357549969963945
KIRP	SMARCD	cg23682543	-0.0612623110154201	276	-1.01412432851888	0.311421368029012	0.00375307075095007	0.510313366044078
KIRP	SMARCD	cg24795630	0.00198804944571179	276	0.0328480326346227	0.973819777100016	3.95234059859494e-06	0.986333742233373
KIRP	SMARCD	cg25945412	0.000884703661172267	276	0.0146177092026914	0.988347847715313	7.82700568091613e-07	0.993899251141682
KIRP	SMARCD	cg00864064	0.0469025542749635	276	0.775811183330028	0.438532032186578	0.00219984959751589	0.631224529325438
KIRP	SMARCD	cg02917064	-0.0618620967162247	292	-1.05367373882858	0.29291244557819	0.00382691901012754	0.490577424515268
KIRP	SMARCD	cg14795305	-0.0137283312608332	292	-0.233403626920491	0.815613231717278	0.000188467079207171	0.900789570235014
KIRP	SMARCD	cg19786287	-0.0300171064473891	276	-0.496187583655	0.620161319156981	0.000901026679473886	0.774731097947717
KIRP	SMARCD	cg19902439	-0.122399294988381	276	-2.0376897716891	0.0425450289697395	0.0149815874136528	0.128111011560748
KIRP	SMARCD	cg22750243	-0.102068294855646	276	-1.69529888215458	0.0911589002142979	0.0104179368147391	0.222859604766384
KIRP	SMARCD	cg22787816	-0.0123055670802241	276	-0.20333673237272	0.839023323063906	0.000151426981165895	0.913862974629559
KIRP	SMNDC1	cg03999743	-0.0371833892005403	276	-0.614795574177129	0.539201811375429	0.00138260443243886	0.714606138335238
KIRP	SMNDC1	cg08770590	-0.128617629903961	276	-2.14291046819672	0.0330044020441368	0.0165424947221122	0.105978637578799
KIRP	SMNDC1	cg11559952	-0.113310125855726	276	-1.88432622064954	0.0605832682338083	0.0128391846214405	0.165805268917533
KIRP	SMNDC1	cg12486840	0.1622536991412	276	2.7168721527253	0.0070113055968083	0.0263262628850029	0.0324356272358531
KIRP	SMNDC1	cg17981675	-0.127189850846077	276	-2.11872871624915	0.0350165523392317	0.0161772581582473	0.110892638822641
KIRP	SMNDC1	cg18209001	0.00114676564014742	276	0.0189476904517341	0.984896675379203	1.31507143342272e-06	0.992066002885009
KIRP	SMNDC1	cg21872391	0.0164521770994622	292	0.279724870396092	0.779888692698741	0.000270674131312068	0.878383737875278
KIRP	SMNDC1	cg23721301	-0.107261780630003	276	-1.78253927313888	0.0757725402894173	0.0115050895839189	0.195342291863565
KIRP	SMNDC1	cg26944434	0.025769026406445	276	0.425915629175861	0.670504921388961	0.000664042721936061	0.809085373075718
KIRP	SMYD1	cg00578637	0.0198444170149176	275	0.327948159534763	0.743202230098286	0.000393800886661949	0.855605325839317
KIRP	SMYD1	cg00666842	0.00752476757161778	275	0.124333084809536	0.901143049811363	5.66221270068706e-05	0.947878637482339
KIRP	SMYD1	cg03704645	0.0911466271278885	275	1.5122843466038	0.131618259542688	0.00830770763679034	0.288555711950848
KIRP	SMYD1	cg14559139	0.0342342092880063	275	0.565973720831033	0.57187656057515	0.00117198108557502	0.739627018343861
KIRP	SMYD1	cg16090764	0.00707586451189812	275	0.11691539583534	0.907013061489507	5.00678585907392e-05	0.950841639389257

KIRP	SMYD1	cg18148488	0.0805805906884667	275	1.33575360534677	0.182742318238232	0.00649323159570221	0.36061731786883
KIRP	SMYD1	cg19074493	0.0556593752979432	275	0.921071639252657	0.357826237324266	0.00309796605855729	0.556852445554347
KIRP	SMYD2	cg01770831	-0.0657658120241061	276	-1.0889871118936	0.277119937241245	0.00432514203119006	0.47387253354219
KIRP	SMYD2	cg04406444	-0.00586721892154647	276	-0.0969440350079579	0.92284196963481	3.4424257873353e-05	0.959437909616662
KIRP	SMYD2	cg11523160	-0.0433319942762758	276	-0.716635161620685	0.474211860938498	0.0018776617279592	0.662146632980032
KIRP	SMYD2	cg14013804	0.00523956208653129	276	0.0865729618377567	0.931074420586053	2.74530108586162e-05	0.963538397607218
KIRP	SMYD2	cg27570636	-0.0792835818880866	276	-1.31411646581377	0.189910110652879	0.00628588635700493	0.369966372376982
KIRP	SMYD5	cg01329511	-0.00719925456993245	276	-0.118954289992059	0.9053990532119	5.18292663626933e-05	0.949803982706508
KIRP	SMYD5	cg05103132	-0.00426489472049602	276	-0.0704682665377248	0.943872549511087	1.81893269769148e-05	0.970017745263478
KIRP	SMYD5	cg06754047	-0.123526250460324	292	-2.1161532301612	0.0351866908979855	0.0152587345527868	0.111286475249741
KIRP	SMYD5	cg08834152	-0.0332408226320138	276	-0.549532214439298	0.583089507694932	0.001104952289253	0.748109396734827
KIRP	SMYD5	cg15623359	-0.1492188314654	276	-2.49341551229294	0.0132444786449569	0.0222662596638995	0.0530884672148482
KIRP	SMYD5	cg17895873	0.00714593902129254	292	0.121484065159723	0.903392059947859	5.10644444960313e-05	0.948786071816391
KIRP	SMYD5	cg20402064	-0.154262284326279	276	-2.57971055040156	0.0104115957157826	0.0237968523655618	0.0439789149760325
KIRP	SMYD5	cg25886337	0.0520511610640771	276	0.861193742315076	0.389887092702724	0.00270932336811849	0.587420324575462
KIRP	SMYD5	cg26467949	-0.165587014095484	276	-2.7742444195426	0.00591478051627208	0.0274190592370579	0.0283648400618216
KIRP	SP100	cg05876232	-0.00583361595408266	276	-0.0963887943597557	0.923282511408782	3.40310750997278e-05	0.959676826241471
KIRP	SP100	cg09456094	-0.00786952595657114	276	-0.130029934541319	0.89663850000333	6.1929438781147e-05	0.94521033274585
KIRP	SP100	cg11702456	-0.111541649979701	276	-1.85454331430034	0.0647396935296682	0.0124415396801941	0.174045675724747
KIRP	SP100	cg11827097	0.0963777126794585	276	1.59986881186709	0.110784284931035	0.00928866350132425	0.256208831141119
KIRP	SP100	cg23539753	-0.20019228681679	292	-3.47358597210277	0.000592192890709499	0.0400769517009359	0.00432735804432226
KIRP	SP100	cg27140170	-0.0177455626863986	276	-0.293250991926573	0.769553101677148	0.000314904995056902	0.872258851179765
KIRP	SP140L	cg04002454	-0.304677804690841	276	-5.28539510043729	2.5701288239818e-07	0.09282856467123	5.07732421436956e-06
KIRP	SP140L	cg05217331	-0.00341363548972967	276	-0.0564028434767265	0.95506214966659	1.16529072567419e-05	0.976084560010333
KIRP	SP140L	cg13278004	-0.348640892666764	276	-6.14612291682691	2.80334918534432e-09	0.121550472039478	8.52555693997953e-08
KIRP	SP140L	cg24044052	-0.561680281322615	276	-11.2170571708917	2.8867412400207e-24	0.315484738426652	5.49073711555428e-22
KIRP	SP140L	cg25095994	-0.525158140815651	276	-10.1962268364926	6.76918812094146e-21	0.275791072864951	9.68018788015662e-19
KIRP	SP140L	cg26847438	-0.338322328998146	276	-5.9403000723895	8.63872408545524e-09	0.11446199829873	2.3958677415469e-07
KIRP	SSRP1	cg01511567	0.221540306851479	292	3.86215507697766	0.000138751482091088	0.0490801075598474	0.00127438403751996
KIRP	SSRP1	cg01766191	-0.0489768132065802	276	-0.810202072469233	0.41852971885138	0.00239872823187225	0.613975664048328
KIRP	SSRP1	cg02688348	0.0476338912149676	276	0.787935464463311	0.431418057764828	0.00226898759227937	0.625346780930463
KIRP	SSRP1	cg04937561	-0.127020160268438	276	-2.11585562459297	0.0352624795613098	0.0161341211146196	0.111453676308964
KIRP	SSRP1	cg08821673	-0.146015291104114	276	-2.43870578627785	0.0153775826288115	0.0213204652362193	0.0595382573234404
KIRP	SSRP1	cg09381635	-0.0895310613789783	276	-1.48526067168357	0.138628576987619	0.00801581095164639	0.29922786599081
KIRP	SSRP1	cg11948159	0.201023841032181	276	3.39067501458771	0.000800249350910065	0.0404105846633316	0.00556988440589582
KIRP	SSRP1	cg12795368	0.189925475762441	276	3.19626057531153	0.00155584891730848	0.0360716863435895	0.00968673154646628
KIRP	SSRP1	cg12911972	-0.0937536057433286	276	-1.55591693722893	0.120886329435272	0.00878973858987551	0.272014359007702
KIRP	SSRP1	cg16313264	0.0947126659271183	276	1.57197665101919	0.117114184559355	0.00897048908702192	0.266269322620879
KIRP	SSRP1	cg22636253	-0.0224601240467649	292	-0.38191845169783	0.702802525618282	0.000504457172196069	0.829988305951584
KIRP	SSRP1	cg26706201	-0.0892091182513336	276	-1.47987692705366	0.140059134818734	0.00795826677918043	0.30142083473743
KIRP	STK31	cg00755064	-0.00165289938624226	276	-0.0273104172389839	0.978232101189953	2.73207638104004e-06	0.988704535273109
KIRP	STK31	cg05000488	0.0112870620643817	276	0.18650475229671	0.852187468150229	0.000127397770045205	0.9211998985254
KIRP	STK31	cg05407490	-0.198297859892995	276	-3.34280033770689	0.000945324353947652	0.0393220412381418	0.00640429877131444
KIRP	STK31	cg11755819	-0.052537425179151	276	-0.869261214768221	0.385467859372244	0.00276018104445489	0.583485818146525
KIRP	STK31	cg13313214	-0.0703560615466305	276	-1.16536074881632	0.244890198245436	0.00494997539635326	0.437811409485823
KIRP	STK31	cg13514718	-0.15266503349984	276	-2.55235910261811	0.011244466191315	0.0233066124535072	0.046723213486121
KIRP	STK31	cg13802883	-0.0822765453067139	276	-1.36405641521304	0.173673328821689	0.00676942990760774	0.34869132945401
KIRP	STK31	cg14898779	-0.115363393374604	292	-1.9743597868862	0.0492927456894147	0.0133087125309036	0.142818616691334
KIRP	STK31	cg17102984	-0.0926583308952556	276	-1.53758161544909	0.125309131754948	0.00858556628429468	0.278892130256263
KIRP	STK31	cg17331904	-0.0330012914239357	276	-0.545567987958789	0.585808417746311	0.00108908523564753	0.750162634570478
KIRP	STK31	cg21519371	0.0253178740370313	276	0.418454067026303	0.675944156809643	0.000640994745754984	0.812694833652981
KIRP	STK31	cg25570411	-0.0545328039583044	276	-0.902372543629101	0.367654463526729	0.00297382670755486	0.566564544502959
KIRP	STK31	cg25612145	-0.140561216659259	292	-2.41350195599414	0.0164220330565174	0.019757455628731	0.0625568328076935
KIRP	SUV39H	cg05903800	0.0635024077363971	275	1.05135393468428	0.294025793595388	0.00403255578831963	0.49178565472597
KIRP	SUZ12	cg00160853	0.058579167404626	276	0.969551638161451	0.333128216515494	0.0034315188538192	0.532781147624246
KIRP	SUZ12	cg01109633	0.00877049046966443	276	0.144917858744878	0.884882656767395	7.69215030784747e-05	0.938960104017189
KIRP	SUZ12	cg07482957	-0.129675343486012	276	-2.16083328963063	0.0315780137227539	0.0168156947082151	0.102542786295078

KIRP	SUZ12	cg08177746	-0.0114841770818406	276	-0.189762260303308	0.849636445859358	0.000131886323247072	0.919822691566618
KIRP	SUZ12	cg17335595	-0.191149547035167	276	-3.21763913350313	0.00144836475187854	0.0365381493317494	0.00913672457895225
KIRP	SUZ12	cg25098644	0.0710167437196031	292	1.21034060371375	0.227137196464714	0.00504337788853579	0.416743185419245
KIRP	TAF3	cg00194465	-0.0868438292019984	276	-1.44033723144647	0.150917835794604	0.00754185067046587	0.317002433248877
KIRP	TAF3	cg02334915	0.11539043356121	276	1.91938393359782	0.0559780529518891	0.0133149521574441	0.156479629567833
KIRP	TAF3	cg03672997	-0.0115772230394591	276	-0.19129993848967	0.848432806117184	0.000134032093305382	0.919107972470899
KIRP	TAF3	cg04179819	0.070352351020357	276	1.16529898284271	0.244915147672828	0.00494945329409152	0.437817202032721
KIRP	TAF3	cg04234156	-0.0273810388821105	276	-0.452578695655668	0.651211578531066	0.00074972129026365	0.796062764456994
KIRP	TAF3	cg05976695	-0.111888133241677	276	-1.86037702493117	0.0639074241913812	0.0125189543603072	0.172374112667093
KIRP	TAF3	cg07855525	-0.0732854112070188	276	-1.21413852459647	0.225744075090809	0.00537075149578184	0.415120337732922
KIRP	TAF3	cg09871669	0.0996272032086738	276	1.65434217716742	0.0992072500922573	0.00992557961918238	0.236906529346979
KIRP	TAF3	cg09994553	0.00291793451275312	260	0.0467782479261983	0.962726294604594	8.51434182071581e-06	0.980407762203268
KIRP	TAF3	cg11104088	0.152687635827578	276	2.5527460032348	0.0112322815855598	0.0233135141346151	0.0466851226129762
KIRP	TAF3	cg12176426	0.145762928341076	276	2.43439931728957	0.0155577407563255	0.0212468312785657	0.0600704230890207
KIRP	TAF3	cg12590721	-0.140153906429762	276	-2.33880724002215	0.0200671182403127	0.0196431174875224	0.0730305668219912
KIRP	TAF3	cg12777293	-0.0779409496827311	276	-1.29172529445867	0.197544794834473	0.00607479163744601	0.379883318568077
KIRP	TAF3	cg27268107	-0.0964600266571293	276	-1.60124805055715	0.110478467344707	0.00930453674269411	0.255813372878951
KIRP	TCEA1	cg01677098	-0.0478646867288977	292	-0.8146333835281	0.415952966540276	0.00229102823565551	0.6115121214760167
KIRP	TCEA1	cg06047473	0.212332691812319	276	3.59017708339157	0.000391697729188029	0.0450851720122652	0.00305214124776059
KIRP	TCEA1	cg11530293	0.239753499899985	276	4.08038735430585	5.90720678457289e-05	0.0574817407142922	0.000613545052869243
KIRP	TCEA1	cg11787876	0.247043573880391	276	4.21239558139178	3.4356884348028e-05	0.0610305273955964	0.000383851710609004
KIRP	TCEA1	cg12850379	0.124073340643328	276	2.06599184517876	0.0397726041582464	0.0153941938583954	0.121986672760078
KIRP	TCEA1	cg23569945	-0.108592548325053	276	-1.8049170216017	0.0721894585908555	0.0117923415517289	0.188502984833398
KIRP	TCEA1	cg26181865	-0.0848517016774277	276	-1.40705461317872	0.160548631353735	0.00719981127755519	0.330468334326414
KIRP	TCEA1	cg26358945	-0.0530551116768486	276	-0.877850688785141	0.380796658003571	0.00281484487504288	0.579176022771756
KIRP	TDRD1	cg00337703	-0.517496693918948	276	-9.9925166278335	3.06948585520987e-20	0.267802828217041	4.20400673627106e-18
KIRP	TDRD1	cg02635786	-0.868563390753641	276	-28.9581459380953	3.23405804408221e-85	0.754402363757463	6.13634906052029e-82
KIRP	TDRD1	cg16550453	-0.843810323469315	276	-25.9801631509014	9.12828640068614e-76	0.712015861993391	1.29113802228178e-72
KIRP	TDRD1	cg23504215	-0.816173041863586	276	-23.3388985700022	5.46648231126549e-67	0.666138434264858	5.82547294414503e-64
KIRP	TDRD1	cg23825092	-0.643484770974969	276	-13.8898549846909	1.52542374759696e-33	0.414072650476708	4.84362510287992e-31
KIRP	TDRD1	cg24203376	-0.646636636368904	276	-14.0065760336016	5.86764293927056e-34	0.41813893949449	1.90990550132893e-31
KIRP	TDRD1	cg26600802	-0.843196641356284	276	-25.914729255875	1.49084426046037e-75	0.710980575994519	2.0710488996882e-72
KIRP	TDRD1	cg27547703	-0.834069478005912	292	-25.7027811738772	1.23649073027793e-76	0.695671894141055	1.78132518280076e-73
KIRP	TDRD3	cg01557749	-0.0412039038560514	276	-0.681378877119366	0.496209370847129	0.00169776169297873	0.681049495299463
KIRP	TDRD3	cg03447530	0.00329236955554275	276	0.0543991676207199	0.956656929839852	1.08396972902647e-05	0.977135782681409
KIRP	TDRD3	cg05666423	-0.0275729759490314	276	-0.455753611326749	0.648929466153005	0.000760269002685864	0.794617098580329
KIRP	TDRD3	cg10765900	-0.00604405329121542	276	-0.0998659737764175	0.920524025877846	3.65305801870519e-05	0.958251497180425
KIRP	TDRD3	cg18522102	0.023967954517133	276	0.396129398287484	0.692318997152065	0.000574462843735355	0.823357192980718
KIRP	TDRD3	cg19937698	-0.0315262326029642	276	-0.521157905129603	0.60267925844639	0.000993903342136202	0.761970880232379
KIRP	TDRD3	cg20944895	-0.0939965199497454	276	-1.55998418410955	0.119922081977125	0.00883534576266289	0.270584675599758
KIRP	TDRD3	cg22045829	-0.0479368863225415	276	-0.792958961794328	0.428490321836358	0.00229794507030027	0.622669258731602
KIRP	TDRD3	cg23103367	0.0424272172973738	276	0.701644465759144	0.483498618751527	0.00180006876759857	0.670361110466348
KIRP	TDRD3	cg23767211	-0.00528492789421203	276	-0.0873225591323409	0.930479138583612	2.79304628470204e-05	0.963241790958822
KIRP	TDRD3	cg26737458	-0.0548044844237536	276	-0.906881640791635	0.365269151141834	0.00300353151295345	0.564241145805839
KIRP	TDRD5	cg05378938	-0.145247109156083	276	-2.42559857990186	0.0159317308075009	0.021096722718199	0.0610959807965457
KIRP	TDRD5	cg07171496	-0.20684120356638	276	-3.49311788617205	0.000556751496906928	0.0427832834927885	0.00410656356787499
KIRP	TDRD5	cg07901138	-0.20797240736694	276	-3.51308274898775	0.000518228183920925	0.0432525222260005	0.00386492602242781
KIRP	TDRD5	cg09656934	0.190915935779854	292	3.30638730590033	0.00106442520590328	0.0364488945346975	0.00707138296054994
KIRP	TDRD5	cg11853788	0.125430562775808	276	2.088950715055	0.0376382534499979	0.015732826078256	0.117100058860487
KIRP	TDRD5	cg12277666	-0.132965072662254	292	-2.28065681669904	0.0232967047980741	0.0176797105480785	0.0817254623494487
KIRP	TDRD5	cg13848905	-0.191361454401236	276	-3.2213417010623	0.00143046384992457	0.0366192062305564	0.00904066168990429
KIRP	TDRD5	cg15545772	-0.163095601583505	276	-2.73135368355043	0.00671844291424196	0.0266001752558853	0.0313567643430849
KIRP	TDRD7	cg24339935	0.0658783863659965	276	1.09085929911144	0.276296648592105	0.00433996179018751	0.472881169488839
KIRP	TDRD9	cg07613153	0.218757999268268	292	3.81119642763534	0.00016901370817023	0.0478550622438556	0.00150724044302428
KIRP	TDRD9	cg08933517	0.161571770014488	292	2.78328983435518	0.00573572711726265	0.0261054368656147	0.0276682337346537
KIRP	TDRD9	cg16701547	0.247623138420241	276	4.22292259891394	3.28844026352185e-05	0.0613172186810901	0.000369149959394543
KIRP	TRIM24	cg00733782	0.0652570433270291	276	1.08052646518659	0.280861428473071	0.00425848170378576	0.478019908257505

KIRP	TRIM24	cg02308366	-0.116964558163429	276	-1.94592834498207	0.0526894015744503	0.0136807078663661	0.149874558707185
KIRP	TRIM24	cg06386929	-0.0362043995143362	276	-0.598587283677795	0.549944462539854	0.00131075854419366	0.722723871617849
KIRP	TRIM24	cg06650216	-0.111812872800744	276	-1.85910981264282	0.06408745230647	0.0125021185239554	0.172763852821731
KIRP	TRIM24	cg10571650	0.144241507559979	276	2.40844713783789	0.0166834901993562	0.0208056125031755	0.0633109969057911
KIRP	TRIM24	cg10703331	-0.00989012764958311	292	-0.168140393538777	0.866590438510981	9.78146249250484e-05	0.929113363931742
KIRP	TRIM24	cg13935558	0.0984198435594293	276	1.63409626239872	0.103391253374732	0.00968646560626254	0.243874326582999
KIRP	TRIM24	cg26889928	-0.0149447900376397	292	-0.254089807290662	0.799606862995574	0.000223346749269135	0.890571187433823
KIRP	TRIM33	cg00760200	-0.0323178514272817	276	-0.534257613857283	0.593598105145703	0.00104444352087585	0.755523813283566
KIRP	TRIM33	cg02852257	-0.0274817760539624	276	-0.454245027373272	0.650013416689287	0.000755248015080144	0.795270691081586
KIRP	TRIM33	cg05792124	-0.0478320456129781	276	-0.791220733976383	0.429502058105851	0.00228790458752202	0.623580364829356
KIRP	TRIM33	cg16036305	0.0312205987977866	276	0.516100540798128	0.606201942698837	0.000974725789292357	0.764647565105447
KIRP	TRIM33	cg17645130	-0.0070317342872803	276	-0.116186190436179	0.907590401617937	4.94452870869135e-05	0.95099992865948
KIRP	TRIM33	cg18199720	0.17847215266845	276	2.99696022110498	0.0029777441159347	0.0318523092781104	0.0163652861713193
KIRP	TRIM33	cg20932765	-0.14987794233182	292	-2.57703388756557	0.010461220828078	0.0224633975976202	0.0441446536119722
KIRP	TRIM33	cg20992663	-0.141457886663732	276	-2.36100953497338	0.0189281933521536	0.0200103336993694	0.0697602744759065
KIRP	TRIM33	cg21666217	-0.0908032043718862	292	-1.55005798728989	0.122221959263339	0.00824522192420254	0.274113563894236
KIRP	TRIM33	cg21813112	-0.0982477304835676	276	-1.63121073646736	0.103998893897192	0.00965261654517173	0.244980770683971
KIRP	TRIM66	cg06492264	0.0978336361004923	276	1.62426892838792	0.105472405020333	0.00957142035264355	0.247440297833286
KIRP	TRIM66	cg11245569	0.0248683914732121	276	0.408755783739019	0.683042909120135	0.00061843689446493	0.817386168965232
KIRP	TRIM66	cg12608775	0.0922346332186731	276	1.53049026752651	0.127053319270516	0.00850722756498316	0.281747553357389
KIRP	TRIM66	cg13143389	0.120858858676245	276	2.01166215534813	0.0452380534317362	0.0146068637205245	0.134138173832463
KIRP	TRIM66	cg27044202	-0.0826390249975129	276	-1.37010716891577	0.171779134570485	0.00682920845253956	0.346031383380623
KIRP	UBE2A	cg00142683	0.27394346573975	276	4.70632562768134	4.01416139013601e-06	0.0750450224215058	5.85886812728406e-05
KIRP	UBE2A	cg00428314	0.273501620823822	276	4.69812050455205	4.16619957575047e-06	0.0748031365932578	6.06392819633233e-05
KIRP	UBE2A	cg00935924	0.261146179976568	276	4.46995370316539	1.14786789452432e-05	0.0681973273163542	0.000147671961281007
KIRP	UBE2A	cg05206294	0.222424204025099	276	3.76947642587651	0.000200510494670397	0.0494725265361989	0.00174032281851934
KIRP	UBE2A	cg06206449	0.268017394399365	276	4.59654290526295	6.57353695187774e-06	0.0718333237006247	9.04780137357355e-05
KIRP	UBE2A	cg06273903	0.265184311320477	291	4.67552775467763	4.50492541166407e-06	0.0703227189705154	6.49233359531299e-05
KIRP	UBE2A	cg09080960	0.241316830881468	276	4.10863337794829	5.26645246407245e-05	0.058233812866675	0.000554600031409099
KIRP	UBE2A	cg14625604	0.313973119340214	291	5.62182836276914	4.45189923204324e-08	0.0985791196682243	1.05284376568613e-06
KIRP	UBE2A	cg15661671	0.266628320772598	276	4.57089175296155	7.36683725059895e-06	0.0710906614380154	9.98424629047203e-05
KIRP	UBE2A	cg16211147	0.248549832813299	276	4.23976480851943	3.06532036866826e-05	0.0617770193915187	0.000347294121382797
KIRP	UBE2A	cg17976175	0.260621229652522	276	4.46031279736184	1.19705112908215e-05	0.0679234253455927	0.000153365275915377
KIRP	UBE2A	cg18990292	0.230722976831531	276	3.91787553558546	0.000112970598569883	0.0532330920380032	0.0010700638920182
KIRP	UBE2A	cg25165659	0.260788799382238	276	4.46338981534076	1.18113801713477e-05	0.068010797883229	0.000151551131296359
KIRP	UHRF2	cg06523306	0.014594526695481	276	0.241166841800581	0.809606838210476	0.000213000209465107	0.897097930003358
KIRP	UHRF2	cg08487038	-0.170683892871679	292	-2.94483922414142	0.00349382369159952	0.0291329912858309	0.018618887536943
KIRP	UHRF2	cg13428749	-0.0792417002274821	276	-1.31341789433066	0.190144950487833	0.00627924705494214	0.370262952496884
KIRP	UHRF2	cg14078101	-0.0830505345232111	276	-1.37697702519691	0.169647412899138	0.00689739128459108	0.343230366936505
KIRP	UHRF2	cg20595300	-0.0634998707499947	292	-1.08168080038774	0.280296134247875	0.00403223358526603	0.477527921242125
KIRP	UHRF2	cg24119045	-0.0249629561650935	276	-0.412584297260373	0.680235029739031	0.000623149180500382	0.815506301487412
KIRP	USP27X	cg00478198	0.215687894667353	276	3.64965312532012	0.000314581353260108	0.0465212679060353	0.00254365884996537
KIRP	USP27X	cg01125381	0.260739990708929	276	4.4624935159339	1.18575224374276e-05	0.0679853427548926	0.000152118090451393
KIRP	USP27X	cg01290688	0.159029412285478	276	2.66146736664513	0.00824116058299584	0.0252903539718645	0.0367568424718254
KIRP	USP27X	cg01855997	0.241438377679322	276	4.1108308861167	5.21948203298836e-05	0.0582924902164231	0.000550494014742809
KIRP	USP27X	cg06455206	0.0893443780903866	276	1.48213877394768	0.139456736418555	0.00798241789635795	0.300481854395376
KIRP	USP27X	cg06624970	0.224934474684146	276	3.81427241912769	0.000168937845413448	0.0505955179014328	0.00150680471750674
KIRP	USP27X	cg16810342	0.206972070959036	276	3.49542684286862	0.000552162858030072	0.0428374381570723	0.00407890583777337
KIRP	USP27X	cg16867483	0.1692088408199	276	2.83669338129261	0.00489983857975871	0.0286316318116144	0.0243907117016732
KIRP	USP27X	cg19318186	0.175392894824606	276	2.94359632999365	0.00352322320343637	0.0307626675549553	0.0187370539983681
KIRP	USP51	cg00834229	0.0525954484020099	276	0.870223903185404	0.384942576904189	0.00276628119260849	0.583062867021785
KIRP	USP51	cg01084827	0.0124466164472983	276	0.205667785940433	0.8372037035043	0.000154918260986157	0.912880018367279
KIRP	USP51	cg02714202	0.0228257792655525	276	0.377242056220567	0.706286815108089	0.000521016199079729	0.832514946240386
KIRP	USP51	cg03728850	-0.0139747669615917	276	-0.230923594878736	0.817547126190285	0.000195294111630795	0.901908928342772
KIRP	USP51	cg07386410	0.0514334620613429	276	0.850946555191712	0.395544792812586	0.0026454010196156	0.592245006150751
KIRP	USP51	cg12064531	0.0616541453410727	276	1.02063534866052	0.308330831406766	0.00380123363773811	0.506893479120455
KIRP	USP51	cg12517811	0.0605506289494295	276	1.00229967418601	0.317086440192816	0.00366637866617149	0.516348098519055

KIRP	USP51	cg18770944	0.0673661483082637	291	1.14783202741924	0.251987174753808	0.00453819793789098	0.445798336997652
KIRP	USP51	cg21331369	0.0232768042910271	275	0.384700156487312	0.700759093744963	0.000541809618002777	0.828543573147238
KIRP	USP51	cg25424556	0.0801283061083927	291	1.36657534796025	0.172820678599297	0.00642054543980029	0.347589437962556
KIRP	WDR82	cg01736403	0.0362819269920583	276	0.599870775936215	0.549089928906461	0.00131637822625705	0.722101292018413
KIRP	WDR82	cg03869063	-0.266426125457085	276	-4.5671605005981	7.48963760305201e-06	0.0709828803260743	0.000101400777530774
KIRP	WDR82	cg10989431	0.138354491629212	276	2.30818975720689	0.0217361785373128	0.0191419653539778	0.0775840455669517
KIRP	WDR82	cg11442381	-0.114178380350659	276	-1.89895511816158	0.0586245795495325	0.0130367025394997	0.161925813650855
KIRP	WDR82	cg11665333	-0.259568547248176	276	-4.44099267560768	1.30176906333646e-05	0.0673758307205285	0.000164773547857463
KIRP	WDR82	cg12661343	-0.113000813348662	276	-1.87911578741264	0.0612939443577588	0.0127691838174592	0.167220799837541
KIRP	WDR82	cg13539115	-0.177190427437931	276	-2.97473683067684	0.00319473910220582	0.0313964475756366	0.0173398125805484
KIRP	WDR82	cg15991175	-0.312177318672445	276	-5.42935401044412	1.25029556226593e-07	0.0974546782935175	2.66043470927012e-06
KIRP	WDR82	cg17632831	-0.00632456632660407	276	-0.104501075723976	0.916848447714142	4.00001392196142e-05	0.956116142863496
KIRP	WDR82	cg24007312	-0.064714586891382	276	-1.07150653509306	0.284888068824635	0.00418797775652223	0.482139499421624
KIRP	WDR82	cg26236504	0.122361190143126	276	2.03704576271589	0.0426099808556458	0.0149722608532421	0.128243315764865
KIRP	WDR82	cg26858096	-0.123877033239477	276	-2.0626720727909	0.0400896121941045	0.0153455193642145	0.122682295667818
KIRP	ZMYND1	cg00614684	-0.0727347944981261	276	-1.20496761296516	0.22925929709637	0.00529035033068463	0.419301698796638
KIRP	ZMYND1	cg02813021	-0.14282249805357	292	-2.45313118641717	0.0147525939557265	0.0203982659502619	0.0576371763130966
KIRP	ZMYND1	cg02867818	-0.181211204027295	276	-3.04450467311162	0.00255819645733621	0.0328375004650218	0.0145042150865107
KIRP	ZMYND1	cg03254875	-0.118636430023356	276	-1.97413735305135	0.0493740434798631	0.0140746025286866	0.143000906123324
KIRP	ZMYND1	cg05236965	0.042909694939722	276	0.709638124862401	0.47853422587398	0.00184124191982001	0.666065942059372
KIRP	ZMYND1	cg08828193	-0.258617188362681	276	-4.42354677214632	1.40383338904066e-05	0.0668828501166184	0.000176059672202208
KIRP	ZMYND1	cg12639781	-0.0896112025041148	276	-1.48660091715087	0.138274215063439	0.00803016761423347	0.298650695623114
KIRP	ZMYND1	cg13939078	-0.0965217554727662	276	-1.60228238961115	0.110249564328841	0.00931644927954448	0.25542779818327
KIRP	ZMYND1	cg14255089	0.105185854751355	292	1.79813453637185	0.0731992382491645	0.0110640640397732	0.190523795050632
KIRP	ZMYND1	cg14694828	-0.0719467448175234	276	-1.19184401179774	0.234357452702987	0.00517633408983783	0.425302307788845
KIRP	ZMYND1	cg17632565	-0.189095261235803	276	-3.18176958204147	0.0016328545242857	0.0357570178218366	0.0100830516639373
KIRP	ZMYND1	cg22593633	-0.0812617816026079	276	-1.34712019076689	0.179058624137108	0.00660347714922995	0.35580300335149
KIRP	ZMYND1	cg24757747	-0.221901924217717	276	-3.76016624745738	0.000207737289601034	0.0492404639715254	0.00179185216844693
LAML	ACTL6A	cg03667091	0.0522256645720991	279	0.811868289965391	0.417668366224988	0.00272752003999741	0.613081491416784
LAML	ACTL6A	cg03839554	0.222554561906456	140	2.50067952852309	0.0137444821445714	0.0495305330253745	0.0545844690813186
LAML	ACTL6A	cg07261848	0.150429964192962	140	1.66684527952192	0.098153166366427	0.0226291741270959	0.234916546403822
LAML	ACTL6A	cg10112003	-0.0172693341767775	140	-0.189204292927092	0.850252344233838	0.000298229902909216	0.920143968289642
LAML	ACTL6A	cg20132173	0.0213717913907808	140	0.23416972980658	0.815252267391107	0.000456753467251054	0.900582691584053
LAML	ACTL6A	cg22619386	0.184771505932497	140	2.05953248118028	0.0416063220288746	0.0341405094045626	0.125969386079166
LAML	ACTL6A	cg25198545	0.0153551090544792	280	0.238897603466186	0.811387170773348	0.000235779374074951	0.8983029524975
LAML	ACTL6A	cg25575835	0.00345255005107841	140	0.0378210162936802	0.969893234761711	1.19201018552015e-05	0.984112094757435
LAML	ACTL6B	cg05729836	-0.00566939518737375	139	-0.0621061107473406	0.950581656579002	3.21420417906166e-05	0.973891763576712
LAML	ACTL6B	cg08572611	0.238372043827758	278	3.81826437208997	0.000170801940961152	0.0568212312786226	0.00152151221746615
LAML	ACTL6B	cg09375063	0.427387058879386	139	5.17857814106394	9.12219538425071e-07	0.182659698097572	1.57911007503872e-05
LAML	ACTL6B	cg14088161	0.0749190756991257	278	1.16875194295902	0.243653585415064	0.00561286790361133	0.436344084341148
LAML	ACTL6B	cg16024950	0.279331742984901	139	3.18677667508721	0.0018343160582942	0.0780262226389826	0.0110756584476047
LAML	ACTL6B	cg20497359	0.0828293292262022	139	0.91047847501949	0.364395465172233	0.0068606977800626	0.56339707700184
LAML	ACTL6B	cg24471254	0.12478077189838	139	1.37767229233304	0.170868389151798	0.0155702410355556	0.344821797340397
LAML	ACTL6B	cg26990587	0.218890382545109	139	2.45741771993448	0.0154232395773116	0.047912999570744	0.0596725269646082
LAML	AEBP2	cg02664216	0.158182420992586	139	1.75489590871061	0.0818293383346548	0.0250216783110758	0.206260945028226
LAML	AEBP2	cg07849438	-0.121444204847572	139	-1.3402749768089	0.182688078593862	0.0147486948910589	0.360546866561747
LAML	AEBP2	cg08161947	-0.020208391057646	139	-0.221417048323964	0.825144055868557	0.000408379069138745	0.906029113780554
LAML	AEBP2	cg24304000	0.0470474084031003	139	0.515949870269876	0.606838784854005	0.00221345863744811	0.765102164554343
LAML	AEBP2	cg26259627	0.134832645078573	139	1.49062947737289	0.138682726809773	0.0181798421788844	0.299303225030224
LAML	AFF4	cg00931577	0.0568041041520414	140	0.623264141670141	0.534293767635075	0.00322670624851596	0.711057212546455
LAML	AFF4	cg01907658	-0.23482111798413	140	-2.64633159871498	0.00922791172975701	0.0551409574513166	0.0400779457963777
LAML	AFF4	cg05619425	0.127510727981893	140	1.40830577124898	0.161626123917964	0.0162589857504722	0.331974724331989
LAML	AFF4	cg06638012	0.203229864823857	277	3.20882220055321	0.00151529713567577	0.0413023779563233	0.00947825242202791
LAML	AFF4	cg07236381	-0.0960318736126447	140	-1.05686100578055	0.292698011534044	0.00922212074955497	0.490387205420271
LAML	AFF4	cg13393914	0.125423648430347	140	1.38488327205067	0.168657521318197	0.0157310915855792	0.341857748219878
LAML	AFF4	cg13565585	0.0187013046381855	140	0.204898361688651	0.837998679853675	0.000349738795170219	0.913311608463789
LAML	AICDA	cg07999668	-0.425899574578272	139	-5.15655227996983	1.00445511203148e-06	0.181390447625953	1.71710957828595e-05

LAML	AIRE	cg08089567	-0.121664041551811	140	-1.3427375432847	0.181891358715174	0.0148021390067209	0.359421279684225
LAML	AIRE	cg09510531	-0.159461629092432	140	-1.76945636469928	0.0793579119252646	0.0254280111528123	0.201842980458838
LAML	AIRE	cg11923631	-0.170050388493433	140	-1.8903407909497	0.0611243438399734	0.0289171346267675	0.166840012795582
LAML	AIRE	cg12843033	-0.0723736799706663	140	-0.794898494176753	0.428241923857152	0.00523794955249642	0.622482711271572
LAML	AIRE	cg15955655	-0.332321721182759	140	-3.85976775330447	0.000184248269520782	0.110437726369871	0.00161904550763579
LAML	AIRE	cg16501323	-0.137968697897858	140	-1.5259647886006	0.129650021923889	0.0190353615996304	0.285560413520584
LAML	AIRE	cg16717549	-0.157765969321459	140	-1.75015764946045	0.0826470947257235	0.0248901010759395	0.207707927857336
LAML	AIRE	cg17356252	-0.121245356710398	280	-1.90015335743319	0.058601610246427	0.0147004365238316	0.161873865266859
LAML	AIRE	cg18689454	-0.144880393997355	140	-1.6040088137059	0.111340892432601	0.0209903285648288	0.257098646064166
LAML	AIRE	cg18876487	-0.0857843058366452	280	-1.33942810704982	0.181687906031295	0.00735894712787509	0.359123789590185
LAML	AIRE	cg23272544	-0.262822080627165	140	-2.98397533771792	0.00344812149413672	0.069075446065192	0.0184157053079001
LAML	AIRE	cg27251412	-0.157855555628074	140	-1.7511768540053	0.0824706305795624	0.024918376442648	0.207447222016571
LAML	ARID1A	cg04081153	-0.0306629778380351	140	-0.336054112093186	0.737416948669939	0.000940218209895834	0.852122500520239
LAML	ARID1A	cg04360147	-0.0438420207034561	140	-0.480727504984783	0.631585473636087	0.00192212277936227	0.782668468361373
LAML	ARID1A	cg14851949	-0.00572602856166238	140	-0.0627265284912431	0.950088634353795	3.27874030889734e-05	0.973591801740333
LAML	ARID1A	cg17385674	-0.0424731197356658	279	-0.659955668135643	0.509912493680668	0.0018039659000802	0.692336856558815
LAML	ARID1A	cg20413923	0.089928415061309	140	0.989124131627304	0.324592656665467	0.00808711983543906	0.523952382716382
LAML	ARID1A	cg21294655	0.0578183546428877	140	0.634429666425296	0.527008100731293	0.00334296213361073	0.705610178274619
LAML	ARID1A	cg24542126	-0.14516073673808	140	-1.60717930459478	0.110643168117511	0.021071639490342	0.256011856296172
LAML	ARID1A	cg25601319	-0.0233214151658055	140	-0.255542806021458	0.798741383640303	0.000543888405335862	0.89006599436936
LAML	ARID2	cg00035453	-0.0787102096719317	139	-0.864910498115336	0.388813648342602	0.00619529710659944	0.586508757078576
LAML	ARID2	cg01183821	0.0548994530372968	139	0.602301715012725	0.548109737452658	0.00301394994379435	0.72132439421772
LAML	ARID2	cg01353809	0.0900946339327466	139	0.990967323220707	0.32369552089013	0.00811704306347562	0.523122948088305
LAML	ARID2	cg01751433	0.000993102707893342	139	0.0108789004653283	0.991338130083222	9.86252988425088e-07	0.9953689539451
LAML	ARID2	cg06613666	0.0960193639399336	139	1.05672205169257	0.292761180639822	0.00921971825142942	0.490450788954805
LAML	ARID2	cg07276957	0.0315871769742862	139	0.346192937193703	0.729803969293431	0.000997749749204878	0.847252200973185
LAML	ARID2	cg23465749	0.128488209826481	139	1.41928219621495	0.158409134887452	0.0165092200644137	0.327532464133092
LAML	ARID4A	cg02136725	0.00703286502175862	140	0.0770430816709519	0.93871758084104	4.94611904142759e-05	0.967222402408952
LAML	ARID4A	cg06154646	-0.0554988146661219	140	-0.60889751557873	0.543743350976145	0.00308011842934455	0.718007404916372
LAML	ARID4A	cg08066755	0.178329149113542	140	1.98532087709955	0.0493893628724747	0.0318012854235598	0.143034624946069
LAML	ARID4A	cg08790491	0.0531128813389538	280	0.827410405953823	0.408819629902778	0.00282097816412579	0.604759822180622
LAML	ARID4A	cg10064886	-0.0342284668501844	140	-0.375173907075346	0.708193424140087	0.00117158794291417	0.833687901758625
LAML	ARID4A	cg10242170	0.0408162955544798	140	0.447493026133356	0.655325862462491	0.00166596998279064	0.799076039050607
LAML	ARID4A	cg10844118	-0.0235893561214694	140	-0.258480376003098	0.79647901087748	0.000556457722225504	0.888556967748334
LAML	ARID4A	cg12203852	-0.0299348376539844	280	-0.4658855729091	0.641716443206153	0.000896094505370404	0.789593899966813
LAML	ARID4A	cg14272338	0.064817011080907	140	0.711531012772335	0.478136142176486	0.00420124492546242	0.665735081437584
LAML	ARID4A	cg14460816	-0.00878098988783971	140	-0.0961946334286676	0.923526457978264	7.71057834103432e-05	0.959803374973999
LAML	ARID4A	cg17323045	-0.170289000005164	140	-1.89307243943341	0.0607567504110234	0.0289983435227587	0.166163144365448
LAML	ARID4A	cg19548283	0.011973625414572	140	0.131173898081011	0.895857406561506	0.000143367705568484	0.944737370522114
LAML	ARID4A	cg20996579	0.125535824263119	140	1.38614170068099	0.168273927927297	0.0157592431734207	0.341365987636143
LAML	ARID4A	cg26429530	-0.0586188849202808	140	-0.643243811061347	0.521293218722333	0.00343617366929713	0.701362561306189
LAML	ARID4A	cg27026909	0.0729044624673927	140	0.800759249920072	0.424853605043861	0.00531506064765947	0.619769377264891
LAML	ARID4B	cg05652840	0.0160377442216092	139	0.175707283855127	0.86082007002489	0.000257209239717758	0.926041094934893
LAML	ARID4B	cg06212607	0.019590595317992	278	0.304816640150024	0.760767789022794	0.000383791424913329	0.86688697164586
LAML	ARID4B	cg06891548	-0.161045244715371	139	-1.7874943866396	0.0763817824705717	0.0259355708454338	0.196476685035071
LAML	ARID4B	cg07814876	-0.1471072519164	139	-1.62920405392896	0.105892241708807	0.0216405435663952	0.248103516293556
LAML	ARID4B	cg10107779	0.0945328386103797	139	1.04021370609278	0.300331937515222	0.00893645757573609	0.498613315699756
LAML	ARID4B	cg11732257	-0.250505211792112	139	-2.83452523148086	0.00538664785689892	0.0627528611350108	0.0263238195476848
LAML	ARID4B	cg22596515	-0.0872915953834391	139	-0.959895627969595	0.339037845640665	0.00761982262458605	0.538388417068524
LAML	ARID4B	cg23687319	-0.0189208300251548	278	-0.294391739278121	0.768710941864004	0.0003579978088408	0.871786970251448
LAML	ARID4B	cg26020585	0.115416051841872	139	1.27282549188124	0.205540464442964	0.0133208650227657	0.389814839242204
LAML	ASH1L	cg03119126	-0.0684842513012209	139	-0.751972869157314	0.453539779128847	0.00469009267628878	0.643856157549399
LAML	ASH1L	cg08095278	-0.049350099384389	139	-0.541262759155211	0.589329924827247	0.00243543230924907	0.752603249864748
LAML	ASH1L	cg09410084	-0.0822717716808166	139	-0.90430776918347	0.367644130126393	0.00676864441550042	0.566559843486709
LAML	ASH1L	cg10558228	0.104484915195973	139	1.15087424241301	0.252072069755877	0.0109170975035097	0.445907314057894
LAML	ASH1L	cg17038116	0.0903624046008589	278	1.41148356973106	0.159386469851656	0.00816536416524933	0.328924776343741
LAML	ASH1L	cg20064047	0.0427389936512978	139	0.46861040071385	0.640198287146234	0.00182662157832567	0.788595351244408

LAML	ASH1L	cg21852905	0.0888626614617804	139	0.977308023769301	0.330382798014429	0.00789657260207098	0.530119823210909
LAML	ASH1L	cg23821590	0.0849792591130098	139	0.934280697228022	0.352035315824143	0.00722147447939605	0.55089787896732
LAML	ASH1L	cg24312492	0.0700689462898296	139	0.769458061095842	0.443133384703131	0.00490965723416702	0.635378917162993
LAML	ASH1L	cg26185843	0.0126977797407984	139	0.139108422814042	0.889597662886835	0.00016123361034583	0.941467059185646
LAML	ASH2L	cg00590869	-0.0203214435287859	140	-0.222656239362136	0.824181599354438	0.000412961067093635	0.90549631878007
LAML	ASH2L	cg01642070	-0.0937026509723642	140	-1.03099726602563	0.304615600262479	0.0087801867992487	0.503137349133088
LAML	ASH2L	cg02897270	0.046497786532324	140	0.509909252579894	0.611051599924619	0.00216204415240557	0.768090174759202
LAML	ASH2L	cg03189282	-0.131391108564919	140	-1.45190460889867	0.149137659758652	0.0172636234099184	0.314579732199903
LAML	ASH2L	cg03705346	-0.0713658739093993	140	-0.783772438338892	0.434717933725662	0.00509308795885229	0.628116991442473
LAML	ASH2L	cg10062221	-0.0163496335623248	140	-0.17912520480632	0.858141481496226	0.000267310517622296	0.924629617888052
LAML	ASH2L	cg21453287	0.00143115365131461	140	0.0156775188169792	0.987517698049905	2.04820077367114e-06	0.993353140179918
LAML	ASH2L	cg24318412	-0.021972944268656	280	-0.341901340395734	0.732721861339786	0.000482810279833462	0.849129113992149
LAML	ASH2L	cg27255459	0.133512480937306	140	1.47576830953704	0.142625270278334	0.0178255825660345	0.305170534023673
LAML	ASXL1	cg00174466	-0.151626913633088	140	-1.68041896316645	0.0954772061003021	0.0229907209378958	0.230368890619903
LAML	ASXL1	cg04218270	-0.137480705315119	140	-1.52046331339631	0.131025154562563	0.0189009443339426	0.2877094635328
LAML	ASXL1	cg09065199	0.00991978881299727	280	0.154323291690678	0.877483455750704	9.84022100944659e-05	0.935032024171579
LAML	ASXL1	cg10421984	-0.0402979971196815	140	-0.441801313537707	0.659428122771949	0.00162392857185786	0.801767207440802
LAML	ASXL1	cg12592359	0.119118949028169	140	1.31424010995294	0.19127202255118	0.0141893240175755	0.371753753119136
LAML	ASXL1	cg16926526	-0.0109842912118168	140	-0.120334141154389	0.904419704892883	0.000120654653425995	0.949357680480391
LAML	ASXL1	cg18793288	-0.0976221694470409	140	-1.07452972519902	0.284741184668311	0.00953008796754676	0.482007914528823
LAML	ASXL1	cg24727216	-0.00699468815195326	140	-0.0766248441543324	0.939049601957302	4.89256623430753e-05	0.967423649575836
LAML	ASXL2	cg05165989	0.0193770061176896	139	0.212304327472901	0.832229820325761	0.00037546836608498	0.91000648312532
LAML	ASXL2	cg05496738	-0.0863338058838374	139	-0.949283831907938	0.344384169267057	0.00745352603838812	0.543647326883857
LAML	ASXL2	cg06583696	0.0547049959902861	139	0.600161912369524	0.549530035510555	0.00299263658629722	0.722436441557885
LAML	ASXL2	cg09476286	0.0581358348693946	139	0.637925097299857	0.524737878241864	0.00337977529596152	0.703835667798274
LAML	ASXL2	cg19084174	-0.0670570280467145	139	-0.736230085679627	0.463027461812842	0.00449664501045786	0.652337251698146
LAML	ASXL2	cg20667782	0.00517284789071948	139	0.0566664676816113	0.954905131725884	2.6758355300521e-05	0.976007591673894
LAML	ASXL2	cg24738909	-0.0378653015670312	139	-0.415091278047753	0.678816293606197	0.00143378106276222	0.81460887213156
LAML	ASXL3	cg09963640	-0.0796669930168879	139	-0.875490901528461	0.383055893925765	0.00634682977635287	0.581293306852562
LAML	ASXL3	cg12361352	-0.0367060671070637	139	-0.402365971351733	0.688130542059129	0.00134733536246827	0.820747384228933
LAML	ASXL3	cg17880622	-0.0270930008656311	139	-0.296897940596695	0.767057720165537	0.000734030695905087	0.870889655169483
LAML	ASXL3	cg20034091	-0.0383992700132395	139	-0.420953390762784	0.674542085373572	0.00147450393754968	0.81181457285186
LAML	ASXL3	cg20329085	-0.0256175190287288	139	-0.280717987515875	0.779410119770236	0.00065625728118728	0.87805819876337
LAML	ASXL3	cg24880056	0.00462941782343977	139	0.050713274834213	0.959638316301176	2.14315093839818e-05	0.978916146682931
LAML	ASXL3	cg27109877	-0.0365240912784753	139	-0.40036851047937	0.689596981646705	0.0013340092437184	0.821564329538788
LAML	ATAD2B	cg08192560	-0.0950238437984313	139	-1.04566569567977	0.297817163905343	0.00902953089022867	0.495962419164538
LAML	ATAD2B	cg14009731	0.174591384039156	139	1.94238594295901	0.0544332966175095	0.030482151380708	0.153538211641136
LAML	ATAD2B	cg15717719	0.0276265368617373	139	0.302749103475103	0.762605246626099	0.000763225538972931	0.867990179793534
LAML	ATAD2B	cg16929802	0.0866705929576773	139	0.953014948928947	0.342498219444222	0.00751179168363538	0.541734434260412
LAML	ATAD2B	cg17933838	0.0785038297917126	139	0.862628602525296	0.390062392879106	0.00616285129196619	0.587548189436494
LAML	ATAD2B	cg19614157	0.138666462970513	139	1.53383314214839	0.127703020180236	0.0192283879527527	0.282600072976707
LAML	ATAD2B	cg20806130	-0.064589556977217	139	-0.709023648703654	0.479685036600213	0.00417181087051316	0.66697164086131
LAML	ATAD2B	cg27610867	0.0867938560746935	139	0.954380609437591	0.34180960024613	0.0075331734523146	0.540978179461441
LAML	ATAT1	cg01245721	0.182756693028991	139	2.03629418253811	0.0439218957556822	0.0334000088468929	0.131220859419238
LAML	ATAT1	cg05093836	0.1224200161022209	139	1.35120735109383	0.179171024682787	0.014986660342465	0.355908145294608
LAML	ATAT1	cg06814856	0.189593542893044	139	2.11525835822077	0.0364760217092417	0.0359457115067363	0.114413201096601
LAML	ATAT1	cg07142893	0.250619060414918	139	2.83589977041513	0.00536499239889548	0.0628099134432564	0.0262394202615161
LAML	ATAT1	cg07816366	0.0428897692201497	139	0.47026661617609	0.639018117938406	0.0018395323037577	0.787837770280042
LAML	ATAT1	cg08081524	0.0279322946225635	139	0.306102392799846	0.760057113377315	0.000780213082881691	0.866484967687329
LAML	ATAT1	cg08188471	0.262669798792543	139	2.98211822187653	0.00346763478380453	0.0689954231977148	0.0185084857887677
LAML	ATAT1	cg08635134	0.114874219276146	139	1.26676998379216	0.207690740191597	0.0131960862543042	0.392724859445932
LAML	ATAT1	cg09532691	0.151980809312692	139	1.68443366835999	0.0946971674912014	0.0230981663993408	0.229067823428086
LAML	ATAT1	cg12907138	0.123394075249704	139	1.36212406338821	0.175710123754346	0.0152260978067297	0.351510617104575
LAML	ATAT1	cg13542073	-0.101610729408239	139	-1.11888083526215	0.265425698575247	0.0103247403308743	0.461151661491933
LAML	ATAT1	cg13964084	-0.0158535024703682	278	-0.246653618363249	0.805385405057313	0.000251333540577969	0.894292780488561
LAML	ATAT1	cg15381130	0.102210515981606	139	1.12555487040807	0.262600085746344	0.0104469895772261	0.45803257932672
LAML	ATAT1	cg15729859	0.197692614387475	139	2.20921501884746	0.0290581515611867	0.039082369783355	0.0964604157265183

LAML	ATAT1	cg18298197	-0.0125604690417207	139	-0.137603899533992	0.890784095655121	0.000157765382548024	0.942248391289612
LAML	ATAT1	cg20629923	-0.031011508647991	139	-0.339877528320453	0.734542933285701	0.000961713668624418	0.850335800540741
LAML	ATAT1	cg22759096	0.272657932611312	139	3.10444208800274	0.00237847410412487	0.0743423482158747	0.0136725792105439
LAML	ATAT1	cg23328390	0.107916865715104	139	1.18911455575418	0.236742268838924	0.0116460499057717	0.428076332707046
LAML	ATAT1	cg26934609	0.0424144974170458	139	0.465046034800885	0.642741271711207	0.00179898959114058	0.790198879395383
LAML	ATF7IP	cg00236831	-0.0128407417882137	140	-0.140674876692062	0.888362659079813	0.000164884649671576	0.940735944631378
LAML	ATF7IP	cg11409060	0.0117909037670747	140	0.129171858729507	0.897437918836843	0.000139025411644416	0.945737465734592
LAML	ATF7IP	cg11697652	0.0408378097048129	140	0.447729292325823	0.655155801668896	0.00166772670148651	0.798984016852642
LAML	ATF7IP	cg12526346	0.0430784698508135	140	0.472339470186571	0.637542367960773	0.00185575456468744	0.786859254070434
LAML	ATF7IP	cg12948116	-0.0659330733537926	140	-0.723835663226317	0.470575360974276	0.0043471701618766	0.659113461360275
LAML	ATF7IP	cg17439009	0.0818919836912541	140	0.900104997902814	0.369867169106253	0.00670629699288863	0.568536237702792
LAML	ATF7IP	cg19789919	0.0136619557503085	140	0.149673195712242	0.881273723760856	0.000186649034923387	0.937055498408824
LAML	ATF7IP	cg21275967	-0.0450521194168383	140	-0.494022853497775	0.622193125534772	0.00202969346394906	0.776185544321421
LAML	ATF7IP	cg26637901	-0.014169327666831	276	-0.219532319163622	0.826422005382142	0.000200769846530022	0.906702866988666
LAML	ATM	cg01756564	-0.113392190982959	139	-1.25021270601816	0.213654386280903	0.0128577889759158	0.400170687521233
LAML	ATM	cg01800843	-0.0757489094750184	276	-1.18177180638689	0.238456219236556	0.00573789728665453	0.430135718211066
LAML	ATM	cg01991180	-0.169638196572302	139	-1.88562278285794	0.061763630739106	0.0287771177363031	0.168148377592931
LAML	ATM	cg02105423	0.00958636166717914	139	0.105018156197794	0.916536737847618	9.18983300139616e-05	0.955930798674512
LAML	ATM	cg03165700	-0.103190808503694	276	-1.61388786249196	0.107854887596416	0.010648342959646	0.251463308009498
LAML	ATM	cg03569616	-0.224622511916972	139	-2.52514423221869	0.012869240491013	0.0504552728598902	0.0519430162269307
LAML	ATM	cg04709886	-0.17941870531792	139	-1.99785299671104	0.0479941577404488	0.0321910718179585	0.140031410841259
LAML	ATM	cg04826772	0.0512118098563484	139	0.561734369158054	0.575344668432318	0.00262264946876279	0.742273721554649
LAML	ATM	cg05033322	-0.208700360670257	139	-2.33767435695082	0.021060156397274	0.0435558405438952	0.0757900636892046
LAML	ATM	cg05637308	-0.0948643149866859	139	-1.04389424638898	0.298632691941816	0.00899923825789317	0.496841926408214
LAML	ATM	cg06053805	-0.166557853332076	139	-1.8503967954935	0.0667159627871083	0.0277415185065895	0.177944307232842
LAML	ATM	cg06081482	-0.188369954953298	139	-2.10110311985838	0.037724598229235	0.0354832399291076	0.117305435871976
LAML	ATM	cg06750635	-0.0847563311038816	139	-0.93181202018143	0.353304630357392	0.00718363566219081	0.552339792488555
LAML	ATM	cg09808176	-0.190796817791958	139	-2.12918857132502	0.0352822654740392	0.0364034256795378	0.111493564070493
LAML	ATM	cg10610482	-0.231561382788696	139	-2.60749890759166	0.0102781224534995	0.0536206739990129	0.0435380483608787
LAML	ATM	cg10976287	-0.140736501689397	139	-1.55718970438868	0.122058934809355	0.0198067629077697	0.273839717507118
LAML	ATM	cg11588932	-0.0552948083291815	139	-0.606652411361033	0.545227629587323	0.00305751582816092	0.719190564005349
LAML	ATM	cg12019961	-0.176665934468127	139	-1.96620504165989	0.0515838181837145	0.0312108524014966	0.147631210057534
LAML	ATM	cg12106634	-0.182586352670993	139	-2.03433074529358	0.0441224949204941	0.0333377761816962	0.131673521936662
LAML	ATM	cg12848864	-0.0871798226791934	139	-0.958657108442233	0.339659029658728	0.00760032148237561	0.538912821547002
LAML	ATM	cg14761454	-0.230973294454155	139	-2.60050303850248	0.0104783882045604	0.0533486627510058	0.0441986516285623
LAML	ATM	cg15370815	-0.0389314657419636	139	-0.426796401229643	0.670292359496878	0.00151565902481769	0.808984653562843
LAML	ATM	cg15504467	-0.0637415249002183	139	-0.699676253470097	0.485483629688874	0.00406298199660515	0.672083165548826
LAML	ATM	cg16693212	0.0833583611563028	139	0.91633427265539	0.361329443214548	0.00694861637466461	0.560202138538226
LAML	ATM	cg16788234	0.0881037220581279	139	0.968895658053888	0.334546033845911	0.00776226584049585	0.534150231509273
LAML	ATM	cg17114932	-0.100054999679307	139	-1.10157541319414	0.272850895134799	0.0100110029608262	0.469146967649161
LAML	ATM	cg17420659	-0.144103704509152	139	-1.59522702785486	0.113291851930109	0.0207658776532611	0.260390463437211
LAML	ATM	cg18042593	-0.197945561002615	139	-2.21215689353566	0.0288488343400444	0.0391824451206399	0.0958924208959755
LAML	ATM	cg18391757	-0.293412700436955	139	-3.36215752588115	0.00103810771024575	0.086091012777706	0.00692611931482483
LAML	ATM	cg18457775	-0.174848420818288	276	-2.76255931100786	0.00617538410009103	0.0305719702626492	0.0293468436580624
LAML	ATM	cg19288979	-0.0640098015553119	139	-0.702633155222305	0.483645191991215	0.00409725469515041	0.670504581134201
LAML	ATM	cg20342375	-0.0760012276528304	139	-0.834966689731882	0.405395720394818	0.00577618660473735	0.601777523468134
LAML	ATM	cg22477592	-0.0627129394697393	276	-0.977508506439897	0.329293618927081	0.00393291277693518	0.528972243140608
LAML	ATM	cg22678707	-0.109150256390073	139	-1.20286797260958	0.231395337285566	0.0119137784700188	0.421890896332574
LAML	ATM	cg22837512	-0.130568207071858	139	-1.44265312473749	0.151723339369277	0.0170480566979595	0.318170349701958
LAML	ATM	cg23275463	-0.0906084670851491	139	-0.996665718425342	0.320932299854729	0.00820989430752055	0.520376158549726
LAML	ATM	cg23389069	-0.112066832151994	139	-1.23541290973952	0.219090070370135	0.0125589748685832	0.407011563773894
LAML	ATM	cg24030675	-0.100201870161711	139	-1.10320880084341	0.272143972879385	0.0100404147839045	0.468521371609261
LAML	ATM	cg24568245	-0.1458196736686	139	-1.61463300376055	0.109016614898695	0.0212633772288169	0.253303023787495
LAML	ATM	cg25400013	-0.155387620559881	139	-1.72311579399766	0.0874433949122506	0.0241453126232616	0.216366776838538
LAML	ATM	cg25740661	0.0855130135487959	139	0.940192002464279	0.349007810818714	0.00731247548619655	0.548089582228052
LAML	ATM	cg25918541	-0.0976153414097978	139	-1.0744538457559	0.284775035940202	0.00952875487855139	0.482044239216939
LAML	ATM	cg27453365	-0.16215230666692	139	-1.80011267799877	0.0743551339856807	0.0262933705574028	0.192626570757669

LAML	ATM	cg27599391	-0.155146406188156	139	-1.7203749074045	0.0879419774942141	0.0240704073531003	0.217282544533599
LAML	ATR	cg00911981	-0.0995939688134043	140	-1.09644863217599	0.275077997649988	0.00991895862400535	0.471591725966529
LAML	ATR	cg00969988	-0.127251409499138	140	-1.40539451089372	0.162487685366256	0.0161929212195172	0.333137439262663
LAML	ATR	cg11458642	0.0275560117993844	280	0.42883786638357	0.668425669877743	0.000759333786287813	0.807746777719478
LAML	ATR	cg11936145	-0.154044991390122	140	-1.70786367696316	0.0902474004833438	0.0237298593723827	0.221229124726682
LAML	ATR	cg15135999	-0.12088977166619	140	-1.33406521618511	0.184708764366926	0.0146143368935035	0.363189607096367
LAML	ATR	cg15291273	-0.0925730391670581	140	-1.01846020887133	0.310508261524186	0.00856976758062568	0.509301897510227
LAML	ATR	cg15480357	0.102413153152381	140	1.12780996510583	0.26165010835786	0.010488453938613	0.457021162369019
LAML	ATR	cg16031872	-0.00028520623189013	140	-0.0031242778620139	0.997512378905546	8.13425947089712e-08	0.998783422415574
LAML	ATR	cg17945282	-0.188222680328787	140	-2.09940003947211	0.0378772731761942	0.0354277773901526	0.117634420115328
LAML	ATR	cg20032934	-0.0702435108646964	140	-0.771384525483331	0.441995351268992	0.00493415081859873	0.634413667348474
LAML	ATR	cg20636078	0.027371825451489	280	0.425965274659895	0.67051175827477	0.000749216828546778	0.809085373075718
LAML	ATR	cg24631870	-0.0646261857427226	140	-0.709427422219294	0.479435423230513	0.00417654388365288	0.666786860418476
LAML	ATR	cg24856922	0.14531621648092	140	1.60893784801374	0.110257678564382	0.0211168027723295	0.2554389900306
LAML	AURKB	cg02245743	-0.110464857491576	140	-1.2175331508002	0.225790219644036	0.0122024847406341	0.41518246027816
LAML	AURKB	cg04612488	-0.0301991918564861	140	-0.330966525667033	0.741246991042432	0.000911991188784857	0.854403823045369
LAML	AURKB	cg05617798	0.0897742390900087	140	0.987414557560592	0.325426220493045	0.00805941400419004	0.524862283804701
LAML	AURKB	cg05811247	0.0869379530433685	140	0.955977148992331	0.341005700894412	0.00755820767937095	0.540289154692055
LAML	AURKB	cg11009596	-0.00348935140064633	280	-0.0542818992791005	0.95675535548188	1.21755731971925e-05	0.977147164395112
LAML	AURKB	cg12844497	0.045141508560049	280	0.702953659138526	0.482760307328654	0.00203775579507697	0.669779129482189
LAML	AURKB	cg13678641	0.0039287996939884	140	0.0430381764847958	0.965742632925452	1.54354670354833e-05	0.982019656096601
LAML	AURKB	cg21724796	-0.0276369824895782	140	-0.302863660769144	0.762518152436583	0.000763802801129252	0.867952375492384
LAML	BAP1	cg00794529	-0.0664114165240761	139	-0.729110256634878	0.46735488453902	0.00441047624473433	0.656436750944797
LAML	BAP1	cg02503646	-0.0142447434425712	139	-0.156059180186706	0.876248605071021	0.000202912715744676	0.934542731453168
LAML	BAP1	cg03075736	0.126049524890623	139	1.39190526899813	0.166525550333002	0.0158884827251517	0.339026534184053
LAML	BAP1	cg05442719	-0.0274055447595799	139	-0.300325504315135	0.764448542008382	0.000751063883569337	0.869284772803019
LAML	BAP1	cg05908979	-0.0228238247204255	139	-0.250087620137463	0.802947229222573	0.000520926974868708	0.892564890379585
LAML	BAP1	cg09096430	0.0679147499847645	139	0.745690515088613	0.457312577421707	0.00461241326549307	0.647522380836961
LAML	BAP1	cg10449522	0.0594085992501243	139	0.651940087987752	0.515686576188835	0.00352938166486186	0.696953171557725
LAML	BAP1	cg10956904	0.12221793009964	139	1.34894298138699	0.179895277347838	0.0149372224378406	0.356918469931082
LAML	BAP1	cg11234564	0.128818071779511	139	1.4229872584613	0.157334401661698	0.0165940956169912	0.326017431821383
LAML	BAP1	cg12859382	0.0400061333513288	139	0.438596358748955	0.661742653289079	0.0016004907057243	0.803126538167064
LAML	BAP1	cg16841708	-0.074157225805054	139	-0.81459464317402	0.416918042038926	0.00549929413910177	0.612441179859047
LAML	BAP1	cg24291822	0.194256637293312	139	2.16929836738778	0.0320317540542293	0.0377356411325056	0.103644106566585
LAML	BAP1	cg24747396	-0.0180489053999594	278	-0.280820819068771	0.779087770705216	0.000325762986136684	0.87783488600208
LAML	BAP1	cg25749966	0.121725574441259	139	1.34342685822695	0.181668811249944	0.0148171154730546	0.359100099155864
LAML	BAZ1A	cg00169548	-0.146965295472831	140	-1.62759717127463	0.106233227480985	0.0215987980734164	0.248647823168629
LAML	BAZ1A	cg05294307	-0.43204074190732	140	-5.24782141734366	6.72872349309744e-07	0.186659202667827	1.20417371847716e-05
LAML	BAZ1A	cg07414384	-0.0242062111316935	280	-0.37667064232893	0.70674843703989	0.000585940657352121	0.832777266492195
LAML	BAZ1A	cg23422263	-0.0545924610832254	140	-0.598923611119782	0.550352798734832	0.00298033680712348	0.722967673501815
LAML	BAZ1A	cg26967526	-0.531033565441321	140	-6.86513939274583	3.12802719663515e-10	0.281996647625321	1.13457783495876e-08
LAML	BAZ1B	cg00525989	0.0525716432715466	140	0.5766909723081	0.565228443746225	0.00276377767627075	0.734717643911139
LAML	BAZ1B	cg04742505	-0.0557928233421991	140	-0.612133236561038	0.541607744800546	0.00311283913649383	0.716506415029081
LAML	BAZ1B	cg05166819	-0.0205939020842244	140	-0.225642747983852	0.821863136366845	0.00042410880305462	0.904386593830712
LAML	BAZ1B	cg06059318	0.208245961484995	140	2.33235359047064	0.0213482423447868	0.0433663804748098	0.0765364839379854
LAML	BAZ1B	cg06394887	-0.0945578498168596	140	-1.04049140525423	0.3002035011689	0.00894118696198777	0.498499199247486
LAML	BAZ1B	cg14093368	-0.0088977626286163	280	-0.138422181988797	0.890021879933534	7.91701797952008e-05	0.941711034866837
LAML	BAZ1B	cg15636799	-0.281223043383448	140	-3.21019994947447	0.00170214262890018	0.0790864001298489	0.0104289583108341
LAML	BAZ1B	cg19160975	-0.166549279979421	140	-1.85029883121506	0.066730184009234	0.0277386626616636	0.177976135998846
LAML	BAZ1B	cg20612831	-0.0980507628938859	140	-1.07929295767722	0.282621731492238	0.00961395210407303	0.479840585989247
LAML	BAZ1B	cg21340129	-0.0340315836915495	140	-0.373013386168724	0.709796556590097	0.00115814868855494	0.834712681753689
LAML	BAZ1B	cg25710357	0.0732497532707632	140	0.804572223831734	0.422657725169594	0.00536552635422769	0.617759231035103
LAML	BAZ2A	cg14634319	0.0412759522723414	280	0.642650803354745	0.521059096074819	0.00170370423598861	0.70119308965809
LAML	BAZ2A	cg18206859	0.0418038794063522	140	0.458339218600179	0.647537718276131	0.00174756433342084	0.793437434131477
LAML	BAZ2A	cg18955060	0.0655152858889468	140	0.719229215519468	0.473398010247151	0.00429225268511044	0.661449517918832
LAML	BAZ2A	cg25683012	0.0760034950763364	280	1.18576667813181	0.236877417130176	0.00577653126381869	0.428211223409975
LAML	BRD7	cg03021120	0.0544042827723546	139	0.596853003065321	0.55172994132535	0.00295982598397431	0.724036558602274

LAML	BRD7	cg16433860	-0.198372319885089	139	-2.21712132041837	0.0284985903339426	0.0393515772965921	0.0950164717969711
LAML	BRD7	cg16834187	-0.188587338382938	261	-2.89327037247499	0.00418367105922133	0.0355651841983608	0.0215183144714753
LAML	BRD8	cg01096096	0.341322894519026	139	3.97789293622993	0.000119364892614226	0.116501318322846	0.00112161764174792
LAML	BRD8	cg03204906	-0.11420000687741	139	-1.2592365318055	0.210388828440527	0.0130416401570801	0.39605537857719
LAML	BRD8	cg03684156	-0.145090165371455	139	-1.60638115192844	0.110818486030673	0.0210511560875161	0.256272690317186
LAML	BRD8	cg07430605	0.0363841100630009	276	0.566378932313687	0.571661080581143	0.00132380346507656	0.739431197455343
LAML	BRD8	cg07632946	0.142313387068034	139	1.57499590537867	0.11789018743362	0.020253100138776	0.267493610853477
LAML	BRD8	cg08976717	0.103353706104893	139	1.13827898897538	0.257271455205155	0.0106819885656166	0.451736273247485
LAML	BRD8	cg11110536	-0.00024093491551631	139	-0.0026393098389832	0.997898520488778	5.80496335148543e-08	0.998938626779354
LAML	BRD8	cg11346339	0.124507091605481	139	1.37460302676822	0.171816059399998	0.0155020158600557	0.346076311799144
LAML	BRD8	cg12964860	-0.204613631929268	139	-2.28987738913795	0.0237753592826379	0.0418667383712858	0.0830078224590939
LAML	BRD8	cg14473243	-0.0226780516320734	139	-0.248489515337424	0.804180439120624	0.000514294025826985	0.893491885510492
LAML	BRD8	cg22106577	0.100154405313991	139	1.10268092305544	0.272372296862271	0.0100309049037992	0.468749416887276
LAML	BRD8	cg22818036	-0.106432301743825	139	-1.17256769208126	0.24329169100665	0.0113278348544886	0.435896679184047
LAML	BRD8	cg23298160	-0.0954484068955881	139	-1.0503805508661	0.29565391801935	0.00911039837890576	0.493564396961316
LAML	BRD8	cg26008208	0.067900923001245	139	0.745537994271594	0.457404393457581	0.004610535344421	0.647605237590344
LAML	BRD8	cg26630792	0.112076112206787	139	1.23551651339984	0.219051672395943	0.0125610549273883	0.406976160736769
LAML	BRD8	cg27119451	-0.0847363047385868	277	-1.3202094478557	0.188017599788064	0.00718024134075064	0.367488419251072
LAML	BRD9	cg02364331	-0.0319864730867036	139	-0.350573644777076	0.72652288269932	0.00102313446052642	0.845120461993076
LAML	BRD9	cg02822723	-0.0497570351437299	276	-0.774997762898639	0.439097573370549	0.00247576254629438	0.631841632622732
LAML	BRD9	cg05193570	-0.0361812543833822	139	-0.396605463474097	0.692362834942226	0.00130908316875501	0.823374267275872
LAML	BRD9	cg07308931	-0.0369677186194613	139	-0.40523806406181	0.686024070402179	0.00136661221992767	0.819264937104588
LAML	BRD9	cg09497020	-0.0864601066794864	139	-0.95068302481026	0.343676140999112	0.00747535004702818	0.543027149647302
LAML	BRD9	cg10551270	0.00388990891884507	139	0.0426121396215405	0.966081540210606	1.51313913969104e-05	0.982181816619244
LAML	BRD9	cg10600960	0.0159377454654527	139	0.17461143222858	0.86167922224325	0.000254011730521557	0.926554983830586
LAML	BRD9	cg13722821	-0.0897110477809986	139	-0.98671388395161	0.325768265872208	0.00804807209396461	0.525217949002374
LAML	BRD9	cg17977043	-0.116029999013145	139	-1.2796883430259	0.2031233599605	0.013462960709905	0.386966540094702
LAML	BRD9	cg20079193	-0.0804163492035078	139	-0.883779210839886	0.378582621905903	0.0064667892192205	0.577168070485865
LAML	BRD9	cg21160852	0.153285536240429	139	1.69924064856174	0.0918648371744374	0.0234964556205158	0.224140123818193
LAML	BRD9	cg21758832	-0.0504288853701929	139	-0.553124526939643	0.581207151200211	0.00254307247968006	0.746748811691668
LAML	BRD9	cg21910709	-0.101783914680413	139	-1.12080780147123	0.264607702565177	0.0103599652876696	0.46019296714483
LAML	BRD9	cg24953233	-0.113824642265463	139	-1.25504318982956	0.211901745625193	0.0129560491868606	0.398017345514312
LAML	BRD9	cg25523559	0.00347304760758872	139	0.0380455598139124	0.969714577466282	1.20620596845777e-05	0.984061878304425
LAML	BRD9	cg25951128	-0.0863257467285844	139	-0.949194552066093	0.344429379172586	0.00745213454824771	0.543665194751997
LAML	BRD9	cg26504197	-0.10589100345065	139	-1.16653639215829	0.245710714483113	0.0112129046117856	0.4386748823266
LAML	BRDT	cg00308185	-0.0491406579915803	139	-0.538960072322534	0.590912897663049	0.00241480426784546	0.753767019704569
LAML	BRDT	cg01515515	-0.161256654755397	139	-1.78990350138576	0.0759913650721241	0.0260037087029012	0.195754758528642
LAML	BRDT	cg02935097	-0.365764947378081	139	-4.30506392497557	3.42924253162421e-05	0.13378399673049	0.000383241622619127
LAML	BRDT	cg03421440	-0.379933376688461	139	-4.49935057643669	1.58669748551727e-05	0.144349370721896	0.000195618928983091
LAML	BRDT	cg06442199	-0.317726819317212	139	-3.6707318122389	0.000362266303512959	0.100950331713432	0.00286084101263701
LAML	BRDT	cg09250199	0.0198616183954886	139	0.217616055722899	0.828097870237984	0.00039448388528801	0.907581546009407
LAML	BRDT	cg13299824	-0.344115396923201	139	-4.01478905912865	0.000104042539103828	0.118415406399612	0.000996814052219469
LAML	BRDT	cg14732540	-0.235156834551789	276	-3.76372635788856	0.000210130053321976	0.0552987368364174	0.00180968198473705
LAML	BRDT	cg19245011	-0.135873856247179	139	-1.50235615335237	0.135632156723228	0.0184617048114789	0.294632190330805
LAML	BRPF1	cg04879506	0.0237447985710096	140	0.260184594405057	0.795167297214961	0.00056381545917782	0.887838285724096
LAML	BRPF1	cg13694772	-0.117912901089051	140	-1.30074518990149	0.195838007204222	0.0139034522432362	0.377674754764503
LAML	BRPF1	cg14712964	0.094300912876843	280	1.47354442668013	0.141903831068363	0.00889266216940593	0.304142939970625
LAML	BRPF1	cg17738494	-0.0125350973107644	280	-0.195015672726059	0.845544304955725	0.000157128664590332	0.917488665881937
LAML	BRPF1	cg20952324	0.0658272089313212	140	0.722668385515936	0.47128973146672	0.00433322143568782	0.659595377015071
LAML	BRPF1	cg25467642	0.0693235284546434	140	0.761232556199026	0.448011529319614	0.00480575159740175	0.639485677545184
LAML	BRPF1	cg26227975	0.225880920566028	140	2.54004928501707	0.0123608039768369	0.0510221902757563	0.0503190154146548
LAML	BRPF3	cg01499736	-0.0571555031290253	139	-0.627132347704727	0.531763889845381	0.00326675153793203	0.709340695941829
LAML	BRPF3	cg05882415	0.0588032562661299	139	0.645273985908751	0.519981492469178	0.00345782294750014	0.700409326196407
LAML	BRPF3	cg10562781	-0.0431564293016424	139	-0.473195860263458	0.636933092686557	0.00186247739006766	0.786316921438351
LAML	BRPF3	cg14654948	-0.0540939949313316	139	-0.593438909764349	0.554004360758592	0.00292616028763092	0.725813264137249
LAML	BRPF3	cg18779695	0.0149234930816025	139	0.163496883213334	0.870402266197714	0.00022710645756639	0.931222112890113
LAML	BRPF3	cg23517469	-0.074896881866826	139	-0.822765147255599	0.412273539868694	0.00560954291337329	0.607961628701998

LAML	BRWD3	cg03164831	0.0171020757728837	278	0.266084777746261	0.790400477248072	0.000292480995741456	0.884856699261195
LAML	BRWD3	cg05835545	-0.052215881906607	139	-0.572777699289531	0.56786689396228	0.00272649832328472	0.736510514144506
LAML	BRWD3	cg09523186	-0.0153052453817727	139	-0.167680203614057	0.867117132149576	0.000234250536196275	0.929381031140223
LAML	BRWD3	cg11957438	-0.0227574059429006	139	-0.249359471643128	0.803509058328386	0.000517899525249966	0.892964149985384
LAML	BRWD3	cg15511898	0.00885412721997803	139	0.0969959062071884	0.922891459418951	7.83955688275559e-05	0.959459810956152
LAML	BRWD3	cg22618269	-0.00123074660942863	139	-0.0134821638221127	0.989265504817903	1.51473721662007e-06	0.994314147234511
LAML	BRWD3	cg25063710	-0.0541095429678617	278	-0.84298190850441	0.400070963100347	0.00292784264019087	0.596683137731538
LAML	BRWD3	cg25708850	-0.0418051002122805	139	-0.458352626992792	0.647528114244829	0.00174766640375881	0.793437434131477
LAML	CARM1	cg12317676	-0.00813902752099777	280	-0.126617748039833	0.899348086530564	6.62437689875591e-05	0.94683978026794
LAML	CARM1	cg17918830	0.0657643203982039	140	0.721974978302638	0.471714381215373	0.00432494583743761	0.659819990151552
LAML	CARM1	cg22378614	0.0586076072427517	140	0.643119630909991	0.521373509303322	0.00343485162672065	0.70140803003099
LAML	CARM1	cg26504915	-0.128132039380192	140	-1.41528217052371	0.159575737064234	0.016417819515727	0.329207097648195
LAML	CBX1	cg01544580	-0.0659735797696585	140	-0.724282299806256	0.47030218091084	0.0043525132276235	0.658887189558023
LAML	CBX1	cg01553295	-0.493850835339751	140	-6.22147752205627	7.4571770274921e-09	0.243888647565769	2.09430913240693e-07
LAML	CBX1	cg02835499	-0.468221844056363	140	-5.80471907747317	5.37584902522297e-08	0.219231695251541	1.24503959234354e-06
LAML	CBX1	cg04864609	-0.474487961844735	140	-5.90478204016531	3.36630118886457e-08	0.225138825935571	8.17347174427373e-07
LAML	CBX1	cg11729481	-0.424025426299149	140	-5.12887358198725	1.13331900022198e-06	0.179797562148175	1.91206719373821e-05
LAML	CBX1	cg12245530	-0.44124441635438	140	-5.38629442200256	3.63642086532242e-07	0.194696634963918	6.91666808794358e-06
LAML	CBX1	cg13342109	-0.486974380578228	140	-6.10766863941828	1.28736176241966e-08	0.237144047339549	3.44154711153523e-07
LAML	CBX1	cg17778721	-0.417042406394031	278	-7.12326061092195	1.21080934870667e-11	0.173924368730924	5.66749112354311e-10
LAML	CBX1	cg21511817	-0.496312475520954	140	-6.26259128664863	6.1151651175617e-09	0.246326073357738	1.7425756599106e-07
LAML	CBX4	cg04398978	0.177445481480151	280	2.80491611710025	0.00544181310823052	0.0314868988977228	0.0265444196032034
LAML	CBX4	cg04925705	0.1046914548111	140	1.15317440834943	0.251130616110119	0.0109603007104646	0.444748222042721
LAML	CBX4	cg05949524	-0.0648944098353124	140	-0.712384251401547	0.477609696076051	0.00421128442787349	0.665338598534136
LAML	CBX4	cg07159673	-0.013129470307251	140	-0.143838539300626	0.885869243747202	0.000172382990548986	0.939518082566
LAML	CBX4	cg10756274	-0.0693537726513512	140	-0.761566268536968	0.447813021523995	0.00480994578097532	0.639331367157968
LAML	CBX4	cg21365914	0.072137896561284	140	0.79229525608632	0.429752044431254	0.0052038761202865	0.623806190443152
LAML	CBX4	cg22353329	0.0705637186819164	140	0.774918468715493	0.43991213020485	0.00497923839422063	0.632522842738197
LAML	CBX4	cg27487227	0.158624098604739	140	1.75992223060436	0.0809691426276187	0.0251616046581661	0.20466301074091
LAML	CBX5	cg03689456	0.0530020510896028	140	0.581425629381295	0.562044188627108	0.00280921741970486	0.732352907057555
LAML	CBX5	cg05754589	0.106342148835355	280	1.66372961797493	0.0974608370467953	0.0113086526189208	0.233712535286162
LAML	CBX5	cg06399839	-0.00696391410897191	140	-0.0762877067707933	0.939317248912628	4.8496099717138e-05	0.967562809500536
LAML	CBX5	cg06621757	0.0140620814206149	140	0.154057616584892	0.877823098095335	0.000197742133880003	0.935163372223221
LAML	CBX5	cg08288469	0.0894642602375697	140	0.983977585950425	0.327106301135634	0.00800385385985559	0.526654819954168
LAML	CBX5	cg09060496	0.141326821318191	140	1.56385417398851	0.120485204147718	0.019973270423904	0.271470478714829
LAML	CBX5	cg09158487	0.121572576324188	140	1.34171294388782	0.182222532131608	0.0147798913141006	0.359874582129074
LAML	CBX5	cg09653879	0.0678343534496712	140	0.744803693917677	0.457846581728494	0.00460149950793492	0.647948280498207
LAML	CBX5	cg11005091	-0.0128119785711993	278	-0.198084640235277	0.843147222865107	0.000164146794908871	0.916188890596269
LAML	CBX5	cg11338003	0.160195978022463	140	1.77781914342329	0.077966454812959	0.0256627513745734	0.199235370552158
LAML	CBX5	cg12263485	0.0556391075822993	280	0.866884237256538	0.386864149655774	0.00309571029255467	0.584835473170592
LAML	CBX5	cg12600134	0.151416118773014	140	1.6780279536399	0.0959442381250573	0.0229268410242836	0.231187426380694
LAML	CBX5	cg13445218	0.0368590864974742	140	0.404045622386563	0.68689834116693	0.00135859225742828	0.819793037337038
LAML	CBX5	cg14017196	0.0786944616316909	140	0.864736371661685	0.388908850369657	0.00619281829150168	0.586579978671437
LAML	CBX5	cg14394617	-0.0458167218578219	140	-0.502424656369291	0.616289592648529	0.00209917200179701	0.771977015868281
LAML	CBX5	cg15708001	0.0482747259012903	140	0.529440403485152	0.59747807502306	0.00233044916084471	0.758315811797956
LAML	CBX5	cg20545544	0.00867375862372	140	0.0950198395640765	0.924457556387799	7.52340886625571e-05	0.960171416536241
LAML	CBX5	cg20927027	-0.0435659725984137	140	-0.477694864931508	0.633736382976949	0.00189799396844574	0.784284185382173
LAML	CBX5	cg21826008	0.0942943505652933	140	1.03756587559686	0.301558426257081	0.00889142454853043	0.499953160895501
LAML	CBX5	cg24505978	0.123850515861951	140	1.36724096907126	0.174105404754197	0.0153389502792713	0.349270374621522
LAML	CBX5	cg25817259	0.0806326767574197	140	0.886172197602479	0.377297188114172	0.00650162856106653	0.575834918232635
LAML	CBX6	cg03028106	-0.18362762223663	140	-2.04633596378766	0.0429081021647906	0.0337191036482784	0.128875058870612
LAML	CBX6	cg04134624	-0.0327958269900762	280	-0.510457926022573	0.610195978232264	0.00107556626796301	0.767488209123205
LAML	CBX6	cg04215348	0.00584130389000033	140	0.0639893698104705	0.949085162679512	3.4120831135333e-05	0.973011746898666
LAML	CBX6	cg04801716	-0.167914674945571	140	-1.86590611091665	0.0644961714697928	0.0281953380620768	0.173528918977695
LAML	CBX6	cg06060673	-0.151227535442859	140	-1.67588908422924	0.0963635873406898	0.0228697674761211	0.231972507463333
LAML	CBX6	cg09913544	0.0878087360204929	140	0.965626383220253	0.336173179871648	0.0077103741215166	0.535720202559389
LAML	CBX6	cg14498989	-0.0490380821357027	140	-0.537832336204747	0.591688877055764	0.00240473349954792	0.754238968917861

LAML	CBX6	cg24649346	-0.0226714812319306	280	-0.352776153039772	0.724563328731854	0.000513996061249782	0.843989452809958
LAML	CBX6	cg25836955	-0.0390181248377059	140	-0.427747871211881	0.669601344189442	0.00152241406585081	0.808523879765497
LAML	CBX7	cg00545295	-0.0871412459972813	140	-0.958229660369412	0.33987358922804	0.00759359675395869	0.539165276624853
LAML	CBX7	cg01525244	0.111191709308581	140	1.22564439881571	0.222732526725713	0.0123635962189641	0.411399662192916
LAML	CBX7	cg02523424	-0.0535450604643754	140	-0.587399412258556	0.558039133898338	0.00286707350013362	0.72916755552793
LAML	CBX7	cg03804568	0.0720290794323759	276	1.11410436626271	0.266358248654432	0.00518818828387551	0.462117314109146
LAML	CBX7	cg10339854	-0.0313259772091238	140	-0.343327384887784	0.731952943832124	0.000981316848106541	0.848628686343535
LAML	CBX7	cg22268271	-0.299350340892337	140	-3.43682002534035	0.000809435853055949	0.0896106265923584	0.00562476576620228
LAML	CBX7	cg26672614	-0.081578735708476	140	-0.896638862050782	0.371706917808445	0.00665509011979338	0.570301513963202
LAML	CBX7	cg27062573	-0.067496556677702	140	-0.741077755489974	0.460094043724405	0.00455578516334624	0.649934739472615
LAML	CDYL2	cg01442398	-0.0749051334015967	139	-0.82285630432197	0.412221897679316	0.005610779009911	0.607908521156823
LAML	CDYL2	cg02461391	0.0655614319859311	139	0.719737995186273	0.473085787628284	0.00429830136404587	0.661143889676908
LAML	CDYL2	cg06919916	-0.159791864033235	139	-1.77321671222907	0.078729729618317	0.0255334398112159	0.200599390342177
LAML	CDYL2	cg10112854	0.00959366716392164	139	0.105098194946284	0.916473362695084	9.20384496521082e-05	0.955914237358865
LAML	CECR2	cg03927893	-0.13801548357701	139	-1.526492295106	0.129518766269056	0.0190482737069959	0.285376353219899
LAML	CECR2	cg12632097	-0.0957420156214506	139	-1.0536414706717	0.294164006009314	0.00916653355525809	0.491911065615284
LAML	CECR2	cg13466481	-0.0779068973726743	139	-0.856029083095461	0.393687785776587	0.00606948465823641	0.590448875032432
LAML	CECR2	cg26796679	-0.119461354173875	139	-1.31807248152223	0.189989919445603	0.0142710151410559	0.370039919626063
LAML	CHAF1A	cg03006338	-0.11382076741125	140	-1.2549990447669	0.211917403965045	0.0129551670940859	0.398027536252848
LAML	CHAF1A	cg04346879	-0.0720929594572571	140	-0.791799129552129	0.430040198965935	0.00519739480330571	0.624069447277917
LAML	CHAF1A	cg05297461	0.0172528140470504	140	0.189023243064759	0.850393924877366	0.000297659592542099	0.920271328500421
LAML	CHAF1A	cg07783855	0.133573750793389	140	1.47645785036009	0.142440433748709	0.0178419469010144	0.304888713708571
LAML	CHAF1A	cg09700233	-0.0237947614967572	140	-0.260732375015139	0.794745802230337	0.000566190674687557	0.887606080844577
LAML	CHAF1A	cg18804734	-0.00855998717621687	140	-0.0937733969772112	0.925445555494798	7.32733804569973e-05	0.960728499194821
LAML	CHAF1A	cg23811775	0.00718833498916506	140	0.0787462990113472	0.937365580490387	5.16721599164547e-05	0.966537894237855
LAML	CHAF1A	cg24085258	-0.0765345044004817	280	-1.19409984965144	0.233608049755791	0.00585753036382736	0.424480989949362
LAML	CHAF1B	cg00660452	0.0871578007806456	140	0.958413094749061	0.339781502704698	0.0075964822369187	0.539030185191266
LAML	CHAF1B	cg02544117	0.0413758638523968	140	0.453638351532662	0.650908460801482	0.00171196210953208	0.795900361503732
LAML	CHAF1B	cg02908490	-0.126784165224542	140	-1.40014969344732	0.164048689609481	0.0160742245516841	0.335365631982971
LAML	CHAF1B	cg04634639	-0.132157353859267	140	-1.46052188026139	0.146759993036575	0.0174655661790836	0.311192948601376
LAML	CHAF1B	cg07872789	-0.0101878949156502	140	-0.111608589432658	0.911320230245033	0.00010379320281233	0.952880283755354
LAML	CHAF1B	cg13854874	-0.0344047707692133	280	-0.535529671692228	0.59277545001831	0.00118368825168211	0.755020275369197
LAML	CHAF1B	cg25942896	0.104300851712186	140	1.14882451287452	0.252913117316086	0.0108786676678875	0.446907962486941
LAML	CHD1	cg03255775	0.187713346062717	139	2.09351124076915	0.0384092905728131	0.0352363002900615	0.118788755300208
LAML	CHD1	cg03833628	-0.100923961753586	139	-1.11124044473095	0.268686389801924	0.0101856460560394	0.46448276723297
LAML	CHD1	cg08865521	0.0678965144652335	139	0.745489365280411	0.45743366983661	0.00460993667652766	0.647623114786147
LAML	CHD1	cg11365324	-0.0724678379332125	139	-0.795938111067134	0.427639723938027	0.00525158753471435	0.621964243948121
LAML	CHD1	cg12662497	-0.105264252739787	139	-1.15955426686742	0.248532362555616	0.0110805629048658	0.441869812201493
LAML	CHD1	cg16890600	-0.132524794660642	139	-1.46465510062976	0.145630027231782	0.0175628211998452	0.309568440314662
LAML	CHD1	cg21082921	-0.133659882259419	139	-1.47742721689373	0.142180902828216	0.0178649641256018	0.304515509776714
LAML	CHD4	cg00079216	0.00430130354611886	140	0.047118855457713	0.962496827466029	1.85012121958547e-05	0.980297321919408
LAML	CHD4	cg00824109	-0.0228990425255995	280	-0.356318934599262	0.721912182755296	0.000524366148589215	0.842440242788694
LAML	CHD4	cg04344119	-0.163390624893846	140	-1.81423530226548	0.0721398455671849	0.0266964963032013	0.188418571296075
LAML	CHD4	cg05147525	-0.16292846071015	140	-1.80896344081219	0.0729603078700894	0.0265456833093788	0.190059601064816
LAML	CHD4	cg11565429	-0.00558012639505142	140	-0.0611281737121488	0.951358824514007	3.11378105847496e-05	0.974229631438141
LAML	CHD4	cg19509514	-0.191661304700638	140	-2.13920280838368	0.034445086712043	0.0367340557195508	0.109484007177801
LAML	CHD4	cg20308811	-0.248313805180067	140	-2.80809188412081	0.00581894874289361	0.0616597458430041	0.0279942143598583
LAML	CHRA1	cg00296189	-0.0976385559148402	140	-1.07471182735732	0.28465995665533	0.00953328760113537	0.481943821803407
LAML	CHRA1	cg07270064	-0.157713610719481	140	-1.74956199719311	0.0827503688119877	0.0248735830061761	0.207902150605858
LAML	CHRA1	cg08877624	0.0936683612002496	140	1.03061664029043	0.304793388103539	0.00877376188994042	0.503334822835329
LAML	CHRA1	cg12002314	0.0349482957774256	280	0.544000210483061	0.586942163741645	0.0012213833774642	0.750888923733613
LAML	CHRA1	cg18770186	0.245496090466714	140	2.774717128323761	0.00642004806107779	0.0602683304344409	0.0302437208601628
LAML	CHRA1	cg19486048	0.176939192859825	140	1.969394448546082	0.0512178450847118	0.0313074779698864	0.146826879924828
LAML	CHRA1	cg22610305	-0.0568777991701187	280	-0.886245605618282	0.376365019546799	0.00323508403843636	0.574874640800764
LAML	CHRA1	cg23548819	0.0460302444419909	140	0.504771098035116	0.614645320269366	0.00211878340338943	0.770790848282879
LAML	CLOCK	cg05960024	-0.0351382337769935	280	-0.546960403477584	0.584909936377095	0.00123469547296665	0.749456197755373
LAML	CLOCK	cg06085476	-0.0774717235073666	140	-0.851218505620734	0.396343411204131	0.00600186794320186	0.592990601800411

LAML	CLOCK	cg07236904	-0.057043603124977	140	-0.62590052521246	0.532568856921301	0.00325397265747989	0.709906512869688
LAML	CLOCK	cg07500410	0.0794960890282766	140	0.873600815081217	0.384080562775803	0.00631962817079169	0.582258229413454
LAML	CLOCK	cg11774413	-0.00923577698571451	140	-0.101177183100719	0.9195786668512	8.52995765298537e-05	0.957641064617041
LAML	CLOCK	cg18928811	0.178332837313398	140	1.9853632861706	0.049384583965725	0.0318026008642469	0.14302610941624
LAML	CLOCK	cg22523077	-0.0477525040312787	140	-0.523699910367223	0.601453125073141	0.00228030164125728	0.761125750918111
LAML	CLOCK	cg23506964	-0.021447186766538	140	-0.234996212950658	0.814612203936197	0.000459981820198763	0.900233564784608
LAML	CREBBP	cg00039463	0.0817779509924925	139	0.898843177978352	0.370536251152006	0.00668763326853051	0.569201396511179
LAML	CREBBP	cg00747661	-0.102123628847342	139	-1.12458797019652	0.263008138296704	0.0104292355689496	0.458387867050583
LAML	CREBBP	cg03039399	-0.0958233758809242	139	-1.05454513485738	0.293752026038013	0.00918211936521688	0.491486259325558
LAML	CREBBP	cg03264209	0.0323828463276648	276	0.504023206080539	0.614703615641965	0.00104864873628115	0.770809540373814
LAML	CREBBP	cg08506924	-0.10793720591192	139	-1.18934132202983	0.236653397485689	0.0116504404200723	0.428015121102961
LAML	CREBBP	cg24567591	-0.0830816082801639	139	-0.913270827792913	0.362931376090533	0.00690255363441859	0.561913057190362
LAML	CTCF	cg01866162	-0.0693401332317137	280	-1.08128188814387	0.280648070903133	0.00480805407659181	0.477844955741701
LAML	CTCF	cg04487155	-0.034126487079394	140	-0.374054814411084	0.709023641424077	0.00116461712038005	0.834232510979531
LAML	CTCF	cg06241380	-0.176638378939858	140	-1.96588848446175	0.0516208427566312	0.0312011169145008	0.14769913720289
LAML	CTCF	cg07967402	0.0401506717914787	140	0.440183520634665	0.660596037602234	0.00161207644530704	0.802531988181117
LAML	CTCF	cg08324636	0.0272441113045463	140	0.298555106991625	0.765795892744617	0.00074224160077451	0.870078379588329
LAML	CTCF	cg10218542	-0.0208487732535728	140	-0.228436520947132	0.819695721114361	0.000434671346178894	0.902926934969777
LAML	CTCF	cg10481400	-0.131752861859404	140	-1.45597259169822	0.148011543032125	0.0173588166081432	0.312925589157549
LAML	CTCF	cg23858565	-0.0378963020382399	280	-0.589951883285878	0.55577334182052	0.0014361297081735	0.727165921382917
LAML	CXXC1	cg02159718	0.00399690879099297	140	0.0437842918369062	0.965149122121227	1.59752798835169e-05	0.981635856389837
LAML	CXXC1	cg07675399	0.0323209698909985	140	0.354243563543165	0.723778068538041	0.00104464509469483	0.843504180606549
LAML	CXXC1	cg11871295	-0.0483679523650839	140	-0.530465235533894	0.596769695808514	0.00233945881599102	0.757824745200495
LAML	CXXC1	cg13423076	-0.0440960326953926	280	-0.686641180353562	0.49296627457352	0.00194446009947314	0.678385635565838
LAML	CXXC1	cg15632775	0.0105213382931988	140	0.115261866204398	0.908430213625128	0.000110698559479931	0.951392318508467
LAML	CXXC1	cg20016845	-0.0387583853143987	280	-0.603392357924175	0.546812820763485	0.0015022124321794	0.720348781238457
LAML	CXXC1	cg27419474	-0.0574677658564091	140	-0.63056993740662	0.529520812379713	0.00330254411252706	0.707700095584765
LAML	DAXX	cg00221327	-0.180928481001735	140	-2.01523106522047	0.0461150449667799	0.0327351152375953	0.135981874313762
LAML	DAXX	cg02173004	-0.107045858379923	140	-1.17940539035938	0.240569791754043	0.0114588157962946	0.432624110120762
LAML	DAXX	cg02328295	-0.0172507892721791	140	-0.189001052861551	0.850411277909616	0.000297589730513131	0.920273282730528
LAML	DAXX	cg03085224	0.218765705859271	140	2.45594763559772	0.0154833662504424	0.047858434060105	0.0598396837441956
LAML	DAXX	cg03369465	-0.199066836258002	140	-2.22520334094871	0.027936329131286	0.0396276052977702	0.0936435189779068
LAML	DAXX	cg03382121	-0.0612751561763475	140	-0.672499390494548	0.50255870722399	0.00375464476443577	0.686128037487742
LAML	DAXX	cg03902329	0.240146414200141	140	2.70997503280685	0.00771477572395837	0.0576703002531855	0.0349562154272012
LAML	DAXX	cg04086445	-0.0907216374178724	140	-0.997920881911883	0.320325759067122	0.00823041549577992	0.519739333851993
LAML	DAXX	cg04152866	0.185685253436416	140	2.07008023485098	0.0405903165083096	0.034479013343746	0.123659306927997
LAML	DAXX	cg04271391	-0.0837017725730441	140	-0.920135874030457	0.35934776687913	0.00700598673186959	0.558319900821365
LAML	DAXX	cg04488476	-0.0332420606646061	140	-0.364349894943175	0.716237981402362	0.00110503459722935	0.838674496518738
LAML	DAXX	cg04973788	0.000207630843062587	140	0.00227448197661098	0.998189004321546	4.31105669908806e-08	0.999023943483325
LAML	DAXX	cg05431670	0.0809052468139592	140	0.889187510987942	0.375681345299088	0.00654565896202765	0.574224979884416
LAML	DAXX	cg05532204	0.231493156958645	140	2.60668714186554	0.0103011820621335	0.05358908171868	0.0436076165413121
LAML	DAXX	cg06171013	0.0129068711510932	140	0.141399467695264	0.887791478799811	0.000166587322910921	0.940344778745559
LAML	DAXX	cg07689821	-0.056266438141126	280	-0.876689219793118	0.381524890324609	0.00316591206108915	0.579965291850157
LAML	DAXX	cg08375286	-0.072055859097725	140	-0.791389527975897	0.430278184652335	0.0051920468303112	0.624276116616194
LAML	DAXX	cg08567382	-0.134847442919831	140	-1.49079610322928	0.138639009148011	0.0181838328620171	0.299242080840696
LAML	DAXX	cg09097215	-0.109190960780778	140	-1.20332195869909	0.231220333395697	0.0119226659162294	0.421706437839524
LAML	DAXX	cg09432361	-0.0183896356456766	140	-0.201482436763749	0.840662500835361	0.000338178699180738	0.914642569614619
LAML	DAXX	cg09615909	-0.0223422218301266	140	-0.244807886222977	0.807023316361699	0.000499174876306585	0.895485199803762
LAML	DAXX	cg11111423	0.0395667511199649	140	0.433771716145209	0.665233052717505	0.00156552779418924	0.8057160221564
LAML	DAXX	cg12025215	-0.0546539912224629	140	-0.599600667961755	0.549902866464088	0.00298705875654505	0.722723871617849
LAML	DAXX	cg12832355	0.155504187933755	140	1.72444044661366	0.0872032622222996	0.0241815524649367	0.215930565659407
LAML	DAXX	cg12923297	-0.106324908725239	140	-1.17137100477872	0.243770303752276	0.0113049862154305	0.43646268061646
LAML	DAXX	cg13443893	0.0722518386558148	140	0.793553251565528	0.429021899147248	0.00522032818914589	0.623080922659592
LAML	DAXX	cg13826470	0.056204948281161	140	0.616669158562741	0.538621147801463	0.00315899621128798	0.714284065698454
LAML	DAXX	cg14539675	0.158815767709264	140	1.76210377534209	0.0805981171495183	0.0252224480730829	0.204076615204063
LAML	DAXX	cg14622330	0.133636636119618	140	1.47716558986947	0.142250912631061	0.0178587505133672	0.304620884640518
LAML	DAXX	cg14746369	-0.00222945831251328	140	-0.0244225528716525	0.980556125064659	4.97048436723455e-06	0.989948473495769

LAML	DAXX	cg14910283	-0.0403444499677158	140	-0.442311422490178	0.659060039698643	0.00162767464319753	0.801609079554663
LAML	DAXX	cg16922466	0.102025292100313	140	1.12349368740991	0.26347048337724	0.0104091602281541	0.458892259797358
LAML	DAXX	cg17079757	0.0417454369982177	140	0.457697334579217	0.647997550108866	0.00174268151017216	0.793825825758926
LAML	DAXX	cg17504991	0.0147195822671321	140	0.161262415891154	0.872157910688924	0.000216666102118869	0.932227957342936
LAML	DAXX	cg18187593	0.1967879111054456	140	2.19869669530986	0.0298174030860195	0.0387254819371765	0.0982221822355097
LAML	DAXX	cg18279148	-0.0169359157845774	139	-0.184775530735392	0.853719637887365	0.000286825243462298	0.921972173385294
LAML	DAXX	cg18486541	0.00837361646220282	140	0.0917315885339361	0.92706425632132	7.01174526560741e-05	0.961483612813065
LAML	DAXX	cg18944910	0.0634436795079989	140	0.696393628280677	0.487529062392541	0.00402510046951368	0.67379967097366
LAML	DAXX	cg18967278	0.156344047167299	140	1.73398665572912	0.0854886200123232	0.0244434610846507	0.212888971312045
LAML	DAXX	cg20223162	0.0370227593023376	140	0.405842244474577	0.685581261514123	0.00137068470635882	0.819050457764174
LAML	DAXX	cg20763184	-0.057605252422451	140	-0.632083537101846	0.528534713323956	0.0033183651066543	0.706924152611177
LAML	DAXX	cg21286626	0.0365416698944228	140	0.400561460722101	0.689455275242226	0.00133529363867296	0.82149062466014
LAML	DAXX	cg24328964	0.149143314931964	140	1.65226274122429	0.101095269594263	0.022243728388895	0.240109609303046
LAML	DAXX	cg24496586	0.087115864234254	140	0.957948420673501	0.340014806790867	0.00758917380128098	0.539257341939791
LAML	DAXX	cg24513883	0.0359851365762745	140	0.394452897943959	0.693946850999743	0.00129493005441313	0.824515954518223
LAML	DAXX	cg24728112	0.0916542305386214	140	1.00826568958972	0.315355685715229	0.00840049797562676	0.514518995292266
LAML	DAXX	cg25642825	-0.0301283739513486	140	-0.330189694421066	0.7418323804288	0.000907718916952301	0.854740892456035
LAML	DAXX	cg26521092	0.0728114371559849	140	0.799732040478913	0.425446323818625	0.00530150538071994	0.620148248127892
LAML	DAXX	cg27052777	0.0650355987765262	140	0.713940742001226	0.476650172810491	0.0042296291082213	0.664394537700799
LAML	DAXX	cg27393652	0.18812686571657	140	2.0982921203326	0.037976879532758	0.0353917176043402	0.117826169194041
LAML	DIDO1	cg00080059	0.0778026807027075	140	0.854876987650827	0.394322791703964	0.00605325712452746	0.591081491730282
LAML	DIDO1	cg01488865	0.0901997483540083	140	0.99213297412985	0.323129009359408	0.00813599460312643	0.522576516103066
LAML	DIDO1	cg06646488	0.246715239473917	140	2.78883856045779	0.00615350937077933	0.060868409388672	0.0292726478479056
LAML	DIDO1	cg08610063	0.155385031515461	140	1.72308637335689	0.0874487344047335	0.0241445080190609	0.216373106589544
LAML	DIDO1	cg13815390	-0.00898092286704326	140	-0.0983850486301112	0.921790699733016	8.06569755437805e-05	0.959007498429024
LAML	DIDO1	cg20969846	0.0222913687011115	280	0.346858503941914	0.728999049760772	0.000496905118568895	0.84676402051338
LAML	DIDO1	cg21212389	0.0350816922343013	140	0.38453738660761	0.701260813183006	0.00123072513002223	0.828834453065311
LAML	DIDO1	cg21687703	0.109097337120606	140	1.20227776012626	0.23162299652522	0.0119022289668071	0.422132961973129
LAML	DIDO1	cg22394521	-0.0172792511160513	140	-0.189312976197122	0.850167356473976	0.000298572519131559	0.920107198370381
LAML	DMAP1	cg01604592	0.133192971044861	140	1.47217277276312	0.143592102532342	0.0177403675357573	0.306573099442902
LAML	DMAP1	cg11683482	-0.1376085905618	140	-1.52190494223008	0.130663706655348	0.0189361241964051	0.287183285648994
LAML	DMAP1	cg15990015	0.113267685433748	280	1.77344465510738	0.0774127002504745	0.0128295685635186	0.198309504921698
LAML	DMAP1	cg18017761	-0.0350133927769869	140	-0.383787822894972	0.701814864316337	0.00122593767375556	0.829224731620497
LAML	DMAP1	cg18167340	-0.137906035386961	140	-1.5252582878179	0.129825979229408	0.0190180745961496	0.285826580675608
LAML	DMAP1	cg21437596	-0.181825422586166	140	-2.0255621551698	0.0450279423399777	0.0330604842986378	0.133637408301397
LAML	DMAP1	cg23021241	0.133753806328965	140	1.4784843241341	0.141898300139877	0.0178900807074861	0.304142939970625
LAML	DMAP1	cg23451311	0.062087327311117	280	0.967719144066244	0.334150780706038	0.00385483621263777	0.533732872746499
LAML	DMAP1	cg24485408	0.121376060168064	140	1.33951167449785	0.18293556262576	0.0147321479819215	0.360917342697086
LAML	DNMT1	cg04160663	0.0454058648260877	140	0.497909861517784	0.619458826053422	0.00206169256060495	0.774263816098971
LAML	DNMT1	cg04762346	-0.158875776478011	280	-2.50332280849041	0.0129632427168773	0.0252415123514909	0.0522217757639967
LAML	DNMT1	cg06128182	-0.00668574269323733	140	-0.0732402786428178	0.941736855346905	4.46991553601764e-05	0.968934244198939
LAML	DNMT1	cg06716436	-0.0152504719627273	280	-0.237269260383499	0.812648647233953	0.000232576895085932	0.899047027260703
LAML	DNMT1	cg10635912	-0.0244181811433954	140	-0.26756755265524	0.7894915491039	0.000596247570351671	0.884143168286734
LAML	DNMT1	cg11380607	-0.158688802344768	140	-1.760658654595	0.0808437388973614	0.0251821359896169	0.204487482061268
LAML	DNMT1	cg13393778	-0.133937038064964	140	-1.48054669819252	0.141348211344948	0.0179391301656156	0.303372586033462
LAML	DNMT1	cg15043801	-0.191714448786597	280	-3.03874332602851	0.00263630038233602	0.0367544298735486	0.0148485629846111
LAML	DNMT1	cg21893394	-0.0247917238848313	140	-0.271663227182125	0.78634779364553	0.000614629573181717	0.882220078725993
LAML	DNMT1	cg23401624	-0.167427137925992	140	-1.86033200862975	0.0652867614440537	0.0280318465140891	0.175177398674808
LAML	DNMT1	cg24477899	-0.134964112373761	140	-1.49210985393183	0.138294696477654	0.0182153116288373	0.298679728557179
LAML	DNMT1	cg27429799	0.0123574572295582	140	0.135379498636908	0.892538660485034	0.000152706749180361	0.943084840675701
LAML	DNMT3A	cg02208653	-0.0606652786231274	140	-0.665781089559465	0.506828817909461	0.00368027603042168	0.689702819116774
LAML	DNMT3A	cg03463641	0.0895569088907998	140	0.985004821880248	0.326603565141346	0.00802043993007501	0.52607693915862
LAML	DNMT3A	cg06112956	0.0296750472733084	140	0.325217081722894	0.745583115389782	0.000880608430673088	0.857099323463317
LAML	DNMT3A	cg07150430	0.274685538959286	140	3.12940463641738	0.00219944399260309	0.0754521453133533	0.0128234689320666
LAML	DNMT3A	cg12066181	0.0139003709216535	280	0.216259917787307	0.828967331468621	0.00019322031175955	0.908060845187348
LAML	DNMT3A	cg13076778	-0.0797009257999128	140	-0.875866185176807	0.382852644090351	0.00635223757336321	0.58113282851778
LAML	DNMT3A	cg13344237	0.0192698745030565	140	0.211130101817889	0.833143879067256	0.000371328063363545	0.910498781825767

LAML	DNMT3A	cg15990840	-0.0455306849976184	140	-0.49928144914938	0.618495256676194	0.00207304327635235	0.773606341209528
LAML	DNMT3A	cg15998962	0.0726166922829457	140	0.797581685360627	0.426688700000911	0.00527318399811602	0.621174357326916
LAML	DNMT3A	cg21629895	0.10971350384479	280	1.71710731977313	0.0872389572447228	0.0120370529259008	0.215978894205367
LAML	DNMT3A	cg21708767	-0.0541208481680556	140	-0.593734368768657	0.553807346705507	0.00292906620642972	0.72569210230441
LAML	DNMT3A	cg22731525	0.0808062309452697	140	0.888092122161819	0.376267839961213	0.00652964695958025	0.57474877460666
LAML	DNMT3A	cg25044635	-0.110220117384144	140	-1.21480243778996	0.226826410708064	0.0121484742761744	0.416382273634764
LAML	DNMT3A	cg26470599	-0.0163306826017039	140	-0.178917524263198	0.858304191692565	0.000266691194237595	0.924676863156508
LAML	DNMT3A	cg26995204	-0.0207739502344823	140	-0.227616343052436	0.820331873143037	0.000431557008344747	0.903423006261263
LAML	DNMT3B	cg00300969	0.194000840665996	140	2.16633005084	0.0322630742515844	0.0376363261791131	0.10421331997707
LAML	DNMT3B	cg13636640	-0.0636576067218759	140	-0.698751352231338	0.486059467465906	0.00405229089355702	0.672605041304256
LAML	DNMT3B	cg14224313	-0.12001003238194	140	-1.32421456098282	0.187948499608577	0.0144024078723143	0.367414639491133
LAML	DNMT3B	cg16523653	-0.0589239587226083	280	-0.918237138175977	0.359408990955229	0.00347203291154365	0.558359721265524
LAML	DNMT3B	cg16953106	-0.0620181218654197	140	-0.68068478860909	0.497382259948138	0.00384624743971404	0.681796683683339
LAML	DNMT3B	cg17475857	0.198632275936063	140	2.22014599620456	0.0282870201739965	0.0394547810435401	0.0945257924147715
LAML	DNMT3B	cg17721173	0.0677575154983733	140	0.743956139646501	0.458357272215973	0.00459108090651229	0.648411507760572
LAML	DNMT3B	cg22605822	-0.0824535236470825	140	-0.906319194553438	0.36658318258882	0.00679858356181999	0.565450203629767
LAML	DNMT3B	cg24403338	0.186063533087565	140	2.07444849458168	0.0401758245016733	0.0346196383450273	0.122860100290231
LAML	DNMT3B	cg25803642	-0.0124533702166455	140	-0.136430415355614	0.891709650583331	0.000155086429752832	0.942637830135202
LAML	DNMT3L	cg09247319	0.0864681677269472	139	0.950772328747458	0.34363098284408	0.00747674403005547	0.542977853865747
LAML	DNMT3L	cg15635600	0.0534644388516386	139	0.586512440688914	0.558632904461618	0.0028584462217206	0.729652594476906
LAML	DNMT3L	cg27187798	0.10202029110712	139	1.1234380376813	0.26349401109037	0.0104081397975814	0.458912689429876
LAML	DPF1	cg06168449	-0.074972044823706	280	-1.16958294068493	0.243319487815704	0.00562080750504779	0.43591636310561
LAML	DPF1	cg06615189	0.0783053725622179	140	0.860434411145844	0.391265467553953	0.00613173137210775	0.588426109319754
LAML	DPF1	cg07480327	-0.0722795100772024	140	-0.793858766924066	0.428844687160878	0.005243275770004	0.62300521989607
LAML	DPF1	cg08057062	0.0813679073467669	140	0.894306165315379	0.372948291279351	0.00662073634599204	0.571541070696883
LAML	DPF1	cg13322582	0.149810010787445	140	1.65981781685715	0.0995622332177554	0.0224430393321344	0.237521677173236
LAML	DPF1	cg13917712	-0.0458348304199913	140	-0.502623652237287	0.616150070173255	0.00210083167962936	0.771864389034754
LAML	DPF1	cg17121541	0.158855364065668	140	1.76255447971493	0.0805216382779547	0.0252350266924361	0.203949349749144
LAML	DPF1	cg22145401	0.296096763526748	140	3.3958546194051	0.000928277635103091	0.0876732933710146	0.0063118984656245
LAML	DPF1	cg27400772	-0.00528626311420471	265	-0.0798219378900136	0.936448892804914	2.79445777126013e-05	0.966092075893027
LAML	DPF2	cg02186298	-0.0405494851875254	274	-0.624765239464354	0.532726163673086	0.00164426074897334	0.7099425983175
LAML	DPF2	cg14699126	-0.0341048273503067	140	-0.373817129132597	0.709200017258912	0.00116313924859422	0.834301231572226
LAML	DPF2	cg15918224	0.0389425535256696	140	0.426918138556905	0.670203930678477	0.00151652247509964	0.808934318948616
LAML	DPF2	cg15929437	0.17197911059719	140	1.91243084440686	0.0582045180237947	0.0295768144818004	0.161034293873785
LAML	DPF2	cg18224556	0.282715576693145	140	3.22871325166007	0.00160400985963968	0.0799280973049376	0.00993885647318276
LAML	DPF2	cg19517014	0.127970233765672	140	1.41346517228323	0.160107830563371	0.0163763807300408	0.329875220373084
LAML	DPF3	cg00888802	-0.0361200315270872	139	-0.395933483831669	0.692857181144069	0.00130465667751777	0.823720204018059
LAML	DPF3	cg05151458	-0.0732324859695736	139	-0.804381537748788	0.422767380541312	0.00536299700128379	0.617838247704967
LAML	DPF3	cg07171024	-0.0657519426924977	139	-0.721838503082481	0.471797985198741	0.0043233179678375	0.659901336963104
LAML	DPF3	cg10266394	0.0503187126824939	139	0.551913037270621	0.582034326182654	0.00253197284602337	0.747285543579961
LAML	DPF3	cg12913429	0.129820561656687	139	1.43425033875058	0.154101650067216	0.0168533782288577	0.321524080005386
LAML	DPF3	cg13819165	0.14949497176966	139	1.65624746982212	0.100284353091554	0.0223487465844115	0.238717541634817
LAML	DPF3	cg14238615	-0.0044105195648393	139	-0.0483152910529088	0.961545289658551	1.94526828318302e-05	0.979823418084945
LAML	DPF3	cg14242696	-0.0714512910259794	139	-0.784715338805819	0.434166899962709	0.0051052869892792	0.627650147142781
LAML	DPF3	cg15392845	-0.0404605932748897	139	-0.443586830296631	0.658140100262267	0.00163705960815605	0.801028156287141
LAML	DPF3	cg15740492	0.0546241494027419	139	0.599272297815264	0.550121059085905	0.00298379769797307	0.722785300971607
LAML	DPF3	cg16696021	0.00548888490574758	139	0.0601286273487322	0.952153213816785	3.01278575085436e-05	0.974757298534847
LAML	DPF3	cg19710444	0.104688601247255	139	1.15314262809031	0.25114360676292	0.0109597032311067	0.444761103271594
LAML	DPF3	cg19839347	-0.0234304986827842	139	-0.25673873619515	0.79782012902223	0.000548988268523952	0.889472600492352
LAML	DPF3	cg20548765	0.0657745222221187	139	0.722087462741391	0.471645480072279	0.00432628777354799	0.659771065179149
LAML	DPF3	cg21035356	-0.0831195189929405	139	-0.913690458094922	0.3627111677822944	0.00690885443761779	0.561707056267828
LAML	DPF3	cg22784589	-0.016641712551893	139	-0.182326072993625	0.855634492887442	0.000276946586784517	0.923194265539807
LAML	DPF3	cg23515460	-0.0610335752965972	139	-0.669838089168492	0.504247907024801	0.0037250973134854	0.687513568520731
LAML	DPF3	cg24383902	0.000165266063015692	139	0.00181039903879889	0.998558517537715	2.73128715847066e-08	0.999208692107392
LAML	DPF3	cg25495195	-0.0826976479294623	139	-0.909021029552549	0.365161116886483	0.00683890097306529	0.564133802281852
LAML	DPF3	cg26057784	0.0366958645831468	139	0.402253982110392	0.688212727821411	0.00134658647750464	0.820800281393116
LAML	EED	cg00080012	0.0501458002589112	280	0.781068234772795	0.435525763460945	0.00251460128360661	0.628723695794703

LAML	EED	cg01739327	-0.0104629420702203	140	-0.114622061985788	0.908936259351145	0.000109473156764785	0.951621147492173
LAML	EED	cg02172616	-0.0218707441535014	140	-0.23963931857294	0.811018727584007	0.000478329449827916	0.898105612160633
LAML	EED	cg04607174	-0.0746287651328621	140	-0.819803277328727	0.413953607188538	0.00556945258525589	0.609526374001574
LAML	EED	cg06358433	-0.024645510466084	140	-0.270060070331752	0.787577926960345	0.000607401186133856	0.882988949817736
LAML	EED	cg10086030	-0.25928244554475	140	-2.94087011465949	0.00392814328598956	0.067227386567666	0.0204747724482594
LAML	EED	cg10535675	-0.21622313093425	140	-2.42599512654327	0.0167547585768432	0.0467524423510097	0.0635234763475287
LAML	EED	cg12672785	0.0671017006755455	140	0.736722771430077	0.462728847061743	0.0045026382335505	0.652117076329068
LAML	EED	cg16265078	0.0186105981672436	140	0.203904203110687	0.838773756302836	0.00034635436414261	0.913698406530171
LAML	EED	cg18574463	0.0613711295946325	140	0.673556684985728	0.501888455683329	0.00376641554772118	0.685648358449986
LAML	EED	cg19325359	-0.154626954001541	140	-1.71447351164996	0.0890233552106126	0.0239094949037947	0.219146981053553
LAML	EED	cg21042619	-0.181565121659509	140	-2.02256343801492	0.0453412096037135	0.0329658934032322	0.134369626623265
LAML	ELP3	cg01209934	-0.092834187767664	140	-1.02135822627451	0.309139412071386	0.0086181864184819	0.50776995993027
LAML	ELP3	cg02516513	-0.154887073323746	140	-1.71742849449693	0.0884805329049308	0.0239900054827955	0.218287424078711
LAML	ELP3	cg04720865	-0.213600619218938	140	-2.39515516924446	0.0181599722754665	0.0456252245307138	0.0675853649331502
LAML	ELP3	cg05621091	-0.27060754405737	140	-3.07924450060559	0.00257281172284765	0.0732284429007614	0.01455949044644
LAML	ELP3	cg15692687	-0.173628199520583	140	-1.93133616284322	0.0557996762288863	0.0301467516687593	0.156135530269404
LAML	ELP3	cg17572663	-0.00768987963778153	140	-0.0842409016402956	0.93300527480542	5.91342488435669e-05	0.964393882014999
LAML	ELP3	cg18022570	-0.0263811602156544	140	-0.289091747332647	0.773010005433491	0.000695965614324027	0.87416473372911
LAML	ELP3	cg18249244	-0.0585119234379609	280	-0.911794080481472	0.362784504214006	0.00342364518440979	0.5617746457612
LAML	ELP3	cg19781013	0.0425310439994982	140	0.466326201092152	0.641827451500433	0.00180888970368725	0.789630463145797
LAML	ELP3	cg22414525	0.0206768914980541	140	0.226552432444761	0.821157249114302	0.0004275338420223	0.903999250514371
LAML	ELP3	cg22487209	-0.258757702184119	140	-2.93449072762694	0.00400419066181358	0.0669555484396054	0.020759880596143
LAML	ELP3	cg25374552	0.0510483234767411	140	0.559936419677812	0.576566560841503	0.00260593132978599	0.743233840396757
LAML	ELP4	cg04972224	-0.133768874021384	139	-1.478653913478	0.141853003516644	0.0178941116569489	0.304078492066181
LAML	ELP4	cg05195750	-0.0862750312209233	139	-0.948632726707467	0.344713966672539	0.00744338101217129	0.543948850371674
LAML	ELP4	cg05635455	0.0847363713464863	139	0.931590995190724	0.353418417061856	0.00718025262896962	0.552462169692361
LAML	ELP4	cg08111895	0.0606551648662971	139	0.665669684571188	0.506899788620477	0.00367904902495768	0.689763200208875
LAML	ELP4	cg08626560	-0.0634906166518005	139	-0.696910921325908	0.487206420198411	0.00403105840282588	0.673509307026481
LAML	ELP4	cg09616795	-0.063365953635141	139	-0.695537023652449	0.488063594206973	0.00401524408009083	0.674203055041858
LAML	ELP4	cg10583382	-0.0269540004730412	278	-0.419458243017935	0.675253378180064	0.000726518141500705	0.81222514576173
LAML	ELP4	cg11385473	-0.0956754481328863	278	-1.49521987810923	0.136159935435834	0.00915379137542861	0.295490303566991
LAML	ELP4	cg13263383	-0.0244538076775898	139	-0.267958171599849	0.789191567415979	0.000597988709932549	0.883982733334658
LAML	ELP4	cg19328333	-0.111621806958327	139	-1.23044497807464	0.220937051240749	0.0124594277886421	0.409162291047532
LAML	ELP4	cg24001477	-0.0146967324712722	139	-0.161012027673311	0.872354683249306	0.000215993945332146	0.932338131155758
LAML	ELP4	cg24531794	0.077959310621291	139	0.856608512247974	0.393368656135513	0.00607765411254694	0.590166116412046
LAML	ELP4	cg25130734	-0.0503634402558987	139	-0.552404871731684	0.581698446712578	0.00253647611440948	0.747080519923707
LAML	EP300	cg00500400	0.00219701500227029	280	0.0341776150280618	0.972763689795434	4.82687492020074e-06	0.985679721671409
LAML	EP300	cg02046995	-0.00041603226630205	140	-0.0045574055324769	0.996371296771724	1.7308284660442e-07	0.998219042640818
LAML	EP300	cg07519229	-0.0864775786788544	140	-0.950876587775966	0.343578267230809	0.00747837161415744	0.542957705503467
LAML	EP300	cg08131204	-0.108435968336464	140	-1.19490233657565	0.234481465061538	0.0117583592290667	0.425448024807372
LAML	EP300	cg09331127	0.0354051212919674	140	0.388086985836622	0.698639262602041	0.00125352261369893	0.827130876970631
LAML	EP300	cg24349919	0.174166320756686	140	1.93750885396424	0.0550328575995357	0.0303339072859208	0.154702107541312
LAML	EPC1	cg02900516	-0.00543130669005034	140	-0.059497861390312	0.952654539781356	2.94990923613856e-05	0.975031922660075
LAML	EPC1	cg16942190	0.0248496192939513	140	0.272298026139886	0.785860849119822	0.000617503579054314	0.881864535108943
LAML	EPC1	cg26211455	0.0189325417108262	140	0.207432782871638	0.836023489189473	0.000358441135632174	0.912206843457732
LAML	EPC2	cg00066942	-0.115420686752153	139	-1.2728772964892	0.205522139861086	0.0133219349303387	0.389799091799824
LAML	EPC2	cg03664802	0.0471632275319761	139	0.517222839819516	0.605952676097921	0.00222437003123295	0.764479081569633
LAML	EPC2	cg04098458	-0.010609090058984	139	-0.116223299610665	0.907669849836256	0.000112552791879632	0.951044747167008
LAML	EPC2	cg05586854	0.160840642015352	139	1.78516308520615	0.0767611649896204	0.0258697121239108	0.197133172758568
LAML	EPC2	cg10458926	-0.0679769348939224	139	-0.746376461299447	0.45689977410254	0.00462086367757257	0.647138116095275
LAML	EPC2	cg11721798	0.018904619176748	139	0.207126742547192	0.836261945143315	0.000357384626217869	0.912326271392818
LAML	EPC2	cg12432635	-0.100381353423023	139	-1.1052049832324	0.271281759804216	0.0100764161150378	0.467572856308115
LAML	EPC2	cg16434205	0.0784911074321651	139	0.862487937932253	0.390139450869145	0.00616085394592768	0.58759599707493
LAML	EPC2	cg21347644	-0.0695867246310064	139	-0.764136715074777	0.446285696242325	0.00484231224487151	0.638123888420835
LAML	EPC2	cg21650422	-0.0593050261211598	139	-0.650799478571031	0.516420137667437	0.00351708612323145	0.69754467808627
LAML	EZH1	cg00728999	0.0826397494345487	140	0.908380225563178	0.365498077407302	0.006829328186605	0.564404252527366
LAML	EZH1	cg01716316	0.0423017706511175	140	0.463807844079337	0.643625649638082	0.00178943980021974	0.790776167096456

LAML	EZH1	cg03623386	0.0457265960805163	140	0.501434267209687	0.616984195395838	0.00209092158911069	0.772460379600739
LAML	EZH1	cg05375741	0.0525785003591811	140	0.576766400464179	0.565177646402939	0.00276449870002041	0.734700718940415
LAML	EZH1	cg05979501	-0.0318416206047691	140	-0.348984438028051	0.727712592245532	0.00101388880273806	0.845975561492071
LAML	EZH1	cg06975499	-0.106511415961416	280	-1.6664081760694	0.0969258900707165	0.0113446817301057	0.232810074477008
LAML	EZH1	cg12812489	-0.0287239003398185	140	-0.314784448323552	0.753472002468526	0.000825062450731826	0.862133594552597
LAML	EZH1	cg19395400	0.112045984998979	140	1.23518017078152	0.219176346794023	0.0125543027543915	0.407071687974364
LAML	EZH1	cg22227424	-0.00377371074114788	140	-0.0413392243233028	0.967094165987633	1.42408927578549e-05	0.982720372387135
LAML	EZH1	cg27088844	-0.0237621288890199	280	-0.369756378535807	0.711887385809949	0.000564638769338395	0.836034046250101
LAML	EZH2	cg01893439	-0.131358568868957	140	-1.45153872294957	0.149239269598225	0.0172550736153006	0.31469166885654
LAML	EZH2	cg02303805	0.192526167656085	140	2.14922657385395	0.0336243754018994	0.037066325232339	0.107459315586861
LAML	EZH2	cg06816161	0.00460401554975214	280	0.0716224326431103	0.942961542827117	2.11969591823595e-05	0.969621971617114
LAML	EZH2	cg13751213	-0.0363559501862937	140	-0.398522942286673	0.69095295912519	0.00132175511394827	0.822424102668152
LAML	EZH2	cg18494018	-0.0647502938578958	140	-0.710795536971576	0.478590186527178	0.00419260055468386	0.666090708181388
LAML	EZH2	cg20101066	0.081228305532017	140	0.892761616612438	0.37377167097539	0.00659803761960271	0.572396963953218
LAML	FBXL19	cg00026853	-0.0144968091499813	140	-0.158821277282096	0.874076667778163	0.00021015747553098	0.933346095957693
LAML	FBXL19	cg02291855	-0.103788689522532	140	-1.14312170604189	0.255263508810627	0.0107720920728046	0.449539761045274
LAML	FBXL19	cg03181514	-0.00103233954642352	140	-0.0113087191576099	0.990995919340113	1.06572493910991e-06	0.995204630536336
LAML	FBXL19	cg03627896	0.0695529429825969	279	1.0823732623361	0.280168484747887	0.00483761187754038	0.477383631997484
LAML	FBXL19	cg04477789	0.192456087684884	140	2.14841415339951	0.0336902571270458	0.0370393456869717	0.107607975978872
LAML	FBXL19	cg05643349	-0.00593768263947021	140	-0.0650452010482469	0.948246246846721	3.52560751270659e-05	0.972498069016714
LAML	FBXL19	cg05768582	-0.00716554731065182	140	-0.0784966532121667	0.937563735995527	5.13450682611895e-05	0.966584424037341
LAML	FBXL19	cg06862768	0.148078800635819	140	1.6402043132423	0.103581493954662	0.0219273311977426	0.244211987535125
LAML	FBXL19	cg07697662	0.0679845690960244	140	0.746460672879379	0.456849110078341	0.00462190163517212	0.647112355434261
LAML	FBXL19	cg08535091	0.0133376561471251	280	0.207503693904498	0.835791016574071	0.000177893071498944	0.912029938468577
LAML	FBXL19	cg08593668	0.0261827962042333	140	0.286916525060795	0.774671058294286	0.000685538817072414	0.875083946091106
LAML	FBXL19	cg09011601	-0.0538619490519644	140	-0.590885824542551	0.555708220780501	0.00290110955567641	0.727103652843456
LAML	FBXL19	cg11940219	-0.106435753830447	140	-1.17260615959246	0.243276317101126	0.0113285696934554	0.435889212137018
LAML	FBXL19	cg26666512	0.188052859240767	140	2.09743641455257	0.0380539652078026	0.0353638778686277	0.118018265403277
LAML	FBXL19	cg27602786	0.266760350830853	140	3.03208730190723	0.00297654797972144	0.0711610847754	0.0163598681315847
LAML	FBXW9	cg02753619	-0.0745548209941208	140	-0.818986452220386	0.414417657177834	0.0055584213334654	0.609990297859919
LAML	FBXW9	cg03160342	0.103257159078103	140	1.13720421019183	0.257718593887049	0.0106620409008806	0.452235587324321
LAML	FBXW9	cg05868316	-0.00572604468472212	280	-0.0890778109060126	0.929093746066805	3.27875877314344e-05	0.962468818440456
LAML	FBXW9	cg06489804	0.00103707287391368	280	0.0161330764337644	0.987141518455214	1.07552014580758e-06	0.993204285131626
LAML	FBXW9	cg12110584	0.234657496914888	140	2.64438016937324	0.00927828053331391	0.0550641408583609	0.0402405394329388
LAML	FBXW9	cg14342428	-0.121827307936109	140	-1.34456655020271	0.181301306984702	0.0148418929589595	0.358564989845378
LAML	FBXW9	cg15828427	0.147516316865846	140	1.63383505977354	0.10491444186687	0.0217610637416646	0.246510437965245
LAML	FBXW9	cg19721801	-0.0270294687990897	140	-0.296201216489585	0.767588418531782	0.000730592183560965	0.871199752432982
LAML	FBXW9	cg21564527	-0.155447864284279	140	-1.72380038463807	0.0873192251302457	0.0241640385105437	0.216135155422773
LAML	FBXW9	cg22303873	0.0494067001294931	140	0.54188506384441	0.588902464137315	0.00244102201768565	0.752339019496964
LAML	FKBP1A	cg04613791	-0.0488029064267271	280	-0.760100768280768	0.447934221433295	0.00238172367569588	0.639433991892648
LAML	FKBP1A	cg07516946	0.00786112685110593	140	0.086116991015742	0.931516941606444	6.17973153691786e-05	0.963713397903208
LAML	FKBP1A	cg10996143	-0.0684863241762722	280	-1.06790455422027	0.286627686480415	0.00469037659917744	0.483981489479561
LAML	FKBP1A	cg21332426	-0.00941347677371334	140	-0.103124040664908	0.91803666554131	8.86135449692405e-05	0.956844747303691
LAML	FKBP1A	cg21775445	-0.2237803384511	140	-2.51517665884949	0.013219625323572	0.0500776398772887	0.0530106975475236
LAML	FKBP1A	cg24641773	0.0568865374057678	140	0.624171547440534	0.533699755725596	0.00323607813801782	0.710692208095122
LAML	FKBP1A	cg26779912	0.0153629574841202	140	0.16831263106557	0.86662069171057	0.000236020462658883	0.929120499004858
LAML	FKBP2	cg03764062	0.246597812036374	140	2.78742520812499	0.00617874688503694	0.0608104809011269	0.0293556513481473
LAML	FKBP2	cg04446112	0.223868203960032	140	2.51621631654441	0.0131826839942785	0.0501169727442905	0.0528952815479113
LAML	FKBP2	cg06615912	-0.029200088235691	140	-0.320007395627209	0.749519228345474	0.000852645152972138	0.859658746535966
LAML	FKBP2	cg09854726	-0.110085970934004	140	-1.21330577986772	0.227395784319735	0.0121189209964824	0.417059678202481
LAML	FKBP2	cg10998122	0.104026765004697	140	1.14577250652066	0.254169085197912	0.0108215678373425	0.448292330330477
LAML	FKBP2	cg12423493	0.0884479441756673	140	0.97271093197501	0.332653649618401	0.00782303882890196	0.5323398870939
LAML	FKBP2	cg15010817	0.0829709309853893	140	0.912045773513927	0.363573238083068	0.00688417538858223	0.56250380819049
LAML	FKBP2	cg16977872	0.247709067954638	279	3.96918048405152	9.52101889786483e-05	0.0613597823469556	0.000924460988692582
LAML	FKBP2	cg19924313	0.174955643618866	140	1.94656627382091	0.0539237913662593	0.0306094772340917	0.15244930136086
LAML	FKBP2	cg21809711	0.0485296309435363	140	0.532242589892649	0.595542080534524	0.00235512507951583	0.756887637928933
LAML	FKBP2	cg22074794	0.0469082346593632	140	0.514420237427646	0.60790433053991	0.00220038247885789	0.765764358534607

LAML	FKBP2	cg24677501	-0.206090394182787	140	-2.3071345095471	0.0227614738476368	0.0424732505744167	0.0802895663599827
LAML	FKBP5	cg00130530	-0.108949913412683	140	-1.20063358726674	0.232258042919706	0.0118700836326312	0.422857595330938
LAML	FKBP5	cg00140191	-0.084799053774446	140	-0.932285114792732	0.353061153589195	0.00719087952104139	0.552083583382687
LAML	FKBP5	cg00610228	-0.108501531645242	140	-1.19563341076141	0.23419700045632	0.0117725823693635	0.425137168970414
LAML	FKBP5	cg01294490	-0.0828219059526309	140	-0.910396313127324	0.364438600907792	0.00685946810562644	0.56339707700184
LAML	FKBP5	cg07485685	0.0677792771223982	140	0.744196177977897	0.458212605241723	0.00459403040723486	0.648230469509683
LAML	FKBP5	cg07843056	-0.0890909396031633	140	-0.979838678274047	0.329137061989123	0.00793719551937449	0.528820600159404
LAML	FKBP5	cg08636224	0.0536285326223044	280	0.835466453785252	0.404279210313312	0.00287601951122156	0.600693257579957
LAML	FKBP5	cg08915438	0.0865760618761124	140	0.951967647151272	0.343026917832621	0.00749541448997645	0.542327797429914
LAML	FKBP5	cg10913456	-0.0920234614103993	140	-1.01236212811502	0.313401840123665	0.00846831744995125	0.512470472949667
LAML	FKBP5	cg16012111	-0.101524094223478	140	-1.11791691731702	0.265835542216479	0.0103071417078977	0.461626602629273
LAML	FKBP5	cg17030679	0.0948960255344486	140	1.04424636206678	0.298470467166086	0.00900525566223471	0.496653967551297
LAML	FKBP5	cg20813374	-0.0477642207041708	140	-0.523828700465217	0.601363810956352	0.00228142077947674	0.761037485514355
LAML	FKBP5	cg25114611	0.0741050664900843	140	0.814018524005332	0.417246710536633	0.00549156087949981	0.612716901983669
LAML	FMR1	cg02921434	-0.0610189284940772	139	-0.669676740985309	0.504350416484714	0.0037233096345653	0.687617180161442
LAML	FMR1	cg03513471	-0.0572315457761146	139	-0.627969457209838	0.531217214929073	0.0032754498319235	0.708927521626821
LAML	FMR1	cg04552106	-0.0589252095985478	139	-0.646616891431414	0.519114769207263	0.00347218032623279	0.699831124706415
LAML	FMR1	cg04744025	-0.0549191591295369	139	-0.602518564409721	0.5479659058114	0.0030161140394954	0.721208311649923
LAML	FMR1	cg05288927	-0.0811999868912201	139	-0.892448306798141	0.373938831392815	0.00659343787113432	0.572587573664281
LAML	FMR1	cg07147350	-0.0204849638737243	276	-0.317418302426193	0.751202194570944	0.000419633744907792	0.860644870785511
LAML	FMR1	cg08434396	-0.0437846228569478	276	-0.681782716164156	0.496028323452422	0.00191709319872516	0.680889089948612
LAML	FMR1	cg14470409	-0.0843885457207967	139	-0.927739518482889	0.355404975416081	0.007121426648871	0.554246804605973
LAML	FMR1	cg16783314	-0.0459346561306172	139	-0.503720650731932	0.615381181013264	0.00210999263383805	0.771159356107862
LAML	FMR1	cg22625568	-0.113617548974584	139	-1.25272986633934	0.212739769942054	0.012908947434992	0.399033447901935
LAML	FXR2	cg01807919	0.0542266308118887	140	0.594898279571319	0.553031581269702	0.00294052748920888	0.725149362838714
LAML	FXR2	cg01933235	0.0276191404476538	140	0.302667986995659	0.762666918691113	0.000762816919067228	0.867990179793534
LAML	FXR2	cg05529097	-0.0993936925371171	280	-1.55389759877757	0.121515624695964	0.00987910611616297	0.273024101998551
LAML	FXR2	cg05913233	-0.0276689177414031	140	-0.303213895577761	0.76225189917544	0.000765569008980531	0.867827078068991
LAML	FXR2	cg09625173	0.234983913042817	140	2.64827341290118	0.00917803649049309	0.055217439388914	0.039920193790862
LAML	FXR2	cg17777561	-0.179197442101683	140	-1.99530740529416	0.0482748135122604	0.0321117232557861	0.140565895461949
LAML	FXR2	cg19178740	0.0431100548828182	140	0.472686432952779	0.637295492781015	0.0018584768319996	0.78662402128338
LAML	FXR2	cg22521096	-0.0423015223917537	140	-0.463805117218252	0.643627597863761	0.00178941879666004	0.790776167096456
LAML	FXR2	cg26904212	0.00768471083132576	280	0.119549575125419	0.904939151019272	5.90547805610954e-05	0.949628860485792
LAML	G2E3	cg02259031	-0.0104525922929899	140	-0.114508667255106	0.909025951507595	0.000109256685643472	0.951621147492173
LAML	G2E3	cg05076167	0.0976414146362072	140	1.07474359630342	0.284645787508576	0.00953384585215974	0.481940809921043
LAML	G2E3	cg07906495	-0.0236213099529794	280	-0.367563904302666	0.713519684579861	0.000557966283894726	0.837003337639002
LAML	G2E3	cg08810065	-0.0207091387481831	280	-0.322227697763194	0.747558391252276	0.000428868427691499	0.858350397706137
LAML	G2E3	cg09837748	0.00470269007545823	140	0.0515159583541133	0.959000041699249	2.21152939458133e-05	0.978508836797495
LAML	G2E3	cg18580322	-0.111444606787716	140	-1.22846705545423	0.221675541839153	0.0124199003820686	0.410175941341841
LAML	G2E3	cg18755078	-0.0780217633603166	140	-0.85729893743	0.392988600925776	0.00608739555785324	0.589842764979467
LAML	G2E3	cg18956956	0.0419056297718637	140	0.459456773356616	0.646737451182188	0.00175608180657651	0.792881463671375
LAML	G2E3	cg19554565	0.0398565633431624	140	0.436953974759758	0.662930009401485	0.00158854564152752	0.804040740733371
LAML	G2E3	cg21061067	-0.0318501553793044	140	-0.349078074205835	0.727642476014219	0.00101443239768583	0.845962420453748
LAML	G2E3	cg22926526	-0.127021124174002	140	-1.40280943927264	0.163255651023449	0.0161343659864272	0.334183510044158
LAML	GADD45	cg01810953	-0.0789730507171758	140	-0.867816834064349	0.387226757666412	0.00623674273957762	0.585180434086422
LAML	GADD45	cg02639608	-0.11627517701144	140	-1.28242941742717	0.202163830017518	0.0135199167890416	0.385656580476501
LAML	GADD45	cg04718306	-0.0182846997118	280	-0.284490734383669	0.776277620132461	0.0003343302435507	0.876165994640329
LAML	GADD45	cg07000785	-0.022837731952612	280	-0.355364417248441	0.72262614118485	0.000521562000739353	0.842839513751129
LAML	GADD45	cg22224769	0.114396943871639	140	1.26143691432783	0.20959812483699	0.013086660767171	0.395083146121218
LAML	GADD45	cg23369529	-0.0440186411039081	140	-0.482667898903928	0.630210896653857	0.00193764076463467	0.781766712103262
LAML	GADD45	cg23723105	0.0514607169932321	140	0.564471824602664	0.573486667676983	0.00264820539345753	0.740884166020613
LAML	GATAD2A	cg02887458	0.0614755348517843	140	0.674706890420144	0.501159849389941	0.00377924138531295	0.684959843346529
LAML	GATAD2A	cg08505228	0.144601495359689	140	1.60085504620273	0.112038420254695	0.020909592460258	0.258249388601296
LAML	GATAD2A	cg08870822	0.0104060743423202	140	0.113999005484389	0.909429094627592	0.000108286383217894	0.951926467451446
LAML	GATAD2A	cg09334331	-0.0480830832832814	140	-0.527333733009398	0.598935451192864	0.00231198289802697	0.75928598533525
LAML	GATAD2A	cg11795262	0.0238833797475528	280	0.371644206085798	0.710482960070731	0.000570415828165813	0.835090674700729
LAML	GATAD2A	cg14948912	-0.0295622058516392	140	-0.3239793374959	0.746517673121102	0.000873924014814692	0.857632664295695

LAML	GATAD2A	cg15264323	-0.0297856317859801	140	-0.326430082255525	0.744667607985732	0.000887183860889989	0.856531801987788
LAML	GATAD2A	cg22191731	-0.00743885791521989	140	-0.0814908603898897	0.935187355884383	5.53366070828296e-05	0.965493651574875
LAML	GATAD2A	cg26631329	0.154437584095851	140	1.71232247941072	0.089420199973394	0.023850967381363	0.219852565871186
LAML	GATAD2E	cg02134200	0.202988833835139	140	2.27090920403406	0.0249353373720168	0.0412044666617496	0.0860230437037106
LAML	GATAD2E	cg02940454	-0.0460829801632841	140	-0.505350631910797	0.614239512390246	0.00212364106072963	0.77057826955094
LAML	GATAD2E	cg09805553	0.17105512835181	140	1.90184547454964	0.0595886986760342	0.0292598569354541	0.163849965531012
LAML	GATAD2E	cg10226922	0.220528411385529	140	2.47674377617809	0.0146519296845729	0.048632780228225	0.0573240906196775
LAML	GATAD2E	cg10489353	0.280158544270366	140	3.1970114264226	0.00177542999673966	0.0784888099276904	0.0107912962861446
LAML	GATAD2E	cg15064304	-0.0797383136113723	140	-0.876279683671177	0.382628774975486	0.00635819865758557	0.580941945016978
LAML	GATAD2E	cg20773694	0.0354772582985134	140	0.388878698361897	0.698055039352155	0.00125863585637944	0.82680199451243
LAML	GATAD2E	cg23046518	0.0771694326159938	140	0.847877155356254	0.398194394694718	0.00595512133027441	0.594800536081713
LAML	GATAD2E	cg23323627	0.154633158394137	140	1.71454398994704	0.089010376988422	0.0239114136749463	0.219132536278752
LAML	GATAD2E	cg26398333	0.141448233103378	140	1.56522507468041	0.120163486108068	0.0200076026480675	0.270948617091998
LAML	GLYR1	cg00636946	0.0089704887045993	140	0.0982707342932939	0.921881276981076	8.04696675993436e-05	0.959045279896789
LAML	GLYR1	cg00885266	-0.0412423820121818	140	-0.452172380437005	0.65196111536074	0.00170093407403873	0.796567814372712
LAML	GLYR1	cg01261535	-0.0372311919959631	280	-0.579583260651861	0.562734841734149	0.00138616165744027	0.73287230518409
LAML	GLYR1	cg01565912	0.0715327642140448	140	0.785614719296119	0.433641680387748	0.00511693635610213	0.627190973359445
LAML	GLYR1	cg02454264	-0.0664652629526075	140	-0.729704041863588	0.466993117059312	0.00441763117935926	0.656106311038488
LAML	GLYR1	cg06399529	-0.0439997739760567	140	-0.482460617969419	0.630357672964831	0.00193598010994407	0.781844116175221
LAML	GLYR1	cg06976003	0.013301494531619	140	0.145723464048781	0.884384197514751	0.00017692975677469	0.938707966237278
LAML	GLYR1	cg11289281	0.00031268363056369	140	0.00342527772389341	0.997272716872938	9.77710528224903e-08	0.998620573522807
LAML	GLYR1	cg15663121	-0.0289336127406131	280	-0.450289903456719	0.652904543737579	0.000837153946223771	0.797288419858746
LAML	GLYR1	cg18354686	-0.02989389396197	140	-0.327617620719201	0.743771671682115	0.000893644896209509	0.85604766719286
LAML	GTF2B	cg02705666	-0.0185239579216787	280	-0.288214610531836	0.773429159295524	0.000343137017084124	0.874321222651288
LAML	GTF2B	cg04270788	-0.0234051337331089	280	-0.36419820070384	0.716028020966853	0.000547800285064714	0.83856289394645
LAML	GTF2B	cg05306856	-0.107422009432213	140	-1.18359802790989	0.238911599250041	0.0115394881104545	0.43069749384881
LAML	GTF2B	cg06356032	-0.0256401504077248	140	-0.28096614631129	0.779220230241428	0.000657417312930752	0.877945986608952
LAML	GTF2B	cg07167781	0.0345074144139402	140	0.378235046485818	0.705924263350953	0.00119076164953541	0.832285166529622
LAML	GTF2B	cg10430205	-0.139556524652369	140	-1.54387331201331	0.125252130793666	0.0194760235730472	0.278808689388743
LAML	GTF2B	cg12074130	-0.0455121756472603	140	-0.499078057500228	0.618638101737027	0.00207135813214708	0.773688979049231
LAML	GTF2B	cg13868361	0.0643473105588541	140	0.706353342028256	0.481337629806781	0.00414057637615762	0.668592286062006
LAML	GTF2B	cg14010405	-0.0358244789341146	140	-0.392689572945042	0.695245445142105	0.00128339329090082	0.825298301051116
LAML	GTF2B	cg17811845	-0.0897836252262404	140	-0.98751863308286	0.325375434383212	0.00806109935876599	0.524823896794683
LAML	GTF2B	cg22607980	0.00786625063977757	140	0.08617312451511	0.931472413668173	6.1877899127801e-05	0.963712161049667
LAML	GTF2H1	cg05849260	0.0255337184058018	139	0.279799096245229	0.780113365494228	0.000651970775626779	0.878545110675729
LAML	GTF2H1	cg07583091	-0.110342856637135	139	-1.21617188567965	0.22630633421829	0.0121755460108433	0.41582679777452
LAML	GTF2H1	cg08690812	-0.10248451177135	139	-1.12860412979397	0.261316133188537	0.0105030751530121	0.456653127238337
LAML	GTF2H1	cg10797557	-0.072856594887126	139	-0.80023068115114	0.425158537929987	0.00530808341854679	0.620015074294317
LAML	GTF2H1	cg11063328	0.01859623012494	139	0.203746727349745	0.83889654377547	0.000345819774859728	0.913772219544876
LAML	GTF2H1	cg11176342	-0.0623152934038086	139	-0.683959102755759	0.495319662237737	0.0038831957200275	0.680159297896487
LAML	GTF2H1	cg11347316	0.0822736311623035	139	0.904328347362916	0.367633266153009	0.00676895038463075	0.566554324625736
LAML	GTF2H1	cg11662851	-0.0144495595618485	139	-0.158303521301509	0.874483725472481	0.000208789771531407	0.933523436882924
LAML	GTF2H1	cg13777411	0.080565107398705	278	1.25738626763456	0.209825877897442	0.00649073653016488	0.395368753213041
LAML	GTF2H1	cg14132868	0.0797331514530072	139	0.87622259145564	0.382659680008227	0.00635737544062819	0.580941945016978
LAML	GTF2H1	cg17174493	-0.0841427776359375	139	-0.925018331993234	0.356812831945924	0.00708000702829082	0.555669164599456
LAML	GTF2H1	cg18321761	0.0170342567300077	139	0.186628011734359	0.852267449174759	0.000290165902343813	0.921260753961499
LAML	H2AFZ	cg02758870	0.00524627508002705	140	0.0574708549863316	0.954265709994876	2.75234022153129e-05	0.975725807911641
LAML	H2AFZ	cg09308803	0.0223976325777982	140	0.245415336459301	0.806554077012875	0.000501653945090047	0.895130504838216
LAML	H2AFZ	cg16267491	-0.00715576106730097	280	-0.111320367966818	0.911454576448505	5.12049164523003e-05	0.952960334060511
LAML	H2AFZ	cg17709884	0.067492111559677	280	1.05233037023146	0.293697621029537	0.00455518512278389	0.491458337161849
LAML	H2AFZ	cg20934652	-0.0688265986570239	140	-0.755749769115439	0.451280188664079	0.00473710068269505	0.641901758884908
LAML	H2AFZ	cg23752380	-0.0495588888934834	140	-0.543558350146615	0.587753804138691	0.00245608346835663	0.751515720048081
LAML	H2AFZ	cg24061702	-0.109049506543881	140	-1.20174431110663	0.231828899250122	0.0118917948774638	0.422400340217502
LAML	H3F3A	cg06319713	-0.0393589592646012	140	-0.431490142780108	0.666886230428808	0.00154912767439254	0.806731850144699
LAML	H3F3A	cg10632229	0.167892373677489	140	1.86565110561828	0.0645321641276316	0.0281878491390615	0.173601742034199
LAML	H3F3A	cg10983539	0.0370151051576241	140	0.40575822486853	0.685642833646524	0.00137011800982997	0.819064291938097
LAML	H3F3A	cg11978873	0.0801107486291771	140	0.880398911869837	0.380403052653582	0.00641773204592721	0.578781814089528

LAML	H3F3A	cg15538837	-0.00863433353365386	280	-0.134323714563813	0.893258246115059	7.45517155703795e-05	0.943377526754658
LAML	H3F3A	cg15624314	0.0858520528255243	140	0.943947269643108	0.347093254871407	0.00737057497435661	0.546365812128183
LAML	H3F3A	cg16724613	-0.0571009510907117	140	-0.626531822624197	0.532156240887001	0.00326051861546385	0.709669368364846
LAML	H3F3A	cg16727519	0.002777815392589	140	0.0304295604235227	0.975775021892165	7.71625835530436e-06	0.987311465865632
LAML	H3F3A	cg18947521	0.0251460349229526	280	0.391304234818612	0.695916678326565	0.000632323072346352	0.825679326405209
LAML	H3F3A	cg19410789	0.0876740220785788	140	0.96413345911895	0.336917933105732	0.00768673414743513	0.536511446339575
LAML	H3F3A	cg21266749	-0.0204171010562485	140	-0.223704767570313	0.823367436062916	0.000416858015541065	0.904972468120184
LAML	H3F3A	cg21789564	0.0620182276824352	140	0.680685954496394	0.497381524694135	0.00384626056487037	0.681796683683339
LAML	H3F3A	cg22519151	0.0449813302801813	140	0.493245034173351	0.622740915317278	0.00202332007377475	0.776552020817708
LAML	H3F3A	cg27530209	0.0467411461748852	140	0.512583838492734	0.609184684765658	0.00218473474574198	0.76678482454467
LAML	H3F3A	cg27560444	0.00101534585937913	140	0.0111225623503059	0.991144132467211	1.03092721415834e-06	0.99526328916156
LAML	HAT1	cg00414306	-0.111011474209542	140	-1.22363289367395	0.223487989925395	0.0123235474061757	0.412342868045162
LAML	HAT1	cg01583365	-0.187137745760538	140	-2.08685839693338	0.0390180600954772	0.0350205358883356	0.120288934258047
LAML	HAT1	cg04507121	-0.0645887166257977	140	-0.709014385208007	0.479690764148781	0.0041717023153676	0.66697164086131
LAML	HAT1	cg04950839	0.0257400713738565	140	0.282061810153324	0.778381994883486	0.000662551274331227	0.877395477939084
LAML	HAT1	cg05421799	-0.0782935435823783	140	-0.860303630321659	0.391337246613446	0.0061298789668577	0.588443052478863
LAML	HAT1	cg09545452	-0.0977244404578624	140	-1.07566627327045	0.284234478647167	0.0095500662628023	0.481522891267631
LAML	HAT1	cg10190161	-0.0949303072287871	140	-1.04462703150685	0.298295154298451	0.00901176323055191	0.496506662862775
LAML	HAT1	cg12941622	-0.157428626113244	140	-1.74632016422472	0.0833142953659189	0.0247837723199037	0.208906329092863
LAML	HAT1	cg13293756	-0.00486825003202005	140	-0.0533296391184441	0.957557945076806	2.36998583742633e-05	0.977638042321234
LAML	HAT1	cg14446129	-0.167062801255196	140	-1.85616739608082	0.0658827072282985	0.0279099795632331	0.176276590567142
LAML	HAT1	cg16017358	0.0397875430115778	280	0.619439407878867	0.536209664904461	0.00158304857889815	0.712400428178735
LAML	HAT1	cg24611092	-0.0798393919034427	140	-0.877397599290733	0.382023939506363	0.00637432849951151	0.580498434725074
LAML	HDAC1	cg03762702	-0.127241649253867	139	-1.40528494241864	0.162520179550416	0.0161904373048441	0.333160158316294
LAML	HDAC1	cg04967775	0.0173856487305554	139	0.190479029077483	0.849255641662818	0.000302260781782261	0.919617281175022
LAML	HDAC1	cg06473843	-0.0076640336171819	139	-0.0839577476387543	0.933229926358042	5.87374112852942e-05	0.964497939354575
LAML	HDAC1	cg10842753	-0.0667974415459216	139	-0.73336724447607	0.4647647685658	0.00446189819708081	0.653991325057572
LAML	HDAC1	cg14172124	-0.130090275437558	139	-1.43728136390693	0.153240467289772	0.0169234797634198	0.320419000466081
LAML	HDAC1	cg20002354	-0.241305274848062	139	-2.72385889423781	0.00741619062506827	0.0582282356694989	0.0338875261959801
LAML	HDAC1	cg20793809	0.0321997207990299	139	0.352913270111975	0.724772611353456	0.00103682201953548	0.844066145256971
LAML	HDAC1	cg21930229	-0.112750435149681	139	-1.24304561476315	0.216274294097407	0.0127126606264425	0.403526815654351
LAML	HDAC1	cg23018091	-0.282445830506409	139	-3.22536545316261	0.00162135549957901	0.0797756471704552	0.0100247758491694
LAML	HDAC1	cg26115470	-0.129385514817548	139	-1.42936199402554	0.155498379258684	0.016740611444602	0.32349684216853
LAML	HDAC10	cg00711351	0.294340874110528	140	3.37380039001433	0.000998851676816336	0.0866365501721497	0.00670735151888218
LAML	HDAC10	cg01120165	0.288950864565804	280	4.69530375859664	4.46153289565111e-06	0.0834926021333257	6.43934118894773e-05
LAML	HDAC10	cg04321608	0.270118420641405	140	3.07324027416781	0.00262123961336105	0.0729639611698071	0.014779786510242
LAML	HDAC10	cg04586023	0.0939691710717307	280	1.46831437101037	0.143317430406161	0.00883020511190818	0.306163120085041
LAML	HDAC10	cg07482373	-0.00686909811389031	140	-0.0752489750477867	0.940141921770863	4.71845088982514e-05	0.968181526088382
LAML	HDAC10	cg07744063	0.366613412842767	140	4.3165989658401	3.27786928407609e-05	0.134405394476221	0.000368228971964498
LAML	HDAC10	cg09151829	0.303567488646432	140	3.49011391365644	0.000676142106359112	0.0921532201631019	0.00483898795051525
LAML	HDAC10	cg10508940	0.458217966333715	140	5.64727861409881	1.11349835508086e-07	0.209963704671006	2.39622381840002e-06
LAML	HDAC10	cg11645658	-0.125456264587929	140	-1.38524916621049	0.168545921255175	0.0157392743243564	0.341686073855348
LAML	HDAC10	cg12464820	0.192273943677403	140	2.14630276082207	0.0338619995567503	0.0369692694172611	0.108054489253777
LAML	HDAC10	cg26943378	0.0743070306114933	140	0.816249330761863	0.415974924287929	0.0055215347982974	0.611541939301065
LAML	HDAC11	cg01409735	-0.239697681254841	140	-2.70460224340488	0.00783322030121666	0.0574549783989475	0.0353549280641012
LAML	HDAC11	cg01712016	-0.0151779014185796	280	-0.236139935570335	0.813523822110078	0.000230368691472122	0.899541926191905
LAML	HDAC11	cg02762546	-0.193715597548426	140	-2.16302057262399	0.0325226885387021	0.0375257327335436	0.104803861984996
LAML	HDAC11	cg02941903	0.161144274652028	140	1.78862284689181	0.0761987002276914	0.0259674772531282	0.196103006666436
LAML	HDAC11	cg05987698	-0.219239274395141	140	-2.46153223616406	0.0152560599536697	0.0480658594373078	0.0591758041501686
LAML	HDAC11	cg07450135	0.0451069149694199	140	0.494624943085425	0.621769241196371	0.00203463377805847	0.775961752224085
LAML	HDAC11	cg08051076	0.0067767011957614	140	0.0742367468396555	0.940945615419657	4.5923679096634e-05	0.968432291773037
LAML	HDAC11	cg08448040	-0.0485431856555119	280	-0.756046060975284	0.450356892914651	0.0023564408735855	0.641186135052775
LAML	HDAC11	cg10061496	-0.107084452477971	140	-1.17983554250208	0.240399289158652	0.0114670799625067	0.432437447702919
LAML	HDAC11	cg10455785	0.0476719028188763	140	0.522813944754565	0.602067693921268	0.00227261031837238	0.761591602042043
LAML	HDAC11	cg11432034	-0.255447031829765	140	-2.8943062805065	0.00451516610460694	0.065253186070637	0.0228471986432804
LAML	HDAC11	cg13397067	-0.00722144683179028	140	-0.0791090493193575	0.937077655668895	5.21492943443739e-05	0.966381906874873
LAML	HDAC11	cg13706066	-0.251233146436537	140	-2.84331603791851	0.00524951852137412	0.0631180938684023	0.0257783767107548

LAML	HDAC11	cg16254764	-0.2484061085584	280	-3.98933393210786	8.78347150699914e-05	0.0617055947691277	0.000860472714287232
LAML	HDAC11	cg18521047	-0.182677884545837	140	-2.03538576877357	0.0440146088558545	0.0333712095021421	0.13142718617174
LAML	HDAC11	cg19779799	-0.195920325834232	140	-2.18861540525186	0.0305612576571307	0.0383847740749917	0.100070817332218
LAML	HDAC11	cg20894727	-0.275445062290632	140	-3.13876698522568	0.00213558442926804	0.0758699823402899	0.0125205859590382
LAML	HDAC11	cg20922324	-0.0194384515501152	140	-0.212977808935519	0.83170566211252	0.000377853398666177	0.909754081529547
LAML	HDAC11	cg21655280	-0.244539562493636	140	-2.76267334510943	0.00663630032789041	0.0597995976245791	0.0310553625907066
LAML	HDAC11	cg25127083	-0.221982315273428	140	-2.49391590523276	0.0139956683623257	0.0492761482941518	0.0553353844571441
LAML	HDAC11	cg25150878	-0.194285266470813	140	-2.16963061483968	0.0320059518792438	0.0377467647676346	0.103567697703668
LAML	HDAC11	cg27025856	-0.203892108779732	280	-3.23987572856286	0.00136359926015464	0.0415719920226459	0.00868865925501436
LAML	HDAC2	cg00161229	0.0315576557192737	140	0.345869063904613	0.730046745523591	0.000995885634496207	0.847382300159085
LAML	HDAC2	cg01129566	0.165662507069451	140	1.8401683576324	0.0682145024411047	0.0274440662485358	0.180958021816953
LAML	HDAC2	cg08198132	0.0336593173800443	140	0.368928395860313	0.712831220657057	0.00113294964649055	0.836561549296933
LAML	HDAC2	cg10999867	0.00015229382865002	140	0.00166829532575558	0.998671663759075	2.31934102448818e-08	0.999275385680136
LAML	HDAC2	cg13393754	-0.0239531414754593	140	-0.262468825124023	0.793410075735712	0.000573752986543371	0.886819533475647
LAML	HDAC2	cg15005908	0.0809321110548979	140	0.889484708216063	0.375522318168585	0.00655000659980233	0.574082647169086
LAML	HDAC2	cg15242771	-0.0229825518441361	140	-0.251827757685744	0.801604981769355	0.000528197689268404	0.891739183898286
LAML	HDAC2	cg18387216	-0.0737581712054569	280	-1.15054176238396	0.251056408451224	0.00544026781957349	0.444687560235571
LAML	HDAC2	cg18674783	0.208913984224346	140	2.34017631894174	0.0209258804250059	0.0436450528044904	0.0753975240508965
LAML	HDAC2	cg22867643	5.83111400958172e-05	140	0.00063876653677242	0.99949139875544	3.40018905927402e-09	0.999761926316662
LAML	HDAC2	cg24023618	-0.0932682815853027	140	-1.02617592152717	0.306872771640227	0.00869897234987532	0.505352675634627
LAML	HDAC3	cg01947930	-0.184580519005362	139	-2.0573285423094	0.0418213469876477	0.0340699679962887	0.126486507795443
LAML	HDAC3	cg01961137	-0.128930310985088	139	-1.42424805663369	0.15696995867947	0.0166230250907114	0.325600495027482
LAML	HDAC3	cg04284814	-0.104595582966636	278	-1.63609968292166	0.103118586513979	0.0109402359761304	0.243445233044079
LAML	HDAC3	cg08520975	-0.0213676106116473	139	-0.234123900276324	0.81528776337276	0.000456574783250984	0.900598136327283
LAML	HDAC3	cg10414058	-0.269107501693801	278	-4.34667860590178	2.03630323604813e-05	0.072418847467879	0.000243299299562476
LAML	HDAC3	cg11064797	-0.095036694565782	278	-1.48514611913093	0.138806568099987	0.00903197331398974	0.29942928094641
LAML	HDAC3	cg11153694	-0.212893552620363	139	-2.38684959710811	0.0185558496712978	0.0453236647473194	0.0687004459037187
LAML	HDAC3	cg12082871	-0.156428513895479	139	-1.73494695466779	0.0853176740214007	0.024469879959548	0.212608211058391
LAML	HDAC3	cg14098966	-0.219435696669466	139	-2.46384909985757	0.0151626345669163	0.0481520249728139	0.0588809461138464
LAML	HDAC3	cg17940889	-0.1637251497511	139	-1.81805195983763	0.0715506437947765	0.0268059246610202	0.187319898481267
LAML	HDAC3	cg18671773	-0.231887805909669	139	-2.61138332353438	0.0101684215368596	0.0537719545296003	0.043198241279712
LAML	HDAC3	cg19549288	-0.111737111467863	139	-1.2317320801427	0.220457450246671	0.0124851820791817	0.408680254604779
LAML	HDAC3	cg20642138	-0.0925033777086845	139	-1.01768719780372	0.310874068882268	0.00855687488751555	0.509762179390143
LAML	HDAC3	cg23421926	-0.241183604280853	139	-2.72240062621471	0.00744705124292223	0.0581695309739029	0.0339846251183136
LAML	HDAC3	cg24385322	-0.223496729805984	278	-3.56702213994042	0.00043513089731043	0.049950788233969	0.00333240529881548
LAML	HDAC6	cg07153944	-0.0206984942692717	139	-0.226789230948281	0.820973524762125	0.000428427665015074	0.903835362505233
LAML	HDAC6	cg07674520	-0.0499474729044492	139	-0.547830929351674	0.58482557933697	0.00249475004954069	0.749397481781259
LAML	HDAC6	cg10783042	0.0242876270689169	278	0.377938294818651	0.705807717430424	0.000589888828638784	0.832223434981621
LAML	HDAC6	cg12510923	-0.0798351806161611	139	-0.877351022338603	0.382049127574528	0.00637365606401507	0.580501243532454
LAML	HDAC6	cg13178935	-0.0359491131622379	139	-0.394057514240004	0.694237950897723	0.00129233873715138	0.824734377970954
LAML	HDAC6	cg17152375	0.0161572550546915	139	0.177016968474267	0.859793490669048	0.000261056890902353	0.925481304917936
LAML	HDAC6	cg24616736	-0.0786532342692814	277	-1.22482100098405	0.2218384797488	0.00618633126101847	0.410296129370839
LAML	HDAC6	cg26680189	-0.0153790457144678	139	-0.168488931276386	0.866482309743648	0.000236515047087691	0.929023041253047
LAML	HDAC9	cg00332048	-0.293592050778939	140	-3.36440645584141	0.00103041415412737	0.0861962922805828	0.00688246232559328
LAML	HDAC9	cg02301805	-0.17436998619592	140	-1.93984552990898	0.0547449081689483	0.0304048920859655	0.154148884685651
LAML	HDAC9	cg03260621	-0.192957750407527	140	-2.15423056346522	0.0332210410834933	0.0372326934423334	0.106525605953389
LAML	HDAC9	cg07513622	-0.0797362635089154	140	-0.876257010028311	0.382641048436613	0.0063578717183632	0.580941945016978
LAML	HDAC9	cg08146609	-0.311127303655424	140	-3.58621920254121	0.000486421933149701	0.0968001990798944	0.00366176774409211
LAML	HDAC9	cg08285151	-0.301890120453516	280	-4.92614879882952	1.55515073450083e-06	0.0911376448274382	2.52623504363662e-05
LAML	HDAC9	cg08725366	-0.131743572590189	140	-1.45586812474748	0.148040379504275	0.0173563689188264	0.312978049383253
LAML	HDAC9	cg10068437	-0.00319768143398192	140	-0.0350290241514081	0.972114798792027	1.02251665532327e-05	0.985273906028623
LAML	HDAC9	cg11321459	-0.284753683899057	140	-3.25403502886522	0.00147830712745575	0.0810846604940841	0.00928945271997519
LAML	HDAC9	cg11765288	-0.00791541844601005	140	-0.0867117811554228	0.931045134966739	6.26538491754362e-05	0.963532814910038
LAML	HDAC9	cg12081743	-0.196640470509715	280	-3.11992223714138	0.00202844514714846	0.038667474642282	0.0120284215090531
LAML	HDAC9	cg16475478	-0.065971054019095	140	-0.72425444997489	0.470319212343024	0.00435217996839035	0.658887205493365
LAML	HDAC9	cg18856632	0.0229922053837195	140	0.25193359078888	0.801523366949746	0.000528641508407141	0.891732069477343
LAML	HDAC9	cg19585556	-0.252061364486445	140	-2.85332416719642	0.00509729161292293	0.0635349314667685	0.0251678220564078

LAML	HDAC9	cg20648975	-0.00304709926589022	140	-0.0333794550190844	0.973427450779814	9.28481393618872e-06	0.986051916794251
LAML	HDAC9	cg21433125	-0.0187745761942377	140	-0.205701434284253	0.837372696037784	0.000352484711273239	0.912945059668339
LAML	HDAC9	cg23074799	-0.0900068209868567	140	-0.989993560075437	0.324169276147522	0.00810122782416008	0.523551417302366
LAML	HDAC9	cg23385718	-0.138636862051041	140	-1.53349929992206	0.12778515809588	0.0192201795193593	0.282705671045914
LAML	HDAC9	cg24350771	-0.146686516530092	140	-1.62444181892768	0.106905368306744	0.021516934131733	0.24979264197918
LAML	HDAC9	cg25620356	-0.241112244422322	140	-2.72154541458852	0.0074652038746063	0.0581351144103698	0.0340494881696249
LAML	HDGF	cg00692559	0.127323212586891	140	1.40620058483293	0.162248784524992	0.0162112004634466	0.332878045140773
LAML	HDGF	cg00746981	-0.0445195013315903	280	-0.693248253217151	0.488818571352292	0.00198198599881347	0.674850519792368
LAML	HDGF	cg01910231	0.0642031875825937	140	0.704764719462997	0.482322279615714	0.00412204929576571	0.669357808536808
LAML	HDGF	cg02914429	0.063578898363951	140	0.697883900598293	0.486599877220154	0.00404227650440636	0.673053550636784
LAML	HDGF	cg04402095	0.18545701866653	140	2.06744510954574	0.0408421269716555	0.0343943057726775	0.124255961219925
LAML	HDGF	cg05762852	-0.00556663252273085	140	-0.0609803488593102	0.951476305226302	3.09873976431248e-05	0.974295104627691
LAML	HDGF	cg05967123	0.119123595585326	140	1.31429211338382	0.191254581995388	0.0141904310251762	0.371738430735289
LAML	HDGF	cg06106793	0.0121724034128834	280	0.189372187837464	0.849959852808314	0.000148167404845976	0.919985923414824
LAML	HDGF	cg06119628	0.229467899312456	140	2.58260862870938	0.0110067264325214	0.0526555168148715	0.0459305661454498
LAML	HDGF	cg07313589	-0.117241327430688	140	-1.29323323609621	0.198414456991928	0.0137455288577098	0.381047059031057
LAML	HDGF	cg07892339	0.089882599008435	140	0.988616094684021	0.324840221102032	0.00807888160451112	0.524208616974235
LAML	HDGF	cg08597205	0.0177475377443891	140	0.194445160358776	0.846156133175915	0.000314975095988516	0.917827158846046
LAML	HDGF	cg08708935	0.0218717192102831	140	0.239650007453458	0.811010459670427	0.000478372101213467	0.898105612160633
LAML	HDGF	cg09063372	0.139151508107002	140	1.53930412906906	0.12636286449325	0.0193631422084529	0.280577115403858
LAML	HDGF	cg09477492	-0.0956064434864892	140	-1.05213572533041	0.294851345421126	0.00914059203613526	0.492721533857991
LAML	HDGF	cg11588596	-0.0421847267762363	140	-0.462522253012384	0.644544424339276	0.00177955117318571	0.791510899711938
LAML	HDGF	cg12220178	0.187104599578071	140	2.08647535806483	0.0390533613660392	0.0350081311832704	0.120354838731912
LAML	HDGF	cg12421458	-0.0186638508831347	274	-0.286769468592278	0.774540447242342	0.000348339329787886	0.875034462497555
LAML	HDGF	cg13170934	0.157259280071644	140	1.74439398589889	0.0836508500262754	0.0247304811686516	0.209508200861018
LAML	HDGF	cg13235992	0.00400598094014929	140	0.0438836746385676	0.96507006776197	1.60478832928394e-05	0.981625230138787
LAML	HDGF	cg14155849	0.180358307315137	140	2.00866643506031	0.0468173819427385	0.0325291190175813	0.137541971708965
LAML	HDGF	cg15503799	0.0489554707518365	280	0.762482643176147	0.446514541649067	0.00239663811653392	0.638297542319873
LAML	HDGF	cg17170583	-0.209622172242023	140	-2.34847313462074	0.0204859955038116	0.0439414550954643	0.0741776156706889
LAML	HDGF	cg17218029	0.105647149929473	140	1.16381964969705	0.246805901631529	0.0111613202882206	0.440026610872973
LAML	HDGF	cg17971171	0.0178818141950522	140	0.195916785684346	0.845006676684403	0.000319759278906372	0.917197323966269
LAML	HDGF	cg18593717	0.0648068560794883	140	0.711419065681422	0.478205237077661	0.00419992859490751	0.665777849954749
LAML	HDGF	cg19599803	0.110161187647995	140	1.21414495661184	0.227076409373446	0.0121354872640167	0.41664148189339
LAML	HDGF	cg20284773	0.120433970142154	140	1.32896109876357	0.186382171300863	0.0145043411642013	0.365344184095027
LAML	HDGF	cg23747104	0.0556891337391402	140	0.610992059448433	0.542360448233612	0.00310127961661584	0.7169917860349
LAML	HDGF	cg26431298	-0.0676609491019704	140	-0.742890991352095	0.458999531572629	0.00457800403337943	0.648907073966618
LAML	HDGFL1	cg02685945	0.107924693022713	139	1.18920181969626	0.236708066637975	0.0116477393640468	0.428074072800017
LAML	HDGFL1	cg03930485	0.0850145253100466	139	0.934671243644923	0.351834777545601	0.00722746951369256	0.550686045468613
LAML	HDGFL1	cg05276066	0.0850171076990536	139	0.934699841785948	0.351820095814092	0.00722790860151248	0.550686045468613
LAML	HDGFL1	cg06566039	0.0540079503678705	139	0.592492193067831	0.554635871717965	0.00291685870293836	0.726300654879515
LAML	HDGFL1	cg08671671	0.0511965395467155	139	0.561566431263869	0.575458747100059	0.00262108566155841	0.742322413184241
LAML	HDGFL1	cg09081892	0.0195863797078115	139	0.214599206611746	0.830444069428373	0.000383626270058571	0.909038750733254
LAML	HDGFL1	cg11894257	0.0530921386252277	139	0.582416669116521	0.561378785342792	0.00281877518380039	0.731853622692963
LAML	HDGFL1	cg15317945	0.153230283415069	139	1.69861341580884	0.0919834026502578	0.0234795197554623	0.224304332824718
LAML	HDGFL1	cg20209681	0.0292046779522851	139	0.320057737835882	0.749481161106214	0.000852913214296686	0.859628128550951
LAML	HDGFL1	cg21898884	0.07010931293273	139	0.769903534048506	0.442870076808232	0.00491531575989946	0.635153563689685
LAML	HIST1H1	cg00667898	0.0418451622557868	140	0.458792638782746	0.647212979910049	0.00175101760421312	0.793214439686843
LAML	HIST1H1	cg00700007	-0.0676084647303202	140	-0.742312086150248	0.459348811850867	0.00457090450319096	0.649235687380795
LAML	HIST1H1	cg03821311	0.00516240194031367	280	0.080309197365538	0.936057716944194	2.66503937933544e-05	0.965893462508212
LAML	HIST1H1	cg04676561	-0.0809020973316153	280	-1.26268027518195	0.207919446709387	0.00654514935265416	0.39297583666934
LAML	HIST1H1	cg07138603	-0.0595932253832618	140	-0.653973354127222	0.51438027852849	0.00355135251158023	0.695915538583365
LAML	HIST1H1	cg11206041	-0.0681654147939587	140	-0.748455589450161	0.455649847970644	0.00464652377403245	0.645932253458248
LAML	HIST1H1	cg14334286	-0.035046443608563	140	-0.384150544050202	0.701546733532537	0.00122825320960819	0.829040408886651
LAML	HIST1H1	cg18798248	-0.0307971588414925	140	-0.33752607589688	0.736310048687631	0.000948464992708122	0.851300882010229
LAML	HIST1H1	cg23460835	-0.0601025921372988	140	-0.65958330085833	0.510785150668999	0.00361232158162249	0.692989536294805
LAML	HIST1H1	cg00903962	-0.0413957909562066	140	-0.453857204048609	0.6507513720477	0.00171361150888995	0.795783328676414
LAML	HIST1H1	cg04290376	-0.0807750863104514	140	-0.887747582003675	0.37645243237097	0.00652461456846088	0.574985579562705

LAML	HIST1H1	cg07750111	-0.088961173026115	280	-1.38941999040926	0.165982100145952	0.00791409030618237	0.338224886679262
LAML	HIST1H1	cg08283682	0.0403029249181631	140	0.441855426641753	0.659389072019662	0.00162432575695909	0.801746041304412
LAML	HIST1H1	cg10717387	-2.8909796305567e-05	140	-0.0003166909515211	0.999747843051973	8.35776322429378e-10	0.99985346304832
LAML	HIST1H1	cg12633985	-0.0093919989082806	140	-0.10288873123181	0.918223025038611	8.82096434931441e-05	0.956933862176024
LAML	HIST1H1	cg15022984	-0.0837540278739654	140	-0.920714374746532	0.359046816729052	0.00701473718511297	0.558008791366067
LAML	HIST1H1	cg16481032	-0.0249210958384896	140	-0.273081740352196	0.785259790999899	0.000621061017791183	0.881393472435704
LAML	HIST1H1	cg16482183	-0.0608380775899963	140	-0.667684535440078	0.505617042368076	0.00370127168484641	0.68872847952202
LAML	HIST1H1	cg17691542	-0.0705476268712387	140	-0.774740867235657	0.440016688015827	0.00497696765716351	0.632635806673749
LAML	HIST1H1	cg20855557	-0.0720797488610896	140	-0.791653279346624	0.430124931614828	0.00519549019587774	0.624135248266133
LAML	HIST1H1	cg21453677	0.0609932367046068	140	0.669393723023756	0.504530253371586	0.0037201749237042	0.687765937667155
LAML	HIST1H1	cg23407813	-0.0883290677004906	140	-0.971393294510972	0.333306407968439	0.00780202420083784	0.53294881733097
LAML	HIST1H3	cg00958605	0.0171018659516622	140	0.187368957404126	0.85168779871392	0.000292473819028624	0.920894734698842
LAML	HIST1H3	cg01043409	0.015546463291065	140	0.170323556887597	0.865042517899985	0.000241692520860432	0.928355509847055
LAML	HIST1H3	cg08041469	0.0112246238440352	140	0.122967340283445	0.902338672936188	0.000125992180440083	0.948383890356645
LAML	HIST1H3	cg08401836	0.0171720158574899	140	0.188137749758654	0.851086449214301	0.000294878128609884	0.92059624891931
LAML	HIST1H3	cg10075390	0.0421734599425232	140	0.462398500933267	0.644632895407744	0.00177860072352361	0.791548756457265
LAML	HIST1H3	cg15479139	-0.0141107678575245	140	-0.154591108561077	0.877403388383215	0.000199113769528946	0.935004633903042
LAML	HIST1H3	cg15797414	0.0069950920964524	280	0.10882075764524	0.913434835238901	4.89313134378508e-05	0.954283272085505
LAML	HIST1H3	cg21209604	0.023945354338251	140	0.262383447866108	0.793475736028765	0.000573379994384394	0.886840575378164
LAML	HIST1H3	cg23099349	-0.0180171285951176	280	-0.280326246771457	0.779466700879667	0.000324616922813004	0.878104197355266
LAML	HIST1H3	cg25701114	-0.0135796127939849	140	-0.148770922738197	0.881984115853564	0.000184405883634559	0.937349858723646
LAML	HLTF	cg00906762	0.000289526404814539	140	0.00317160299113658	0.997474697687792	8.38255390848324e-08	0.998778778729371
LAML	HLTF	cg02059813	-0.0412038528179703	280	-0.641526331652323	0.521787918130021	0.00169775748704496	0.701679865246176
LAML	HLTF	cg02398045	0.0744057300435718	140	0.817339557950197	0.415354228012758	0.00553621266331689	0.610994408900803
LAML	HLTF	cg02611507	-0.0245872385498422	140	-0.269421152816238	0.78806833051634	0.000604532299506848	0.883271444685677
LAML	HLTF	cg02710346	-0.0877251113180153	140	-0.964699632967586	0.3366353678795	0.00769569515575817	0.536270053831712
LAML	HLTF	cg03678609	-0.0491865286209358	140	-0.539464387224099	0.590566039087656	0.00241931459777814	0.753449822082405
LAML	HLTF	cg04120413	-0.0114708988268957	140	-0.125665668758839	0.900206873676216	0.000131581519896877	0.947376337339805
LAML	HLTF	cg04731810	-0.00155797192513375	140	-0.0170667480599811	0.986411709877632	2.42727651950496e-06	0.99288253597915
LAML	HLTF	cg04836786	0.300097672298927	275	4.84317420504865	2.30774753577754e-06	0.0900586129192341	3.57983871980615e-05
LAML	HLTF	cg05555455	-0.028229179966685	140	-0.309358459324398	0.757585379049078	0.000796886601591492	0.864817705255385
LAML	HLTF	cg07275648	0.00477865918323912	140	0.0523481862898897	0.958338302194165	2.28355835895556e-05	0.978115872015493
LAML	HLTF	cg09352720	0.0260849816069746	140	0.285843921168966	0.77549050994064	0.000680426265436205	0.875671447881124
LAML	HLTF	cg09392355	0.077193851657984	140	0.848147060705251	0.398044681700664	0.00595889073379483	0.594666768478672
LAML	HLTF	cg15438497	0.0287097902871084	140	0.314629689044851	0.753589226143575	0.000824252058329746	0.862255041309211
LAML	HLTF	cg16724124	0.00906235921166687	140	0.099277248011828	0.921083798725182	8.21263544812834e-05	0.958640080222553
LAML	HLTF	cg20117402	-0.100186399425035	140	-1.10303674302992	0.272218378795481	0.0100373146297527	0.468589307193938
LAML	HLTF	cg21089667	0.00856579729841714	280	0.133257422661907	0.894100541977495	7.33728833575704e-05	0.943869857821707
LAML	HLTF	cg21111416	-0.107887403940181	140	-1.1887860986335	0.23687103592908	0.0116396919289518	0.428209638395344
LAML	HLTF	cg21835021	-0.16178527962976	140	-1.79592853319747	0.0750221700091571	0.0261744767048797	0.193902611172875
LAML	HLTF	cg21926402	0.363720240512419	140	4.27731658111165	3.82139815733895e-05	0.132292413358412	0.000420602501771401
LAML	HLTF	cg24041269	0.0526564379320135	140	0.577623721700611	0.56460043676648	0.00277270045568799	0.734275969331128
LAML	HLTF	cg24710191	0.00712644375819855	140	0.0780682624435349	0.937903778830092	5.0786200638767e-05	0.966772489702113
LAML	HLTF	cg25951608	0.0149510424457214	140	0.16379877240835	0.870165118061005	0.000223533670213762	0.931127290577277
LAML	HLTF	cg26151310	-0.0251436618549643	280	-0.391267283505439	0.695943952288715	0.000632203731476788	0.825687902262568
LAML	HLTF	cg27554556	-0.0665447916582248	140	-0.73058104713114	0.46645908373899	0.00442820929683655	0.655734978232187
LAML	IDH1	cg00707300	-0.0251206441404378	140	-0.275269736840179	0.783582426331608	0.00063104676203051	0.880580552357001
LAML	IDH1	cg01046174	-0.0182894235871942	280	-0.284564257516766	0.776221351497766	0.000334503015151816	0.876127908222468
LAML	IDH1	cg02241586	-0.0300195573706291	280	-0.467205280904145	0.640773403498257	0.000901173824728495	0.788916507108444
LAML	IDH1	cg03448938	-0.0240663997982118	140	-0.263710581486426	0.792455257570715	0.000579191599247371	0.886204554487517
LAML	IDH1	cg05268564	0.0518434754418911	140	0.568681569179988	0.570635009092505	0.00268774594589396	0.738622982934433
LAML	IDH1	cg07129696	-0.0373969312013719	140	-0.40994961982213	0.682573836367681	0.00139853046328014	0.817027372932393
LAML	IDH1	cg07915542	-0.161365503669093	280	-2.54359263355642	0.0115951873046631	0.0260388257743801	0.0478557918961366
LAML	IDH1	cg09406631	-0.0412314838996279	140	-0.45205269243381	0.652047089524431	0.00170003526456528	0.796654017911258
LAML	IDH1	cg09615745	0.00985670634458343	140	0.10798005366276	0.914191851220093	9.71546599633512e-05	0.954724275727638
LAML	IDH1	cg10356455	0.118151887055611	140	1.30341882721885	0.194927019236635	0.0139598684148019	0.376449841976436
LAML	IDH1	cg14772913	-0.0113498618542374	140	-0.124339516169303	0.901254502982112	0.000128819364110273	0.947936032948777

LAML	IDH1	cg15399923	0.051481930584843	140	0.564705134401831	0.57332844595635	0.00265038917674259	0.740716662648692
LAML	IDH1	cg16085695	-0.0465366658908466	140	-0.510336540745879	0.610753171813335	0.00216566127223629	0.767885773705803
LAML	IDH1	cg16863783	-0.0560477317096305	140	-0.61493876721716	0.539759505931345	0.00314134822979472	0.715049674239613
LAML	IDH1	cg24324379	-0.0730515952276209	275	-1.1371038825389	0.256624174359447	0.00533653556530016	0.450986536700449
LAML	IDH1	cg24830471	-0.0691842354723449	140	-0.759695634447123	0.448926415811554	0.00478645843789287	0.640192506079412
LAML	IDH1	cg24987806	-0.00848295892394914	140	-0.0929295028319124	0.926114538714721	7.19605921054084e-05	0.961076709150699
LAML	IDH1	cg25795625	-0.0315307213385535	140	-0.34557357161834	0.730268271183618	0.000994186388129511	0.84744976488295
LAML	IDH1	cg26105702	-0.0819119818567985	140	-0.900326289708691	0.369749907165301	0.00670957277170848	0.568421806226623
LAML	ING2	cg02075087	-0.0508651766432068	140	-0.557922306984163	0.577936828292888	0.00258726619494463	0.74434977695943
LAML	ING2	cg02552216	-0.0264042650784105	140	-0.289345113109455	0.772816597413749	0.000697185214330971	0.874033725284649
LAML	ING2	cg10348863	0.0182569053982673	280	0.284058139740443	0.776608716854455	0.000333314594721283	0.87638711459703
LAML	ING2	cg17985608	-0.0147436295025837	140	-0.161525925933077	0.871950834732632	0.000217374610909456	0.932098596163332
LAML	ING3	cg01382559	-0.201054054294794	140	-2.24834774343995	0.0263794229701382	0.040422732748374	0.0896688294389116
LAML	ING3	cg01416111	-0.28016687531514	140	-3.19711459342729	0.00177484548038139	0.0784934780238491	0.010788586443256
LAML	ING3	cg10268125	-0.0997128097645924	140	-1.09777010554756	0.274502743768835	0.00994264443114979	0.470996311849236
LAML	ING3	cg14303833	-0.102036987930869	140	-1.12362383585281	0.263415464666229	0.0104115469060043	0.458823030445572
LAML	ING3	cg16130600	-0.0898707699837451	140	-0.988484928115185	0.324904158267757	0.00807675529747123	0.524292021993443
LAML	ING3	cg18485114	-0.0065566941191362	140	-0.0718265293706289	0.942859534666221	4.29902377719152e-05	0.969581158490734
LAML	ING3	cg19478983	-0.153172641096552	140	-1.69795907480125	0.0921072250205416	0.0234618579804932	0.224506049542912
LAML	ING3	cg19960827	0.036221659885378	140	0.397048955110244	0.692036650083954	0.00131200864485201	0.823166939416374
LAML	ING3	cg20553930	-0.00645392928291253	140	-0.0707007255270632	0.943753634566049	4.16532031888359e-05	0.97000053174743
LAML	ING3	cg24859794	-0.114406291859527	140	-1.26154136011839	0.209560646664036	0.0130887996170474	0.395031076205896
LAML	ING4	cg00369908	0.17093762199536	140	1.90049966373533	0.0597666471155909	0.0292196706134285	0.164199976893286
LAML	ING4	cg00443163	0.17508047129782	140	1.94799901599224	0.0537500965218245	0.0306531714298667	0.152118561147367
LAML	ING4	cg00591160	0.137941776259776	140	1.52566125301787	0.12972559588756	0.0190279336377022	0.285662166170654
LAML	ING4	cg03930474	0.0816900034442121	280	1.27505974050464	0.203510862283041	0.00667325666271539	0.387353787934206
LAML	ING4	cg04375284	0.231835570815682	140	2.61076166637299	0.010185906690862	0.0537477318954331	0.0432439655702315
LAML	ING4	cg08733494	0.181684288419161	140	2.0239362075886	0.0451975702501478	0.033009180658377	0.134033460909541
LAML	ING4	cg12392916	0.233803368027166	140	2.6341972440918	0.00954516644074498	0.0546640149008465	0.0410733506114622
LAML	ING4	cg18123790	0.134006209410232	140	1.48132529995305	0.141140970001397	0.017957664160499	0.303103398765734
LAML	ING4	cg23354319	0.120309536142537	140	1.32756782099431	0.186840928356979	0.0144743844868324	0.365902305422486
LAML	ING4	cg27116036	0.17708460066688	140	1.97101525571416	0.0510239780590434	0.0313589557933483	0.146433000668655
LAML	INO80	cg00734724	-0.0871720848018526	140	-0.958571368714722	0.339702060065637	0.00759897236870137	0.538959110410258
LAML	INO80	cg06380007	-0.0154199287908778	280	-0.239906320158536	0.810605965386977	0.000237774203915742	0.897795818153939
LAML	INO80	cg12580230	-0.149231730268109	140	-1.65326454138607	0.100890901107186	0.0222701093188136	0.239743013034774
LAML	INO80	cg18952654	0.0105073198380782	140	0.11510827625397	0.908551690390938	0.000110403770179672	0.951440853980624
LAML	INO80	cg21007089	-0.186474498479826	140	-2.07919528246727	0.0397295411243718	0.0347727385833027	0.121893039999581
LAML	INO80	cg21598047	-0.0601085905858989	140	-0.659649368267771	0.510742890801126	0.00361304266222322	0.692944286558586
LAML	INO80	cg22835709	-0.269357691997173	140	-3.06390705999439	0.00269819552419634	0.0725535662380437	0.0151336281621723
LAML	INO80	cg26409855	0.0897526334949158	140	0.987174990506802	0.325543142482019	0.00805553521927269	0.52494202856824
LAML	INO80	cg27441689	-0.178959920234588	140	-1.99257510931241	0.048577605804836	0.0320266530503701	0.141214688015448
LAML	INTS12	cg00093890	0.167022722319256	140	1.85570931475018	0.0659485337914991	0.0278965897709353	0.17640546841027
LAML	INTS12	cg01852585	0.0700130263982515	140	0.768840953897867	0.443498290938004	0.00490182386544227	0.635656098259503
LAML	INTS12	cg03607115	0.0881850187569751	140	0.969796699212281	0.334098482966294	0.00777659753316805	0.533682211533231
LAML	INTS12	cg19703969	0.24314505786434	140	2.74592606890261	0.00696315752872144	0.0591195191638534	0.0322723787184603
LAML	INTS12	cg26533745	0.00876372010245319	140	0.0960054305687558	0.923676406073128	7.68027900341422e-05	0.959817663501084
LAML	IWS1	cg02372421	0.0124489908952033	140	0.136382431134611	0.891747500069673	0.000154977374308855	0.942652222635578
LAML	IWS1	cg02592214	0.118407696772652	140	1.30628093350177	0.193955306134295	0.0140203826550042	0.375147238873008
LAML	IWS1	cg10180764	0.053470871485504	140	0.586583209916923	0.558585517595142	0.00285913409741928	0.729605966450016
LAML	IWS1	cg10488833	-0.048858875205988	140	-0.535862146156599	0.593045673150354	0.00238718968639431	0.755219899910365
LAML	IWS1	cg15239145	0.0663042482471557	140	0.727928489958269	0.468075351408354	0.00439625333562044	0.657104644725463
LAML	IWS1	cg17144508	-0.044224197976168	140	-0.484926252926798	0.628612707361611	0.0019557796866353	0.780667359936532
LAML	IWS1	cg18451256	-0.0488003040421257	140	-0.535218229613126	0.593489427131657	0.00238146967460391	0.755489702639784
LAML	IWS1	cg18530950	0.139433103197391	140	1.54248085268706	0.125589807790258	0.0194415902672543	0.279342967955898
LAML	IWS1	cg19311602	0.0727344983390997	280	1.13448812887286	0.257712338376222	0.0052903072486405	0.452234811234319
LAML	IWS1	cg19409088	-0.00036100926546141	140	-0.0039546586209324	0.996851213969121	1.30327689748987e-07	0.998391267856861
LAML	IWS1	cg21581038	0.093063841796674	140	1.0239069178979	0.30793890555674	0.00866087864995637	0.506518642961857

LAML	IWS1	cg21679674	0.0648611998823491	140	0.712018145547642	0.477835543140802	0.00420697525017804	0.66546255358209
LAML	IWS1	cg22409775	0.0553356493892388	140	0.607101864015371	0.544930325432444	0.00306203409332877	0.718975755566779
LAML	IWS1	cg23570261	-0.0361806005419009	280	-0.563206805460132	0.573815515559913	0.0013090358555726	0.741099781144667
LAML	IWS1	cg23623107	-0.141835705192776	140	-1.56960063278823	0.119141200059377	0.0201173672675321	0.269377467300816
LAML	JADE1	cg09863040	0.0887040276217291	122	0.975549526149629	0.331250250528281	0.00786840451631647	0.530899532402225
LAML	JADE1	cg12832492	-0.055045657347527	122	-0.603910590467408	0.54704305425999	0.00303002439282135	0.720530067268876
LAML	JADE1	cg14617908	-0.0193926930580171	122	-0.212476266200054	0.83209599639178	0.000376076544042463	0.90994854024158
LAML	JADE1	cg15389440	-0.0422831908591841	122	-0.463603765361828	0.643771462009765	0.00178786822923419	0.790877978579806
LAML	JADE1	cg15836763	0.0748815595873169	122	0.822595878099119	0.412369444324897	0.00560724796622889	0.608013209275117
LAML	JADE1	cg20039387	0.0520493706413279	122	0.570946198327676	0.569103795723992	0.00270913698415832	0.737416775000777
LAML	JADE1	cg22922695	0.133170797842986	122	1.4719232686951	0.143659382047176	0.0177344613981375	0.306665485805851
LAML	JADE1	cg26766900	-0.0853540696878518	122	-0.938431621670684	0.349907643176579	0.00728531721227866	0.5489596900996
LAML	JADE2	cg04590931	0.036200976684454	244	0.563524407624605	0.573599633252849	0.00131051071290838	0.740943973652899
LAML	JADE2	cg04842522	0.113881377309885	122	1.25567697423398	0.211672573054853	0.0129689680979964	0.397750148507953
LAML	JADE2	cg17378563	-0.00043239443966360	122	-0.0047366442096644	0.99622858418008	1.86964951452002e-07	0.998170169676088
LAML	JADE2	cg18145011	0.0420542901958837	122	0.46108958109918	0.645568961456248	0.0017685633238796	0.792214020177017
LAML	JADE2	cg21194015	0.00444388915328863	122	0.0486808473269046	0.961254569908673	1.97481508067163e-05	0.979729820528454
LAML	JADE2	cg25669900	0.0158889484264184	122	0.174076684335898	0.862098527042305	0.000252458682097384	0.926736375100517
LAML	JADE2	cg26133206	-0.0326638032939107	122	-0.358005070636932	0.720968481289474	0.00106692404562329	0.841902278313238
LAML	JADE3	cg10860619	-0.19970356252017	122	-2.23261593068739	0.0274291775436524	0.0398815128832473	0.0923454121188771
LAML	JADE3	cg17843048	-0.114688601632893	244	-1.79598676740562	0.0737439417056957	0.0131534753445085	0.191476793199589
LAML	JADE3	cg19194595	-0.192083818492797	244	-3.04482203500169	0.00258554588543217	0.0368961933267738	0.0146215749737877
LAML	JARID2	cg01769037	0.0548058750708416	280	0.853862661239302	0.394025496518338	0.00300368394228069	0.590786511829072
LAML	JARID2	cg03223185	-0.0851599038460099	140	-0.936281238175864	0.351008849082088	0.00725220922306165	0.549974017262514
LAML	JARID2	cg05197191	-0.0151952006695057	140	-0.166474303528822	0.868063881826221	0.000230894123386547	0.929962565037857
LAML	JARID2	cg06047828	-0.14201198338551	140	-1.57159151126338	0.118678350189071	0.0201674034250865	0.268713649648076
LAML	JARID2	cg14862454	-0.0755671831508304	140	-0.830170712991976	0.408090817928079	0.00571039916935115	0.604174971735948
LAML	JARID2	cg15109221	0.114347575152436	140	1.26088531944638	0.209796134558112	0.0130753679432419	0.39532818637382
LAML	JARID2	cg21397480	0.0509463498408075	140	0.558814982478305	0.577329320229491	0.00259553056210195	0.743889165769375
LAML	JARID2	cg21901688	-0.0408000657171705	140	-0.447314792137137	0.655454164546569	0.00166464536252543	0.799084817300086
LAML	JARID2	cg25338254	-0.0352920324712047	140	-0.38684583432983	0.699555501193556	0.00124552755594856	0.827778769130344
LAML	JMJD6	cg02318866	-0.00379970721336296	139	-0.04162400753359	0.96686761137433	1.44377749072825e-05	0.982579999467729
LAML	JMJD6	cg04510639	0.0501421367065355	139	0.549971400594852	0.583361187593884	0.00251423387349689	0.748359226735243
LAML	JMJD6	cg07312083	-0.066784066583514	139	-0.733219743199457	0.46485437862557	0.00446011154943124	0.654075338666
LAML	JMJD6	cg08857478	-0.00652418641779199	139	-0.0714704024931981	0.94314235852929	4.25650084141015e-05	0.969705359811633
LAML	JMJD6	cg10712116	0.117372858468658	139	1.29470434756926	0.197907928886828	0.0137763879051036	0.380384173435994
LAML	JMJD6	cg12504415	0.0376530146721417	139	0.412760809378967	0.680518414182953	0.00141774951390052	0.815745470013693
LAML	JMJD6	cg15457598	0.0142259874613094	139	0.155853656236562	0.87641025395598	0.000202378719249333	0.934582934095793
LAML	JMJD6	cg21102709	-0.0244318277207454	139	-0.2677717177295008	0.789376638877657	0.000596914205776182	0.884089525557562
LAML	JMJD6	cg21807925	-0.079910069006961	139	-0.878179297039881	0.381601363812859	0.00638561912869728	0.58004633842062
LAML	JMJD6	cg23630158	-0.00017954186589743	139	-0.0019667826310717	0.998434001384433	3.22352816099321e-08	0.999140389041544
LAML	JMJD6	cg25004679	-0.057781631840959	139	-0.634025363914007	0.527271015411286	0.00333871697820412	0.705901448559675
LAML	JMJD6	cg25908504	0.0575608708235845	139	0.631594932883205	0.528852931857081	0.00331325384996939	0.707216024012269
LAML	JMJD6	cg26612088	0.0413900002031044	139	0.453793606146383	0.650797019962363	0.00171313211681298	0.795814653231189
LAML	JMJD8	cg00873473	0.173968542248364	139	1.93523996483868	0.0553136760023304	0.0302650536920207	0.155239081890591
LAML	JMJD8	cg02851105	0.16879468004814	139	1.87597094422808	0.0630889146569632	0.028491644012554	0.170794091969091
LAML	JMJD8	cg03899598	0.163929946256575	139	1.8203888399635	0.0711918594648189	0.0268730272796835	0.186643638458311
LAML	JMJD8	cg05787952	0.0490863649839347	139	0.538363163787431	0.591323563010065	0.00240947122733605	0.75400787524904
LAML	JMJD8	cg06191810	0.171573303088135	139	1.90778117425042	0.0588091584967565	0.0294373983325731	0.162245537842992
LAML	JMJD8	cg06646636	0.0197981555876889	139	0.216920445238453	0.828638708578244	0.000391966964674337	0.907891259506928
LAML	JMJD8	cg08398290	0.181166489315885	139	2.0179719680222	0.0458244707110862	0.0328212968510425	0.135366199905003
LAML	JMJD8	cg26750188	-0.00011210861020734	139	-0.0012280883017398	0.999022166805471	1.25683404826218e-08	0.999510397197191
LAML	JMJD8	cg27579097	-0.0401589529273697	139	-0.440274455781538	0.660530367586074	0.0016127415002227	0.802511786121744
LAML	KAT2B	cg00770008	0.0894530284021153	140	0.983853055454332	0.327167281738475	0.00800184429030964	0.526707421120919
LAML	KAT2B	cg04371528	-0.0443534491730015	140	-0.486346304949904	0.627608667727087	0.00196722845354203	0.779938640598319
LAML	KAT2B	cg05072819	-0.00880486319981821	140	-0.0964561827907115	0.923319177966312	7.75256159675129e-05	0.959697632985996
LAML	KAT2B	cg12062464	0.0695151241716066	272	1.06823083411301	0.286512489216696	0.00483235248859389	0.483832726312176

LAML	KAT2B	cg14937543	0.0316413904199459	140	0.346787707189091	0.729358199639204	0.00100117758770744	0.846923344917014
LAML	KAT2B	cg18053505	-0.0309795688512361	275	-0.481163188547562	0.630837084970892	0.000959733686208481	0.782193497413558
LAML	KAT5	cg00582417	-0.0547383032320235	140	-0.600528419926864	0.549286635086621	0.00299628184072095	0.722274508805122
LAML	KAT5	cg02561205	-0.125105623480039	140	-1.38131584755616	0.169748552697542	0.0156514170263293	0.343372481890701
LAML	KAT5	cg05785768	-0.0726896664799487	140	-0.798387449027611	0.426222916151651	0.00528378761296618	0.620840511580379
LAML	KAT5	cg07564927	0.034759184805877	140	0.380998022617948	0.703878395137127	0.00120820092836911	0.830855259408204
LAML	KAT5	cg14726348	-0.0973867794976655	140	-1.07191394344358	0.285909725525577	0.00948418482092693	0.483194030173209
LAML	KAT5	cg18896539	0.037736566202787	280	0.587461636866891	0.557441429190122	0.00142404842877733	0.728698871509744
LAML	KAT5	cg20108992	-0.00937479433395405	140	-0.102700239668838	0.918372309173747	8.7886768803937e-05	0.956976694729708
LAML	KAT5	cg20423942	0.0973419135762625	140	1.07141538942659	0.286132814936604	0.00947544813868855	0.483412163628687
LAML	KAT5	cg22048492	0.0356594017263159	280	0.555083137182945	0.579350503114781	0.00127159293147878	0.745402107689059
LAML	KAT6A	cg10163397	-0.0879676046585589	135	-0.967387062620176	0.335296234990303	0.00773829946936451	0.53482674755153
LAML	KAT6A	cg12468056	-0.00092325836752927	275	-0.014362535675635	0.988552582055129	8.5240601321283e-07	0.993976674970026
LAML	KAT6A	cg15251374	-0.100064709517562	135	-1.10168339677032	0.272804121139962	0.0100129460908342	0.469146967649161
LAML	KAT6A	cg20966972	0.00579319935915208	275	0.0901225444568864	0.928264379623859	3.356115881488e-05	0.962135366888748
LAML	KAT6B	cg04396765	-0.0539454271837766	135	-0.591804281765615	0.555094969051206	0.00291010911404014	0.726644982539703
LAML	KAT6B	cg06972998	0.030205333160071	135	0.331033892431715	0.741196233244733	0.000912362151310887	0.854392899923449
LAML	KAT6B	cg09631472	0.136383371912006	135	1.50809643628624	0.134158138808595	0.0186004241340886	0.292411101681143
LAML	KAT6B	cg10359932	0.230063718768318	135	2.589688698169	0.0107948843636494	0.0529293146935079	0.0452612500908558
LAML	KAT6B	cg10739686	0.267371028458981	135	3.03956221913743	0.00290887247043172	0.0714872668592131	0.0160571081362922
LAML	KAT6B	cg11128436	0.158763147144545	135	1.76150483679551	0.0806998419215984	0.0252057368912404	0.204247763361708
LAML	KAT6B	cg11348552	0.1397600749692	135	1.5461699574977	0.124696751033471	0.0195328785553965	0.277917755822604
LAML	KAT6B	cg15874302	-0.319772581166484	135	-3.69704918147958	0.000330183134254951	0.102254503665876	0.00264697719973512
LAML	KAT6B	cg15912797	-0.0258559745617916	135	-0.283332734527391	0.777410003839407	0.000668531420540014	0.876922452203735
LAML	KAT6B	cg17147776	0.173357260155505	135	1.92822894205099	0.0561890764989974	0.0300527396486234	0.156982331375938
LAML	KAT6B	cg18462764	0.115111637686142	135	1.26942322502388	0.206746564633228	0.0132506891307857	0.39148189682303
LAML	KAT6B	cg18491775	0.0262168741820561	135	0.287290215307224	0.774385624756006	0.000687324491877758	0.874957231340683
LAML	KAT6B	cg24671245	0.0372595288393692	135	0.408441300924528	0.68367763958328	0.00138827248933179	0.817755781819242
LAML	KAT6B	cg26605858	0.0389611145989262	135	0.427121928550366	0.670055909952529	0.00151796845079066	0.808824762344982
LAML	KDM1A	cg00062312	0.0366134014410706	140	0.401348820048744	0.688877137634162	0.00134054116508499	0.821151757574765
LAML	KDM1A	cg00541565	0.180163462917406	140	2.00642359637001	0.0470594183985087	0.0324588733703916	0.138018488026148
LAML	KDM1A	cg04886391	-0.183622164527147	140	-2.04627302110175	0.0429143937940129	0.0337170993056347	0.128884003814672
LAML	KDM1A	cg06958034	-0.00580320134981003	280	-0.0902781467628743	0.92814086071773	3.3677145906437e-05	0.962114077254387
LAML	KDM1A	cg07118078	-0.22153347971774	140	-2.48861282649893	0.0141954742061706	0.0490770826358502	0.0559235691697388
LAML	KDM1A	cg07785945	0.000218245579930662	140	0.00239076060101372	0.998096420738231	4.76311331592708e-08	0.998970965558325
LAML	KDM1A	cg10499166	-0.106497887590349	140	-1.17329853979195	0.242999718985454	0.0113418000612066	0.435534055357902
LAML	KDM1A	cg12578844	0.0839037846688176	140	0.922372323828482	0.358185200206496	0.00703984508175131	0.557173611511984
LAML	KDM1A	cg22683154	-0.0370920582733271	140	-0.406602943075212	0.685023894618148	0.00137582078695189	0.818781144375311
LAML	KDM1A	cg26662347	0.0908936200138389	140	0.99982840235184	0.31940542935941	0.00826165015922014	0.518732927738167
LAML	KDM1B	cg11007366	-0.16369495845295	140	-1.81770747515424	0.0716036596499593	0.0267960394229132	0.18744607796241
LAML	KDM1B	cg15124342	-0.0505397393636014	140	-0.554343528869294	0.58037540953301	0.00255426525494076	0.74620243627427
LAML	KDM1B	cg20677365	0.1116328528491	140	1.23056827713301	0.220891074672094	0.0124618938352289	0.409123381339957
LAML	KDM1B	cg22406543	0.0317867889335321	140	0.348382874091262	0.728163107731103	0.00101039995070492	0.846294476773488
LAML	KDM1B	cg23073439	0.00252408649757576	140	0.0276500703159432	0.977987177310035	6.37101264724427e-06	0.988598272738171
LAML	KDM1B	cg23860886	-0.166823964620276	140	-1.85343775771228	0.0662757692573226	0.0278302351716271	0.177055535494648
LAML	KDM1B	cg24342628	-0.0161140354791205	280	-0.250708114526418	0.802252513232388	0.000259662139422354	0.892100115987941
LAML	KDM2A	cg05038268	-0.347064550713135	135	-4.05388619222328	8.98639658390585e-05	0.12045380236171	0.00087836127132601
LAML	KDM2A	cg05295919	-0.0509460195283994	135	-0.558811349953946	0.577331791717596	0.00259549690578805	0.743889165769375
LAML	KDM2A	cg06320126	-0.229541853761273	135	-2.58348725602938	0.0109802353847902	0.0526894626281615	0.0458555095299749
LAML	KDM2A	cg07283932	-0.14970935276206	135	-1.65867700014591	0.0997925108861464	0.022412890304435	0.237894097139255
LAML	KDM2A	cg08836144	0.035126994002656	135	0.385034561346769	0.700893407789034	0.00123390570766263	0.828664729280494
LAML	KDM2A	cg09993857	-0.235713306739192	135	-2.6569764963626	0.00895747855886675	0.0555607629739246	0.0391982959477209
LAML	KDM2A	cg11637544	-0.135467317004433	135	-1.49777689020014	0.13681709944927	0.0183513939763796	0.296535520423385
LAML	KDM2A	cg16004548	-0.00259932284217372	135	-0.0284742512909461	0.977331205101538	6.75647923784608e-06	0.988153463253738
LAML	KDM2A	cg18132081	0.118088853760703	135	1.30271362474596	0.195166996613933	0.0139449773825168	0.376801045678869
LAML	KDM2A	cg21293464	-0.36642051095356	135	-4.31397533889991	3.31172367428976e-05	0.134263990847468	0.000371388541902404
LAML	KDM2A	cg21711868	-0.185670243898885	135	-2.06990692889966	0.0406068364517718	0.0344734394694716	0.123696774803396

LAML	KDM2A	cg25597833	-0.0250343993641652	139	-0.274324080731638	0.784307261988534	0.000626721151524517	0.881003759928425
LAML	KDM2B	cg03486832	0.116624051214193	139	1.28633021859522	0.200804103993661	0.0136011693216107	0.383892521038113
LAML	KDM2B	cg05067991	-0.125645105205912	139	-1.38736770534256	0.167900856065217	0.0157866924622047	0.340893600499466
LAML	KDM2B	cg07020001	0.0641270112462518	139	0.703925069387601	0.482843153627186	0.0041122735713769	0.669841539168063
LAML	KDM2B	cg07529210	0.0120869544814706	139	0.13241562536931	0.894877333356383	0.000146094468637142	0.944171783564407
LAML	KDM2B	cg07793808	0.0665968353553715	139	0.731154968185247	0.466109792842382	0.00443513847935047	0.655350537219957
LAML	KDM2B	cg09151742	0.103034160986075	139	1.13472187964896	0.258753399563877	0.0106160383301044	0.453417320997235
LAML	KDM2B	cg12251659	-0.134239052259035	139	-1.48394637177835	0.140445053905501	0.018020123151404	0.301954254062867
LAML	KDM2B	cg12888660	0.143564923813	139	1.58913697222368	0.114660759876645	0.0206108873494326	0.262396753967199
LAML	KDM2B	cg15234492	0.0253753599153296	139	0.278062678540117	0.781442777490132	0.000643908890832517	0.879278536146075
LAML	KDM2B	cg15316703	-0.0976835868568489	139	-1.07521225895185	0.284436817200952	0.00954208314121955	0.481750716625264
LAML	KDM2B	cg16837338	0.0773999100920064	139	0.850424699931229	0.396782672970577	0.00599074608225067	0.593393365310605
LAML	KDM2B	cg17452615	0.0772782773740594	139	0.849080235780646	0.397527326286724	0.00597193215390206	0.594122047589898
LAML	KDM2B	cg20055546	-0.204279117043557	139	-2.28597059356244	0.0240103231730702	0.0417299576600952	0.0835955550002607
LAML	KDM2B	cg21249371	0.0166465992873548	139	0.182379630002391	0.855592558361415	0.000277109267833762	0.923161823650041
LAML	KDM2B	cg21781916	-0.0731890584106223	139	-0.803901962190636	0.423043238399362	0.00535663827103348	0.61807883574428
LAML	KDM2B	cg26218726	-0.164853487114593	139	-1.83093013637088	0.0695919516225187	0.0271766722138412	0.183580459793107
LAML	KDM2B	cg26509318	0.0120459283661995	139	0.131966108623384	0.895232110226225	0.00014510439020361	0.944372396915615
LAML	KDM3A	cg01744130	0.115629528900842	140	1.27521162239863	0.204697677598086	0.0133701879538305	0.388832620282891
LAML	KDM3A	cg02152982	0.155994570367794	140	1.73001388182187	0.0861988078735148	0.0243343059842325	0.214227527305355
LAML	KDM3A	cg02972551	-0.0133718821255316	280	-0.208036267646228	0.835375623386859	0.000178807231579112	0.911827125972916
LAML	KDM3A	cg03037033	0.141541995528143	140	1.56628382660176	0.119915488423285	0.0200341364980887	0.270584675599758
LAML	KDM3A	cg04793821	0.120509103630765	140	1.32980239333577	0.186105571165903	0.0145224440578904	0.365004331357122
LAML	KDM3A	cg07052513	-0.0787628795288714	140	-0.86549287470443	0.388495343714259	0.0062035911916795	0.586243414911006
LAML	KDM3A	cg07211384	0.0855395469384608	140	0.940485879737311	0.348857738237383	0.00731701409043714	0.547966571249008
LAML	KDM3A	cg12888358	0.0514820568257027	140	0.564706522817278	0.573327504449203	0.00265040217500488	0.740716662648692
LAML	KDM3A	cg18611949	0.0683548345454452	140	0.750545166249987	0.454395605698712	0.00467238340573519	0.644681689025656
LAML	KDM3A	cg19139691	-0.134345389070497	140	-1.4851434701688	0.140128104657793	0.0180486835645032	0.301535897702708
LAML	KDM3A	cg20191795	0.0986127535821183	140	1.08553963810713	0.279858649982581	0.00972447516904758	0.476970617082811
LAML	KDM3A	cg20918903	0.0185678978784487	280	0.288898508654014	0.77290636542983	0.0003447668316245	0.87408344620948
LAML	KDM3A	cg22404242	0.00877934286044178	140	0.096176589060938	0.923540758481562	7.70768610611901e-05	0.959803374973999
LAML	KDM3A	cg24749656	0.0509733348517122	140	0.559111743702545	0.5771274275937	0.00259828086590478	0.743735005917543
LAML	KDM3B	cg00435490	-0.0472806241220106	139	-0.51851316860165	0.605055082495911	0.00223545741736685	0.763827740111763
LAML	KDM3B	cg03315484	-0.313764735221457	139	-3.61992387347888	0.000432730625163095	0.0984483090685908	0.00331728875186616
LAML	KDM3B	cg05191700	-0.363074239933662	139	-4.268564986652	3.95378372536715e-05	0.131822903703407	0.000433395309470498
LAML	KDM3B	cg05708550	0.0533472455995969	139	0.58522314088671	0.559496561868069	0.00284592861306372	0.730256455781832
LAML	KDM3B	cg05722427	0.0205829543662361	139	0.225522745449409	0.821956265570854	0.000423658010442556	0.904392539550218
LAML	KDM3B	cg15001364	-0.354761129727137	139	-4.15656931703738	6.08894332136505e-05	0.125855459165275	0.000630752869295508
LAML	KDM3B	cg18682923	0.0110703872441347	139	0.121277447992572	0.903674127058001	0.000122553473735101	0.948941390607158
LAML	KDM3B	cg19076659	-0.109610581047165	139	-1.20800244438205	0.229421634625802	0.0120144794774971	0.419454518928562
LAML	KDM3B	cg24137987	-0.25843409030613	139	-2.93055791604966	0.00405174483553132	0.0667881790323567	0.020952188243007
LAML	KDM4A	cg00154982	-0.147001633807548	140	-1.62800849497463	0.106145859410517	0.0216094803420885	0.248473234043924
LAML	KDM4A	cg00979347	-0.0426549985953553	140	-0.467687759116309	0.640856133885465	0.00181944890516976	0.788991755390762
LAML	KDM4A	cg03587511	-0.0897841142875388	140	-0.987524056145467	0.32537278833052	0.00806118717839783	0.524823896794683
LAML	KDM4A	cg08552254	-0.0962512351839396	280	-1.5043021916785	0.133807536073134	0.00926430027443405	0.29189118561139
LAML	KDM4A	cg10958452	-0.475485803520663	140	-5.92082243169383	3.12177914449826e-08	0.22608674934969	7.65864669716487e-07
LAML	KDM4A	cg10968649	-0.00924883438211386	280	-0.143884251341089	0.885711615652182	8.55409374277714e-05	0.939437581676267
LAML	KDM4A	cg12293275	0.0507502694231019	140	0.556658671642426	0.578797312452268	0.00257558984651743	0.744986070895297
LAML	KDM4A	cg17737314	-0.401579943489088	140	-4.80342074995387	4.55224861297898e-06	0.161266451012699	6.55203753187949e-05
LAML	KDM4A	cg19743044	0.0817721146322217	140	0.898778597145903	0.370570515701385	0.00668667873142521	0.569231551585055
LAML	KDM4A	cg20873046	0.0717055822792172	140	0.787522505949755	0.432528804660344	0.00514169053000159	0.626223290216397
LAML	KDM4A	cg21451504	-0.127544609572859	140	-1.40868616739805	0.161513807536766	0.016267627431093	0.331822879192817
LAML	KDM4A	cg22094309	-0.0554411702857394	140	-0.608263127340051	0.544162550004567	0.00307372336265235	0.718365854079575
LAML	KDM4A	cg24324755	0.0396047009362232	140	0.434188414638202	0.664931299779093	0.00156853233624768	0.805475950405089
LAML	KDM4A	cg24505556	-0.1076954654215	140	-1.18664633315206	0.237711128527478	0.0115983132723534	0.429209690905573
LAML	KDM4A	cg25841161	-0.0548076125903104	140	-0.601291095459369	0.548780309179405	0.00300387439784955	0.721906858969309
LAML	KDM4B	cg01098771	0.102292746861013	140	1.12646997871121	0.262214298407547	0.0104638060603713	0.45760592077342

LAML	KDM4B	cg12072803	-0.0652152363503372	280	-1.01667526626	0.310323283827299	0.00425302705223034	0.509148782918083
LAML	KDM4B	cg18115693	-0.0542501688158	140	-0.595157267481954	0.552859035027293	0.0029430808165428	0.724999001583083
LAML	KDM4C	cg00121158	-0.00718501166759261	280	-0.111775435614029	0.911094118734436	5.1624392663442e-05	0.952780078345478
LAML	KDM4C	cg00667760	-0.0668060948021073	140	-0.73346267421449	0.464706798220495	0.00446305430270815	0.653952551941094
LAML	KDM4C	cg05545111	-0.0486459836966038	140	-0.533521697297357	0.594659325872544	0.00236643172981024	0.756186111420038
LAML	KDM4C	cg14196303	-0.137730096295005	140	-1.52327472775468	0.13032099748828	0.0189695794254314	0.286697349657917
LAML	KDM4C	cg14473811	-0.143952781694631	140	-1.59352094056335	0.113674021044385	0.020722403357622	0.260886743831849
LAML	KDM4C	cg14497348	-0.0893980196300927	140	-0.983243163301752	0.3274660441565	0.00799200591378244	0.526972269229878
LAML	KDM4E	cg15555590	-0.0604429099752766	139	-0.663331703303137	0.508390422158352	0.00365334536627939	0.690921430093058
LAML	KDM4E	cg19409026	0.0784661540945256	139	0.862212042929805	0.390290617138364	0.00615693733838584	0.58769610385866
LAML	KDM5B	cg00528052	-0.0164008099434422	280	-0.255171047515258	0.798807720194421	0.000268986566800914	0.890101665613476
LAML	KDM5B	cg00571448	0.225717484492153	140	2.53811273319711	0.0124258286427984	0.0509483828054652	0.0505229139935118
LAML	KDM5B	cg02624558	0.1632777018189	140	1.81294708669984	0.0723396215309649	0.0266596079112616	0.188813572131518
LAML	KDM5B	cg04504182	-0.0331316767200197	140	-0.36313869900451	0.717140166145323	0.00109770800227989	0.839250877549594
LAML	KDM5B	cg08915090	0.170103958337887	140	1.89095403406817	0.0610416587690943	0.0289353566422175	0.166702057231023
LAML	KDM5B	cg09889216	0.0157725901631503	140	0.172801564109841	0.863098528780962	0.000248774600454704	0.927236539396795
LAML	KDM5B	cg11171004	-0.025209211557718	140	-0.276240866627434	0.782838263228521	0.000635504347361781	0.880084971380669
LAML	KDM5B	cg11221497	-0.074532644804113	140	-0.818741485232247	0.414556887116473	0.00555511514149607	0.610125969131236
LAML	KDM5B	cg13134514	0.0495856638979091	140	0.543852740113257	0.58755182299903	0.0024587380641964	0.751350024546853
LAML	KDM5B	cg13253785	0.0853567362146208	140	0.938461154159774	0.349892535131734	0.00728577241721236	0.548947058143352
LAML	KDM5B	cg13993945	0.200965467918371	140	2.2473153968088	0.0264472160797807	0.0403871192956496	0.0898560827929624
LAML	KDM5B	cg14560895	0.0465968662010681	280	0.72566535666383	0.468745118004959	0.00217126793976024	0.657700701790596
LAML	KDM5B	cg21105875	0.0740054535320456	140	0.81291828023691	0.417874814834196	0.00547680715248376	0.613245677140378
LAML	KDM5B	cg24354901	0.0780948259625083	140	0.858106669263381	0.392544258535796	0.00609880184211447	0.589437693957182
LAML	KDM5B	cg27531483	0.0928786279396011	140	1.02185140875814	0.308906864976723	0.00862643952794285	0.507531323871659
LAML	KDM5C	cg01859586	-0.0970733052565059	139	-1.06843072825163	0.287470859986117	0.00942322659342278	0.484961358410894
LAML	KDM5C	cg04927657	-0.0525854784301023	139	-0.576843159523789	0.565125955039507	0.00276523254172276	0.734700718940415
LAML	KDM5C	cg04927982	-0.146614019198166	276	-2.3056947285605	0.0219740033687067	0.0214956706254402	0.0781818256604238
LAML	KDM5C	cg09554224	-0.0877184974209139	139	-0.964626336952657	0.336671939649584	0.00769453478978288	0.536295367715046
LAML	KDM5C	cg12234996	-0.145458231974348	139	-1.61054421133096	0.109906487931464	0.0211580972491031	0.254793337037758
LAML	KDM5C	cg16417926	-0.117994885044009	139	-1.30166235330737	0.195525146934287	0.013922792896549	0.377300039142717
LAML	KDM5C	cg16824069	-0.151075932507017	139	-1.67416977387237	0.0967017527996708	0.0228239373828646	0.232508612495676
LAML	KDM5C	cg19903753	-0.133002993136865	139	-1.47003511829845	0.14416932127047	0.0176897961833651	0.307366827781385
LAML	KDM5C	cg24985300	-0.0523224458958233	139	-0.573949849610191	0.567075968007055	0.00273763834452136	0.73584046996165
LAML	KDM5C	cg27526317	-0.121565441185927	139	-1.34163301706648	0.182248385292085	0.014778156490729	0.359907366420747
LAML	KDM6A	cg00751785	-0.454653007240359	139	-5.59183728030585	1.43537577280537e-07	0.206709356992702	3.00786010182694e-06
LAML	KDM6A	cg03267667	-0.0563280204980693	139	-0.618023774964379	0.537730849077699	0.00317284589323091	0.713568396444298
LAML	KDM6A	cg03478540	-0.227193487670901	139	-2.55561008900451	0.0118492905796092	0.0516168808400676	0.048699024232459
LAML	KDM6A	cg06877198	-0.0121648314792961	139	-0.133268913329147	0.894203942469366	0.000147983124919673	0.943935707717617
LAML	KDM6A	cg07167981	-0.475415981044412	139	-5.91969907027845	3.13832028348659e-08	0.22602035503242	7.69437403509474e-07
LAML	KDM6A	cg11895950	-0.27931167865955	139	-3.18652839986978	0.00183576683916304	0.0780150138356157	0.0110835580509002
LAML	KDM6A	cg14384228	-0.274278617812989	139	-3.124391285792	0.00223436366699256	0.0752287601894037	0.0129910379005994
LAML	KDM6A	cg15923127	0.0873784354311843	139	0.960857901485859	0.338555723636565	0.00763499097840165	0.537919283619602
LAML	KDM6A	cg17824914	-0.113709569019401	139	-1.25375775042578	0.21236711008585	0.012929866086578	0.398612338030657
LAML	KDM6A	cg20211377	-0.182244260902999	139	-2.03038817848411	0.0445276620729648	0.0332129706320805	0.132521708684503
LAML	KDM6A	cg22133177	0.0489237947974676	139	0.536575862180825	0.59255399692484	0.00239353769738472	0.754812359987081
LAML	KDM6A	cg27306636	-0.230526546539985	139	-2.59519056077984	0.0106328053572779	0.0531424886596518	0.0447214781554972
LAML	KDM6B	cg01046511	0.219780955412079	139	2.46792230050778	0.0149996226466727	0.0483036683618464	0.0583732188181719
LAML	KDM6B	cg02308232	0.199353012199968	139	2.22853455780433	0.0277074113110022	0.0397416234732005	0.0930686682006954
LAML	KDM6B	cg24893073	0.20959029594082	139	2.34809960309563	0.0205056226736482	0.0439280921525604	0.0742237872758845
LAML	KDM8	cg00636124	-0.00429470898134374	139	-0.0470466136182667	0.962554283905797	1.84445252344346e-05	0.980322423048906
LAML	KDM8	cg01755539	0.095481072685517	139	1.05074333470447	0.295487909860264	0.00911663524117697	0.493430632929383
LAML	KDM8	cg06329197	-0.0921132077270617	139	-1.01335788379086	0.31292812393698	0.00848484303776881	0.511934390728974
LAML	KDM8	cg08572679	0.0609696905792603	139	0.669134342637907	0.50469510039619	0.00371730316933074	0.687886695225065
LAML	KDM8	cg09140090	0.210673298718892	139	2.36079479646536	0.0198477864005937	0.0443832387930995	0.0723711598428772
LAML	KDM8	cg10214171	0.268852751979393	139	3.05771547698798	0.00275039514536269	0.072281802246893	0.0153621654177445
LAML	KDM8	cg10221365	-0.111870308454126	139	-1.23321897209896	0.219904345125034	0.0125149659136213	0.408024390599302

LAML	KDM8	cg16752029	0.0608196234621542	139	0.667481253381558	0.505746382498496	0.00369902659807822	0.68883229301413
LAML	KDM8	cg24206694	-0.0206572798730986	276	-0.321420445040918	0.748169224569367	0.000426723211755526	0.858731102365802
LAML	KDM8	cg24705286	0.00202151205828132	276	0.0314474117177068	0.974938650953844	4.0865110017768e-06	0.986832077714679
LAML	KIAA202f	cg03495688	-0.0764307997296365	139	-0.839713718434929	0.402738762226891	0.00584166714731181	0.599258663567127
LAML	KIAA202f	cg25608569	-0.00388957984797825	139	-0.0426085347489921	0.966084407870632	1.51288313937985e-05	0.982181816619244
LAML	KMT2B	cg09284703	-0.00263509344672975	139	-0.0288661026573631	0.97701933289195	6.94371747299808e-06	0.987957241060374
LAML	KMT2B	cg13830730	-0.120621161661248	139	-1.33105718732912	0.185693592008151	0.0145494646405088	0.364453986873319
LAML	KMT2B	cg15496871	0.0459310644520055	139	0.503681181018503	0.615408838032346	0.00210966268169428	0.771159356107862
LAML	KMT2B	cg24471867	0.0617594232735805	276	0.962588673376349	0.336714823135378	0.00381422636308528	0.536330732002326
LAML	L3MBTL1	cg01071811	-0.136263612059568	276	-2.1397223469303	0.0333778268877783	0.0185677719715206	0.106864542962706
LAML	L3MBTL1	cg01877937	-0.200707457772563	139	-2.24430898740474	0.0266455127252343	0.040283483605525	0.0903601140778936
LAML	L3MBTL1	cg02177317	-0.137395193299101	139	-1.51949939409284	0.13126726787659	0.0188774391416973	0.288015988737855
LAML	L3MBTL1	cg02472486	-0.199032400228937	139	-2.22480253003633	0.0279639834073772	0.0396138963408918	0.0937160265882697
LAML	L3MBTL1	cg02611863	-0.104737583932838	276	-1.63834550303823	0.102649112223969	0.0109699614880883	0.242683028000347
LAML	L3MBTL1	cg03486259	-0.0754016393343861	139	-0.828341661001603	0.409121493529917	0.00568540721431284	0.605137322324677
LAML	L3MBTL1	cg04984575	-0.0830097383392761	139	-0.912475316778283	0.363348098900637	0.00689061665915508	0.562309669012222
LAML	L3MBTL1	cg06362543	0.107263147485363	139	1.18182726557397	0.239610938907836	0.0115053828084667	0.431538219270661
LAML	L3MBTL1	cg06446163	-0.0795480685123195	139	-0.87417566600021	0.383768740402722	0.00632789520404067	0.581949469280875
LAML	L3MBTL1	cg06908806	0.118896720741974	139	1.31175307320248	0.192107491967872	0.0141364302031949	0.372632778889658
LAML	L3MBTL1	cg07678583	0.210419260821531	139	2.35781609466801	0.0200004380021274	0.0442762653246795	0.0728151476009687
LAML	L3MBTL1	cg08369943	0.224094420024349	139	2.51889328724926	0.0130879903133337	0.0502183090860495	0.0526017310733418
LAML	L3MBTL1	cg08633313	-0.285029412988538	139	-3.25746440910605	0.0014620076099045	0.0812417662685903	0.00920487374594614
LAML	L3MBTL1	cg09541000	-0.221597771698806	139	-2.48937234650589	0.0141667020449731	0.0491055724218761	0.0558384971822788
LAML	L3MBTL1	cg10360552	-0.233965431083884	139	-2.63612886315141	0.00949401377644929	0.0547398229422676	0.0409002828510962
LAML	L3MBTL1	cg12699433	-0.0376296334207933	139	-0.412504135286046	0.680705983997242	0.00141598931138328	0.815832031291214
LAML	L3MBTL1	cg14306330	0.0541282259857145	139	0.593815545155569	0.553753223827991	0.00292986484836058	0.725633403986638
LAML	L3MBTL1	cg15123011	0.218969795309006	139	2.45835415545045	0.0153850477954142	0.0479477712576679	0.0595573451530878
LAML	L3MBTL1	cg15302378	-0.167672034114902	139	-1.86313177692861	0.0648886570128179	0.0281139110242289	0.174349745575766
LAML	L3MBTL1	cg15330298	-0.214940118896235	139	-2.41090045583704	0.0174299936912106	0.0461992547111276	0.0655193747995832
LAML	L3MBTL1	cg15388309	-0.201887012018544	139	-2.25805748172328	0.0257491987593337	0.0407583656217757	0.0880807830570577
LAML	L3MBTL1	cg16862791	-0.182924661487662	139	-2.03823046572885	0.0437248349231128	0.0334614317803756	0.130742584003099
LAML	L3MBTL1	cg17091610	-0.036197304287036	139	-0.39678162731946	0.6922332608000598	0.00131024483764827	0.823293854003505
LAML	L3MBTL1	cg17774347	-0.111626808542993	139	-1.23050080789048	0.220916232189116	0.0124605443854941	0.409150494403392
LAML	L3MBTL1	cg18911945	-0.130252898036912	139	-1.43910906243149	0.152722970843268	0.0169658174470142	0.319715045175887
LAML	L3MBTL1	cg20091959	-0.114719646043318	276	-1.79647939532996	0.0736653913054868	0.0131605971883042	0.191330310203627
LAML	L3MBTL1	cg20252111	-0.215960885241307	139	-2.42290873015298	0.0168909014971658	0.0466391039542089	0.0638991332528689
LAML	L3MBTL1	cg20529070	-0.236230443111767	139	-2.66314981688456	0.00880394877053829	0.0558048222527818	0.0386574696988912
LAML	L3MBTL1	cg22330467	-0.0437623986229342	139	-0.47985277256395	0.632205557367294	0.00191514753323259	0.783162138407161
LAML	L3MBTL1	cg22457903	-0.164752800774811	139	-1.82978066251085	0.0697649484880564	0.0271434853631445	0.183901274148816
LAML	L3MBTL1	cg22601123	-0.030738685327346	139	-0.336884619992107	0.736792348243419	0.000944866775653597	0.851568927980827
LAML	L3MBTL1	cg23626798	-0.0661572374661841	276	-1.03142472198741	0.303371391522705	0.00437678006915708	0.501870792814829
LAML	L3MBTL1	cg24343973	0.0823556425761288	139	0.905235946172148	0.367154312962655	0.00678245186412708	0.566040480036004
LAML	L3MBTL2	cg02358112	0.0551573910531864	140	0.605140167459012	0.546228547613743	0.00304233778779413	0.719859455074767
LAML	L3MBTL2	cg06235991	-0.0853587679970069	280	-1.33273491013274	0.183872244354301	0.00728611927396685	0.362203924270699
LAML	L3MBTL2	cg08053598	-0.0245660027393965	140	-0.269188315245491	0.788247067035712	0.000603488490592034	0.883408135721558
LAML	L3MBTL2	cg09993119	-0.080215757665448	140	-0.881560406123185	0.379776926757799	0.00643456777784187	0.578246848691527
LAML	L3MBTL2	cg12821546	-0.0165079627518878	140	-0.180860316611157	0.856782323229779	0.000272512834217715	0.923796718407847
LAML	L3MBTL2	cg13843727	0.161366896036369	140	1.79115985187161	0.0757884177358683	0.0260392751364124	0.195370275344428
LAML	L3MBTL2	cg14679202	-0.0735173655392146	280	-1.14676502787446	0.252611301018492	0.0054048030358265	0.446547072155802
LAML	L3MBTL2	cg15283028	-0.121982183449512	140	-1.34630165999519	0.180742877932685	0.0148796530791105	0.357879086917338
LAML	L3MBTL2	cg19467356	-0.0111231509900816	140	-0.121855552647181	0.903217242881824	0.000123724487948154	0.948758505509675
LAML	L3MBTL2	cg24240981	0.0317241535380434	140	0.347695698540865	0.72867785473646	0.00100642191770535	0.846589092679946
LAML	L3MBTL2	cg26947834	0.248794994927196	140	2.813892171111907	0.00572146287088008	0.0618989495008236	0.0276130952650441
LAML	L3MBTL2	cg27177954	-0.0361526954624505	140	-0.396292001334725	0.692593418911401	0.00130701738920069	0.823520289444961
LAML	L3MBTL3	cg03454037	0.0130043519117371	139	0.142467584837579	0.886949611551077	0.0001691131686443	0.939908467187156
LAML	L3MBTL3	cg07826275	-0.00330472033541231	139	-0.0362015951615721	0.971181766477805	1.09211764952877e-05	0.984713122728893
LAML	L3MBTL3	cg08106148	-0.09738593545369	139	-1.0719045642927	0.285913921342689	0.00948402042419028	0.483194030173209

LAML	L3MBTL3	cg08358392	-0.276438429577054	139	-3.15102144090083	0.00205459799655262	0.0764182053470281	0.0121566319245372
LAML	L3MBTL3	cg09710740	0.0183091142511872	139	0.20059992340529	0.841351007831049	0.000335223664663026	0.915041722299419
LAML	L3MBTL3	cg10237990	-0.128802152327492	139	-1.42280843760849	0.157386143676716	0.0165899944441944	0.326068454269357
LAML	L3MBTL3	cg16487825	-0.0322054010759632	139	-0.352975591344161	0.724726008761534	0.00103718785846365	0.844052564908
LAML	L3MBTL3	cg16800851	-0.215215442520438	139	-2.41413853940307	0.0172831410982294	0.0463176866992678	0.0650784341587356
LAML	L3MBTL3	cg18411550	-0.00974640896965583	139	-0.106771632318952	0.915148448840082	9.49924878037876e-05	0.955143730502021
LAML	L3MBTL3	cg18798995	-0.0684123410393494	139	-0.75117956308133	0.454015207205591	0.00468024840648424	0.644307691439888
LAML	L3MBTL3	cg22934935	0.136013085316583	139	1.5039246089579	0.135228149096168	0.0184995593773361	0.294041944008367
LAML	L3MBTL3	cg24516147	0.0735470411154848	139	0.807855344129339	0.42077239081817	0.00540916725684281	0.615918009169693
LAML	LBR	cg01017344	-0.0875641430307144	140	-0.962915799250216	0.337526164058574	0.0076674791447034	0.537022828241513
LAML	LBR	cg05530459	0.0415993894921522	140	0.456093287761109	0.64914724882302	0.00173050920611978	0.794746169068301
LAML	LBR	cg12994003	0.012753551294886	280	0.19841483435338	0.842887093881343	0.000162653070631288	0.91604282322093
LAML	LBR	cg14607642	0.214688861423257	280	3.41950932618259	0.000736081442855537	0.0460913072192146	0.00519747978049305
LAML	LBR	cg18107727	-0.16639294767456	140	-1.84851256003972	0.0669899359121803	0.0276866130358288	0.178546494256275
LAML	LBR	cg18289048	-0.157535201559279	140	-1.7475324572688	0.083103045495475	0.0248173397303226	0.208545752299193
LAML	LBR	cg18764107	0.108179880395669	140	1.19204693801367	0.235594888821916	0.0117028865224213	0.426884724950205
LAML	LBR	cg19322477	-0.0123833472222736	140	-0.135663174409933	0.892314872648748	0.000153347288427391	0.94294447210341
LAML	LBR	cg20483690	-0.0269254011624178	140	-0.295059967001265	0.768457952527002	0.000724977227757132	0.871692077771906
LAML	LBR	cg26930584	0.0928606428741745	140	1.02165181564639	0.309000963696088	0.00862309899500498	0.507631180378218
LAML	MBD1	cg01719254	-0.0194229293116521	140	-0.212807674990076	0.831838067083156	0.000377250183045433	0.90980936340162
LAML	MBD1	cg03841029	-0.0218888345408311	280	-0.340591955561903	0.733706266016799	0.000479121077555882	0.849766190631257
LAML	MBD1	cg05549078	0.081988643989697	140	0.901174612755332	0.36930059980598	0.00672213774326928	0.567998633082373
LAML	MBD1	cg12090413	0.0730141594988738	140	0.8019705797863	0.424155273465232	0.00533106748732698	0.619168643397775
LAML	MBD1	cg13478031	-0.0945447527167975	140	-1.04034598804262	0.300270752258081	0.00893871026628039	0.498564935034367
LAML	MBD1	cg14389183	-0.0203349763903918	140	-0.222804576371338	0.824066406679657	0.000413511264797793	0.905395334311178
LAML	MBD1	cg19328682	-0.0457958874288894	140	-0.502195706433255	0.616450134260244	0.00209726330539951	0.772078658970608
LAML	MBD1	cg21282183	-0.0212889481000849	140	-0.233261607322541	0.815955699756937	0.000453219311208106	0.900926777599523
LAML	MBD2	cg15090185	-0.0536793390302165	140	-0.588876724961844	0.557050858252588	0.00288147143872092	0.728371898394881
LAML	MBD2	cg16852837	-0.18817982524484	140	-2.09890449184689	0.0379217970412817	0.0354116466291785	0.117726725430921
LAML	MBD2	cg17987217	0.0113260356196136	140	0.124078462510312	0.901460749799067	0.000128279082856756	0.947973526499704
LAML	MBD2	cg22224310	-0.124053895982667	140	-1.36952123584783	0.173393867721195	0.0153893691084784	0.348321209355937
LAML	MBD2	cg22836370	0.036718110602834	280	0.571585191142425	0.568133522754242	0.00134821964624195	0.736733497843735
LAML	MBD2	cg23388714	-0.215156911088165	140	-2.41345010022392	0.0173142706956103	0.0462924963890003	0.0651716200640556
LAML	MBD2	cg24881765	-0.0964311266944199	140	-1.06129606775403	0.290686681218617	0.00929896219555526	0.488300396854335
LAML	MBD2	cg25192916	0.100474150226804	140	1.1062370962757	0.27083670206828	0.0100950548637985	0.467037669866774
LAML	MBD3	cg08660999	-0.00898563520659666	140	-0.0984366759728615	0.921749793016661	8.07416400660294e-05	0.959007388883481
LAML	MBD3	cg09174855	-0.0720582637262346	140	-0.791416075856475	0.430262757523213	0.00519239337123958	0.624271047540045
LAML	MBD3	cg12286540	-0.0760031612784934	140	-0.834988056403683	0.405383737547381	0.00577648052432468	0.601771218539118
LAML	MBD5	cg03890220	0.0523948462988712	139	0.574746228868085	0.566538904309068	0.00274521991868233	0.735535880094381
LAML	MBD5	cg04152151	0.0195754881574479	139	0.214479827004383	0.830536942412574	0.000383199736602383	0.90911280186135
LAML	MBD5	cg05218490	0.0236869108166217	278	0.368585271333259	0.712759111306332	0.000561069744034588	0.836527401861155
LAML	MBD5	cg06394585	0.0977898036177474	139	1.07639267868663	0.283910949966444	0.00956284569159761	0.481199338584491
LAML	MBD5	cg06758980	-0.0575811215308579	139	-0.631817875737121	0.528707721216002	0.00331558555675143	0.707090608045052
LAML	MBD5	cg20595490	-0.00092423839055211	139	-0.0101245286246244	0.991938745675031	8.54216602570359e-07	0.995725586879101
LAML	MBD5	cg21412502	-0.0945185959742739	139	-1.04005557114266	0.300405091775317	0.00893376498494803	0.498713480784656
LAML	MBD5	cg23120335	0.0166678670585487	139	0.182612703760452	0.855410069081407	0.000277817792281454	0.923092952061576
LAML	MBD5	cg25686162	-0.00632880065564538	139	-0.0693299260955581	0.944842403792073	4.00537177388974e-05	0.970478484804401
LAML	MBD5	cg26664634	-0.0697438321191983	139	-0.765870346683823	0.445257293177636	0.00486420211867092	0.637212098278742
LAML	MBTD1	cg01388767	0.00615352250470377	140	0.0674097379540703	0.946367704700649	3.78658392158958e-05	0.971416704748539
LAML	MBTD1	cg14577476	-0.0469851962343329	140	-0.51526610412814	0.607314993468407	0.00220760866517877	0.765406383287588
LAML	MBTD1	cg17045523	-0.127673693198384	140	-1.41013546388427	0.161086432657874	0.016300571934915	0.331214418302578
LAML	MBTD1	cg18711617	-0.015572238700175	140	-0.170606014913219	0.864820888444383	0.000242494618135229	0.928239575541085
LAML	MBTD1	cg22141797	-0.124894642327019	140	-1.37894941873577	0.170475231924163	0.0155986716819939	0.344276004203959
LAML	MBTD1	cg25259117	-0.0487475011428242	140	-0.534637732653614	0.593889607501157	0.00237631886766965	0.755709371335138
LAML	MBTD1	cg25716740	0.0134675227072779	280	0.209524487932682	0.834215096913482	0.000181374167871046	0.911102630238912
LAML	MBTD1	cg25855326	-0.124973069543398	140	-1.37982906005415	0.170204837957977	0.015618268111099	0.343937741287934
LAML	MBTD1	cg27207041	0.0621180148164519	280	0.968199304718374	0.333911461977657	0.00385864776473694	0.533503969461693

LAML	MBTD1	cg27214721	0.317393285961557	140	3.66644654789936	0.000367762029651388	0.100738497973475	0.00289806314168356
LAML	MBTD1	cg27353579	0.018015929902839	140	0.197386659906302	0.843858921360365	0.00032457373026401	0.916616553265309
LAML	MLLT10	cg00879184	0.118070149732485	140	1.3025043713145	0.195238246845933	0.0139405602578515	0.376901190509021
LAML	MLLT10	cg03524461	0.0933981978036044	140	1.02761788289558	0.306196527059599	0.00872322335296121	0.504657235189412
LAML	MLLT10	cg04188362	-0.11469234659773	140	-1.26473763611212	0.20841610523747	0.0131543343680938	0.393608528132738
LAML	MLLT10	cg05913198	0.155734024306612	140	1.72705248598384	0.0867313312727587	0.0242530863267325	0.215152333706409
LAML	MLLT10	cg06398735	0.0302368567088953	140	0.331379689231135	0.740935709014548	0.000914267503634265	0.854336167473139
LAML	MLLT10	cg11443787	-0.115106387149584	276	-1.78765710589045	0.0751036213945799	0.0132494803626299	0.194061551226291
LAML	MLLT10	cg15910013	0.0456668525898677	140	0.500777754748709	0.617444827357523	0.0020854614254647	0.772727319371489
LAML	MLLT10	cg19119538	-0.112835508315462	140	-1.24399561605604	0.215925683950123	0.0127318519368087	0.403151794201887
LAML	MLLT10	cg20569108	-0.185989507151594	140	-2.07359359019142	0.0402566567270847	0.0345920967704929	0.123034743200551
LAML	MLLT10	cg23344688	0.0368416609424221	140	0.403854345510611	0.687038620478469	0.00135730798099639	0.819897564605479
LAML	MLLT10	cg26877631	-0.0735227632673344	140	-0.807587221810685	0.420926172557503	0.00540559671846449	0.616038579022451
LAML	MLLT10	cg27470303	0.0555454695453992	140	0.609410966573561	0.543404185536276	0.00308529918701887	0.717754473226295
LAML	MLLT10	cg27572529	-0.0141178323418353	140	-0.154668519240084	0.877342490618784	0.000199313190032171	0.935004633903042
LAML	MLLT6	cg05652455	-0.0853735392466872	140	-0.938647252650555	0.349797341679553	0.00728864120350564	0.548864123895585
LAML	MORF4L	cg03589001	-0.075044453912767	280	-1.17071893532535	0.242863292345173	0.00563167006306541	0.435389845709093
LAML	MORF4L	cg07757959	0.0356780729143479	140	0.391082695579277	0.69642961294914	0.00127292488688152	0.825947790376787
LAML	MORF4L	cg08692282	0.0437886469837569	140	0.4801411137442017	0.632001111180935	0.00191744560466808	0.783008622942932
LAML	MORF4L	cg13747872	0.157951136313978	140	1.75226430423764	0.0822826915911314	0.0249485614628767	0.207128517655982
LAML	MORF4L	cg15822222	-0.19749904216313	140	-2.20696400333696	0.0292192060962374	0.0390058716553538	0.0968338978891834
LAML	MORF4L	cg20775702	-0.132946020192955	140	-1.46939408398604	0.144342766710206	0.0176746442851457	0.307627012039169
LAML	MORF4L	cg20905746	0.0786407998507471	140	0.864143036970628	0.389233358494096	0.00618437540116527	0.586817635008447
LAML	MORF4L	cg23623458	0.0320930211855156	140	0.351742620269904	0.725648191954942	0.00102996200881396	0.844604152864042
LAML	MORF4L	cg24795825	-0.104175805061502	140	-1.1474320624305	0.253485597272825	0.010852598360212	0.447523115337739
LAML	MPHOSF	cg00331616	-0.0193573768616494	140	-0.212089178708223	0.832397282578062	0.000374708038963919	0.910049949419272
LAML	MPHOSF	cg03134886	0.0797787595018945	140	0.8767270078358	0.382386684059395	0.00636465046766111	0.580762524473012
LAML	MPHOSF	cg03428000	0.0110090413056262	280	0.171270869997332	0.864153905742061	0.000121198990468984	0.92786933397255
LAML	MPHOSF	cg04203901	-0.0231541372108765	140	-0.253708882567664	0.800154651092846	0.000536114069980098	0.890909304059132
LAML	MPHOSF	cg06019692	-0.0517312048402491	140	-0.567446742111858	0.571470765219805	0.00267611755422381	0.739321493595803
LAML	MPHOSF	cg09559995	-0.0727241079293289	140	-0.798767747768622	0.426003183083281	0.00528879587411668	0.620631702025933
LAML	MPHOSF	cg11051893	-0.0346852743820919	140	-0.380186908072795	0.704478767328746	0.001203068258961	0.831338136143307
LAML	MPHOSF	cg19693579	-0.106356942638353	140	-1.17172795638849	0.243627471619275	0.011311799247378	0.436317006147903
LAML	MPHOSF	cg20759595	0.0016493452328793	140	0.0180676963583846	0.985614854794136	2.72033969722166e-06	0.99247853906305
LAML	MPHOSF	cg20952532	-0.00731259669206697	140	-0.0801076251126805	0.936285101949511	5.34740703808288e-05	0.965999963144525
LAML	MPHOSF	cg21958444	-0.173607619912865	140	-1.93110013334774	0.0558291756075161	0.0301396056918098	0.156195077675775
LAML	MPHOSF	cg22656705	-0.136996173561913	140	-1.51500197102259	0.132401557368786	0.0187679515706057	0.289766689752641
LAML	MSH6	cg00620552	-0.00340477382210347	140	-0.0372976446981988	0.970309659531537	1.1592484779681e-05	0.984298837253315
LAML	MSH6	cg02905881	-0.0224946630528785	276	-0.348574023636051	0.727714715781267	0.000506009865862539	0.845975561492071
LAML	MSH6	cg05039065	0.0547339693968326	140	0.600480730984279	0.549318302624733	0.0029958074059334	0.722279523948086
LAML	MSH6	cg07652213	0.0186565547111208	280	0.290278402263752	0.77185184593223	0.000348067033689044	0.873540727144402
LAML	MSH6	cg09898070	-0.0208981272832114	140	-0.228977520786714	0.819276172813431	0.000436731723945305	0.902758790196148
LAML	MSH6	cg11869233	-0.0733007292444606	140	-0.805135165424773	0.422334100080417	0.00537299690776973	0.61740714713281
LAML	MSH6	cg16595246	-0.103661755555917	140	-1.1417084681851	0.255848339509276	0.0107457595649347	0.450121347048365
LAML	MSH6	cg18222961	-0.127822471808149	140	-1.41180597771352	0.160594897896576	0.0163385842991449	0.330502354090268
LAML	MSH6	cg19076255	-0.0269637232901446	140	-0.295480222458556	0.768137719619677	0.000727042373667488	0.871518037512662
LAML	MSH6	cg19736286	-0.0101058509162417	140	-0.110709703629181	0.912031500144225	0.000102128222741304	0.953299770508344
LAML	MSH6	cg21405109	-0.0121931858283176	140	-0.133579588780784	0.893958785275424	0.000148673780643886	0.94380986281762
LAML	MTA1	cg01318265	-0.0782287083205211	140	-0.859586820224619	0.391730811605233	0.00611973080549716	0.588761722527386
LAML	MTA1	cg01655777	-0.0480456790774028	140	-0.526922566480468	0.599220082811115	0.00230838727800878	0.759510673915013
LAML	MTA1	cg05922925	0.080944940038968	140	0.889626635062476	0.375446389451532	0.00655208331791212	0.574040037493458
LAML	MTA1	cg13052453	0.0308340473916009	140	0.337930745993179	0.736005838365685	0.000950738478547489	0.851099060406994
LAML	MTA1	cg13981078	0.00276808981785687	140	0.0303230208613974	0.975859811800209	7.66232123972286e-06	0.987329211303293
LAML	MTA1	cg16531924	0.0296664267793904	140	0.325122524104791	0.745654497687626	0.000880096877856929	0.857122005897295
LAML	MTA1	cg20222911	0.00784360202474288	280	0.1220215655425	0.902983203961886	6.15220927225506e-05	0.948702483206306
LAML	MTA1	cg21517792	0.0799829904457735	140	0.87898583139434	0.381165666301116	0.00639727876064869	0.579572241032132
LAML	MTA1	cg23123838	0.0502026441860345	140	0.550636737489557	0.582906353792754	0.00252030548326959	0.747985433186862

LAML	MTA1	cg23883989	-0.0896000966579552	140	-0.985483672252509	0.326369386417447	0.00802817732111492	0.525858386697492
LAML	MTA1	cg23966123	-0.0149153601102522	140	-0.163407761221225	0.870472277963866	0.000222467967218503	0.93126169045019
LAML	MTA2	cg00501779	0.0166819599566477	140	0.182767148135289	0.855289148399975	0.000278287787995198	0.923000874091412
LAML	MTA2	cg07654871	0.0503355236134941	140	0.552097893659775	0.581908074845428	0.00253366493744462	0.747211335698348
LAML	MTA2	cg09086761	-0.147473308170824	280	-2.31950769135493	0.0212006779425176	0.0217483766228468	0.0761350132752507
LAML	MTA2	cg13708959	-0.0775624835218904	140	-0.852221760862124	0.395788673498971	0.00601593885008351	0.592513885618762
LAML	MTA2	cg19570317	0.00119446257974546	280	0.0185814902357454	0.985190279624205	1.42674085441219e-06	0.992307895451414
LAML	MTA2	cg21002970	-0.0804481930337458	140	-0.88413145517634	0.378393236675821	0.00647191176239483	0.576987013484629
LAML	MTF2	cg05396182	0.073208085137319	140	0.804112075968927	0.422922365194049	0.00535942372947295	0.61796026516981
LAML	MTF2	cg05962718	0.0276182794967379	140	0.302658544949476	0.762674097485501	0.000762769362359933	0.867990179793534
LAML	MTF2	cg09936581	0.0384132318862042	140	0.421106674442412	0.674430464301568	0.0014755763839433	0.811724790207874
LAML	MTF2	cg11404133	0.00805462161611929	140	0.0882368213397836	0.92983536613179	6.48769293788561e-05	0.962793330786035
LAML	MTF2	cg14474880	0.0356266435622773	280	0.554572567091918	0.579699215940383	0.00126925773151355	0.745641123739127
LAML	MTF2	cg15463775	-0.0236683992237578	140	-0.259346975469974	0.79581192807759	0.000560193121815177	0.888198838972216
LAML	MTF2	cg16813892	0.169358831489592	140	1.88242570936818	0.0622000095533762	0.0286824138035201	0.169016994767381
LAML	MTF2	cg19708337	-0.0943164741478111	140	-1.03781149665506	0.30144451143681	0.00889559729567473	0.499841723990008
LAML	MTF2	cg22801127	0.0327143319754542	140	0.358559473004206	0.720554702013085	0.00107022751660023	0.841563062821372
LAML	MTF2	cg23992808	0.0325687884509629	140	0.356962572072107	0.721746776063621	0.00106072598116357	0.842335669128424
LAML	MTF2	cg26054395	0.0480544836738122	280	0.748416962160296	0.454935435171169	0.00230923340115669	0.645201670714562
LAML	NAP1L2	cg02379437	-0.203427983904223	139	-2.27603398361413	0.024617144079752	0.0413829446353367	0.0852049344429714
LAML	NAP1L2	cg04297329	-0.231143277956127	277	-3.68818572229221	0.000279145631213629	0.0534272149443035	0.00230065210664616
LAML	NAP1L2	cg07693661	-0.174023874355825	139	-1.93587470317935	0.05523499343548	0.030284308845812	0.155100082810131
LAML	NAP1L2	cg20001978	-0.267387398332863	139	-3.03976264660157	0.00290707759450829	0.0714960207872174	0.0160483390850964
LAML	NAP1L2	cg23483095	-0.253667152211535	139	-2.8727474958357	0.00481332766858297	0.0643470241111103	0.0240570518888367
LAML	NCOA1	cg11380327	-0.267618789709213	139	-3.04259603142011	0.00288181321693777	0.0716198166054237	0.0159394082757524
LAML	NCOA1	cg13911252	-0.212240886289197	139	-2.37918652535774	0.0189278650632713	0.0450461938128236	0.0697602744759065
LAML	NCOA1	cg15477048	-0.0252513050274876	139	-0.276702418127666	0.7824846532788	0.00063762840559122	0.879827295838395
LAML	NCOA1	cg23006163	-0.29308771747775	139	-3.35808345245287	0.00105218229091231	0.0859004101363173	0.00700380500891866
LAML	NCOA3	cg04175879	0.026981539334048	140	0.295675600615515	0.767988855918047	0.000728003464834781	0.871477601926643
LAML	NCOA3	cg09568061	0.0174410005233221	140	0.191085653481236	0.848781414088182	0.000304188499254523	0.919346174356342
LAML	NCOA3	cg12128876	-0.0189341808861423	280	-0.294599541591492	0.768552366879131	0.000358503205829157	0.871708794964063
LAML	NCOA3	cg14341558	-0.0170527681071954	140	-0.186830882100148	0.852108733269168	0.00029079690011778	0.921173844440215
LAML	NCOA3	cg14774045	0.0618426021241597	140	0.678750951373191	0.498602619457026	0.00382450743748712	0.682844380290823
LAML	NCOA3	cg18295930	0.154104736788047	140	1.70854217127849	0.0901211249554707	0.0237482699005131	0.220996179384248
LAML	NCOA3	cg21735648	-0.115635290161371	140	-1.27527602111736	0.204674967137944	0.0133715203307044	0.388812730557853
LAML	NCOA3	cg22511723	-0.0127472421365957	140	-0.139650387792945	0.889170342842867	0.000162492182089	0.94123249991316
LAML	NCOA3	cg22876277	-0.0283099257597387	140	-0.31024404655754	0.756913547725486	0.000801451896521919	0.864494773857509
LAML	NCOA3	cg24856420	-0.0908060481594996	140	-0.998857100356007	0.31987383854396	0.00824573838234536	0.519275702834732
LAML	NCOA3	cg25373408	0.176457849262239	140	1.96381468216603	0.051863952313007	0.0311373725662551	0.148187619136815
LAML	NCOR1	cg00253204	-0.0103621705993703	140	-0.113517986276469	0.909809603107938	0.000107374579530455	0.952116106417506
LAML	NCOR1	cg08125503	-0.134858538496696	140	-1.49092104171737	0.138606236063108	0.0181868254054647	0.299191255202653
LAML	NCOR1	cg08206308	-0.111795861132278	140	-1.23238790052936	0.220213368897161	0.0124983145663076	0.408364015636951
LAML	NCOR1	cg21211144	-0.0267532019432412	140	-0.293171578982084	0.769897389435172	0.000715733814215847	0.872478082084729
LAML	NCOR1	cg22291359	-0.109488484793548	140	-1.2066405034554	0.2299439820587	0.011987728302387	0.420040438168326
LAML	NCOR1	cg22625220	-0.083263880067768	140	-0.915288414552617	0.361875836668288	0.00693287372393966	0.560803379305819
LAML	NCOR2	cg08976554	0.0460639559525973	140	0.505141566783519	0.614385892598162	0.00212188803800282	0.770659574143108
LAML	NCOR2	cg10641483	0.0121520078304904	140	0.133128406139718	0.894314821499707	0.0001476712943123	0.943993585125485
LAML	NCOR2	cg13416396	-0.0921112056706737	140	-1.01333567025103	0.3129386864943	0.00848447421010516	0.511934733463382
LAML	NCOR2	cg13419087	0.0316302149701823	140	0.346665102257694	0.729450082306801	0.00100047049905994	0.846993040135157
LAML	NCOR2	cg13857025	0.0601116172500541	140	0.6596882704224552	0.510721568234703	0.003613406528417	0.692939527342737
LAML	NCOR2	cg16181859	-0.0355056882496248	140	-0.389190722245717	0.697824839344576	0.00126065389807955	0.826728359955793
LAML	NCOR2	cg19895345	0.0801252238162939	140	0.880559018686041	0.380316705843882	0.00642005149161119	0.578717584978072
LAML	NCOR2	cg23611643	-0.0512765291083862	140	-0.562446134809432	0.574861292730523	0.00262928243740318	0.741934299097107
LAML	NCOR2	cg24626542	0.0121980996564496	140	0.13363342908237	0.893916300381883	0.000148793635228675	0.943777817055375
LAML	NCOR2	cg25113767	0.0263148967168521	140	0.288365110535746	0.773564766365518	0.000692473789218591	0.874436173127566
LAML	NCOR2	cg25449924	-0.0404639222479981	140	-0.44362338710908	0.658113739899599	0.00163732900369204	0.801009141400422
LAML	ORC1	cg00298020	-0.0238024453471563	139	-0.26081661893914	0.794680985323305	0.000566556404504364	0.887606080844577

LAML	ORC1	cg02275620	0.0616760228340814	139	0.676915676496748	0.499762269708488	0.00380393179263013	0.683830618948572
LAML	ORC1	cg04407474	-0.0965260969588992	139	-1.06235111125736	0.290209601341105	0.0093172873941188	0.487762298032449
LAML	ORC1	cg07142859	-0.130500569105583	139	-1.44189283892973	0.151937357960168	0.0170303985368811	0.318507540424503
LAML	ORC1	cg08613513	-0.0577850791269044	276	-0.900429444582031	0.368786926806575	0.0033391153697026	0.567542757439026
LAML	ORC1	cg10586599	-0.0662963749090797	276	-1.03360351113101	0.302353355762973	0.00439520932608525	0.500749223120567
LAML	ORC1	cg13460942	-0.184223953078297	139	-2.05321451089059	0.0422252769609626	0.0339384648877947	0.127374973667111
LAML	ORC1	cg16136434	-0.0401457672963488	139	-0.44012966442024	0.660634931825871	0.00161168263181259	0.802535648928381
LAML	ORC1	cg16965475	-0.102920935064307	139	-1.13346155766863	0.259279902658686	0.0105927188745112	0.454104659089329
LAML	ORC1	cg17146111	-0.090387388366922	139	-0.994213863569138	0.322119315830284	0.00816987997579278	0.521583341430794
LAML	ORC1	cg19776520	-0.224025480041386	139	-2.51807742749607	0.01311678535439	0.0501874157077734	0.0526879330747878
LAML	ORC1	cg21197365	-0.0575316804679083	139	-0.631273573572534	0.529062280810156	0.0033098942574615	0.707337911790353
LAML	ORC1	cg23606758	0.0469663722610576	139	0.51505921338413	0.607459115710093	0.00220584012336424	0.765488619683658
LAML	ORC1	cg25605769	0.0340581483447933	139	0.373304894027691	0.709580178145936	0.00115995746867595	0.83458438478856
LAML	PADI1	cg14524955	-0.0515014040156092	139	-0.56491930636372	0.573183221233579	0.00265239461557901	0.740627437674734
LAML	PADI1	cg21010178	-0.0525584279931195	139	-0.576545604105905	0.565326348714162	0.00276238835310793	0.734768174203608
LAML	PADI1	cg22193702	-0.0600544587480539	276	-0.935917365695093	0.35024874199883	0.0036065380155217	0.549262213700827
LAML	PADI2	cg00569276	-0.0557686804380062	140	-0.611867525122954	0.541782956943135	0.00311014571779645	0.716598601612389
LAML	PADI2	cg01603374	-0.208615692453679	140	-2.33668281847271	0.021113580505746	0.043520507137928	0.0759171893087671
LAML	PADI2	cg07014827	-0.27697772513001	140	-3.15767891759113	0.00201180560093336	0.0767166602181956	0.0119552673530678
LAML	PADI2	cg09313801	-0.0903428412023828	140	-0.993719834953156	0.322358840510581	0.00816182895651896	0.521766086186385
LAML	PADI2	cg10233913	-0.119083403164234	140	-1.31384228994313	0.191405479916538	0.0141808569091756	0.371883064551128
LAML	PADI2	cg15185794	-0.0929987328094453	280	-1.45301781072719	0.14751425479437	0.00864876430416259	0.312247603871169
LAML	PADI2	cg17183414	-0.104899168683769	140	-1.15548780377534	0.250186256272244	0.0110038355905459	0.443854525718898
LAML	PADI2	cg18228326	-0.110494313390931	140	-1.21786182314435	0.225665733324641	0.0122089932917333	0.415044074123226
LAML	PADI2	cg18879300	0.13333769400597	140	1.4738013239267	0.143153559807218	0.0177789406428296	0.305913856489472
LAML	PADI2	cg19282714	-0.0935160659596218	280	-1.46117176625086	0.145265489351692	0.00874525459256433	0.309077030840618
LAML	PADI3	cg01459162	0.0954257968256009	276	1.48819806371673	0.138005965757265	0.00910608269980086	0.298272937159545
LAML	PADI3	cg12858514	-0.381904193336727	280	-6.42828678987438	6.81309636375366e-10	0.145850812888176	2.3175522309511e-08
LAML	PADI3	cg14664242	-0.160939046324799	140	-1.7862843024224	0.0765785108810357	0.0259013766319359	0.196862891029547
LAML	PADI3	cg17589397	0.0515252909549241	140	0.565182019693526	0.573005105937273	0.00265485560798958	0.740500505124587
LAML	PADI3	cg18768338	-0.190466927425641	140	-2.12536847019587	0.03560622361247	0.0362776504429643	0.112280341539123
LAML	PADI3	cg21966975	-0.265179029666538	140	-3.01274959576324	0.00315843083473636	0.0703199177748865	0.0171750991442388
LAML	PADI4	cg16091981	-0.095621629931936	140	-1.05230439215011	0.294774298604533	0.00914349611084013	0.492614593960397
LAML	PADI4	cg18333690	-0.072726067386206	280	-1.13435592644851	0.257767656808993	0.00528908087746298	0.452270867433815
LAML	PADI4	cg19159961	-0.0836215298007299	140	-0.919247548389917	0.359810207831245	0.00699256024621436	0.558659494412101
LAML	PADI4	cg21295838	-0.0835729168067605	140	-0.918709388194428	0.360090545074548	0.0069844324235897	0.558983195584655
LAML	PADI4	cg23228178	-0.0845592245319298	280	-1.32016103984201	0.188028563772862	0.00715026245344132	0.367492176500665
LAML	PADI4	cg26918754	-0.0886258833922006	140	-0.974683304436233	0.331678098378873	0.00785454720704794	0.531396921710229
LAML	PADI6	cg12643633	-0.0248796627939002	139	-0.272627441637152	0.785608192967525	0.000618997620738184	0.881708198279097
LAML	PADI6	cg16017904	-0.171088989240521	139	-1.90223330185124	0.0595375012940191	0.029271442239343	0.163749703930243
LAML	PARP1	cg00653565	-0.0194323773418595	140	-0.212911231598549	0.831757474655728	0.000377617289156413	0.90977513882858
LAML	PARP1	cg02088626	0.0718137922110447	140	0.788717101746491	0.431832810210059	0.00515722075173111	0.625644034305145
LAML	PARP1	cg03149313	0.0936482335462187	140	1.03039321961586	0.304897778941678	0.00876999164632713	0.503403478523878
LAML	PARP1	cg04960271	-0.00190396649401339	280	-0.0296188213049861	0.976395466317541	3.62508841032563e-06	0.987541069565588
LAML	PARP1	cg07113065	-0.120418014354298	140	-1.32878243950269	0.186440950321557	0.014500498181032	0.36540415915439
LAML	PARP1	cg17661881	-0.0460081164621682	280	-0.71647702700816	0.474387701448334	0.00211674678039643	0.662308947191753
LAML	PARP1	cg25722198	-0.0968057069228793	140	-1.06545752396946	0.288808012981345	0.00937134489283841	0.486322797772948
LAML	PARP1	cg26464410	-0.198102562669865	140	-2.2139831197415	0.0287195588339487	0.0392446253363678	0.095552534425122
LAML	PARP2	cg01813761	0.10163124653667	139	1.11910911612312	0.265328701503662	0.0103289102725974	0.461014026417169
LAML	PARP2	cg10910545	-0.0142707656917042	139	-0.15634432658762	0.876024340121183	0.000203654753427522	0.934385407882598
LAML	PARP2	cg15078479	-0.0236277467841069	276	-0.367664121783451	0.713445043732014	0.000558270418093875	0.836978883642301
LAML	PARP2	cg15365367	-0.0859799584431905	139	-0.945364063727754	0.346372689275316	0.00739255325389277	0.545680781480032
LAML	PARP2	cg18899035	-0.026735371017326	139	-0.291752753871051	0.770983655857444	0.000714780063434077	0.873125535117432
LAML	PARP2	cg19540080	-0.0790931553646302	139	-0.869144938580926	0.386502931549115	0.00625572722553352	0.584495335658253
LAML	PARP2	cg24595957	-0.0994113472588154	276	-1.55417636321921	0.121449134955968	0.00988261596381279	0.272916756544306
LAML	PARP2	cg26206608	0.0551219795463215	139	0.604750477979371	0.546486623085023	0.00303843262910509	0.720077580560236
LAML	PARP2	cg26430074	-0.0463849818346965	139	-0.508669530438521	0.611917821202445	0.00215156653980512	0.768766108695181

LAML	PAXIP1	cg02824291	0.0531059817946181	139	0.58256895705125	0.561276570481861	0.0028202453023703	0.731781684052858
LAML	PAXIP1	cg12220104	0.0913587013889438	139	1.00498723840105	0.316925207284251	0.0083464123194742	0.516156405857356
LAML	PAXIP1	cg22583711	-0.0887443868024749	139	-0.975996911125315	0.331029417854456	0.00787556618894728	0.530675758496703
LAML	PAXIP1	cg24448952	-0.40360155960139	139	-4.83229332144566	4.03282739956792e-06	0.162894218912675	5.88390425210028e-05
LAML	PAXIP1	cg24452135	0.024664294876934	139	0.27026603100845	0.787419859227557	0.000608327441776352	0.882875351725186
LAML	PCGF1	cg03203239	0.217667288086088	140	2.44300145106315	0.0160219511401843	0.0473790483027519	0.061351233855065
LAML	PCGF1	cg08092637	0.0220861853357294	140	0.242001069562475	0.809192419217322	0.000487799582684189	0.896890461974033
LAML	PCGF1	cg27306986	-0.0986311361873068	140	-1.08574398347961	0.279768577373227	0.00972810102559907	0.476869340669869
LAML	PCGF2	cg09395368	-0.0722978975742157	140	-0.794061781104759	0.428726954084368	0.00522698599365178	0.622885137100371
LAML	PCGF2	cg17902383	0.0682328562772801	140	0.749199558279889	0.45520306401958	0.00465572267575596	0.645523008125881
LAML	PCGF2	cg20228512	-0.055989829849345	280	-0.872365790087722	0.383873563468279	0.00313486104655861	0.582057848915357
LAML	PCGF2	cg25377665	-0.132361172456357	140	-1.46281449262691	0.146132388507055	0.0175194799740215	0.310166512919291
LAML	PCGF5	cg03905463	-0.104831333742079	140	-1.15473228113693	0.250494394466802	0.0109896085341431	0.444177628627607
LAML	PCGF5	cg06001881	-0.0574810430149059	140	-0.630716105047272	0.529425543936109	0.00330407030608147	0.707604686280657
LAML	PCGF5	cg07421809	-0.177237416155008	140	-1.97277128558881	0.0508208889680707	0.0314131016853035	0.146031469931787
LAML	PCGF5	cg07424295	0.115863188073204	140	1.27782354292059	0.203778061454557	0.0134242783504867	0.387682143082728
LAML	PCGF5	cg08633154	0.0221861060056106	280	0.345219785171806	0.730229015252361	0.00049223299692193	0.847441857495105
LAML	PCGF5	cg11113644	-0.18182879843709	140	-2.02560104851815	0.0450238914343202	0.0330617119410757	0.133630483775571
LAML	PCGF5	cg12783297	0.0134907800113827	140	0.147797540884359	0.882750602322941	0.000182001145315522	0.937754507750965
LAML	PCGF5	cg15550435	0.00253653800863432	140	0.0277864710955346	0.977878613789224	6.43402506924657e-06	0.988527065870353
LAML	PCGF5	cg17001035	0.062692832976611	280	0.977193869069988	0.329449012194856	0.00393039130663324	0.529123530662235
LAML	PCGF5	cg20515900	0.0213672892438245	140	0.234120377455872	0.81529049189076	0.000456561049629258	0.900598136327283
LAML	PCGF5	cg22968329	-0.0656624912600255	140	-0.720852231382351	0.472402415687966	0.00431156275847293	0.660479583575096
LAML	PCGF5	cg23395902	-0.0207947834276909	140	-0.227844707210287	0.820154735718975	0.000432423017804567	0.903304652365353
LAML	PCGF5	cg25390656	-0.12291265256543	140	-1.35672804857477	0.177414448308647	0.0151075201606702	0.353692265689173
LAML	PCGF6	cg01917164	-0.0242844692856389	140	-0.26610150881381	0.790617700984222	0.000589735448485139	0.88502549985844
LAML	PCGF6	cg06691148	0.0263315689211982	140	0.288547935373352	0.773425175170178	0.000693351521851809	0.874321222651288
LAML	PCGF6	cg11612727	0.0270813990576219	140	0.296770709155599	0.767154624766686	0.000733402174918164	0.870982384088162
LAML	PCGF6	cg11814370	-0.0780430404037388	140	-0.857534160922428	0.392859169990848	0.0060907161554596	0.589694880135346
LAML	PCGF6	cg14409890	-0.134429173541507	140	-1.48608671989769	0.139878758234749	0.0180712026990525	0.301162435832703
LAML	PCGF6	cg16113748	0.0531709632419616	140	0.58328381883368	0.560796880892581	0.00282715133207803	0.731376907831642
LAML	PCGF6	cg16382383	0.0587374111431058	140	0.644548935536307	0.520449760404679	0.00345008346779425	0.700761006298728
LAML	PCGF6	cg24418712	0.143758207277869	140	1.59132156696238	0.114168203957483	0.0206664221597468	0.261585169459795
LAML	PCGF6	cg25481680	-0.00485909609317196	140	-0.0532293591842913	0.957637676182216	2.3610814842679e-05	0.977670149355897
LAML	PCGF6	cg26155979	0.0713785448688426	140	0.783912309134056	0.434636167008166	0.00509489666759338	0.628071170384158
LAML	PCGF6	cg27217148	0.229310758328731	280	3.66489573870859	0.00030407758382733	0.0525834238852978	0.00247312196092664
LAML	PHC1	cg02770112	0.110252704455187	140	1.21516601847775	0.226688249254565	0.012155658396829	0.416204091293112
LAML	PHC1	cg08021945	0.217987804084628	140	2.44677811096346	0.0158631377796001	0.0475186827296382	0.0609049916309453
LAML	PHC1	cg08867249	-0.0357122901457059	140	-0.391458244095506	0.696152790030974	0.00127536766745108	0.825825186224519
LAML	PHC1	cg09059548	-0.0264844203164503	280	-0.412145460255612	0.680597652766536	0.000701424519498404	0.815790833350544
LAML	PHC1	cg09912793	0.214964426916927	140	2.41118631841298	0.0174169849000185	0.046209704839723	0.065474868237752
LAML	PHC1	cg12581035	-0.0063206067960287	280	-0.0983275305025782	0.921753611867183	3.99500702700042e-05	0.959007388883481
LAML	PHC1	cg14199415	0.11011319482106	140	1.21360950849875	0.227280153477703	0.0121249156737008	0.416897320498088
LAML	PHC2	cg06899053	-0.0768584651063628	140	-0.844440144171187	0.400103862525128	0.00590722365850599	0.596691642441311
LAML	PHC2	cg13640100	-0.0646619641360577	140	-0.709821824522705	0.479191672463448	0.00418116960593281	0.666587457399712
LAML	PHC2	cg15586632	-0.120134811115566	140	-1.325611545675	0.187486485227944	0.0144323728417727	0.366815643876633
LAML	PHC2	cg16558908	0.262247581281163	140	2.97697042278127	0.00352225750295823	0.0687737938878202	0.0187331988914427
LAML	PHC2	cg17161743	0.102151160819479	140	1.12489434956121	0.262878791719511	0.010434859656767	0.458261836665345
LAML	PHC2	cg19746874	0.0260330275606441	140	0.285274212895558	0.775925860660819	0.000677718523973255	0.875985029376092
LAML	PHC2	cg21198021	0.0132442920628329	280	0.206050904670413	0.836924387096321	0.000175411272245618	0.912726705664727
LAML	PHC2	cg21578869	-0.111859797757084	140	-1.23310163763812	0.219947955393726	0.0125126143542558	0.408076108797984
LAML	PHC2	cg23886755	-0.0815778085353903	280	-1.2732968041536	0.204134465494709	0.0066549388454368	0.388177917103578
LAML	PHF1	cg01097444	0.121260045033484	140	1.33821220977203	0.183357464199483	0.0147039985215226	0.361528591304894
LAML	PHF1	cg02776641	0.132023870129238	140	1.45902051765308	0.147172122076216	0.0174303022839018	0.311786391024132
LAML	PHF1	cg03560363	0.0569329012706132	140	0.624681915530712	0.533365803739935	0.00324135524708939	0.710442081640718
LAML	PHF1	cg03876174	0.00323286605846802	140	0.0354144583785401	0.971808098678288	1.04514229519945e-05	0.985078560818528
LAML	PHF1	cg06618123	0.192869061728056	140	2.15320215597076	0.0333035894110936	0.0371984749718608	0.106714697860063

LAML	PHF1	cg06919790	0.18524194861214	140	2.06496229693234	0.0410806078409373	0.0343145795256229	0.124797907153151
LAML	PHF1	cg07857404	-0.0749802962423776	140	-0.823686657565748	0.411751665814982	0.0056220448245947	0.607396379806957
LAML	PHF1	cg08665801	0.230031730661831	140	2.5893085083322	0.0108061660705724	0.052914597111277	0.0452914650769952
LAML	PHF1	cg08798692	0.148520351842733	140	1.64520533345011	0.102544467869234	0.0220582949114893	0.242560944217318
LAML	PHF1	cg10033570	0.235309605383755	140	2.6521589688338	0.0090789672945764	0.0553706103858587	0.039603520338358
LAML	PHF1	cg10797813	0.252060974696326	140	2.85331945542723	0.00509736231998304	0.0635347349648616	0.0251678220564078
LAML	PHF1	cg13303256	0.0668437150317746	280	1.04217504036753	0.298370538465971	0.00446808223924909	0.496589238466214
LAML	PHF1	cg13528777	0.138591322115127	140	1.53298570400491	0.127911603498557	0.0192075545656189	0.282876745673785
LAML	PHF1	cg13547657	0.204550704792069	140	2.28914239991912	0.0238194084125444	0.0418409908309324	0.0831131221370477
LAML	PHF1	cg18443095	0.156576824499701	140	1.73663318656593	0.0850181794298474	0.0245163019704102	0.212072303801923
LAML	PHF1	cg20135607	-0.032133426480407	140	-0.35218592366328	0.725316583023845	0.00103255709737172	0.844424331568773
LAML	PHF1	cg20872639	0.228973507256911	140	2.57673613901231	0.0111852661798799	0.0524288670255304	0.0465343920636172
LAML	PHF1	cg23345642	0.0606132134809464	140	0.665207584141555	0.507194226825092	0.00367396164848678	0.689999273076852
LAML	PHF1	cg23718418	0.262950830735747	140	2.98554566502553	0.0034317005953908	0.0691431393846194	0.018340596050964
LAML	PHF1	cg24796663	0.387603213118573	140	4.60605258197314	1.02970629213209e-05	0.150236250819842	0.000134449431504068
LAML	PHF1	cg26673053	0.161983357643083	140	1.79818654710143	0.0746615856212403	0.026238608153327	0.193208149551553
LAML	PHF10	cg04353997	-0.119273249304396	140	-1.31596705772032	0.190693484052677	0.0142261079996287	0.370962963200649
LAML	PHF10	cg05243705	-0.07983748103958	140	-0.877376465078464	0.382035368421352	0.0063740233787453	0.580501243532454
LAML	PHF10	cg05736120	-0.036997691165504	140	-0.405567071607994	0.685782924465999	0.00136882915157801	0.8191581994857
LAML	PHF10	cg07652237	-0.136046437719996	140	-1.50430034687276	0.135131505283964	0.0185086332163007	0.293908556184501
LAML	PHF10	cg11442717	-0.0333846139141339	279	-0.518557633787055	0.604545046105523	0.00111453244619578	0.763362127558198
LAML	PHF10	cg15342139	-0.0775082301579666	140	-0.851622045178528	0.396120221829375	0.00600752574222033	0.592793485245353
LAML	PHF10	cg15360169	0.179169983554323	140	1.99499152173332	0.0483097373758448	0.0321018830068565	0.140635545621608
LAML	PHF10	cg16740543	0.0153677261941665	280	0.239093949591416	0.811235094754997	0.000236167008378871	0.898198499350577
LAML	PHF10	cg27124293	-0.0478112284855478	140	-0.524345413901061	0.601005538431648	0.00228591356929725	0.760861305292047
LAML	PHF11	cg00092518	0.00245447263318607	139	0.026887481550579	0.978594141223606	6.02443590705938e-06	0.988903428319879
LAML	PHF11	cg01214340	-0.0549231380074455	139	-0.602562348786303	0.54793686684794	0.00301655108858491	0.721197890898529
LAML	PHF11	cg02289189	-0.0718613226404632	139	-0.789241828150763	0.431527302344835	0.00516404969163676	0.625402169222148
LAML	PHF11	cg05080330	0.0244626031782543	139	0.268054608002213	0.789117512499978	0.000598418954256739	0.883982733334658
LAML	PHF11	cg09997676	-0.0369849976436757	139	-0.405427735147491	0.685885047109611	0.0013678900507027	0.819180838962722
LAML	PHF11	cg16956501	-0.0570817257396995	139	-0.626320185577962	0.532294548607558	0.00325832341342227	0.709773387239721
LAML	PHF11	cg21320768	0.00869478983607727	139	0.0952502510172721	0.924274932442276	7.55993702935526e-05	0.960126604583895
LAML	PHF11	cg23137039	-0.0425394177368155	139	-0.466418180295088	0.641761815172612	0.0018096020613873	0.789630463145797
LAML	PHF11	cg24481868	-0.0775546318618851	139	-0.852134968286064	0.395836645617989	0.00601472092323253	0.592551493403745
LAML	PHF11	cg24984523	-0.0947030791399714	139	-1.04210392419962	0.299458441103725	0.00896867319859169	0.497743843086674
LAML	PHF11	cg25162948	-0.0127985658407506	139	-0.140212748418763	0.888726976029407	0.000163803287580028	0.940968035021867
LAML	PHF12	cg01406758	0.101390475492106	140	1.11643030273854	0.266468493243899	0.0102800285205154	0.462158093549493
LAML	PHF12	cg02058367	0.098613149671675	140	1.08554404112018	0.279856708985094	0.00972455328816817	0.476970617082811
LAML	PHF12	cg06895197	0.0781724117774617	140	0.858964421977144	0.392072736898162	0.00611092596310503	0.589127662956668
LAML	PHF12	cg08657247	0.0496498959354496	140	0.54455897326388	0.587067408621757	0.00246511216640097	0.75099603680662
LAML	PHF12	cg08806622	0.227156995845085	140	2.55517727151759	0.011863257176649	0.051600300761364	0.048716756165553
LAML	PHF12	cg13564075	0.0218858248061298	280	0.340545101413379	0.733741499469537	0.000478989327444607	0.849794345834944
LAML	PHF14	cg06715026	-0.0969631334772214	139	-1.06720661458986	0.288020873221026	0.00940184925372144	0.485541764607807
LAML	PHF14	cg07287563	-0.17776086700463	139	-1.97878746960263	0.0501302929263563	0.0315989258382378	0.144533264422881
LAML	PHF14	cg07574654	-0.040418568701604	139	-0.443125342576683	0.658472906523982	0.00163366069588628	0.801245718734385
LAML	PHF14	cg11931558	-0.196060501717219	139	-2.19024387815479	0.0304400176422221	0.0384397203336078	0.0997788198904069
LAML	PHF14	cg13029706	-0.0584462275948867	139	-0.641342683122425	0.52252312760217	0.00341596152007329	0.702288560817595
LAML	PHF14	cg16800461	0.00995371239507068	139	0.109042858114177	0.913350629254823	9.90763904437837e-05	0.954223703058324
LAML	PHF14	cg20819769	0.0929633322824065	139	1.02279144689512	0.308463939348408	0.00864218114904912	0.50704990275261
LAML	PHF14	cg20964328	-0.104152958843382	139	-1.14717766550829	0.253590286438615	0.0108478388358313	0.447586050077266
LAML	PHF14	cg22876561	-0.128944513294034	139	-1.42440759705654	0.156923888570014	0.0166266875086354	0.325526482478406
LAML	PHF14	cg23083824	-0.231482833691932	139	-2.6056431693894	0.0103046751743381	0.0535843022940465	0.0436172751788703
LAML	PHF14	cg24491907	-0.0232926365960359	139	-0.255227295533424	0.798984476539768	0.00054254691959499	0.89024761695147
LAML	PHF19	cg11054680	0.0445355276274828	139	0.488346798966691	0.626195413835203	0.00198341322105828	0.778839300102606
LAML	PHF19	cg11594303	-0.00337090693665117	139	-0.0369266451686708	0.970604853227212	1.1363013575563e-05	0.984437686819749
LAML	PHF19	cg13501527	-0.0213642904164352	139	-0.23408750444065	0.815315953023436	0.000456432904997787	0.9006018891832
LAML	PHF19	cg13793166	0.00781782696306964	139	0.0842031464804677	0.933040062068392	6.11184184244987e-05	0.964404211688835

LAML	PHF19	cg13851767	-0.263593801730902	139	-2.99339036043179	0.00335074279833091	0.0694816923109502	0.0179944556988371
LAML	PHF19	cg13852822	-0.26941281314021	139	-3.06458312119785	0.00269255167679468	0.0725832638841217	0.0151063295214601
LAML	PHF19	cg14218513	-0.033854243344637	139	-0.371067357871492	0.711241647448493	0.0011461097924379	0.835586189857948
LAML	PHF19	cg27207079	-0.197285894466093	139	-2.20448565902845	0.029397424420386	0.0389217241552865	0.0972257136025638
LAML	PHF20	cg01512265	-0.108244194925698	140	-1.19276402694687	0.235314914183227	0.0117168057351125	0.426516505917286
LAML	PHF20	cg02674305	0.0217181927388161	140	0.237967010172657	0.812312530549405	0.000471679895840364	0.898841348432692
LAML	PHF20	cg02957488	0.0365923228076476	140	0.401117450371301	0.689047007338884	0.00133899808845908	0.821210939867652
LAML	PHF20	cg04179482	0.0918518029108376	140	1.01045760753688	0.314309218459922	0.00843675369797136	0.513350664787808
LAML	PHF20	cg09692677	-0.209104914205146	140	-2.34241278992857	0.0208064929302654	0.0437248651447416	0.0750507864337677
LAML	PHF20	cg10372813	-0.110219678050857	140	-1.21479753608476	0.226828273782052	0.0121483774296345	0.416382273634764
LAML	PHF20	cg21765224	-0.236433003281046	140	-2.66556853374845	0.00874444745934261	0.0559005650404949	0.0384512426117092
LAML	PHF20	cg23538717	0.155618242147877	140	1.7257366115436	0.0869688156332871	0.0242170372891952	0.215528401241628
LAML	PHF20	cg23734815	-0.19467854999122	140	-2.17419533406412	0.0316532802473286	0.0378997378266839	0.102712742285838
LAML	PHF20	cg25561939	0.0943322738422704	140	1.03798690941548	0.30136317577725	0.00889857788825309	0.49973881219311
LAML	PHF20	cg27405321	-0.0560683973032168	140	-0.615166218761819	0.539609804694092	0.00314366517615137	0.714927621410702
LAML	PHF20L1	cg02898212	-0.0477755842908756	140	-0.523953609633918	0.60127719399968	0.00228250645433456	0.761023347835223
LAML	PHF20L1	cg05307234	-0.0621469979069379	140	-0.682104756351761	0.496487207408258	0.00386224934884494	0.68119445878515
LAML	PHF20L1	cg10591701	0.0186729551168469	140	0.204587645498945	0.838240906642916	0.000348679252795777	0.913422043274069
LAML	PHF20L1	cg17646969	-0.0829580540460763	140	-0.911903244684621	0.363647962124775	0.00688203873111171	0.562563476952984
LAML	PHF20L1	cg24511731	-0.0936636830136009	140	-1.0305647114415	0.304817649140798	0.00877288551567231	0.503334910228594
LAML	PHF20L1	cg26292018	0.0627933647270671	140	0.689227001880213	0.49201097083238	0.00394300665374647	0.677562426357482
LAML	PHF20L1	cg27342122	-0.00536375237851163	280	-0.083441605257355	0.933569387464606	2.87698395779892e-05	0.964643727133429
LAML	PHF21B	cg01775414	-0.058215351004525	278	-0.907156822347928	0.365226278725774	0.00338902709258005	0.564202972305349
LAML	PHF21B	cg01995480	-0.0886729230256445	139	-0.975204732342322	0.331420509214356	0.00786288727791188	0.531083838214958
LAML	PHF21B	cg05064352	-0.0358395165343591	278	-0.557890446033452	0.577434919229625	0.0012844709454166	0.743983373466759
LAML	PHF21B	cg10080155	-0.0268491023482026	139	-0.29422324820499	0.769095647851548	0.000720874296904258	0.87200715358552
LAML	PHF21B	cg11428482	-0.0328497891415638	139	-0.360045727107458	0.719445842430206	0.0010791086466452	0.84084113845999
LAML	PHF21B	cg14786713	-0.010213818145956	139	-0.111892608523031	0.911095506693807	0.00010432208111866	0.952780078345478
LAML	PHF21B	cg15679813	-0.0506044826565048	139	-0.555055485647202	0.579889893043954	0.00256081366493249	0.745837056120713
LAML	PHF21B	cg20495645	-0.0468383256262895	139	-0.513651891526575	0.60843988055725	0.00219382874747433	0.766234858538807
LAML	PHF21B	cg20525183	-0.0403259031695399	139	-0.442107755671364	0.659206991043928	0.00162617846643911	0.801686217113268
LAML	PHF21B	cg21715212	-0.0414630389175468	139	-0.454595769246302	0.650221358006456	0.001719183596278	0.795392720372352
LAML	PHF21B	cg23080354	-0.0409942085864867	139	-0.449446867574769	0.653920062051451	0.00168052513763238	0.798031123421015
LAML	PHF21B	cg25561581	-0.027355389328343	139	-0.299775460666194	0.764867072484575	0.000748317325305224	0.869544623432537
LAML	PHF21B	cg25976257	-0.0433841122846909	139	-0.475697023559633	0.635155073799512	0.00188218119873067	0.785090706756903
LAML	PHF23	cg00039960	0.158911578672411	139	1.76319435582498	0.0804131618605845	0.025252889836158	0.203754202129578
LAML	PHF23	cg01441172	0.27615653338149	139	3.14754278196946	0.0020772926985883	0.0762624309292822	0.0122675858342047
LAML	PHF23	cg04379155	0.104419241665126	139	1.15014288877044	0.252371932839728	0.0109033780299199	0.446255759593904
LAML	PHF23	cg11180288	0.0670057479673085	139	0.735664533122486	0.463370374887998	0.00448977026065846	0.652643074684281
LAML	PHF23	cg13351208	0.194971052250018	139	2.17759102320709	0.0313931215931502	0.0380137112154794	0.102121517305234
LAML	PHF23	cg22033559	0.0376743065780817	139	0.412994547700782	0.680347622555923	0.00141935337613929	0.815603577413827
LAML	PHF23	cg26213471	0.2263108638707	139	2.54514475729104	0.0121911660113627	0.0512166071059024	0.0497873677719539
LAML	PHF23	cg26784276	0.161352796335726	139	1.79099916262041	0.0758143500261042	0.0260347248853584	0.195388909896642
LAML	PHIP	cg01492710	0.0530318072974949	140	0.581752971473991	0.561824362129279	0.00281237258523864	0.732103256741794
LAML	PHIP	cg04480383	0.0666151402583996	140	0.731356830158192	0.465986973718159	0.00443757691164624	0.655248908853851
LAML	PHIP	cg05801338	-0.0477935518249339	140	-0.524151110170466	0.601140250955671	0.00228422359604264	0.760949896766168
LAML	PHIP	cg06848288	0.0176098431607181	280	0.273987355255027	0.784328056916475	0.00031010657614509	0.881008661359289
LAML	PHIP	cg08287994	0.121204867646523	140	1.33759419728635	0.183558372337567	0.0146906199412111	0.361791966049098
LAML	PHIP	cg08587415	0.0228124525850945	140	0.249962947279532	0.803043417733672	0.000520407992947186	0.892629032150506
LAML	PHIP	cg15564972	0.0943023089283038	140	1.0376542309792	0.301517445209608	0.00889292546920924	0.499949280282486
LAML	PHIP	cg19494004	0.0880352088818643	140	0.968136316521397	0.334923505602895	0.00775019800287348	0.534504241544202
LAML	PHIP	cg19950079	-0.0311441411558434	140	-0.341332552103837	0.733450195276571	0.000969957528335096	0.849577691419927
LAML	PHIP	cg21607066	0.0295311983988224	280	0.459598083720544	0.646217338052122	0.00087209167887061	0.792578611768502
LAML	PHIP	cg21875336	-0.169720960200738	140	-1.88656940737133	0.061634916303237	0.0288051860015997	0.1679272468355
LAML	PHIP	cg26363168	-0.106111250146772	140	-1.16899031677302	0.244724445761733	0.0112595974077108	0.437687507956601
LAML	PHRF1	cg06063517	-0.0945337403620178	139	-1.04022371819716	0.300327306255141	0.00893662806683339	0.498613315699756
LAML	PHRF1	cg07530960	0.0686873747306711	139	0.754213768074066	0.452198346692064	0.00471795544739163	0.642690700499898

LAML	PHRF1	cg08482978	0.118120769065411	139	1.3030706840745	0.195045463452995	0.0139525160846041	0.376622487685225
LAML	PHRF1	cg12469954	-0.040092380327032	139	-0.439543424677726	0.661058366192533	0.00160739896028739	0.802797023674767
LAML	PHRF1	cg12813709	0.0943340284469772	139	1.03800638959133	0.301354144092206	0.00889890892303511	0.499734487668594
LAML	PHRF1	cg15219216	-0.00360055721585134	139	-0.0394423838007978	0.968603234084431	1.29640122646191e-05	0.983470202724742
LAML	PHRF1	cg16143007	0.0315663878449832	139	0.345964862659988	0.729974931681886	0.000996436841579904	0.847355705837287
LAML	PHRF1	cg18793109	0.0904545046240719	139	0.99495819506899	0.321758656501941	0.00818201740678624	0.521242679127386
LAML	PHRF1	cg20152424	0.0683468613346161	139	0.750457208434876	0.454448361520789	0.00467129345429324	0.644719894154035
LAML	PHRF1	cg21006161	0.110561318577286	139	1.21860948689385	0.225382736698242	0.0122238051655482	0.414776320465155
LAML	PPARGC	cg04893087	0.0614485276528455	280	0.957724609721309	0.339157449905315	0.00377592155070252	0.538439491272777
LAML	PPARGC	cg05158538	-0.0385587344217611	280	-0.600279543436838	0.54888165850336	0.00148677600020791	0.721944349047662
LAML	PPARGC	cg11270806	0.0850336293278068	140	0.93488280764714	0.351726173982973	0.00723071811665885	0.55066559674859
LAML	PPARGC	cg12691631	-0.219949198539052	140	-2.46990750696762	0.0149207415181884	0.0483776499379713	0.0581331279444057
LAML	PPARGC	cg20723350	0.109670330776842	140	1.20866895184589	0.229166319706039	0.012027581452702	0.419171067579214
LAML	PPARGC	cg27461259	0.0911835141602035	140	1.00304392620005	0.317857991017775	0.00831443325460403	0.517158205493616
LAML	PPARGC	cg27514608	0.123540526239528	140	1.36376574939931	0.175194060155763	0.0152622616235394	0.350802737034648
LAML	PRDM1	cg00555933	-0.0174328965885624	140	-0.190996838821095	0.848850841336309	0.000303905883467509	0.919381593725348
LAML	PRDM1	cg01761420	-0.0837311686466312	140	-0.920461307051657	0.359178448959954	0.0070109086029306	0.558128066865448
LAML	PRDM1	cg05170275	-0.0328917843006293	140	-0.36050650762648	0.719102186051203	0.00108186947447912	0.840622806192427
LAML	PRDM1	cg08742502	-0.0912838033641713	140	-1.00415640009311	0.317323784351443	0.00833273275662868	0.516549204432646
LAML	PRDM1	cg14359052	-0.107739013463677	140	-1.18713180285593	0.23752034180356	0.0116076950221263	0.428994647805212
LAML	PRDM1	cg17143179	-0.033825661142448	140	-0.370753716942809	0.711474650911223	0.00114417535172372	0.835763820203664
LAML	PRDM1	cg17521665	-0.0612987796151392	140	-0.672759637189048	0.502393684381315	0.0037575403823054	0.686019453454565
LAML	PRDM1	cg17965230	0.065229482012957	280	1.01689829840094	0.310217379793314	0.00425488532367868	0.509039440689344
LAML	PRDM1	cg19464016	0.218636747238038	280	3.48551707211725	0.000583042349020227	0.0478020272428297	0.0042705203370379
LAML	PRDM1	cg22186515	0.354493775998588	140	4.15298644468667	6.17287118158003e-05	0.125665837221737	0.000638580240292336
LAML	PRDM1	cg22196848	-0.111695327543367	140	-1.23126565565845	0.220631162285799	0.0124758461950201	0.408836659493626
LAML	PRDM1	cg24040346	0.391721444195764	140	4.66380686544566	8.12702000972359e-06	0.153445689842815	0.000108968182460606
LAML	PRDM1	cg24793124	-0.014875612917844	140	-0.16297220759356	0.870814451594884	0.000221283859681528	0.931420833887722
LAML	PRDM1	cg24874254	-0.10310235011184	140	-1.13548091687108	0.258436671791879	0.0106300945985844	0.453056211586836
LAML	PRDM1	cg26351406	0.0157665935911669	140	0.17273585044399	0.863150070173988	0.000248585473469024	0.927272365275993
LAML	PRDM10	cg04181189	-0.0820369324059083	140	-0.901708967964186	0.36901775947002	0.00673005827857156	0.567743208215543
LAML	PRDM10	cg17627813	-0.0985212859392676	140	-1.08452287890758	0.280307120002179	0.00970644378312693	0.477536179341483
LAML	PRDM12	cg09191327	0.11136474498457	280	1.74327271341393	0.0825560186025956	0.0124021064254783	0.207588173481489
LAML	PRDM12	cg12539975	0.0975892164573405	280	1.52541305920994	0.128461914552383	0.00952365516875766	0.283743601665111
LAML	PRDM12	cg13795948	0.0189759119940708	140	0.207908136663251	0.835653140346362	0.000360085236006719	0.911943444717124
LAML	PRDM12	cg13928649	-0.142935673494162	140	-1.58202612801626	0.116275759485246	0.0204306067572297	0.264930902381485
LAML	PRDM12	cg23342516	0.0662595099955358	140	0.727435159525878	0.468376295668969	0.00439032266484851	0.65736104828288
LAML	PRDM13	cg00126261	0.089966788923607	139	0.989549649795756	0.324385399036848	0.00809402310922485	0.523787238549205
LAML	PRDM13	cg00579292	0.0794430574224085	139	0.873014335939081	0.384398854501727	0.0063111993726201	0.58255911492066
LAML	PRDM13	cg01422797	-0.13337972678698	139	-1.47427433205472	0.143026381491759	0.0177901515177693	0.305776473611353
LAML	PRDM13	cg01815538	0.0287043167654862	139	0.31456965542481	0.753634700645857	0.00082393780097337	0.862294390464088
LAML	PRDM13	cg02400433	-0.167096152576979	139	-1.85654859150678	0.0658279710223299	0.027921124206029	0.176161719219509
LAML	PRDM13	cg03120185	-0.0355332670992435	139	-0.38949340603989	0.697601557018366	0.00126261307074618	0.826619379861799
LAML	PRDM13	cg04910970	-0.12298450182116	139	-1.35753330742581	0.177159319871001	0.0151251876881988	0.353373814262317
LAML	PRDM13	cg11809464	-0.190472615285355	139	-2.12543432877718	0.0356006168791146	0.036279817173643	0.112276093140384
LAML	PRDM13	cg13738144	-0.00828177203535754	139	-0.090725378575671	0.927862070315769	6.85877480456302e-05	0.961966281493482
LAML	PRDM13	cg14344102	0.0371228881425028	139	0.406941366125247	0.684775986469243	0.00137810882404077	0.818616413236854
LAML	PRDM13	cg17879189	-0.0380965953585394	139	-0.417630466993123	0.67696361516746	0.00145135057791229	0.81342704969398
LAML	PRDM13	cg17978124	-0.0855358546547105	139	-0.94044498479337	0.348878619331888	0.00731638243151177	0.547975192560013
LAML	PRDM13	cg25273233	-0.172904782514989	139	-1.92304078717256	0.056844367294179	0.0298960638165556	0.158297661933986
LAML	PRDM13	cg25924096	-0.0714459069117683	139	-0.784655904259701	0.43420162161168	0.00510451761444507	0.627651405509467
LAML	PRDM13	cg26507427	-0.20026103465518	139	-2.23910828412551	0.0269916116574279	0.0401044820011632	0.0912315535835048
LAML	PRDM14	cg00384539	0.217240618088863	139	2.43797525909474	0.0162355034535753	0.0471934861476314	0.062001117061874
LAML	PRDM14	cg01295203	0.159455711314362	278	2.51269849330223	0.0126324939250822	0.025426123870769	0.0512026380663705
LAML	PRDM14	cg04838988	0.192988604985125	139	2.14559212395985	0.0339370198618973	0.0372446016541048	0.108245735175889
LAML	PRDM14	cg09050331	0.0686816823562983	139	0.754150967361994	0.452235909099542	0.00471717349129146	0.642704216656563
LAML	PRDM14	cg10457247	0.0944458078611452	278	1.47582891521897	0.141289762633276	0.00892001062254436	0.303305714680125

LAML	PRDM14	cg11229513	0.168234875273311	139	1.86956778759958	0.0639811924101479	0.0283029732582264	0.172537190874759
LAML	PRDM14	cg13267264	0.141114733231925	139	1.56145958985035	0.121048793827984	0.0199133679351174	0.272297656856091
LAML	PRDM14	cg18035229	0.18636054083081	139	2.07787892028744	0.0398528739546199	0.0347302511787519	0.122165437639913
LAML	PRDM14	cg21255438	0.0821297708437079	139	0.902736327613624	0.368474349633675	0.00674529925883997	0.567333522451848
LAML	PRDM14	cg27029821	0.055050919867915	139	0.603968501523437	0.547004678680336	0.0030306037783036	0.720503919223481
LAML	PRDM4	cg00090609	0.122401765030552	140	1.35100284118853	0.179236346312859	0.0149821920825946	0.355992610274433
LAML	PRDM4	cg03909902	-0.0666185716405798	140	-0.731394670680309	0.465963952389202	0.00443803408743107	0.65522830821098
LAML	PRDM4	cg12900929	-0.0240842981806843	140	-0.263906819033695	0.792304394303097	0.000580053418856114	0.886129764803185
LAML	PRDM4	cg18440127	0.0599384866696367	140	0.657775857446825	0.511941995077092	0.00359262218424622	0.693840827998921
LAML	PRDM4	cg25995916	0.0923509892380461	277	1.43383913516036	0.152925162931838	0.00852870521324571	0.319991934077126
LAML	PRDM4	cg27140793	0.140305270586642	140	1.55232235125577	0.123218545409996	0.0196855689543909	0.275743276518863
LAML	PRDM5	cg05713693	-0.0924397514430838	140	-1.01698117052317	0.311208429382041	0.00854510764685912	0.510127658723245
LAML	PRDM5	cg06329345	-0.163635105045769	140	-1.8170245593839	0.0717088560651794	0.0267764476033397	0.187629496997286
LAML	PRDM5	cg07070341	-0.133449333395525	140	-1.47505765496572	0.142815961523862	0.0178087245837099	0.305435736379032
LAML	PRDM5	cg10416963	-0.134489493183471	140	-1.4867658215125	0.139699453039057	0.018087423776747	0.300893949537237
LAML	PRDM5	cg11171429	-0.12519140872006	140	-1.38227809533519	0.169453740541212	0.0156728888173132	0.342945557680041
LAML	PRDM5	cg13155001	-0.175110902751447	140	-1.94834831561061	0.0537078218538015	0.0306638282624268	0.15202657254647
LAML	PRDM5	cg18181323	-0.168066201320106	140	-1.86763882717123	0.0642520516996175	0.0282462480261705	0.173093607712714
LAML	PRDM5	cg19294653	-0.158192129165943	140	-1.75500637677205	0.0818103526753068	0.0250247497300544	0.206239819048667
LAML	PRDM5	cg22135105	-0.220282317458563	140	-2.47383887007658	0.0147656221100204	0.0485242993849151	0.0576731840350918
LAML	PRDM8	cg01304890	-0.0309245950766836	139	-0.338924066593642	0.735259288408156	0.000956330580656845	0.850716299042538
LAML	PRDM8	cg02895669	0.0855058435587336	139	0.940112589770434	0.349048371156993	0.00731124928269062	0.548120084493078
LAML	PRDM8	cg04343891	0.000330070217180599	139	0.00361573826716961	0.997121068555478	1.08946348269648e-07	0.998528025129523
LAML	PRDM8	cg05007549	0.132101234680911	139	1.45989066812437	0.146933153848845	0.017450736204221	0.311432792156419
LAML	PRDM8	cg07462804	0.246714114511941	139	2.78882501983626	0.00615375071219693	0.060867854299411	0.0292726478479056
LAML	PRDM8	cg08074201	-0.00952606201447087	139	-0.104357516103944	0.917059857040427	9.07458575035449e-05	0.956234060056067
LAML	PRDM8	cg10695325	-0.0143856010950712	139	-0.157602672888071	0.875034783270604	0.000206945518866514	0.933880369017354
LAML	PRDM8	cg11571772	0.233791245589696	139	2.63405276688476	0.00954900243460316	0.0546583465143817	0.0410848457163607
LAML	PRDM8	cg12572049	-0.034079479245735	139	-0.373538969753731	0.709406447194871	0.00116141090566048	0.834430511250383
LAML	PRDM8	cg14489346	0.244702194662765	139	2.76462765752596	0.00659908222568689	0.0598791640727736	0.0309109466922619
LAML	PRDM8	cg15656813	-1.91610372099249e-05	139	-0.0002098986461399	0.999832873650947	3.67145346960127e-10	0.99990349231291
LAML	PRDM8	cg16117799	0.0535207996921427	139	0.587132502280905	0.558217780310837	0.00286447599968646	0.729319592408896
LAML	PRDM8	cg18624348	0.168856851633052	139	1.8766821901497	0.0629904485101686	0.0285126363434267	0.170598765889154
LAML	PRDM8	cg19595012	-0.0179063365818241	139	-0.196185544045816	0.844796791015322	0.00032063688978157	0.917050975131809
LAML	PRDM8	cg20142271	-0.0225451756224204	139	-0.247032814536192	0.805304961901089	0.00050828494384578	0.894241748949188
LAML	PRDM8	cg26162932	-0.0594596631792032	139	-0.652502442376044	0.515325110164933	0.00353545154538429	0.696682509083134
LAML	PRKAA1	cg00301775	0.0340151252956803	140	0.372832779964394	0.709930627608989	0.00115702874888083	0.834808099676957
LAML	PRKAA1	cg01883943	-0.0979592152378586	140	-1.07827547932168	0.283073557918637	0.00959600785001711	0.480422385935733
LAML	PRKAA1	cg03125217	0.0806059584114481	140	0.885876635981053	0.377455806474252	0.00649732053142811	0.576031799451858
LAML	PRKAA1	cg05874655	0.049185482409534	140	0.539452884836708	0.590573949162131	0.00241921167985858	0.753449822082405
LAML	PRKAA1	cg06971720	-0.0212837230985754	140	-0.233204331374863	0.816000070790568	0.000452996868936831	0.900948204020515
LAML	PRKAA1	cg10786880	0.128958272441461	280	2.02301202464262	0.0441715406280234	0.0166302360310861	0.131774983178594
LAML	PRKAA1	cg24728477	0.000149322543400987	140	0.00163574652553159	0.998697579860978	2.22972219677395e-08	0.999288464368279
LAML	PRKCD	cg02121118	-0.119993632131507	140	-1.32403095351073	0.188009285943277	0.0143984717521114	0.367487296248023
LAML	PRKCD	cg02559423	-0.0656500715859254	140	-0.720715296184481	0.472486369701395	0.00430993189923713	0.660537892930139
LAML	PRKCD	cg02630105	-0.172086173435285	280	-2.71757364048273	0.00705158488210113	0.0296136510875991	0.0325832142027902
LAML	PRKCD	cg10531918	-0.365186245151484	140	-4.29720347506177	3.5362216663158e-05	0.13336099364784	0.00039378917082912
LAML	PRKCD	cg13469346	0.00340385374635036	140	0.0372875655980921	0.970317679128461	1.15862203265434e-05	0.984298837253315
LAML	PRKCD	cg13889007	-0.0583334710419065	140	-0.640101153122688	0.523327132601904	0.00340279384379694	0.702735882977571
LAML	PRKCD	cg13908523	-0.124750057934493	280	-1.95593483511773	0.0516233733234443	0.0155625769546594	0.147700945359471
LAML	PRKCD	cg14727059	0.019793546608346	140	0.21686992670682	0.828677990030015	0.000391784487336764	0.907891259506928
LAML	PRKCD	cg21903826	-0.174322340498549	140	-1.93929886259671	0.0548121599320118	0.030388278396892	0.154249747530338
LAML	PRMT1	cg07702240	0.0242030406220363	140	0.265208715489242	0.791303723540568	0.000585787175351938	0.88544340533514
LAML	PRMT1	cg08377944	-0.00273031605661368	140	-0.0299092253477661	0.976189135114534	7.45462576900247e-06	0.987422964433455
LAML	PRMT1	cg11787855	0.0862483650439372	140	0.948337322323854	0.344863661971018	0.00743878047275224	0.544096773735974
LAML	PRMT1	cg14258555	0.0866846523000754	140	0.953170713397322	0.342419631587449	0.00751422894438497	0.541649174598656
LAML	PRMT1	cg14576628	-0.0256297204589713	280	-0.398835896695583	0.690365823634597	0.00065688257080501	0.822077435846163

LAML	PRMT1	cg18880319	0.059575573133799	140	0.653778949047514	0.514505101184197	0.00354924891422063	0.696033559543056
LAML	PRMT1	cg22292364	0.0490339934827873	140	0.537787385224442	0.59171981701356	0.00240433251687003	0.754253114365217
LAML	PRMT1	cg24228123	0.00555241333037152	140	0.0608245781893591	0.951600101866086	3.08292937912873e-05	0.974365848055973
LAML	PRMT1	cg25595446	0.0103472740036158	280	0.160974425205504	0.872247843495156	0.000107066079305904	0.932275176710341
LAML	PRMT1	cg26846726	0.0114973822698175	140	0.12595583774236	0.899977670419975	0.000132189799058314	0.947284672944452
LAML	PRMT2	cg04493422	0.0155950074956455	140	0.170855525455639	0.864625120042683	0.000243204258789239	0.928131895359529
LAML	PRMT2	cg06725035	-0.0324570582339124	280	-0.505179494911394	0.613892527860277	0.00105346062919958	0.770326397063721
LAML	PRMT2	cg09031657	-0.0268185333514539	140	-0.293888019614625	0.769351182764786	0.000719233731123046	0.872144348444499
LAML	PRMT2	cg10187059	0.0389824579305281	140	0.427356266700248	0.669885716927233	0.00151963202630539	0.808719711085479
LAML	PRMT2	cg10657630	0.0380457173244155	140	0.417071912128676	0.677370986478818	0.00144747660672933	0.813564059760622
LAML	PRMT2	cg12162201	-0.0648860626422871	140	-0.712292231889829	0.477666456435547	0.00421020112521881	0.665381924041523
LAML	PRMT2	cg13271076	0.0174936379385017	280	0.272178790572881	0.785716625623535	0.000306027368323387	0.881790423743337
LAML	PRMT2	cg17243659	0.0535832607770028	140	0.587819683130162	0.557757898071029	0.00287116583549629	0.728953328447981
LAML	PRMT2	cg23283320	-0.0425677283876995	140	-0.46672915221977	0.641539926704376	0.00181201150008896	0.789445531533879
LAML	PRMT3	cg01769160	0.173208117727076	139	1.92651872082289	0.0564043790789778	0.0300010520465566	0.157442492503409
LAML	PRMT3	cg04101203	0.0289450627066881	139	0.317210185289644	0.751635361724213	0.000837816655094108	0.860920875722261
LAML	PRMT3	cg06578097	-0.0727720810275249	139	-0.799297466293179	0.425697228214379	0.00529577577707664	0.620360230255126
LAML	PRMT3	cg13432154	-0.0483432951070472	139	-0.530194178656421	0.596957016720123	0.00233707418180706	0.757963638360757
LAML	PRMT3	cg13982511	-0.0973505997017134	139	-1.07151190989246	0.286089615351142	0.00947713926228324	0.483354447532344
LAML	PRMT3	cg19653624	-0.144227261055734	139	-1.59662384135875	0.112979724819178	0.0208015028316387	0.259972335322503
LAML	PRMT3	cg23019633	-0.0819143352740292	139	-0.900352331766779	0.36973610908649	0.00670995832338606	0.568421806226623
LAML	PRMT3	cg23071995	0.0210024238819931	139	0.230120785394493	0.81838973737375	0.000441101808918913	0.902329499224449
LAML	PRMT6	cg00944433	0.0387186089945451	139	0.424459390208693	0.671990837254233	0.00149913068247247	0.810079419728756
LAML	PRMT6	cg02990361	-0.0181341025062168	139	-0.198681810568353	0.842847877477206	0.000328845673705977	0.916029949852076
LAML	PRMT6	cg02993280	0.0481030937050735	139	0.527553698909567	0.598783204435135	0.00231390762399908	0.759197679381267
LAML	PRMT6	cg09367891	0.0183386344090093	139	0.2009234633468291	0.841098578551867	0.000336305511987302	0.914895661570547
LAML	PRMT6	cg14671364	-0.00274618405252408	139	-0.0300830524888557	0.976050792535078	7.54152685033758e-06	0.987386097877119
LAML	PRMT6	cg14828511	-0.0766036121616786	139	-0.841623531813036	0.401672809069525	0.00586811339621688	0.598248861019196
LAML	PRMT6	cg22528358	0.0900260872963597	139	0.990207203369589	0.324065295275283	0.00810469639389177	0.523448685283945
LAML	PRMT7	cg00894222	-0.148223165860222	139	-1.64183928694512	0.103241536428008	0.0219701068976268	0.2436291695679
LAML	PRMT7	cg02477175	0.137969186118602	139	1.52597029321456	0.129648651710618	0.0190354963182294	0.285560413520584
LAML	PRMT7	cg06089844	-0.0345219895627908	139	-0.378394994968236	0.705805769313563	0.00119176776337344	0.832223434981621
LAML	PRMT7	cg06092312	0.0304991544723637	139	0.334256996622226	0.738769106771673	0.000930198423529105	0.852923223305634
LAML	PRMT7	cg06745885	0.0273428374666215	139	0.299637807497515	0.7649718242308	0.00074763076072608	0.869562051145007
LAML	PRMT7	cg09175928	0.0580020702855665	139	0.636452336750549	0.525693792478901	0.0033642401574118	0.704543697087561
LAML	PRMT7	cg09779635	0.142323407088214	139	1.57510909049472	0.117864055160069	0.0202559522051975	0.267477138480817
LAML	PRMT7	cg10233539	0.145274106881194	139	1.60846155813399	0.110361979631815	0.0211045661301286	0.255612118717323
LAML	PRMT7	cg10446007	0.0133270390635266	139	0.146003364799323	0.884163711416744	0.000177609970200764	0.938576384558077
LAML	PRMT7	cg11893236	-0.0271002134098441	278	-0.421735277007575	0.673592634904052	0.000734421566859092	0.811193310005353
LAML	PRMT7	cg19328639	0.124283357177626	139	1.37209413011149	0.172593663505444	0.0154463528713414	0.347249559270225
LAML	PRMT7	cg21918026	0.00429789577296014	278	0.0668601849300951	0.946748214142705	1.84719080752286e-05	0.971563715369525
LAML	PRMT7	cg26492318	-0.0530765131899472	139	-0.582244774978636	0.561494170736261	0.00281711625240264	0.731918188978832
LAML	PRMT7	cg26561196	0.0923980399872989	139	1.01651832720622	0.31142775307488	0.00853739779349449	0.510313366044078
LAML	PRMT7	cg26796563	0.174852025496909	139	1.94537704341305	0.0540683247612703	0.0305732308203718	0.152783351066948
LAML	PRMT8	cg01693063	-0.00696684761631066	139	-0.0763198440723914	0.939291735420486	4.85369657088935e-05	0.967562151789586
LAML	PRMT8	cg06029846	-0.0377674667217362	139	-0.414017247915029	0.679600535045084	0.00142638154257745	0.815135047153013
LAML	PRMT8	cg07912789	0.0539601829297143	139	0.591966631223374	0.554986603535773	0.00291170134180823	0.726559284834537
LAML	PRMT8	cg10350722	-0.112702264669346	139	-1.24250771337498	0.216471862886598	0.0127018004615994	0.403731516777083
LAML	PRMT8	cg11596580	0.0245332733441347	139	0.268829458316375	0.788522563748821	0.00060188150097803	0.883644155465996
LAML	PRMT8	cg19656577	0.088241299737377	139	0.970420493419392	0.333788870902092	0.00778652697934161	0.533395740170029
LAML	PRMT8	cg21667836	-0.154740286131007	278	-2.42645237927428	0.0159849211234271	0.0239445561519058	0.0612486309351273
LAML	PRMT8	cg23739862	0.0386992176680288	278	0.602469850603936	0.547425532014723	0.00149762944811747	0.720769730989297
LAML	PRMT8	cg24100636	-0.10245712314446	139	-1.12829931407329	0.261444283993309	0.0104974620830391	0.456799210204584
LAML	PRMT8	cg27316886	0.107250117666595	139	1.18168203213736	0.239668361756331	0.0115025877394985	0.431591679038705
LAML	PWWP2E	cg00259755	0.247232627285933	280	3.96925811878794	9.5076278881259e-05	0.061123971994705	0.000923276000410518
LAML	PWWP2E	cg05010219	0.194011317489037	140	2.16645161702149	0.0322535722418839	0.0376403913138318	0.104187302371925
LAML	PWWP2E	cg15012692	0.197019671255122	140	2.20139064361311	0.0296213166765217	0.0388167508614762	0.0977459473821136

LAML	PWWP2E	cg15278699	-0.0873857728331129	140	-0.960939208158696	0.338515007479506	0.00763627329364042	0.537887548599045
LAML	PWWP2E	cg17803807	-0.106928783475152	140	-1.17810056007034	0.241087524661402	0.0114337647354759	0.433304752183464
LAML	PWWP2E	cg19919881	0.0866145392698157	140	0.952393931781156	0.342811657332687	0.00750207841292245	0.542062620262652
LAML	PWWP2E	cg22633292	0.0616840776986634	140	0.67700441905747	0.49970616284958	0.00380492544153475	0.68380195660018
LAML	PWWP2E	cg22664157	0.220049303316914	140	2.47108881608075	0.0148739786355809	0.0484216958902594	0.0579945015024247
LAML	PWWP2E	cg24520806	0.059073123033899	140	0.648245699111691	0.518064536670564	0.00348963386497817	0.698927819085788
LAML	PYGO1	cg06364757	-0.0648826322879062	140	-0.712254415683732	0.477689783674264	0.00420975597260765	0.665390589467237
LAML	PYGO1	cg09275667	-0.0589474878004498	140	-0.646862213984618	0.518956517465371	0.00347480631798417	0.699718789149953
LAML	PYGO1	cg11480800	-0.124520549722681	140	-1.37475394919887	0.171769367488884	0.0155053673032386	0.346029628775674
LAML	PYGO1	cg12686317	0.0268006310711904	140	0.293691698338067	0.769500844490641	0.000718273825814057	0.872249734226502
LAML	PYGO1	cg13878116	-0.0399123879979528	140	-0.437566965323802	0.662486749373808	0.00159299871569913	0.803694401544754
LAML	PYGO1	cg17841803	-0.0274882983702288	140	-0.301233050034993	0.763758139068078	0.000755606547290725	0.86875366520444
LAML	PYGO1	cg19850348	-0.0103446502398946	280	-0.160933602466616	0.87227996124776	0.000107011788585751	0.932296695866077
LAML	PYGO1	cg22510134	0.0260128106796398	140	0.285052522908172	0.776095287511625	0.00067666319454785	0.876086833255292
LAML	PYGO1	cg23030278	-0.0765718717043945	140	-0.841272750698704	0.40186846724014	0.00586325153631425	0.598425702317665
LAML	PYGO1	cg23412777	-0.0648903999289156	280	-1.01158974970803	0.312744594669193	0.00421076400293461	0.511739961670386
LAML	PYGO1	cg25902187	-0.0599742483049145	140	-0.658169728434846	0.511689782178865	0.00359691045973954	0.693757211702892
LAML	PYGO2	cg01277844	0.0269494446214568	280	0.419387293307579	0.675305150612146	0.000726272565404965	0.8112237957133972
LAML	PYGO2	cg02341811	-0.00531805050094013	140	-0.0582571482366183	0.953640700351974	2.82816611305495e-05	0.975484203481585
LAML	PYGO2	cg04602755	0.0647078435835184	140	0.710327579588744	0.478879203083216	0.00418710502122908	0.666295763425664
LAML	PYGO2	cg10892866	-0.0846354044265544	280	-1.32135895756558	0.187629608403809	0.00716315168244642	0.366966456058074
LAML	PYGO2	cg14024356	0.206068429565444	140	2.30687771558257	0.0227762776981443	0.0424641976635682	0.0803158775671242
LAML	PYGO2	cg18188585	0.107100140878498	140	1.18001039977204	0.240330004337141	0.011470440176194	0.432322812685648
LAML	PYGO2	cg24683561	0.0726349574029596	140	0.797783363247867	0.426572088870982	0.00527583703692976	0.621174357326916
LAML	PYGO2	cg27105205	0.199692800720819	140	2.23249062037657	0.0274376836979732	0.0398772146597248	0.0923540656628647
LAML	RBBP4	cg05797186	-0.0266174687617894	140	-0.291683106828632	0.77103255398504	0.000708489643284833	0.873125535117432
LAML	RBBP4	cg06526778	-0.108642884877454	140	-1.19720964636509	0.233584521870654	0.0118032764344958	0.424470194960127
LAML	RBBP4	cg09036220	0.12655086501819	140	1.39753125319703	0.164832279804368	0.0160151214368522	0.336622538920563
LAML	RBBP4	cg11229946	0.141557042470754	140	1.56645373853532	0.119875726773293	0.0200383962730668	0.27055855543117
LAML	RBBP4	cg13641837	-0.0346210426432067	140	-0.379482015311167	0.705000667558963	0.00119861659370274	0.831604843636347
LAML	RBBP4	cg16148416	0.0798352800262575	140	0.877352121816433	0.382048532982679	0.00637367193687094	0.580501243532454
LAML	RBBP4	cg16396527	0.138793471138061	140	1.53526560096415	0.127351052563158	0.0192636276305518	0.282150422438935
LAML	RBBP4	cg18758482	-0.00972541163206419	280	-0.1512990547032	0.879865861353922	9.45836314130895e-05	0.936262581634937
LAML	RBBP4	cg20740619	0.0390938665011206	140	0.428579481609917	0.668997610019882	0.00152833039800744	0.808046918172919
LAML	RBBP4	cg22358606	-0.154272516617228	140	-1.71044765352154	0.0897672627895411	0.0238000093834128	0.220434167975049
LAML	RBBP4	cg22857567	0.0315484614120918	140	0.345768194715863	0.73012236291654	0.000995305417470246	0.847406852473321
LAML	RBBP4	cg23016766	0.0521927643300144	140	0.572523420157483	0.568038543141111	0.00272408464840842	0.736659449966152
LAML	RBBP4	cg26131911	0.0216425116236721	279	0.336060845696212	0.737117385513988	0.000468398309380783	0.85183994962157
LAML	RBBP5	cg00960017	0.0340195761920434	140	0.3728881621844929	0.709894369481841	0.00115733156428625	0.834791365947193
LAML	RBBP5	cg02189925	0.0017318248221416	140	0.0189712188641109	0.984895572853923	2.99921721458577e-06	0.992066002885009
LAML	RBBP5	cg03143531	0.0639621075582332	140	0.702107468566354	0.483971755014944	0.00409115120329099	0.670760445665225
LAML	RBBP5	cg05290904	-0.138165982897509	280	-2.17017220671788	0.0309669545118636	0.0190898388300349	0.101029283258374
LAML	RBBP5	cg07601985	-0.0832527755656903	140	-0.915165494935771	0.361940088659279	0.00693102463939121	0.560824747184797
LAML	RBBP5	cg07972983	0.0844519319991745	140	0.928441369897009	0.355042435965424	0.0071321288183932	0.553966205661924
LAML	RBBP5	cg14717946	-0.0943355650146588	280	-1.47409076143238	0.141756789450277	0.00889919882663492	0.303947623573531
LAML	RBBP5	cg18131828	-0.116165498650544	140	-1.28120319099462	0.202592663821742	0.0134944230767294	0.386267675343087
LAML	RBBP5	cg21214746	-0.0177810807987199	140	-0.194812780110215	0.845868961729107	0.000316166834370605	0.917683296113415
LAML	RBBP5	cg23227967	0.0122815880242569	140	0.134548203891019	0.893194507077944	0.00015083740439757	0.943335824320471
LAML	RBBP5	cg24103461	-0.049826360011969	140	-0.546499235892057	0.585737522517891	0.00248266615204234	0.750140185570099
LAML	RBBP5	cg26795850	-0.08833144744564	140	-0.971419671408144	0.333293332634142	0.00780244460784186	0.53294881733097
LAML	RBBP7	cg01947226	-0.0653572663310935	139	-0.717487020097573	0.474468011465517	0.00427157226227349	0.662373521470586
LAML	RBBP7	cg03048084	-0.041080069567471	139	-0.450389808429202	0.653242054685739	0.00168757211566825	0.797500273095985
LAML	RBBP7	cg03171708	-0.0903681172967404	139	-0.994000146419777	0.322222919949862	0.00816639662375743	0.521661107477275
LAML	RBBP7	cg03811055	0.00681736063482606	139	0.0746821795466544	0.940591941141028	4.64764060252761e-05	0.968318554824381
LAML	RBBP7	cg07096248	-0.0512014155728175	139	-0.561620056168654	0.575422319019175	0.00262158495666035	0.742318265573677
LAML	RBBP7	cg08363715	-0.0337298820528868	139	-0.369702711398931	0.712255640481762	0.00113770494330165	0.836289774445155
LAML	RBBP7	cg14719055	0.0147309520691927	278	0.229184702230215	0.818918934193823	0.000217000948864851	0.902620849627008

LAML	RBBP7	cg15289846	-0.0334106527090671	139	-0.366199809309367	0.714860808007423	0.00111627171444589	0.837841624521711
LAML	RBBP7	cg15464143	-0.0887806991866832	139	-0.97639944115559	0.330830808350747	0.00788201254807633	0.530565100701699
LAML	RBBP7	cg16978043	-0.0321931457394119	139	-0.352841131802681	0.724826556251805	0.00103639863259902	0.844093846247911
LAML	RBBP7	cg17878446	-0.094784503257124	139	-1.04300802671469	0.299041249895648	0.00898410205769975	0.497340837061357
LAML	RBBP7	cg17880859	-0.0741796987232898	276	-1.15715337974086	0.248350592167459	0.00550262770267805	0.441650944090512
LAML	RBBP7	cg21122900	-0.0660773262469232	139	-0.725426257754202	0.469602896971105	0.00436621304394233	0.65840550349584
LAML	RING1	cg01241018	0.161055637664084	140	1.78761281316855	0.0763625518175859	0.0259389184233847	0.196433713249695
LAML	RING1	cg01878788	0.00287861894712658	140	0.0315338212880007	0.974896208265767	8.28644704275614e-06	0.986832077714679
LAML	RING1	cg02475416	-0.0597234157915011	140	-0.655407166437396	0.513460155998408	0.00356688639380452	0.695105957491365
LAML	RING1	cg03037740	0.0509741472766371	140	0.55912067817101	0.577121349817227	0.00259836369058029	0.743735005917543
LAML	RING1	cg06316695	0.0869637757853104	140	0.956263261527385	0.340861765393903	0.00756269829883774	0.540160114421243
LAML	RING1	cg06671577	0.202978294045863	140	2.27078622471212	0.0249430171585079	0.0412001878537689	0.0860439049819932
LAML	RING1	cg07946923	-0.00717962751708661	140	-0.0786509060491302	0.937441297867133	5.15470512841072e-05	0.966551912185071
LAML	RING1	cg08892712	0.174255178240396	140	1.93852829407772	0.0549070747809794	0.0303648671435921	0.154465735200937
LAML	RING1	cg09478665	0.0599094018126506	140	0.657455524938634	0.512147166472009	0.00358913642554963	0.694026454413633
LAML	RING1	cg09724776	0.0368524472947793	140	0.40397274512643	0.686951786862582	0.00135810287161449	0.81983166843887
LAML	RING1	cg09832551	0.0234131436534586	140	0.256548464826573	0.797966680733695	0.000548175295737488	0.889585472175973
LAML	RING1	cg09869033	0.167166676977265	140	1.85735468546284	0.0657123482150731	0.0279446978916211	0.175955199705483
LAML	RING1	cg10265934	0.0576764243844222	140	0.632867088622904	0.528024607467176	0.00332656992977197	0.706496961117634
LAML	RING1	cg12065531	0.0953346395199327	140	1.04911708556124	0.29623256722079	0.00908869349239551	0.494182207928183
LAML	RING1	cg12115664	-0.0621717685990529	140	-0.682377685973251	0.496315270549916	0.00386532881073418	0.68107867625966
LAML	RING1	cg12256228	0.118508882467406	280	1.85664937992649	0.0645762800499768	0.0140443552236736	0.173696394793164
LAML	RING1	cg14046664	0.0198886048723806	140	0.217911853017241	0.827867912325567	0.000395556603769679	0.907457472723879
LAML	RING1	cg14363494	-0.0442364039510486	280	-0.688831249605445	0.491589322205144	0.00195685943452035	0.677165979085098
LAML	RING1	cg18189601	-0.0467997901215219	280	-0.728832466329862	0.466808881201255	0.0021902203554185	0.656025184337206
LAML	RING1	cg20505183	0.217772924291984	140	2.44424607729704	0.0159694573556348	0.0474250465546821	0.0611954073949192
LAML	RING1	cg24536938	0.106167516660202	140	1.16961724978797	0.244472923893221	0.0112715415937943	0.437318095181522
LAML	RING1	cg24550302	-0.129169494792941	140	-1.42693502644846	0.156195432717299	0.0166847583850636	0.324565080741748
LAML	RNF17	cg00202166	-0.963113148486539	139	-39.2066264858048	2.92755494292893e-70	0.927586936787655	3.34920895926784e-67
LAML	RNF17	cg01405147	-0.0750672674504776	139	-0.8246474800737	0.411207951087228	0.00563509464248153	0.607046157217295
LAML	RNF17	cg07131398	-0.320738904213423	139	-3.70950027888942	0.000315960219163457	0.102873444676027	0.00255268556336088
LAML	RNF17	cg12020676	-0.391168628320476	139	-4.65603505196746	8.39090085207851e-06	0.153012895782122	0.000112081342872012
LAML	RNF17	cg14855529	-0.329989616312634	139	-3.82935831558635	0.000205737812868254	0.108893146874159	0.00177677258151342
LAML	RNF17	cg15523998	-0.104762989456787	139	-1.15397110208273	0.250805110843203	0.0109752839599228	0.444424691197124
LAML	RNF17	cg17806989	-0.81538838849536	276	-21.9107842392873	2.23863404102916e-59	0.664858224093061	1.872605339654e-56
LAML	RNF17	cg20477497	-0.724141625099581	139	-11.5022970756977	4.30522523754418e-21	0.524381093201862	6.23688439719761e-19
LAML	RNF17	cg21831927	-0.121596213936314	139	-1.34197773062263	0.182136903786649	0.014785639243646	0.359760271503835
LAML	RNF17	cg23678722	-0.073206627208149	139	-0.804096368070686	0.422931400847035	0.00535921546671915	0.617961860889792
LAML	RNF17	cg24753530	-0.156313374517477	139	-1.73363794922247	0.0855507637504715	0.0244338710530409	0.213018471824222
LAML	RNF20	cg04845236	-0.151019013295094	139	-1.673524291272	0.096828958517438	0.0228067423766237	0.232692203104707
LAML	RNF20	cg14625770	-0.195939655041355	139	-2.18883995120456	0.0305445152620089	0.0383923484177254	0.100032837429179
LAML	RNF20	cg21219529	-0.0104026139198782	139	-0.113961092299781	0.909459084950689	0.000108214376366043	0.951932242437118
LAML	RNF217	cg00991794	-0.404149611080983	140	-4.84013508458995	3.90199053756673e-06	0.16333690813691	5.70800022338222e-05
LAML	RNF217	cg02312409	-0.493818583393316	140	-6.22094017584316	7.47650923566344e-09	0.243856793304582	2.09898072709925e-07
LAML	RNF217	cg03113502	-0.248677933941741	140	-2.81248090750471	0.00574504382688241	0.0618407148295328	0.0277028413480748
LAML	RNF217	cg06993703	-0.339823851458757	140	-3.95813601097037	0.000128432323402506	0.115480250020263	0.00119385446796388
LAML	RNF217	cg07439975	-0.297943318004186	140	-3.41908833147255	0.000859005608933049	0.0887702207433437	0.00591637736532427
LAML	RNF217	cg10621825	-0.372489779377245	140	-4.39683352413456	2.38935645870043e-05	0.138748635740509	0.000279607300441737
LAML	RNF217	cg16203203	-0.518697746480402	140	-6.64600038935629	9.34744231806998e-10	0.269047352203847	3.10891375669917e-08
LAML	RNF217	cg17382198	-0.421995689640088	140	-5.09898764304703	1.29053945369684e-06	0.178080362074814	2.14385696583676e-05
LAML	RNF217	cg18192252	-0.511149035287364	140	-6.51472789699592	1.78803380434906e-09	0.261273336275203	5.6452232863446e-08
LAML	RNF217	cg19171596	-0.46559809545331	140	-5.76315597515707	6.52182162121512e-08	0.216781586489749	1.48220447327143e-06
LAML	RNF217	cg19478500	-0.448031899298767	140	-5.4897618502149	2.28284679877936e-07	0.200732582789261	4.55597187953415e-06
LAML	RNF217	cg20034100	0.275477812243859	280	4.45791731820589	1.26674203811958e-05	0.075888025038663	0.000161126439034458
LAML	RNF217	cg23521835	-0.460464322545599	140	-5.68239015081461	9.47446729917504e-08	0.212027392337377	2.06574189762338e-06
LAML	RNF217	cg24822696	-0.291813798113881	140	-3.34212551752048	0.00110905121868897	0.0851552927696491	0.00731362382093478
LAML	RPA3	cg26322315	-0.180721228877726	139	-2.01284464875461	0.0463693167035054	0.0326601625670753	0.136510275569014

LAML	RPH3A	cg00851732	-0.0505624074020194	140	-0.554592799662151	0.580205398229996	0.00255655704228778	0.746033168323432
LAML	RPH3A	cg00854817	-0.0717412159519434	140	-0.787915884826417	0.432299541986391	0.00514680206626338	0.626076226250824
LAML	RPH3A	cg01119407	-0.0712676181822311	140	-0.78268783675142	0.435352283441192	0.00507907340136828	0.628668040351076
LAML	RPH3A	cg01573562	-0.0967035854322283	280	-1.51143851423954	0.1319814573305214	0.00935158343544827	0.289107548842762
LAML	RPH3A	cg05967001	-0.0924141613027828	140	-1.01669721370859	0.311342973390315	0.00854037720929675	0.510197697047293
LAML	RPH3A	cg08254200	0.0518657871691287	140	0.56892697103303	0.570468986364493	0.00269005987867336	0.738469520853956
LAML	RPH3A	cg09384610	-0.0898006570303168	140	-0.987707486746819	0.325283292416972	0.00806415800307658	0.524762316998173
LAML	RPH3A	cg11596863	-0.0531726647892047	140	-0.583302537677747	0.560784322795095	0.00282733228078513	0.731376907831642
LAML	RPH3A	cg16403344	-0.0541563356124953	140	-0.594124829640475	0.553547038066705	0.00293290868697323	0.725460979453179
LAML	RPH3A	cg17453780	-0.0553969629324874	140	-0.607776620476995	0.544484140313142	0.00306882350214338	0.718633038648283
LAML	RPH3A	cg18629535	-0.0615157762805211	140	-0.675150225658143	0.500879166913076	0.00378419073139513	0.684696513922857
LAML	RPH3A	cg19712198	-0.0593501815939632	140	-0.651296755125152	0.516100256283473	0.0035224405523641	0.697233664512998
LAML	RPH3A	cg20704159	-0.0802061937422284	140	-0.881454619320536	0.379833926606547	0.00643303351461588	0.578288363043421
LAML	RPH3A	cg21900624	-0.105692460604701	140	-1.16432443434959	0.246602148771846	0.0111708962286764	0.439804093022845
LAML	RPH3A	cg23199238	-0.0827373933879291	140	-0.909460926288673	0.364929915231653	0.00684547626462893	0.563885071813673
LAML	RPH3A	cg23549179	0.0207749144406443	140	0.227626912243128	0.820323674632288	0.000431597070016091	0.903423006261263
LAML	RPH3A	cg23596620	-0.0409140649950399	140	-0.448566725128386	0.654553176231137	0.00167396071441835	0.798537014313439
LAML	RTF1	cg04910470	-0.085032774766225	140	-0.934873343936703	0.351731031593304	0.00723057278444355	0.55066559674859
LAML	RTF1	cg07091958	-0.0292123357847364	280	-0.454631319630155	0.649782038184961	0.000853360562000192	0.795248000103217
LAML	RTF1	cg07129439	0.0955360367482097	140	1.05135376923738	0.295208720592682	0.00912713431755528	0.493138655997146
LAML	RTF1	cg15581235	0.0684489706548967	140	0.751583655488484	0.453772999207187	0.00468526158371491	0.64407600352053
LAML	RTF1	cg18782716	0.0632632540914375	140	0.694405207608678	0.488770351924024	0.00400223931823778	0.674819876434485
LAML	RTF1	cg22263512	-0.0742961901023659	140	-0.816129588708836	0.416043130504013	0.00551992386372689	0.6116306535599
LAML	RTF1	cg24280607	-0.0910365456758697	140	-1.00141371057514	0.318641893070178	0.00828765264859471	0.517957863460685
LAML	RTF1	cg27576415	-0.0813951737973477	140	-0.894607846378768	0.372787601741185	0.00662517431750044	0.57140635544518
LAML	SATB1	cg01069104	-0.107919012939315	140	-1.1891384943911	0.236732885985325	0.0116465133537961	0.428076332707046
LAML	SATB1	cg01373248	-0.268907774666643	140	-3.05839003405276	0.00274466312629492	0.0723113912761662	0.0153411641936332
LAML	SATB1	cg04004754	-0.0624900334112931	140	-0.685884519308176	0.494108942396482	0.00390500427574453	0.679319579982337
LAML	SATB1	cg14415616	-0.119256892012627	140	-1.31578398030751	0.190754754270045	0.014222062925115	0.371054318347808
LAML	SATB1	cg19818826	-0.138769245334446	140	-1.53499236481325	0.127418130022057	0.0192569034506917	0.282229436182617
LAML	SATB1	cg26131754	0.00714695246700313	140	0.0782929412572467	0.937725434569362	5.10789295656021e-05	0.96664874103142
LAML	SATB1	cg26768584	-0.296774231286994	140	-3.40437378472153	0.000902290365468262	0.0880749443559861	0.00616808231030211
LAML	SCML2	cg00457389	-0.184556505535663	139	-2.057051450272	0.0418484484598815	0.0340611037355354	0.126517884326443
LAML	SCML2	cg04189389	-0.28633641309966	139	-3.27373221669047	0.00138694766236236	0.0819885414667793	0.00881937276817209
LAML	SCML2	cg05049545	-0.244777698346692	139	-2.76553505183683	0.00658186641281804	0.0599161216079042	0.030848880330086
LAML	SCML2	cg06131666	-0.108612620007159	139	-1.19687215539429	0.23371556406347	0.0117967012248196	0.424617012799201
LAML	SCML2	cg08300622	-0.218693212168412	277	-3.47925155518719	0.000596583231166727	0.0478267210485381	0.00435494002865575
LAML	SCML2	cg17710066	-0.210630309287156	139	-2.36029069203289	0.0198735479641858	0.0443651271904031	0.0724445960200213
LAML	SCML2	cg17727916	-0.207833631089787	139	-2.32752679290553	0.0216125831953978	0.0431948182119656	0.0772598702831898
LAML	SCML2	cg22823767	-0.192286790910909	139	-2.14645167693552	0.0338498618005267	0.0369742099588155	0.108029051071143
LAML	SCML2	cg26246138	-0.208814424966975	278	-3.32161415323085	0.00103335923564558	0.0436034640742886	0.00689917167677756
LAML	SCML4	cg00977377	-0.376365478752932	140	-4.45008642536948	1.93309821547985e-05	0.141650973596924	0.000232439438426708
LAML	SCML4	cg03500965	-0.0250168293005475	140	-0.27413142937543	0.784454950522294	0.00062584174825273	0.881021976229305
LAML	SCML4	cg05603896	0.0353957050296843	140	0.387983641647558	0.698715536051333	0.00125285593454842	0.827188693301712
LAML	SCML4	cg08792995	0.00774524860793237	140	0.0848474925120228	0.93252402988326	5.99888759986783e-05	0.964235636015819
LAML	SCML4	cg17388996	-0.121452200823654	140	-1.34036454261176	0.182659055329542	0.0147506370849091	0.360535319572384
LAML	SCML4	cg23503775	-0.0170493803248452	140	-0.186793754613443	0.852137779555555	0.000290681369461218	0.921184586839693
LAML	SCML4	cg27353361	0.0400997845757326	140	0.439624730151299	0.660999633600131	0.00160799272302016	0.802775825404553
LAML	SCML4	cg27659622	-0.078519263256959	140	-0.862799242990415	0.389968926273264	0.00616527470241563	0.587475651636372
LAML	SETD1A	cg26692825	0.132308726945456	140	1.46222455184563	0.146293686220703	0.0175055992259273	0.310429610996682
LAML	SETD6	cg01152986	0.000926098347340623	140	0.0101449034565648	0.991922523583879	8.57658148947033e-07	0.995725586879101
LAML	SETD6	cg01472538	0.0103987739492361	140	0.113919020702543	0.909492364840131	0.000108134499647311	0.951932582514302
LAML	SETD6	cg01773760	0.038425374172626	140	0.421239981567475	0.674333396040652	0.00147650938030632	0.811724790207874
LAML	SETD6	cg02549819	0.00499737522067213	140	0.0547441863219181	0.956433305515932	2.49737590961878e-05	0.97700473461456
LAML	SETD6	cg05502081	0.0107410163756001	140	0.117668727071905	0.906526873623524	0.000115369432780911	0.950525677714453
LAML	SETD6	cg09132913	0.000927775205805836	140	0.010163272544382	0.991907898434637	8.60766832508061e-07	0.995725586879101
LAML	SETD6	cg19824325	-0.0472424228795715	280	-0.735741115952171	0.462600757754604	0.00223184651953226	0.652007670056375

LAML	SETD6	cg26666090	0.0278637478897351	140	0.305350623481298	0.760628147734186	0.000776388446462718	0.866822434395726
LAML	SETD7	cg05316864	-0.231407625272615	140	-2.60566952471853	0.0103301550861634	0.053549489034311	0.0437084784495265
LAML	SETDB1	cg02060408	0.0756480425429384	140	0.831064133164309	0.407587943202998	0.00572262634057822	0.603775924547453
LAML	SETDB1	cg08531528	-0.0282573705496102	140	-0.309667641558123	0.757350803634081	0.000798478990377979	0.864631994933965
LAML	SETDB1	cg10589385	-0.0133057537947728	140	-0.145770134328395	0.884347433325123	0.000177043084047111	0.938706708967511
LAML	SETDB1	cg10961700	-0.0130488833286513	140	-0.142955526263858	0.886565069397429	0.000170273356124754	0.939804638542298
LAML	SETDB1	cg12082615	-0.0221350396460831	271	-0.338683978231788	0.735151519487106	0.000489959980133668	0.85064221363309
LAML	SETDB1	cg15448220	-0.0815250231726697	140	-0.896044551691771	0.3720229408516	0.00664632940330433	0.570673830906838
LAML	SETDB1	cg16370685	-0.0189776203595662	140	-0.207926860983144	0.835638552955674	0.000360150074511822	0.911940318280616
LAML	SETDB1	cg17899625	-0.155753390329135	140	-1.7272725896568	0.0866916595430496	0.0242591185990199	0.215103906072529
LAML	SETDB1	cg17918089	-0.190713965176516	280	-3.02228511369267	0.0027783534800529	0.0363718165133492	0.0154871905006617
LAML	SETDB1	cg19689029	0.000293919204050845	140	0.00321972370192578	0.997436383017793	8.6388498509882e-08	0.998758749153521
LAML	SETDB1	cg26820223	-0.0438373311062152	140	-0.480675984565312	0.631621988364317	0.00192171159851594	0.782700961528142
LAML	SETMAR	cg00300090	-0.0126357213595451	140	-0.138428443663901	0.890133848105687	0.000159661454276063	0.941816696083425
LAML	SETMAR	cg02520519	0.00748757065576698	140	0.0820245263135796	0.934763867773308	5.60637143251028e-05	0.965308083837773
LAML	SETMAR	cg06021447	-0.0478401224859161	140	-0.524663020884722	0.600785368384364	0.00228867731946746	0.760788126057546
LAML	SETMAR	cg06267913	0.0836686351961438	140	0.919769025329257	0.359538693631618	0.00700044051558539	0.558439313622387
LAML	SETMAR	cg14751177	0.0700588727550915	140	0.769346893482433	0.443199107215263	0.0049082456517141	0.635401767934566
LAML	SETMAR	cg14961031	-0.0160063937846874	140	-0.175363724742896	0.861089403896759	0.000256204641990481	0.926215213300488
LAML	SETMAR	cg15232450	-0.0101401941951941	280	-0.157752512259583	0.874783367373882	0.000102823538316248	0.933740804059765
LAML	SETMAR	cg15384599	0.0465767849681185	280	0.725351946238602	0.468936966743242	0.00216939689796635	0.657861978876605
LAML	SETMAR	cg16423812	-0.0918855437810021	140	-1.01083194932205	0.314130731325152	0.00844295315593045	0.51320927636577
LAML	SETMAR	cg21901604	0.136143986556036	140	1.50539933196073	0.134849144712974	0.0185351850753702	0.293508930313122
LAML	SETMAR	cg22149154	-0.00156150086880779	140	-0.0171054058421384	0.986380934151733	2.43828496328747e-06	0.992881120608273
LAML	SETMAR	cg23182840	-0.0404229314681701	140	-0.44317325165538	0.658438353247457	0.00163401338848038	0.801237933704067
LAML	SETMAR	cg23549342	0.171779759433072	140	1.91014658907386	0.0585009046309528	0.0295082857508841	0.161664572301529
LAML	SETMAR	cg24390964	-0.0299535751300199	140	-0.328272274257128	0.743277919522126	0.000897216663069744	0.855669329947472
LAML	SETMAR	cg26797270	-0.120973520519363	140	-1.3350031384117	0.184402490746429	0.0146345926668486	0.362825822376642
LAML	SETMAR	cg27265118	0.0837057240198768	140	0.920179618891125	0.35932500413052	0.00700664823369178	0.558303939068209
LAML	SFMBT2	cg09060610	-0.205305173846614	139	-2.29795655612972	0.023295857421412	0.0421502144081882	0.0817254623494487
LAML	SFMBT2	cg12328063	-0.081809087720285	139	-0.899187715479387	0.370353484103044	0.00669272683362528	0.56902176332258
LAML	SFMBT2	cg20299663	-0.00690625131636188	139	-0.0756559969527754	0.939818769983123	4.76963072447502e-05	0.967912801737807
LAML	SFMBT2	cg25291138	-0.165626287324444	139	-1.83975468183679	0.0682756937964666	0.0274320670528791	0.181067679934626
LAML	SHPRH	cg00571935	0.256921888497637	139	2.91219431459232	0.00428073650926759	0.0660088567891921	0.0219305641094477
LAML	SHPRH	cg02758840	-0.0324927646560998	139	-0.356128449407544	0.722369714485074	0.00105577975499669	0.842708698637653
LAML	SHPRH	cg06708562	-0.104087301044146	139	-1.14644656382196	0.253891318328127	0.0108341662386546	0.447975078657707
LAML	SHPRH	cg11387577	0.0294609133903041	139	0.322868283011373	0.747356895536429	0.000867945417791	0.858178578428307
LAML	SHPRH	cg11675148	0.0724520731132952	139	0.795764047048073	0.427740516012418	0.00524930289841427	0.622046097049903
LAML	SHPRH	cg12989205	-0.0174735188336493	139	-0.19144203662564	0.848502838010784	0.000305323860429898	0.919158239064958
LAML	SHPRH	cg14102550	0.121513163964606	139	1.34104742138004	0.182437886320514	0.0147654490166893	0.360171879924327
LAML	SHPRH	cg15443174	0.0113218930902663	139	0.124033074644942	0.901496609408659	0.000128185263147419	0.947993817631055
LAML	SHPRH	cg16339435	-0.00686002127602238	139	-0.0751495362421869	0.940220871934592	4.70598919074797e-05	0.968211562794091
LAML	SHPRH	cg18099523	0.0944627232733487	139	1.039435226833991	0.300692183208147	0.00892320608821725	0.498966872807349
LAML	SHPRH	cg26814539	0.0924993718842237	139	1.01764274690099	0.310895112865031	0.00855613379897592	0.50977519623603
LAML	SHPRH	cg27398948	0.0529133478036839	139	0.580449831483276	0.562699735034555	0.00279982237579362	0.732851121463841
LAML	SIN3A	cg01088093	0.0985563320435417	140	1.08491244999152	0.280135230421824	0.00971335058587684	0.477337424497544
LAML	SIN3A	cg01664094	0.141141840275466	140	1.56176563015147	0.120976647948328	0.0199210190763453	0.272166845498488
LAML	SIN3A	cg02028562	0.0669870191053686	140	0.735457979602967	0.463495650779699	0.00448726072862301	0.652736796827586
LAML	SIN3A	cg07544511	0.235504219465755	140	2.65448119383429	0.00902022053138245	0.0554622373861746	0.0394149571517518
LAML	SIN3A	cg10483776	0.0500630859629332	140	0.54910217214055	0.583955656804915	0.00250631257613204	0.748752841758597
LAML	SIN3A	cg11184237	0.0044900717607753	140	0.0491867675872955	0.960852230041467	2.01607444169118e-05	0.979473738895969
LAML	SIN3A	cg15851274	0.0166993416914524	140	0.182957635092738	0.855140013277442	0.000278868012927881	0.922865536420965
LAML	SIN3A	cg22059910	0.0614269400150949	140	0.674171531040011	0.501498906219446	0.00377326895961806	0.685302849346301
LAML	SIN3A	cg25697800	0.245852103010668	140	2.77845292916777	0.00634117350621478	0.0604432565547679	0.0299608412840858
LAML	SIN3B	cg06815056	-0.0411986036985981	139	-0.451691588167822	0.652306505941893	0.00169732494671414	0.79690511592576
LAML	SIRT1	cg02720207	-0.0180203204213835	140	-0.197434779058348	0.843821353048638	0.000324731948089331	0.916601342405654
LAML	SIRT1	cg03211233	0.0665139962976716	140	0.730241448679242	0.466665834115825	0.00442411170348667	0.655886584561008

LAML	SIRT1	cg07832903	-0.0734836553344883	140	-0.807155320438098	0.421173960114213	0.00539984760131787	0.61629687482366
LAML	SIRT1	cg10582690	-0.0894362732300266	140	-0.983667286885849	0.32725826354142	0.00799884696927596	0.526740367524708
LAML	SIRT1	cg10705386	0.113837323226513	140	1.25518484714508	0.211850507456949	0.0129589361593776	0.397969148486088
LAML	SIRT1	cg19192316	-0.0503294477815751	280	-0.783935969386009	0.43384429711659	0.00253305331399829	0.627414036210808
LAML	SIRT1	cg19681528	-0.0385264364781088	140	-0.422349526593183	0.673525688253819	0.00148428630770175	0.811162915936737
LAML	SIRT1	cg19980381	0.0759755953196888	140	0.834683451911217	0.405554585954411	0.00577229108418112	0.601932946535991
LAML	SIRT1	cg25513531	0.0483212110306015	140	0.52995140955139	0.597124811621553	0.00233493943546392	0.758114821870403
LAML	SIRT4	cg04118464	0.0802305388194029	140	0.881723901332278	0.37968884304767	0.00643693935925172	0.578180630220026
LAML	SIRT4	cg07106325	0.100531795271329	140	1.10687825591152	0.270560482725382	0.0101066418604765	0.466716532731792
LAML	SIRT4	cg08264848	0.1393904298964	140	1.54199942317841	0.125706723342865	0.0194296919467033	0.279496632352138
LAML	SIRT4	cg12124973	0.0568821095757175	140	0.62412280608735	0.533731654179569	0.00323557438978394	0.710722519389353
LAML	SIRT4	cg20010714	-0.107816986456902	140	-1.18800105612792	0.237179004084382	0.0116245025686477	0.428587104683757
LAML	SIRT4	cg21068152	0.0704876739067216	280	1.09926512521302	0.272744812600926	0.00496851217278033	0.469142546520363
LAML	SIRT4	cg21123573	0.0560478845264034	280	0.873273176785787	0.383379895020191	0.00314136535988505	0.581649417918729
LAML	SIRT5	cg01064902	0.142737386363473	140	1.57978579024216	0.11678831261154	0.0203739614658752	0.265772414547379
LAML	SIRT5	cg02206980	0.0980053362904988	140	1.07878807416475	0.282845870634349	0.00960504594141377	0.480094948074022
LAML	SIRT5	cg02712746	0.0766844079815792	140	0.842516462126441	0.401175012995565	0.00588049842748529	0.597782120766491
LAML	SIRT5	cg06139021	0.00806418794756127	140	0.0883416254612571	0.929752416343531	6.50311272535924e-05	0.962784152772428
LAML	SIRT5	cg07534331	-0.0246967241452867	140	-0.270621600675942	0.787146992611884	0.000609928183508386	0.882742850161008
LAML	SIRT5	cg07909422	0.0109331625776325	280	0.170090260858262	0.865081260421587	0.000119534043948944	0.928378142822968
LAML	SIRT5	cg08619119	0.00723880889262431	140	0.0792992560809573	0.936926686697074	5.24003541839368e-05	0.966360948228465
LAML	SIRT5	cg10907941	0.149546406676251	140	1.65683034795215	0.100166175249374	0.0223641277497785	0.238523598437349
LAML	SIRT5	cg11824369	0.257929641337874	140	2.9244295234347	0.00412688264908731	0.0665276998806843	0.0212782813363665
LAML	SIRT5	cg19366958	0.0136681239372678	140	0.149740783745495	0.881220513148225	0.000186817611964512	0.937033434831551
LAML	SIRT5	cg20150972	0.0862803671911532	140	0.948691838126928	0.344684017175764	0.00744430176264023	0.543923656784684
LAML	SIRT7	cg11691214	0.0822115318384019	140	0.903641122737453	0.367996186684153	0.00675873596721657	0.566900242517812
LAML	SIRT7	cg12710567	0.097129716046948	140	1.06905752134052	0.287189510109646	0.00943418173936074	0.4846443686299
LAML	SIRT7	cg17552093	-0.0393317527127149	280	-0.612332297601136	0.540892846540126	0.00154698677145416	0.716042169722498
LAML	SIRT7	cg20397086	-0.0977212582435627	140	-1.07563090848314	0.284250235972148	0.00954944431270507	0.481533096494431
LAML	SMARCA	cg03460558	-0.211874062673877	139	-2.37488104821483	0.0191397655936264	0.0448906184339341	0.0703301178305498
LAML	SMARCA	cg06675660	-0.0168069003641796	139	-0.184136377537055	0.854217274698244	0.000282471899851461	0.92216741958416
LAML	SMARCA	cg08617833	-0.441229252762358	139	-5.38606457013801	3.64016414457833e-07	0.194683253493229	6.9208402742779e-06
LAML	SMARCA	cg12935118	0.0969214127046192	139	1.06674306731101	0.288229339659759	0.00939376024065913	0.485766876437776
LAML	SMARCA	cg17420696	0.105344851318131	139	1.16045207229252	0.248168257008787	0.0110975376992392	0.441471582139364
LAML	SMARCA	cg18959966	-0.328344547683186	139	-3.80795485511939	0.000222270270179148	0.107810141993276	0.0018960163002557
LAML	SMARCA	cg24447042	-0.496897025874621	278	-8.90737374367511	1.27865419801378e-16	0.246906654323043	1.22351321869968e-14
LAML	SMARCA	cg26010110	-0.391755331219484	139	-4.66428346323889	8.1111018707365e-06	0.153472239538888	0.000108852482699715
LAML	SMARCA	cg27353825	0.126965507771679	139	1.40218515103613	0.163441527508851	0.0161202401637203	0.334475987557835
LAML	SMARCA	cg04518912	0.0126805439994499	140	0.138919569116864	0.889746574924662	0.000160796196121984	0.941534993534505
LAML	SMARCA	cg13529335	0.0779055761155016	140	0.856014476672347	0.393695832542449	0.00606927878988821	0.590448875032432
LAML	SMARCA	cg14290704	-0.0190392830063191	140	-0.208602707698672	0.835112065380192	0.000362494297394711	0.911708382474089
LAML	SMARCA	cg21210735	-0.123873574708704	140	-1.3674994925298	0.174024623991151	0.0153446625111129	0.349162344898966
LAML	SMARCA	cg08405378	0.0467407727380099	140	0.512579734254174	0.609187547638421	0.00218469983614629	0.76678482454467
LAML	SMARCA	cg17218495	-0.0692119630139826	140	-0.760001569211397	0.448744215879613	0.00479029582424889	0.640035173153111
LAML	SMARCA	cg17747332	0.0383412121920759	280	0.59688817373253	0.551140044951449	0.00147004855235779	0.723610825912257
LAML	SMARCA	cg18522266	0.0331823965400999	140	0.363695224300559	0.716725576873307	0.00110107144014443	0.839016227324145
LAML	SMARCA	cg23892580	-0.171007824541084	140	-1.90130368972328	0.0596602820223499	0.0292436760542741	0.164006218581812
LAML	SMARCA	cg01278696	0.036948041344588	280	0.575169365441309	0.565711131032905	0.00136515775920138	0.734997458937947
LAML	SMARCA	cg01575392	-0.0293035146682497	140	-0.321141831170406	0.748661552943203	0.000858695971912327	0.859169423049264
LAML	SMARCA	cg02782292	-0.024210125317649	140	-0.265286392704699	0.791244029844239	0.000586130167896269	0.885427553010007
LAML	SMARCA	cg05358385	0.0388070598478704	140	0.425430508680974	0.671284847521221	0.00150598789403619	0.809606533045047
LAML	SMARCA	cg10878459	-0.0789828720004092	140	-0.867925435349386	0.38716753781146	0.00623829406943302	0.585113673100177
LAML	SMARCA	cg12253543	-0.0584146310446364	140	-0.640994780106331	0.522748362020867	0.00341226912008099	0.702469918900198
LAML	SMARCA	cg13848802	-0.0232746005850644	140	-0.255029560157583	0.799136836734068	0.000541707032394278	0.890293526809098
LAML	SMARCA	cg13898584	-0.202257341572218	140	-2.26237602994361	0.0254731596782884	0.0409080322198608	0.0874171328251255
LAML	SMARCA	cg16091845	-0.0557344996865192	280	-0.868375119646398	0.386049352124217	0.00310633445530661	0.584127344675601
LAML	SMARCA	cg16587443	-0.09968648438814	140	-1.09747737169103	0.274630102687597	0.00993739516966688	0.471062623108852

LAML	SMARCA	cg19993723	0.132620723472116	140	1.46573427329086	0.145336109400177	0.0175882562942674	0.309193987183367
LAML	SMARCA	cg20045045	0.02111318190339947	140	0.231539182441488	0.817290303526289	0.000446553775685501	0.901785317024616
LAML	SMARCA	cg22077701	-0.041795868188733	140	-0.458251229603426	0.647600743641528	0.00174689459764994	0.793477166428039
LAML	SMARCA	cg24607315	-0.070458618156526	140	-0.773758510238332	0.440595283417964	0.00496441687252714	0.633198527243485
LAML	SMARCB	cg01745726	0.208648154210526	140	2.33706296739301	0.0210930839616044	0.0435340522554594	0.0758664466091382
LAML	SMARCB	cg01912455	-0.0298522119140776	140	-0.32716040486954	0.744116575871482	0.000891154556162996	0.856239811015813
LAML	SMARCB	cg03979008	0.0939991897185258	140	1.03428908079635	0.303080923238101	0.00883584766773941	0.501465658785157
LAML	SMARCB	cg10122452	0.113489361576587	140	1.25129803941711	0.213259676057231	0.0128798351910612	0.399680147418542
LAML	SMARCB	cg16142952	0.117991657709276	140	1.30162624825303	0.195537455972537	0.0139220312889829	0.377310270114285
LAML	SMARCB	cg19906397	0.136564894714689	280	2.14454314134987	0.0329856958786883	0.0186499704684341	0.105949183533719
LAML	SMARCC	cg02564102	0.0973412320601325	140	1.07140781641099	0.286136204573748	0.00947531545898457	0.483412163628687
LAML	SMARCC	cg02627110	-0.0688874468572113	140	-0.756421096525035	0.450879232502507	0.00474548033450511	0.641577783711657
LAML	SMARCC	cg05592996	0.00173970738002279	140	0.0190575683496002	0.984826831848058	3.02658176810577e-06	0.99203173104388
LAML	SMARCC	cg07143957	0.0266975457466444	140	0.292561242116163	0.770362794935454	0.000712758948894172	0.87275697597403
LAML	SMARCC	cg07304068	-0.0690291299438534	140	-0.757984293794858	0.449946391033715	0.0047650207808054	0.641000779095663
LAML	SMARCC	cg07474652	-0.0198045144699628	140	-0.216990144292427	0.828584513732202	0.000392218793390967	0.907884669661303
LAML	SMARCC	cg12894336	-0.110291772413677	140	-1.21560191299554	0.226522688513646	0.0121642750621504	0.416076925606936
LAML	SMARCC	cg16250355	-0.0114592578212655	280	-0.178275921580247	0.8586554343031	0.000131314589814235	0.92488875920656
LAML	SMARCC	cg20685352	-0.13257646823103	140	-1.46523640883177	0.145471647962217	0.0175765199286133	0.30936336845829
LAML	SMARCC	cg22984439	-0.173632369697203	140	-1.93138399131687	0.0557937001448939	0.0301481998066663	0.1561244239082
LAML	SMARCC	cg24832353	0.230907388242848	140	2.59971920934246	0.0105010439016001	0.0533182219451332	0.0442714195882961
LAML	SMARCD	cg02553054	0.198000310585167	140	2.21279371455527	0.0288036973550125	0.0392041229918225	0.0957791128462765
LAML	SMARCD	cg04550398	-0.00523118229683698	140	-0.0573055150237449	0.95439713924289	2.73652682227406e-05	0.975799988281763
LAML	SMARCD	cg09878554	-0.0500816566082258	140	-0.549306370849153	0.583815978734548	0.00250817232862425	0.748685906110604
LAML	SMARCD	cg13349421	0.204639626650985	140	2.29018101624147	0.0237571832979845	0.0418773767958547	0.0829741545067525
LAML	SMARCD	cg17846064	0.160398912100143	140	1.78013069395513	0.077585411008333	0.0257278110029094	0.198587815088417
LAML	SMARCD	cg18591973	0.024686961275378	280	0.384156068985427	0.701200106002504	0.000609446057012012	0.828813070474638
LAML	SMARCD	cg20405918	0.183566663341406	140	2.04563294800548	0.0429784191184622	0.033696719890297	0.129016140110009
LAML	SMARCD	cg22402853	0.0866863376144572	140	0.953189385155414	0.342410211907884	0.00751452112900766	0.541649174598656
LAML	SMARCD	cg25107077	0.0955718141781358	140	1.05175112096596	0.295027083364091	0.00913397166530013	0.492901838178996
LAML	SMARCD	cg00945038	0.110751839976082	140	1.22073547314367	0.224579436582095	0.0122659700580877	0.413816828666418
LAML	SMARCD	cg02127607	0.0700704038931155	140	0.769474146658671	0.443123875353814	0.00490986150174433	0.635378917162993
LAML	SMARCD	cg02360836	-0.00708850336100022	280	-0.110274003987711	0.912283467635292	5.02468798989114e-05	0.953429289524641
LAML	SMARCD	cg04367190	-0.103085542035803	140	-1.13529381874305	0.258514718008585	0.0106266289768154	0.453152185055428
LAML	SMARCD	cg06420487	0.114859074275791	140	1.26660074010923	0.2077510740791	0.0131926069434918	0.392801897486024
LAML	SMARCD	cg07362569	0.153793210144853	140	1.70500455208372	0.0907811008108407	0.023652351486659	0.222138429682893
LAML	SMARCD	cg11697258	-0.00728447292754596	140	-0.0797995200898858	0.936529633222191	5.306354583215e-05	0.966162559501473
LAML	SMARCD	cg12577610	0.0347681025670821	279	0.54007262236792	0.589645653398739	0.00120882095611514	0.752746955274238
LAML	SMARCD	cg15868002	-0.0333623110956784	140	-0.365669366821733	0.71525560137066	0.00111304380164483	0.838088996490361
LAML	SMARCD	cg19016967	-0.303130078287969	140	-3.48457575201047	0.000688965613330434	0.09188784436287	0.00492080342668269
LAML	SMARCD	cg19143629	-0.0149989068453518	140	-0.164323277056334	0.869753123157927	0.00022496720655554	0.930874920382849
LAML	SMARCD	cg21254277	0.15624871491086	140	1.73290287386674	0.0856818842279324	0.0244136609112951	0.213269869508792
LAML	SMARCD	cg23682543	-0.0290236772922563	140	-0.318072451275706	0.75098284154073	0.000842373843565035	0.86052583074074
LAML	SMARCD	cg24795630	0.0779487897786318	140	0.856492203620958	0.393432702195043	0.00607601382795333	0.590224923529797
LAML	SMARCD	cg25945412	0.0289355748661247	140	0.317106120493085	0.751714124977641	0.00083726749283311	0.860957976510323
LAML	SMARCD	cg00864064	-0.1715974432964	140	-1.90805774044022	0.0587730468581818	0.0294456825458613	0.162180420235719
LAML	SMARCD	cg02917064	-0.0442081566941921	280	-0.688390533242412	0.491866244745182	0.00195436111829824	0.677423079467233
LAML	SMARCD	cg14795305	-0.0773088104597112	280	-1.2062529299027	0.228897912686547	0.00597665217469555	0.418857389963945
LAML	SMARCD	cg19786287	-0.176154713918688	140	-1.96033292924334	0.0522742953644436	0.0310304832357747	0.149042570407972
LAML	SMARCD	cg19902439	-0.180727525505396	140	-2.01291714755036	0.0463615744191106	0.0326624384753036	0.136507033055535
LAML	SMARCD	cg22750243	-0.199956555694156	140	-2.23556202384171	0.0272298572422577	0.0399826241650702	0.0918333339534483
LAML	SMARCD	cg22787816	-0.168691224844476	140	-1.87478746280421	0.0632530434183518	0.0284567293395297	0.171083626301622
LAML	SMNDC1	cg03999743	0.17307814561053	140	1.92502843762657	0.0565925598722666	0.0299560444879799	0.157780941214318
LAML	SMNDC1	cg08770590	-0.0746865663928479	140	-0.820441789338095	0.413591076318582	0.00557808319955328	0.609160853311222
LAML	SMNDC1	cg11559952	0.0354827919111416	140	0.388939430692738	0.698010231015668	0.00125902852180937	0.82676362173043
LAML	SMNDC1	cg12486840	0.0844252613721761	140	0.928146055115805	0.355194951206605	0.00712762475776025	0.554042246429344
LAML	SMNDC1	cg17981675	-0.0154495966683691	140	-0.16926205378097	0.865875517634944	0.000238690037215283	0.92874776887639

LAML	SMNDC1	cg18209001	0.239029465803223	140	2.69660494318859	0.00801257945022782	0.0571350855221742	0.0359828324049543
LAML	SMNDC1	cg21872391	0.15325140853506	280	2.41253109418293	0.016586855248611	0.02348599421798	0.0630071674780069
LAML	SMNDC1	cg23721301	0.0728568452627257	140	0.80023344586223	0.42515694262333	0.00530811990163676	0.620015074294317
LAML	SMNDC1	cg26944434	0.0763752435734665	140	0.839099763215496	0.403081802721137	0.00583317783090633	0.59958976941543
LAML	SMYD1	cg00578637	-0.0661268612674525	139	-0.72597246275681	0.469269215614661	0.00437276178108491	0.658151174722848
LAML	SMYD1	cg00666842	-0.105052602946008	139	-1.15719676287355	0.249490250320598	0.0110360493857315	0.443033270182853
LAML	SMYD1	cg03704645	-0.100361911517904	139	-1.10498874840116	0.271375066720271	0.0100725132835277	0.467649067631047
LAML	SMYD1	cg14559139	-0.0509992734382368	139	-0.559396998281421	0.576933394913464	0.00260092589122805	0.74355886290648
LAML	SMYD1	cg16090764	-0.0998727729971243	139	-1.09954892046812	0.273729717866821	0.00997457078613512	0.470119429347656
LAML	SMYD1	cg18148488	-0.15622226040879	139	-1.73260213546376	0.0857355764008089	0.0244053946472318	0.213362553759582
LAML	SMYD1	cg19074493	-0.174478007084327	139	-1.94108496960773	0.0545926886309163	0.0304425749561186	0.153876218092518
LAML	SMYD2	cg01770831	-0.0930973325996153	139	-1.02427861130988	0.307764088674614	0.00866711333716338	0.506295322682927
LAML	SMYD2	cg04406444	0.0395330986434724	139	0.433402205092585	0.665500680730121	0.00156286588835452	0.805836605429406
LAML	SMYD2	cg11523160	0.0150039772959178	139	0.164378839814351	0.869709481076934	0.000225119334696418	0.930853824375365
LAML	SMYD2	cg14013804	0.051710159670777	139	0.567215275683211	0.57162749200707	0.00267394061317726	0.739427820305919
LAML	SMYD2	cg27570636	0.0271948965585127	139	0.298015386752069	0.766206786677157	0.000739562398828203	0.870378001594741
LAML	SMYD5	cg01329511	0.0787787588871859	140	0.865668456003114	0.388399409267856	0.00620609285180537	0.586140820272311
LAML	SMYD5	cg05103132	-0.0469829770639775	140	-0.515241713616231	0.60733198334878	0.00220740013379423	0.765406383287588
LAML	SMYD5	cg06754047	0.150835989841331	276	2.36378564728487	0.0188868689514034	0.0227514958314142	0.0696739891504872
LAML	SMYD5	cg08834152	0.0332761097648122	140	0.364723503887367	0.715959771784697	0.00110729948107983	0.83855242773164
LAML	SMYD5	cg15623359	-0.0090185389184769	140	-0.0987971618958274	0.921464169300068	8.13340442240826e-05	0.958838426887501
LAML	SMYD5	cg17895873	0.0475901504971445	280	0.741168782552008	0.45930970393666	0.00226482242434086	0.649196478702603
LAML	SMYD5	cg20402064	0.258377078566705	140	2.92986516964054	0.00406017485219319	0.0667587147286655	0.0209913765170145
LAML	SMYD5	cg25886337	0.0343030678887181	140	0.375992561911512	0.707586313840356	0.001176700466578	0.833360630083368
LAML	SMYD5	cg26467949	0.150001279996206	140	1.66198572900668	0.0991258158121275	0.0225003840005001	0.236785510341408
LAML	SP100	cg05876232	0.143268618207768	140	1.58578832569013	0.115419057043548	0.0205258969631631	0.263561141307125
LAML	SP100	cg09456094	-0.0026151887569038	140	-0.0286480554510352	0.977192874951681	6.83921223423603e-06	0.988046643555426
LAML	SP100	cg11702456	-0.145878941399518	140	-1.61530353021647	0.108871235636921	0.0212806655438441	0.253048368841907
LAML	SP100	cg11827097	-0.0845271664324885	140	-0.929274426020732	0.35461242994179	0.00714484186510561	0.553553358873608
LAML	SP100	cg23539753	-0.284489954291328	280	-4.61637833988415	6.34090172105326e-06	0.0809345340926819	8.76949526200208e-05
LAML	SP100	cg27140170	-0.0818267014474431	140	-0.899382617979306	0.370250119148377	0.00669560906976899	0.568930368558848
LAML	SP140L	cg04002454	-0.112244991481707	139	-1.23740195938048	0.218353736031101	0.0125989381127284	0.406028552940134
LAML	SP140L	cg05217331	-0.14892341903996	139	-1.64977136116338	0.101604962211931	0.0221781847385514	0.24102016863287
LAML	SP140L	cg13278004	-0.177976801428813	139	-1.98126977633359	0.0498476796207906	0.0316757418468313	0.143965339635424
LAML	SP140L	cg24044052	-0.368975382153274	139	-4.3487760552012	2.88881803193145e-05	0.136142832635155	0.000329907090393534
LAML	SP140L	cg25095994	-0.256447231897379	139	-2.90643499716873	0.00435496586564005	0.0657651827478282	0.0222259538510531
LAML	SP140L	cg26847438	-0.178242851677647	139	-1.98432860356163	0.0495012903408236	0.0317705141741796	0.143245910542899
LAML	SSRP1	cg01511567	-0.108743089023368	280	-1.70173695657274	0.0900889685555322	0.0118250594103441	0.220945183474435
LAML	SSRP1	cg01766191	-0.119794305071166	140	-1.3217994938881	0.188749222540899	0.0143506755274836	0.368470690548223
LAML	SSRP1	cg02688348	0.116997869831136	140	1.29051046180584	0.199354484628056	0.0136885015450234	0.382125486628245
LAML	SSRP1	cg04937561	-0.197639841385437	140	-2.20860130473701	0.0291019843847913	0.0390615069028607	0.0965564794315032
LAML	SSRP1	cg08821673	-0.102484992310582	140	-1.1286094778732	0.261313885138511	0.0105031736489001	0.456653127238337
LAML	SSRP1	cg09381635	-0.241071029182536	140	-2.72105149224563	0.00747570611258041	0.0581152411111269	0.0340864324330376
LAML	SSRP1	cg11948159	-0.091127646529734	140	-1.00242421900209	0.318155831224929	0.00830424796204813	0.517489371393081
LAML	SSRP1	cg12795368	-0.11472877006389	140	-1.26514464209768	0.208270692064244	0.0131626906803728	0.393448524003054
LAML	SSRP1	cg12911972	-0.207433973103596	140	-2.32284957796401	0.0218714800500149	0.0430288531975435	0.0779346793244255
LAML	SSRP1	cg16313264	-0.111573997297905	140	-1.22991131108338	0.221136128620657	0.0124487568730328	0.409421295395197
LAML	SSRP1	cg22636253	-0.211199489834752	280	-3.36131425086884	0.000901383750406563	0.0446052245064594	0.00616350949100186
LAML	SSRP1	cg26706201	-0.184539789406114	140	-2.05685856467971	0.0418673228573677	0.0340549338740528	0.126565108975133
LAML	STK31	cg00755064	0.0164362044387335	140	0.180073923638836	0.857398272299313	0.000270148816351843	0.924123213700386
LAML	STK31	cg05000488	0.0711977923049859	140	0.78191707364597	0.435803407318989	0.0050691256291039	0.628948159053866
LAML	STK31	cg05407490	0.121189200698561	140	1.33741872245138	0.183615447100259	0.0146868223659561	0.361872168107758
LAML	STK31	cg11755819	0.0280684811200996	140	0.30759599732113	0.758922983561274	0.000787839632389387	0.865724272182137
LAML	STK31	cg13313214	0.0856311925698852	140	0.941500939633517	0.348339702886388	0.00733270114094076	0.547559259212369
LAML	STK31	cg13514718	0.138525563096243	140	1.53224409630949	0.128094358355304	0.0191893316311311	0.283184305149125
LAML	STK31	cg13802883	0.0935749644243797	140	1.02957992960312	0.305277982586473	0.00875627396702393	0.503831442311638
LAML	STK31	cg14898779	0.128055468421668	277	1.99612357025	0.0470552223865157	0.0163982029926927	0.138016588256856

LAML	STK31	cg17102984	0.152219571156248	140	1.68714263321605	0.0941737557751728	0.023170797842992	0.228122471018957
LAML	STK31	cg17331904	0.078218583521923	140	0.859474882778669	0.391792292870244	0.00611814680817605	0.588842750942752
LAML	STK31	cg21519371	0.144843482956213	140	1.60359140366956	0.111433012471924	0.0209796345548868	0.257219742811727
LAML	STK31	cg25570411	0.169261879069069	140	1.88131628834536	0.0623520403504486	0.028649583705992	0.169322211999557
LAML	STK31	cg25612145	0.0989905922786401	280	1.54753313091982	0.123041457191322	0.00979913735967595	0.275426211283679
LAML	SUV39H1	cg05903800	0.070860204527528	139	0.778190821293866	0.437988210731288	0.0050211685856831	0.630829687818389
LAML	SUZ12	cg00160853	0.0116650287420542	140	0.127792682375338	0.898526951327887	0.00013607289555295	0.946352852298873
LAML	SUZ12	cg01109633	0.0153921449035087	140	0.16863247666918	0.866369640824123	0.000236918124730609	0.928986663980671
LAML	SUZ12	cg07482957	-0.00382166843547442	140	-0.0418645859086833	0.966676225302086	1.46051496307015e-05	0.98245233097507
LAML	SUZ12	cg08177746	0.00600260226016001	140	0.0657563978851699	0.947681194634518	3.6031233893678e-05	0.972174329662575
LAML	SUZ12	cg17335595	-0.125481611760104	140	-1.38553351868281	0.168459230686711	0.0157456348899135	0.341615561606245
LAML	SUZ12	cg25098644	0.0220118682042208	280	0.342507294294918	0.732266450543176	0.000484522341839986	0.848730407985159
LAML	TAF3	cg00194465	0.0240942129309976	139	0.264015524289164	0.792220827394747	0.000580531096764252	0.886085913082912
LAML	TAF3	cg02334915	-0.012284879314298	139	-0.134584266328221	0.893166054227594	0.000150918259766867	0.943332929162108
LAML	TAF3	cg03672997	0.0467554284285692	139	0.51274080702089	0.609075197402511	0.00218607008753906	0.766693029347922
LAML	TAF3	cg04179819	-0.0214937963992414	139	-0.235507149153246	0.81421657599775	0.000461983283652041	0.900052068393165
LAML	TAF3	cg04234156	-0.095805708564448	139	-1.05434890307636	0.293841454666754	0.00917873379353594	0.491561880402243
LAML	TAF3	cg05976695	-0.0544024069542955	139	-0.596832362942264	0.551743677508127	0.00295962188242078	0.724036767451625
LAML	TAF3	cg07855525	-0.0651615419358707	139	-0.715329196874133	0.475795140759883	0.00424602654746024	0.663571702180603
LAML	TAF3	cg09871669	-0.0532897944627381	139	-0.584591101928891	0.559920182412869	0.00283980219388087	0.730601673755179
LAML	TAF3	cg09994553	0.112492989929814	139	1.24017092510936	0.217331681727541	0.0126546727833492	0.404805364370836
LAML	TAF3	cg11104088	0.157232920881576	139	1.74409418499383	0.083703333344895	0.0247221914089518	0.20959916033839
LAML	TAF3	cg12176426	0.116958061401215	139	1.29006527585351	0.199508496296861	0.0136791881267305	0.382289316508239
LAML	TAF3	cg12590721	-0.115683914385732	139	-1.27581954239632	0.204483366140104	0.0133827680476054	0.388634295551237
LAML	TAF3	cg12777293	-0.0376266631982113	139	-0.412471528902415	0.680729813207096	0.00141576578343163	0.815835452983821
LAML	TAF3	cg27268107	-0.0787208565966571	139	-0.865028221783151	0.388749292156565	0.00619697326331145	0.586468850681348
LAML	TCEA1	cg01677098	-0.0181315883909934	280	-0.282107696207853	0.778102042136439	0.000328754497580405	0.877257869682499
LAML	TCEA1	cg06047473	-0.107134141850561	140	-1.18038936543867	0.240179893233159	0.0114777243500562	0.432127684590992
LAML	TCEA1	cg11530293	0.0127186017393454	140	0.139336571646162	0.889417771709157	0.00016176283020408	0.941404747507989
LAML	TCEA1	cg11787876	0.100519301107131	140	1.106739288045	0.270620335163059	0.0101041298950661	0.466788726495533
LAML	TCEA1	cg12850379	0.0628583233311135	140	0.68994282165465	0.491562303151319	0.00395116881199881	0.677165979085098
LAML	TCEA1	cg23569945	-0.147835613969952	140	-1.63745040335141	0.104156146251138	0.0218553687578728	0.245231329174279
LAML	TCEA1	cg26181865	-0.234739224226491	140	-2.64535486173775	0.00925309155167952	0.0551025033904548	0.0401581592285276
LAML	TCEA1	cg26358945	-0.105324200203842	140	-1.16022203275127	0.248261513658364	0.0110931871485791	0.441566971364461
LAML	TDRD1	cg00337703	-0.20574921122174	139	-2.30314606299893	0.0229923606387057	0.042332737918368	0.0808985845105142
LAML	TDRD1	cg02635786	-0.791305255036894	139	-14.1773191559685	2.09829748544819e-27	0.626164006649004	4.99189463556442e-25
LAML	TDRD1	cg16550453	-0.781298224019425	139	-13.7123846667169	2.52186071509555e-26	0.610426914855908	5.6375181744294e-24
LAML	TDRD1	cg23504215	-0.738173157932467	139	-11.986579459185	2.99774042170876e-22	0.544899611091991	4.81831029682668e-20
LAML	TDRD1	cg23825092	-0.746039179524621	139	-12.2727505131794	6.23926385857623e-23	0.556574457385769	1.06911297932617e-20
LAML	TDRD1	cg24203376	-0.728225261578294	139	-11.6399642253782	2.0167240252452e-21	0.530312031600774	3.02290999653034e-19
LAML	TDRD1	cg26600802	-0.742016691435583	139	-12.1250164832332	1.40218970196794e-22	0.550588770369009	2.31105817107827e-20
LAML	TDRD1	cg27547703	-0.715410983450069	276	-15.9283256361173	1.48693299810999e-39	0.511812875240995	5.96260132242104e-37
LAML	TDRD3	cg01557749	-0.0254490360790508	140	-0.278870542904464	0.780824190893778	0.000647653437352827	0.878951790519138
LAML	TDRD3	cg03447530	0.0161959643948117	140	0.177441174549941	0.859461033572047	0.000262309262678009	0.925319273951536
LAML	TDRD3	cg05666423	0.115905530854479	140	1.27829688771818	0.203611730578709	0.0134340920826585	0.387487529568195
LAML	TDRD3	cg10765900	0.10397772398869	140	1.14522645356129	0.254394260722	0.0108113670858682	0.448557278300255
LAML	TDRD3	cg18522102	0.0205433400951522	140	0.225088517465594	0.822293273892054	0.000422028822265087	0.904546729411957
LAML	TDRD3	cg19937698	0.050255918087592	140	0.551222539393366	0.582506029959759	0.00252565730282676	0.74768085727211
LAML	TDRD3	cg20944895	0.0341505051418738	140	0.374318379722102	0.708828079616596	0.00116625700144515	0.834112767328374
LAML	TDRD3	cg22045829	0.114090029511069	140	1.25800792486782	0.210831275933868	0.0130165348338366	0.396648325997564
LAML	TDRD3	cg23103367	-0.140578146481865	140	-1.55540222676267	0.122483780444969	0.0197622152682768	0.274557072927127
LAML	TDRD3	cg23767211	0.141750265247561	140	1.56863573249397	0.119366039916542	0.020093137697754	0.269768221174467
LAML	TDRD3	cg26737458	-0.0250243368751226	140	-0.274213748023133	0.784391843228611	0.000626217436039619	0.881016705439153
LAML	TDRD5	cg05378938	-0.185827594638299	139	-2.07172383628818	0.0404339310093891	0.0345318949290559	0.123341459569949
LAML	TDRD5	cg07171496	-0.137222740079662	139	-1.51755555053177	0.131756582718508	0.0188300803949704	0.288740497684706
LAML	TDRD5	cg07901138	-0.139035113601526	139	-1.53799117350606	0.126683466381513	0.0193307628141893	0.281092681260741
LAML	TDRD5	cg09656934	-0.0419602588980148	276	-0.650618548098548	0.515915122178885	0.00176066332678843	0.697044993664375

LAML	TDRD5	cg11853788	-0.0110384097526553	139	-0.120927087905314	0.903951037251994	0.000121846489867515	0.949155299598882
LAML	TDRD5	cg12277666	-0.131689769201481	278	-2.06661018581712	0.0398348926059898	0.0173421953123392	0.122124754104054
LAML	TDRD5	cg13848905	-0.110615453767031	139	-1.21921355568809	0.225154279377574	0.0122357786120861	0.4145029701564
LAML	TDRD5	cg15545772	-0.153427233528634	139	-1.70084927766072	0.0915613271262298	0.02353991598825	0.223576442526693
LAML	TDRD7	cg24339935	-0.127483893699965	140	-1.40800450036068	0.161715120010768	0.0162521431529039	0.332114061014196
LAML	TDRD9	cg07613153	0.134530767574241	280	2.11200697146165	0.035710959205538	0.0180985274241144	0.112522366886802
LAML	TDRD9	cg08933517	0.155644815936232	280	2.45113690232773	0.0149489068485813	0.0242253087278234	0.0582253672146667
LAML	TDRD9	cg16701547	0.038198064965068	140	0.41874444157278	0.676151444875639	0.00145909216707556	0.812865484510206
LAML	TRIM24	cg00733782	-0.00448728628488338	140	-0.0491562533054987	0.960876496647963	2.01357382025025e-05	0.9794847268159
LAML	TRIM24	cg02308366	-0.20429022340434	140	-2.286100291203	0.0240024902511809	0.041734495378595	0.0835896085441926
LAML	TRIM24	cg06386929	-0.0770217397679457	140	-0.846244728858249	0.399100612414295	0.00593234839688115	0.595706614519804
LAML	TRIM24	cg06650216	0.0061924320269771	140	0.067835994779125	0.946029090321521	3.83462144087318e-05	0.971184458127877
LAML	TRIM24	cg10571650	0.0633998436832826	140	0.69591051898297	0.487830489182333	0.00401954017906467	0.674048614178012
LAML	TRIM24	cg10703331	-0.0553618883333411	280	-0.862551714963028	0.389237946166425	0.00306493867983333	0.586817635008447
LAML	TRIM24	cg13935558	0.102348586400688	140	1.12709140366359	0.261952546915374	0.010475233138219	0.457303003337701
LAML	TRIM24	cg26889928	0.033596321722187	279	0.521849759978576	0.602254217847409	0.00112871283326069	0.761656310425786
LAML	TRIM33	cg00760200	-0.0580250219524681	140	-0.636705034297987	0.525529711816145	0.0033669031725844	0.704442280495559
LAML	TRIM33	cg02852257	-0.0558708376814729	140	-0.612991852407344	0.541041762850697	0.0031215505322949	0.716131747863686
LAML	TRIM33	cg05792124	-0.0182482752778125	140	-0.199933131697692	0.841871297629482	0.000332999550614823	0.91541067971566
LAML	TRIM33	cg16036305	0.108696141286111	140	1.19780352978382	0.233354054781467	0.0118148511304901	0.4241869889743
LAML	TRIM33	cg17645130	0.0155350908264276	140	0.170198932633913	0.865140307194649	0.000241339046985354	0.928400655489381
LAML	TRIM33	cg18199720	0.10108282738064	140	1.11300770494755	0.267929710687424	0.0102177379912642	0.463622134800695
LAML	TRIM33	cg20932765	-0.0192295273389181	261	-0.287854437615437	0.773724313945448	0.000369774721678199	0.87454027953204
LAML	TRIM33	cg20992663	0.0424343633925344	140	0.465264244505089	0.642585468472702	0.00180067519652967	0.79011038135721
LAML	TRIM33	cg21666217	0.0592762042303106	280	0.923745627403178	0.356538895423009	0.00351366838795349	0.555375972739129
LAML	TRIM33	cg21813112	-0.0785637225990948	140	-0.863290812223589	0.389699751227329	0.00617225850862752	0.587331740453316
LAML	TRIM66	cg06492264	0.167732515100746	139	1.86382327859966	0.0647906439418139	0.028134196622022	0.17413690763456
LAML	TRIM66	cg11245569	-0.0392158268435615	139	-0.429918568480544	0.668025912412643	0.0015378810750242	0.807414204061729
LAML	TRIM66	cg12608775	0.118780701613255	139	1.31045474083911	0.192544718256416	0.0141088550757371	0.373257508398695
LAML	TRIM66	cg13143389	0.0889951753856213	139	0.97877703274069	0.329659290195125	0.0079201412419175	0.529297342141492
LAML	TRIM66	cg27044202	0.149373891206157	139	1.65487539733288	0.100562983449619	0.0223125593740688	0.239146416852007
LAML	UBE2A	cg00142683	-0.0779090521279317	139	-0.856052903802367	0.393674663022983	0.00606982040347278	0.590448875032432
LAML	UBE2A	cg00428314	-0.020549418297223	139	-0.225155143018142	0.82224156303179	0.000422278592354244	0.904546729411957
LAML	UBE2A	cg00935924	-0.0636913902092601	139	-0.69912369395353	0.485827604846914	0.00405659318678824	0.672391835675085
LAML	UBE2A	cg05206294	-0.0587069698695223	139	-0.644213735785609	0.520666320816908	0.003446508311261	0.700894891185854
LAML	UBE2A	cg06206449	-0.0519112618428573	139	-0.569427139760467	0.570130677323927	0.0026947791061177	0.738215840477648
LAML	UBE2A	cg06273903	-0.0845319565740307	278	-1.31973226085191	0.188171517595578	0.00714565168223381	0.367638129484916
LAML	UBE2A	cg09080960	-0.0696230728409015	139	-0.764537801028313	0.446047647415793	0.00484737227180948	0.637946623335065
LAML	UBE2A	cg14625604	-0.0643786003743397	278	-1.00357786342045	0.316584539184206	0.00414460418615894	0.51586212906512
LAML	UBE2A	cg15661671	-0.0756251038280202	139	-0.830810680281378	0.407730564882524	0.00571915632899883	0.603837719440139
LAML	UBE2A	cg16211147	-0.0386282975863046	139	-0.423467854665398	0.67271197227413	0.00149214537441611	0.810594713691798
LAML	UBE2A	cg17976175	-0.0476102152787417	139	-0.522135884459441	0.602538238361061	0.00226673259888813	0.761842113463364
LAML	UBE2A	cg18990292	-0.0476640467483254	139	-0.522727591658843	0.602127609904783	0.00227186135242655	0.761612252205131
LAML	UBE2A	cg25165659	-0.0654711313372392	139	-0.718742397795825	0.473696862897776	0.00428646903857803	0.661661100026823
LAML	UHRF2	cg06523306	0.0936359484821103	140	1.03025685376328	0.304961506183121	0.00876769084814441	0.503464715999923
LAML	UHRF2	cg08487038	0.0299423801846633	279	0.465039252125188	0.642323249237506	0.000896546131122918	0.78997997713722
LAML	UHRF2	cg13428749	-0.16907912820615	140	-1.87922523348882	0.0626394366566687	0.0285877515949516	0.1699202292792
LAML	UHRF2	cg14078101	-0.111801411992168	140	-1.23244986525478	0.220190317196859	0.0124995557234426	0.408350470487567
LAML	UHRF2	cg20595300	0.00281566738711988	280	0.0438016786957845	0.965098608773805	7.92798283489047e-06	0.981628591221032
LAML	UHRF2	cg24119045	-0.127946873835616	140	-1.41320286112904	0.160184758360494	0.016370402524307	0.329990019116497
LAML	USP27X	cg00478198	0.0204320032098205	139	0.223868114686388	0.823240617270853	0.000417466755166116	0.904884218720858
LAML	USP27X	cg01125381	-0.173663705459769	139	-1.93174338999999	0.0557488111757479	0.0301590825940175	0.156038102346051
LAML	USP27X	cg01290688	-0.137564852137637	139	-1.52141187762015	0.130787240521023	0.01892408854365	0.287357375352119
LAML	USP27X	cg01855997	0.0753673498170164	139	0.827962813365384	0.409335171076747	0.00568023741844052	0.605326774488546
LAML	USP27X	cg06455206	-0.188503238677724	139	-2.10264453647596	0.0375868731623225	0.0355334709919911	0.116998768037361
LAML	USP27X	cg06624970	0.0657183978587707	139	0.721468643121846	0.472024600984709	0.00431890781712367	0.660123353928928
LAML	USP27X	cg16810342	0.0772439786958005	139	0.848701123110285	0.397737458104716	0.00596663224475729	0.594379004087793

LAML	USP27X	cg16867483	-0.00196591819561107	139	-0.0215355964547174	0.982854176527736	3.86483435183468e-06	0.991114283694631
LAML	USP27X	cg19318186	-0.079236126673274	139	-0.870725949883835	0.385642360421128	0.00627836377018313	0.583681818451745
LAML	USP51	cg00834229	-0.0389334040013918	139	-0.426817682163894	0.67027690089816	0.00151580994713559	0.808978547047156
LAML	USP51	cg01084827	-0.144007660398876	139	-1.59414129658039	0.113534940503395	0.020738206253558	0.260694721414436
LAML	USP51	cg02714202	-0.0420362421488909	139	-0.460891349229656	0.645710775397715	0.00176704565400019	0.792284534577614
LAML	USP51	cg03728850	0.0144536469861755	139	0.158348310822255	0.874448510798721	0.000208907911200979	0.933523436882924
LAML	USP51	cg07386410	-0.0875760056746421	139	-0.96304725723281	0.337460465351449	0.00766955676992494	0.536983113990077
LAML	USP51	cg12064531	-0.061960441523684	139	-0.680049272525373	0.497783128393373	0.00383909631380986	0.682142378591028
LAML	USP51	cg12517811	-0.0234883719236634	139	-0.257373229498878	0.797331478765849	0.000551703615624338	0.889144436850252
LAML	USP51	cg18770944	-0.0317150952385017	276	-0.49361941132587	0.622022673128792	0.00100584726598723	0.776059764289379
LAML	USP51	cg21331369	-0.0663164518554132	139	-0.728063060384256	0.467993278814057	0.00439787178669134	0.657001283647828
LAML	USP51	cg25424556	-0.0988289481919441	276	-1.54498118167175	0.123657480186965	0.00976716100072598	0.276423379031198
LAML	WDR82	cg01736403	0.127411936562423	140	1.40719664664007	0.161953946700864	0.0162338015785869	0.332481272223757
LAML	WDR82	cg03869063	-0.139995835521616	140	-1.54883027895179	0.124055859133735	0.0195988339633955	0.277019389903261
LAML	WDR82	cg10989431	0.0990597928426663	140	1.09050935061538	0.277673725986462	0.00981284255803196	0.474442122543176
LAML	WDR82	cg11442381	0.104430442343356	140	1.15026762069879	0.252320773570064	0.0109057172880291	0.446204275035994
LAML	WDR82	cg11665333	-0.0847984173565213	140	-0.932278067304596	0.353064779769902	0.00719077158617077	0.552083583382687
LAML	WDR82	cg12661343	0.0839669779048988	140	0.923071951479923	0.357822007483103	0.00705045337848177	0.556852445554347
LAML	WDR82	cg13539115	-0.0488528445393452	140	-0.535795846278887	0.593091356487771	0.00238660041958543	0.755258042981629
LAML	WDR82	cg15991175	-0.136536716216643	140	-1.50982427564344	0.13371692050048	0.0186422748752242	0.291791700236026
LAML	WDR82	cg17632831	-0.105703160556924	140	-1.16444363849158	0.246554050261379	0.0111731581517229	0.439746561800071
LAML	WDR82	cg24007312	0.0620754969990614	140	0.681316948733629	0.49698368112992	0.00385336732768048	0.681519710103991
LAML	WDR82	cg26236504	0.105513510736333	140	1.16233088177862	0.247407527942397	0.0111331009479063	0.440682798597615
LAML	WDR82	cg26858096	-0.015472406874544	140	-0.169512016692564	0.86567934911525	0.000239395374491438	0.928674094144432
LAML	ZMYND1	cg00614684	-0.0173400226509045	140	-0.189978994316922	0.849646584509656	0.000300676385533881	0.919822691566618
LAML	ZMYND1	cg02813021	0.0717259812412992	280	1.11867569913169	0.26438770589937	0.00514461638502721	0.459964603111539
LAML	ZMYND1	cg02867818	-0.0725900785602846	140	-0.797287826192025	0.426858644474174	0.00526931950538829	0.621300645505366
LAML	ZMYND1	cg03254875	-0.0884831764314509	140	-0.973101457488545	0.33246034375022	0.00782927251139926	0.532201987400552
LAML	ZMYND1	cg05236965	-0.10792691284398	140	-1.18922656775561	0.236698367535474	0.011648218516032	0.428066598569245
LAML	ZMYND1	cg08828193	0.0118959444715813	140	0.130322764139441	0.896529284468968	0.000141513494870945	0.945181458132972
LAML	ZMYND1	cg12639781	-0.240325548955449	140	-2.71212037170349	0.00766793688746136	0.057756369480738	0.0348003311301813
LAML	ZMYND1	cg13939078	-0.0799669299516135	140	-0.87880819599106	0.381261600070109	0.00639470988588626	0.579690509446967
LAML	ZMYND1	cg14255089	-0.0173350392253185	280	-0.269710450867452	0.78761285906045	0.000300503584943332	0.883015387997357
LAML	ZMYND1	cg14694828	-0.0134745649714263	140	-0.147619865576075	0.882890524203693	0.00018156390116919	0.937827537944457
LAML	ZMYND1	cg17632565	0.0725529552294537	140	0.796877926563673	0.427095764115044	0.00526393131252712	0.621490205450062
LAML	ZMYND1	cg22593633	0.10759892162801	140	1.18557009616064	0.238134474034102	0.0115775279355107	0.429744670896561
LAML	ZMYND1	cg24757747	-0.00925289601481081	140	-0.101364736710052	0.91943010228657	8.56160846609018e-05	0.957550442150039
LGG	ACTL6A	cg03667091	0.073999360210756	534	1.71149693742161	0.0875722674502661	0.00547590531160121	0.216609868494674
LGG	ACTL6A	cg03839554	-0.11594701999431	529	-2.67980975758352	0.00759683618606734	0.0134437114455608	0.0345445565968508
LGG	ACTL6A	cg07261848	-0.0956688219482093	531	-2.21052208556972	0.0274961160513241	0.00915252349295818	0.0924947181569104
LGG	ACTL6A	cg10112003	0.0372713065832246	534	0.860265078711184	0.390030445988165	0.00138915029442072	0.58753419660367
LGG	ACTL6A	cg20132173	0.0869485458785147	534	2.01310311226245	0.044606995209926	0.00756004963038818	0.132727350750085
LGG	ACTL6A	cg22619386	0.0388062362590821	534	0.895745413802479	0.370793862407108	0.0015059239725957	0.569473431624949
LGG	ACTL6A	cg25198545	0.0349075730031844	534	0.805638541847671	0.420811235838567	0.00121853865297265	0.615951480409902
LGG	ACTL6A	cg25575835	0.0559118020264797	534	1.29163320000752	0.197045066986786	0.00312612960584826	0.379269216942624
LGG	ACTL6B	cg05729836	0.18963963059876	534	4.45490152266359	1.02370087584366e-05	0.0359631894936341	0.000133755098984518
LGG	ACTL6B	cg08572611	-0.231567503037989	534	-5.49036803031327	6.21988899339868e-08	0.053623508463249	1.41938998050002e-06
LGG	ACTL6B	cg09375063	-0.183778018132556	534	-4.31231126558066	1.92582537820176e-05	0.0337743599487301	0.00023169577172717
LGG	ACTL6B	cg14088161	-0.213715460159728	533	-5.0412111764566	6.35607091579707e-07	0.0456742979112845	1.1453884197904e-05
LGG	ACTL6B	cg16024950	-0.103861903690691	533	-2.40634945260204	0.0164534299223955	0.0107872950382543	0.0626396264746422
LGG	ACTL6B	cg20497359	0.105008098555114	534	2.43548986939892	0.0151990185728803	0.0110267007621606	0.0589839594362292
LGG	ACTL6B	cg24471254	-0.354258183223006	534	-8.73766756280171	3.10618573946066e-17	0.125498860380465	3.1628614321414e-15
LGG	ACTL6B	cg26990587	-0.22691993440408	534	-5.37412936801994	1.15308668114987e-07	0.051492656629952	2.47116323067143e-06
LGG	AEBP2	cg02664216	0.109428548675392	534	2.5392321156611	0.0113932450229427	0.0119746072652026	0.047212811128472
LGG	AEBP2	cg07849438	-0.0534609507209377	534	-1.23484942885734	0.21743165438937	0.00285807325198652	0.404914016411324
LGG	AEBP2	cg08161947	-0.160320655763805	534	-3.74627410216888	0.000199089667113693	0.0257027126645364	0.00173011411566606
LGG	AEBP2	cg24304000	-0.0450751392925178	534	-1.04072152071433	0.29847754045922	0.00203176818223988	0.496653967551297

LGG	AEBP2	cg26259627	-0.0181342561117374	534	-0.418337678521928	0.675869061808935	0.000328851244726084	0.812651588784611
LGG	AFF4	cg00931577	0.155165422173675	534	3.62278726940138	0.000319383071540676	0.0240763082383347	0.00257579169266384
LGG	AFF4	cg01907658	-0.0132848765331696	534	-0.306444383425417	0.759386214080099	0.00017648794450156	0.866060186928556
LGG	AFF4	cg05619425	0.121081460457523	534	2.81345885861106	0.00508243843910826	0.0146607200665266	0.0251084788170438
LGG	AFF4	cg06638012	0.176648982630572	534	4.13952949760029	4.04593216512346e-05	0.0312048630644161	0.000442741626959925
LGG	AFF4	cg13393914	0.146840316165272	534	3.4240057779184	0.000664634766029405	0.0215620784515171	0.00477376022421674
LGG	AFF4	cg13565585	-0.0894545951048123	534	-2.07158663018041	0.0387854027227439	0.0080021245853659	0.119706984496906
LGG	AICDA	cg07999668	-0.129093291654938	534	-3.00267798195194	0.00280195801971695	0.016665077950307	0.015593069760774
LGG	AIRE	cg08089567	-0.114482746390229	534	-2.65803482752301	0.00809624504660425	0.0131062992210496	0.0362601777291612
LGG	AIRE	cg09510531	-0.14289886586177	534	-3.33015664403971	0.000928167519534287	0.0204200858645802	0.00631170139988202
LGG	AIRE	cg11923631	-0.160251858219132	534	-3.74462410141981	0.000200368500014352	0.0256806580626849	0.00173967266630764
LGG	AIRE	cg12843033	0.0384733810970531	534	0.88805084175089	0.374914723877415	0.00148020105303908	0.573605444358951
LGG	AIRE	cg15955655	0.0401521162975734	534	0.926861029570426	0.354418975145905	0.00161219244317386	0.553436836397771
LGG	AIRE	cg16501323	-0.143192794318081	534	-3.3371496773212	0.000905595494670537	0.0205041763446202	0.00618795748022835
LGG	AIRE	cg16717549	-0.161098249280463	534	-3.76492736052848	0.000185157365250736	0.0259526459212302	0.00162648284466076
LGG	AIRE	cg17356252	-0.127728862623401	534	-2.96482374861261	0.00316491282231395	0.0163146623470678	0.0172031322036816
LGG	AIRE	cg18689454	-0.145072894414239	534	-3.38190171188487	0.000772803652885918	0.0210461446937249	0.00541032103785161
LGG	AIRE	cg18876487	0.018199754835241	534	0.419849162994051	0.674765149289585	0.000331231076062877	0.811964299893796
LGG	AIRE	cg23272544	-0.0399334923595533	534	-0.921806288558751	0.357047464122398	0.0015946838120305	0.555912146981644
LGG	AIRE	cg27251412	-0.158183267917054	534	-3.6950382591704	0.000242613651219989	0.0250219462489183	0.00204130287508196
LGG	ARID1A	cg04081153	-0.0201073535042593	534	-0.46387240840352	0.642928902051629	0.000404305664945249	0.790342124489673
LGG	ARID1A	cg04360147	0.0255535859558752	534	0.589589187213858	0.555716403413032	0.0006529857552043	0.727103652843456
LGG	ARID1A	cg14851949	-0.035863715404665	534	-0.827733574820703	0.40819254410008	0.0012862060826268	0.604174971735948
LGG	ARID1A	cg17385674	0.0256841612308857	534	0.592603889742587	0.553698071973087	0.000659676138134134	0.725573355305635
LGG	ARID1A	cg20413923	0.0286810805845291	534	0.661804972084928	0.508382766896142	0.000822604383496251	0.690921430093058
LGG	ARID1A	cg21294655	0.307213188299755	534	7.4459935465923	3.90393637727693e-13	0.0943799430653007	2.33617558872216e-11
LGG	ARID1A	cg24542126	-0.0135975074428632	534	-0.31365720916015	0.753904346689043	0.000184892208658719	0.862501430114082
LGG	ARID1A	cg25601319	-0.348262212685591	534	-8.56916566105443	1.1338115845679e-16	0.121286568784664	1.08893504209723e-14
LGG	ARID2	cg00035453	-0.197805108565458	534	-4.64998698862277	4.19445884102497e-06	0.0391268609745927	6.09990465730177e-05
LGG	ARID2	cg01183821	0.00389531368943416	534	0.0898465795432737	0.928442947452105	1.51734687390931e-05	0.962183820292663
LGG	ARID2	cg01353809	-0.265400661778839	534	-6.3491920906025	4.64346288535208e-10	0.0704375112726459	1.62864540894084e-08
LGG	ARID2	cg01751433	-0.133134074710228	534	-3.09833536820936	0.00204893221503544	0.0177246818489485	0.0121270017403237
LGG	ARID2	cg06613666	0.0808669847434303	534	1.87133593488922	0.0618471335296329	0.00653946922149419	0.168340362681651
LGG	ARID2	cg07276957	-0.102365294870804	534	-2.37353682558291	0.0179728158459815	0.0104786535939867	0.0670685103814596
LGG	ARID2	cg23465749	-0.0661756544522327	529	-1.52249745669832	0.128484275118937	0.0043792172421813	0.283764072751607
LGG	ARID4A	cg02136725	-0.00974178994760738	534	-0.224706267552885	0.82229406771748	9.49024713833042e-05	0.904546729411957
LGG	ARID4A	cg06154646	0.0839578245402745	534	1.94335913433003	0.0524998146020646	0.00704891630153553	0.149504743288418
LGG	ARID4A	cg08066755	-0.103631563936701	534	-2.40321449275889	0.0165929525132163	0.0107395010439666	0.0630196820686983
LGG	ARID4A	cg08790491	-0.213287969442049	534	-5.03538097150932	6.5397261285373e-07	0.0454917579087125	1.17413213580298e-05
LGG	ARID4A	cg10064886	0.0897594202934708	534	2.07870299955457	0.038123299132405	0.00805675353141993	0.1181767585554
LGG	ARID4A	cg10242170	-0.0104733149282476	534	-0.241581569911319	0.809197490683734	0.000109690325586254	0.896890461974033
LGG	ARID4A	cg10844118	-0.242788483751432	534	-5.77266936659811	1.32695227038276e-08	0.0589462478423194	3.53281741691157e-07
LGG	ARID4A	cg12203852	0.0420588986890348	534	0.970952927767754	0.33201295264737	0.00176895095893449	0.53172651854348
LGG	ARID4A	cg14272338	-0.0534748458923479	534	-1.23517130200272	0.217311961330749	0.00285955914321036	0.404788016467873
LGG	ARID4A	cg14460816	-0.177649787921272	534	-4.15982892501477	3.71400341270417e-05	0.031559447148473	0.000410174874343992
LGG	ARID4A	cg17323045	0.130818690120874	534	3.04350439990084	0.00245398603348777	0.0171135296849413	0.0140186069532345
LGG	ARID4A	cg19548283	-0.295743451513457	534	-7.13407119833981	3.20999299331481e-12	0.0874641891130927	1.67596103974451e-10
LGG	ARID4A	cg20996579	-0.0919287734547714	534	-2.12936528417241	0.033682569077454	0.00845089938889868	0.107592255022233
LGG	ARID4A	cg26429530	-0.147934956009723	534	-3.45009940518435	0.000604867434495627	0.0218847512095988	0.00440340393482994
LGG	ARID4A	cg27026909	-0.323412668712992	534	-7.88321315321639	1.81724207515281e-14	0.10459575428406	1.32245584653356e-12
LGG	ARID4B	cg05652840	0.0427185615492446	534	0.986209235483822	0.324478756599187	0.0018248755008366	0.523869187581772
LGG	ARID4B	cg06212607	-0.145500973088929	534	-3.39209648223063	0.000745203208780541	0.0211705331698251	0.00525447571383725
LGG	ARID4B	cg06891548	-0.148690265884481	534	-3.46811175975655	0.000566578717241255	0.0221087951687975	0.00416601367949586
LGG	ARID4B	cg07814876	-0.154475050946316	534	-3.60627361028468	0.000339878243156883	0.023862541364867	0.00271379329243011
LGG	ARID4B	cg10107779	0.031632703444665	534	0.729977574409677	0.465725193372506	0.00100062792721812	0.655009447877244
LGG	ARID4B	cg11732257	-0.120466461474017	534	-2.79895771092963	0.00531285484057789	0.0145121683400708	0.0260302449595614
LGG	ARID4B	cg22596515	0.0756713400003928	534	1.75038761762373	0.0806278868489137	0.00572615169745505	0.204138704339139

LGG	ARID4B	cg23687319	-0.148893846829784	534	-3.47296774443412	0.000556650696280992	0.0221693776237712	0.00410620939374962
LGG	ARID4B	cg26020585	0.0630518810925371	534	1.45719899165091	0.145651446280051	0.00397553970930743	0.309571808874437
LGG	ASH1L	cg03119126	-0.032792923291643	534	-0.756779879668236	0.449516760812698	0.00107537575488661	0.640740731272569
LGG	ASH1L	cg08095278	0.122456027915004	534	2.84588189242886	0.00459968530878864	0.0149954787727203	0.0231908126922033
LGG	ASH1L	cg09410084	0.18825078037341	534	4.42107219981858	1.19115369017494e-05	0.0354383563111978	0.000152735470864462
LGG	ASH1L	cg10558228	0.0566091591835096	526	1.29792421375014	0.194884400730592	0.00320459690346393	0.376419084885352
LGG	ASH1L	cg17038116	0.0573191872152479	534	1.32425142552487	0.185988195412149	0.00328548922301664	0.364823340329044
LGG	ASH1L	cg20064047	-0.0556577307665017	534	-1.28574555292529	0.199091239395678	0.00309778299407639	0.381818949747248
LGG	ASH1L	cg21852905	-0.0106972264438122	534	-0.246746985218557	0.805199224836584	0.000114430653590196	0.894188153042557
LGG	ASH1L	cg23821590	0.000537459931126029	534	0.012396582386135	0.990113858944403	2.88863177565996e-07	0.994652791780897
LGG	ASH1L	cg24312492	0.0475086553403231	534	1.09600029254944	0.273575470635271	0.00225707233224561	0.469937514630814
LGG	ASH1L	cg26185843	-0.0844762007602881	534	-1.95544388566637	0.051053798547381	0.0071362284948925	0.146496964486554
LGG	ASH2L	cg00590869	0.0997298867802519	534	2.31180773140195	0.0211693445552407	0.00994605031720186	0.0760668817704571
LGG	ASH2L	cg01642070	-0.0996390036344259	534	-2.30967986227021	0.0212878741856203	0.00992793104526114	0.0763695368973901
LGG	ASH2L	cg02897270	-0.0288723507075407	534	-0.666222127066235	0.505557919974418	0.000833612635379226	0.68869618131735
LGG	ASH2L	cg03189282	-0.130651883670097	534	-3.03955619970181	0.00248581706472203	0.0170699147065446	0.0141708487188568
LGG	ASH2L	cg03705346	-0.027834350428268	534	-0.642251617960867	0.520986479978158	0.000774751063763625	0.701140149031883
LGG	ASH2L	cg10062221	-0.0335658180348852	534	-0.774636295507268	0.438898742725658	0.00112666414035102	0.631647188818793
LGG	ASH2L	cg21453287	-0.0417110624150809	534	-0.962908881599949	0.336030716270687	0.00173981272779477	0.535613931515834
LGG	ASH2L	cg24318412	0.00533867056644421	534	0.123138859787352	0.902043645169651	2.85014034170178e-05	0.948252323954811
LGG	ASH2L	cg27255459	0.0759639469072831	534	1.75719524679762	0.0794597142695203	0.00577052122973253	0.202033891555912
LGG	ASXL1	cg00174466	-0.0183928395194175	534	-0.424304922618584	0.67151497510541	0.000338296545587047	0.809729052521642
LGG	ASXL1	cg04218270	-0.0268571919911558	534	-0.619688029029048	0.535728507532249	0.000721308761649804	0.712065190161523
LGG	ASXL1	cg09065199	0.0475415014562489	534	1.09779199621637	0.272791938463523	0.00226019436071452	0.469146967649161
LGG	ASXL1	cg10421984	-0.0182997838632467	534	-0.422157498155108	0.673080611195805	0.000334882089441545	0.810871688818933
LGG	ASXL1	cg12592359	0.0890517500011912	534	2.06218281329345	0.0396753363629649	0.00793021417827466	0.121774761975085
LGG	ASXL1	cg16926526	-0.0567265744016363	534	-1.31051579632573	0.19058688659583	0.00321790424334438	0.370876160188008
LGG	ASXL1	cg18793288	-0.211263876002986	534	-4.98535180570055	8.38236293618754e-07	0.0446324253038049	1.46381588688309e-05
LGG	ASXL1	cg24727216	0.0872254455532439	534	2.01956318971476	0.043929594852805	0.00760827835196192	0.131233781420802
LGG	ASXL2	cg05165989	0.0802146733374622	534	1.85614269599313	0.0639859273907398	0.00643439381863577	0.17254397848921
LGG	ASXL2	cg05496738	0.065831331268334	534	1.52170884097755	0.128676183931642	0.00433376417656114	0.284055281231044
LGG	ASXL2	cg06583696	0.142507519733297	534	3.32084728250802	0.000959027758323445	0.020308393180536	0.00648414787337164
LGG	ASXL2	cg09476286	-0.0650283631354164	534	-1.50306870770872	0.133414684877543	0.00422868801207158	0.291352833713151
LGG	ASXL2	cg19084174	0.137439634866895	534	3.20043404009737	0.00145408732692089	0.0188896532323455	0.00916687759404246
LGG	ASXL2	cg20667782	0.0624158397262627	534	1.44244158543991	0.149766301061064	0.00389573704873451	0.315305648601572
LGG	ASXL2	cg24738909	0.00458830066727636	534	0.105830843305006	0.91575645649476	2.10525030133287e-05	0.955482785378139
LGG	ASXL3	cg09963640	-0.218551838022321	534	-5.16580713571267	3.39040099289817e-07	0.0477649059029348	6.49637573501282e-06
LGG	ASXL3	cg12361352	-0.226578332136881	532	-5.35550585800509	1.27349805792591e-07	0.0513377405939309	2.70610510566208e-06
LGG	ASXL3	cg17880622	-0.222528518477586	534	-5.26465309552389	2.04147764844231e-07	0.0495189415358293	4.12418773375665e-06
LGG	ASXL3	cg20034091	-0.24078945138741	534	-5.72220101747971	1.75732729009259e-08	0.0579795598994497	4.57069606170053e-07
LGG	ASXL3	cg20329085	-0.225003207411391	534	-5.32630411547274	1.48171488997596e-07	0.0506264433454136	3.09113778897264e-06
LGG	ASXL3	cg24880056	0.0104924867392659	534	0.242023843033473	0.808854954015297	0.000110092277973671	0.896660714384775
LGG	ASXL3	cg27109877	-0.258184422859196	534	-6.16404394210169	1.40227159344458e-09	0.066659196207136	4.51337676211947e-08
LGG	ATAD2B	cg08192560	0.0112674792134898	534	0.25990231724182	0.795039675802317	0.000126956087826425	0.887772241766169
LGG	ATAD2B	cg14009731	-0.0108177363216115	534	-0.249527043204305	0.803049439199906	0.000117023419123914	0.892629032150506
LGG	ATAD2B	cg15717719	-0.0699502804104018	534	-1.61737376560401	0.106390363049098	0.00489304172949384	0.248932834317474
LGG	ATAD2B	cg16929802	0.0356077254865368	534	0.821817806858063	0.411548747701506	0.00126791011432456	0.607284204831013
LGG	ATAD2B	cg17933838	-0.136617553198954	534	-3.18092575327	0.00155365809593983	0.0186643558420689	0.00967541449852251
LGG	ATAD2B	cg19614157	0.0485166746172193	534	1.12036254328983	0.263064812143482	0.00235386771591313	0.458442293814742
LGG	ATAD2B	cg20806130	-0.0384374206087418	534	-0.887219565308204	0.375361610297255	0.00147743530305333	0.574006941175198
LGG	ATAD2B	cg27610867	0.0974110244666068	534	2.25753376854306	0.0243793497134056	0.00948890768763386	0.0846001932199427
LGG	ATAT1	cg01245721	0.0294320442108141	534	0.679148002388274	0.497339446136641	0.000866245226427314	0.681786580544757
LGG	ATAT1	cg05093836	0.0134809313082588	534	0.310967626507775	0.755947037099711	0.000181735508937992	0.86387685165289
LGG	ATAT1	cg06814856	-0.0205276288892743	534	-0.473572118434554	0.635999333116444	0.00042138354781577	0.78570980483811
LGG	ATAT1	cg07142893	-0.0981223124925627	534	-2.27417777906518	0.0233527105180082	0.00962798820888812	0.0818526510845457
LGG	ATAT1	cg07816366	-0.0288017868406836	534	-0.664592530363389	0.506599109548107	0.000829542925216175	0.68960963747188
LGG	ATAT1	cg08081524	-0.126102412996826	534	-2.93197321497121	0.00351312424087518	0.0159018185636221	0.0186974062526266

LGG	ATAT1	cg08188471	-0.350924894493798	524	-8.56221937455852	1.24651013442277e-16	0.123148281575483	1.19422425366115e-14
LGG	ATAT1	cg08635134	-0.074415707457874	534	-1.72117991149459	0.0857995590435132	0.00553769751645589	0.213473978834908
LGG	ATAT1	cg09532691	-0.581738545481767	534	-16.4965218316311	1.11540526405377e-49	0.338419735299242	6.28781428346372e-47
LGG	ATAT1	cg12907138	-0.00113337271798374	534	-0.0261414004162398	0.979154358221945	1.28453371786984e-06	0.989251582019753
LGG	ATAT1	cg13542073	-0.131350025459236	534	-3.05608251650523	0.00235505664795124	0.0172528291881421	0.0135690473167471
LGG	ATAT1	cg13964084	0.00319812865098851	534	0.0737656149459805	0.941224614245532	1.02280268682736e-05	0.968671413269053
LGG	ATAT1	cg15381130	0.012568806414666	534	0.289923994695629	0.771987349207419	0.00015797489468935	0.873578006635057
LGG	ATAT1	cg15729859	0.00994659458644254	534	0.229430798963315	0.818622278911362	9.8934743867048e-05	0.902430327559694
LGG	ATAT1	cg18298197	-0.0609341055588699	534	-1.40806926010116	0.159694642600298	0.0037129652202595	0.329355382461495
LGG	ATAT1	cg20629923	-0.0565110975825793	534	-1.30552180192866	0.19227952103915	0.0031935041499878	0.37289320033736
LGG	ATAT1	cg22759096	-0.582649275405811	534	-16.5356053771128	7.26845512962057e-50	0.339480178130917	4.18846072854595e-47
LGG	ATAT1	cg23328390	-0.0535740074721357	534	-1.23746834023826	0.216459154874608	0.00287017427662445	0.403731172991806
LGG	ATAT1	cg26934609	-0.0266969586860673	534	-0.61598824931076	0.538165731021264	0.000712727603085583	0.713926279442519
LGG	ATF7IP	cg00236831	0.0561306340749415	534	1.29670444309897	0.195295037267998	0.00315064808165498	0.376992112387758
LGG	ATF7IP	cg11409060	-0.161992121832856	534	-3.78281856707513	0.000172696402883591	0.0262414475359109	0.00153592591356191
LGG	ATF7IP	cg12526346	-0.24336249138803	534	-5.78717539097214	1.22356034364447e-08	0.0592253022145889	3.28443024977078e-07
LGG	ATF7IP	cg12948116	-0.19818254856565	534	-4.65922219824354	4.01769198281402e-06	0.0392763225559761	5.8629212176146e-05
LGG	ATF7IP	cg17439009	0.1356450337559	534	3.15785616892219	0.0016795167243793	0.0183995751826392	0.0103122591993972
LGG	ATF7IP	cg19789919	-0.0433954747620962	534	-1.00186584303644	0.316863857042575	0.00188316722982773	0.516108750289122
LGG	ATF7IP	cg21275967	0.0946527287278394	534	2.1930229386652	0.0287378862695679	0.00895913905562596	0.0956053337519145
LGG	ATF7IP	cg26637901	-0.190484322125737	507	-4.36044139131821	1.57390171070779e-05	0.0362842769757015	0.000194454907857409
LGG	ATM	cg01756564	-0.0523953371360435	534	-1.21016727077438	0.2267521302129	0.00274527135359966	0.416282129033211
LGG	ATM	cg01800843	0.0191010451883728	534	0.440648391117297	0.659646560215706	0.00036484992728826	0.801912119028945
LGG	ATM	cg01991180	-0.0198713293358075	534	-0.458425216866335	0.646834184913161	0.000394869729572124	0.792929686314377
LGG	ATM	cg02105423	-0.00619414337081367	534	-0.142871433118413	0.886445814677162	3.8367412098195e-05	0.939767317316644
LGG	ATM	cg03165700	-0.0613034558574753	534	-1.41663632977042	0.157174561151244	0.00375811370006942	0.325853317982607
LGG	ATM	cg03569616	-0.100784297941468	534	-2.33210315095814	0.0200688970600139	0.0101574747115545	0.0730336238895412
LGG	ATM	cg04709886	-0.03702114278637	534	-0.854483056086049	0.393222006753394	0.0013705650132088	0.590045382172934
LGG	ATM	cg04826772	0.0443760592675612	534	1.02454864788268	0.306041839118542	0.00196923463611811	0.50454817873242
LGG	ATM	cg05033322	-0.0949491562965548	534	-2.1999532944333	0.0282394422747875	0.0090153422814276	0.0944032990556837
LGG	ATM	cg05637308	0.0232575198039782	534	0.536582747586836	0.591780170554752	0.000540912227432439	0.754295980668432
LGG	ATM	cg06053805	0.0183693291909845	534	0.423363918767041	0.672201185321644	0.000337432254926754	0.810219996450559
LGG	ATM	cg06081482	-0.0461168960665885	534	-1.06382365560792	0.287892122627984	0.00212676810281653	0.485408868586692
LGG	ATM	cg06750635	-0.00760930984213443	534	-0.175514765479421	0.860741952536662	5.7901596273604e-05	0.926007930406676
LGG	ATM	cg09808176	0.0372384524034163	534	0.859505712573424	0.390448697752692	0.0013867023374015	0.587797427133857
LGG	ATM	cg10610482	-0.0241236723430708	534	-0.556577496761577	0.578050172763527	0.000581951567315837	0.744388442403906
LGG	ATM	cg10976287	-0.0383956665640406	534	-0.886254367124503	0.375880905616742	0.00147422721089698	0.574394577896378
LGG	ATM	cg11588932	0.0673221194577631	534	1.55632395698433	0.120225738829073	0.00453226776828532	0.271057560541049
LGG	ATM	cg12019961	-0.1170453193935	522	-2.68751637920831	0.00742917780696127	0.0136996067919263	0.0339329179376905
LGG	ATM	cg12106634	-0.0294658309130236	534	-0.679928311757631	0.496845607181729	0.000868235191394899	0.681436538452519
LGG	ATM	cg12848864	0.017413589068459	534	0.401707521983026	0.688060609139087	0.000303233084245155	0.820688753645394
LGG	ATM	cg14761454	-0.148685202650197	534	-3.46473006982471	0.000573672593466453	0.0221072894871302	0.00421180499585968
LGG	ATM	cg15370815	0.0163622379157201	534	0.377447594955123	0.705991530423365	0.000267722829610629	0.832306032227326
LGG	ATM	cg15504467	-0.0292846882227717	534	-0.67574481914039	0.499496300100638	0.000857592964304942	0.683635031140553
LGG	ATM	cg16693212	-0.116174249157764	534	-2.69784109362391	0.00720064044255245	0.0134964561673701	0.0331439989705933
LGG	ATM	cg16788234	-0.00109036614105111	534	-0.025149446495635	0.979945190474496	1.1888983215507e-06	0.989664496271231
LGG	ATM	cg17114932	-0.0436949545347636	534	-1.00879307519797	0.313532479656586	0.00190924905179505	0.512568923621206
LGG	ATM	cg17420659	-0.0294327974790204	534	-0.679165399214313	0.497328433249025	0.00086628956744103	0.68178349756242
LGG	ATM	cg18042593	-0.0500269323158851	534	-1.15532407367025	0.24847636906853	0.00250269395693815	0.441827900692964
LGG	ATM	cg18391757	0.0243087095397388	534	0.560849159842822	0.575136502293855	0.000590913359487386	0.742128233333579
LGG	ATM	cg18457775	-0.0643451384811397	534	-1.48721061444674	0.137551621337703	0.00414029684615704	0.29761342873996
LGG	ATM	cg19288979	0.0417205901923394	534	0.963129215866802	0.335920249527613	0.00174060764599713	0.535503686306376
LGG	ATM	cg20342375	-0.0270913455743569	534	-0.625094710645719	0.532176920561764	0.000733941005029228	0.709676300912664
LGG	ATM	cg22477592	-0.0291919219071425	534	-0.673602405787345	0.500856659587617	0.000852168304632705	0.684677777745819
LGG	ATM	cg22678707	-0.038328191690518	534	-0.884694608887419	0.376721025436772	0.0014690502782651	0.575235125905546
LGG	ATM	cg22837512	0.00601648548619731	534	0.138773502630124	0.889681647015348	3.61980976056229e-05	0.941510125344532
LGG	ATM	cg23275463	-0.0923318429977072	534	-2.13677069093192	0.0330730137948553	0.00852516923135324	0.106159516222024

LGG	ATM	cg23389069	-0.0630022887608618	534	-1.45604828852302	0.145969147306881	0.00396928838910701	0.309989185564302
LGG	ATM	cg24030675	0.0551135079187798	534	1.27313500330486	0.203526176837227	0.0030374987551134	0.387358635615313
LGG	ATM	cg24568245	-0.0468634274673626	534	-1.08209971778336	0.279698455187052	0.00219618083398876	0.476770709120064
LGG	ATM	cg25400013	-0.0428239478852599	534	-0.988646669952437	0.323285473473171	0.00183389051247946	0.522710024595167
LGG	ATM	cg25740661	-0.0650982140927303	534	-1.50469011356062	0.132997204775455	0.00423777747806295	0.290704273185731
LGG	ATM	cg25918541	0.0345079134191556	534	0.796403661464464	0.426152692242012	0.00119079608854394	0.620808165639571
LGG	ATM	cg27453365	-0.102603077586826	534	-2.37910886763782	0.0177063071993302	0.0105273915302883	0.0663061741727494
LGG	ATM	cg27599391	-0.0904764780822501	534	-2.09347523936937	0.0367805103229083	0.00818599308616789	0.115083994114698
LGG	ATR	cg00911981	-0.132680921411316	534	-3.08760014319994	0.00212303297611168	0.0176042269065559	0.01246578816089
LGG	ATR	cg00969988	-0.132391329290912	534	-3.07784392868087	0.00219271067617422	0.0175274640714147	0.012791881090536
LGG	ATR	cg11458642	-0.00942987964349535	534	-0.217511025538875	0.827893511702053	8.8922630090808e-05	0.907472634973645
LGG	ATR	cg11936145	-0.062238841510691	534	-1.43833519454759	0.150926969445678	0.00387367339259291	0.317004499731549
LGG	ATR	cg15135999	-0.00728079337663407	534	-0.167936861931296	0.866696771475352	5.30099521932386e-05	0.929176520750106
LGG	ATR	cg15291273	-0.0389751032508645	534	-0.899649205407222	0.368713993823162	0.00151905867341555	0.567505981969911
LGG	ATR	cg15480357	-0.0415300882091905	534	-0.958723819076782	0.338133389332619	0.00172474822666314	0.537577636101974
LGG	ATR	cg16031872	0.102820755809044	534	2.38421015570851	0.0174653663721942	0.0105721078251431	0.0656091897995305
LGG	ATR	cg17945282	-0.036792643445797	534	-0.849201903495112	0.396150917687068	0.00135369861172955	0.592816613906586
LGG	ATR	cg20032934	-0.081128332766207	534	-1.87742377141642	0.0610069464397019	0.00658180637742441	0.166613108349313
LGG	ATR	cg20636078	0.00198292911655919	534	0.0457365982334489	0.963537355749798	3.93200788129819e-06	0.980848524007796
LGG	ATR	cg24631870	-0.014516553575358	534	-0.334861410119743	0.737861619755332	0.000210730327706239	0.852429913168073
LGG	ATR	cg24856922	-0.0448345282166003	534	-1.03515493001989	0.301066864629774	0.00201013492040513	0.499449730605379
LGG	AURKB	cg02245743	-0.0439649196732964	534	-1.01408340955875	0.311004794466473	0.0019329141618794	0.509916361282473
LGG	AURKB	cg04612488	-0.0776405809462775	534	-1.79452277562383	0.0732984422122757	0.00602805980967547	0.19069669513517
LGG	AURKB	cg05617798	-0.0753175552258619	534	-1.74215726548134	0.0820588317973038	0.00567273412520076	0.206718848510069
LGG	AURKB	cg05811247	-0.0419229798742382	534	-0.96780963337855	0.333579215071103	0.00175753624153578	0.533182119956067
LGG	AURKB	cg11009596	-0.085772334616783	534	-1.98566729064348	0.0475831734409246	0.0073568933856134	0.139200159209755
LGG	AURKB	cg12844497	-0.0101963160371849	534	-0.235191532012978	0.814150579333681	0.000103964860730154	0.900030270547305
LGG	AURKB	cg13678641	-0.143673724963366	534	-3.34859374032783	0.000869754136568013	0.0206421392448489	0.00597612200142837
LGG	AURKB	cg21724796	-0.0771300257785894	534	-1.78432914111755	0.074939984933851	0.00594904087660587	0.193774392931784
LGG	BAP1	cg00794529	-0.114053957654899	534	-2.64794784526503	0.00833852351137536	0.0130083052567454	0.0370932695587794
LGG	BAP1	cg02503646	-0.0706459790883355	534	-1.6335398303757	0.102947138129287	0.00499085436134953	0.243205192735322
LGG	BAP1	cg03075736	-0.031155873920779	534	-0.718963161715595	0.472479286146279	0.000970688479767478	0.660537892930139
LGG	BAP1	cg05442719	0.0528820470817173	534	1.22144011721383	0.222460415376809	0.00279651090355297	0.411070915767778
LGG	BAP1	cg05908979	-0.0999231583026388	534	-2.31633303878126	0.0209191847155582	0.00998463756517422	0.0753838732519054
LGG	BAP1	cg09096430	-0.00757322668389719	534	-0.1746824309705	0.861395630602678	5.73537624056924e-05	0.926352474973454
LGG	BAP1	cg10449522	-0.0304767124455073	534	-0.703275875658475	0.48219149573899	0.00092883000148614	0.669264486779764
LGG	BAP1	cg10956904	-0.0939870457081579	534	-2.17746168308477	0.029884832259725	0.00883356476094737	0.098385977182101
LGG	BAP1	cg11234564	0.0138395613863021	534	0.319241790146923	0.749668482279527	0.000191533459365225	0.859741573701293
LGG	BAP1	cg12859382	-0.0382008185487823	534	-0.881750267253699	0.378310074884039	0.00145930253779699	0.57690543704726
LGG	BAP1	cg16841708	-0.0429541327859786	534	-0.991657705232537	0.321815340939713	0.00184505752339548	0.521275587337622
LGG	BAP1	cg24291822	-0.0989980935589199	534	-2.29467573371181	0.0221402304579034	0.00980062252830065	0.0786114599836668
LGG	BAP1	cg24747396	0.0135069735526085	534	0.311275492997012	0.755713360502486	0.000182438334550865	0.863744484982858
LGG	BAP1	cg25749966	-0.115008672871728	534	-2.66789800617322	0.00786591324887841	0.013226994835716	0.0354558392348802
LGG	BAZ1A	cg05294307	-0.00642045178976513	528	-0.147254105803369	0.882987879859576	4.12222011846982e-05	0.93786761001864
LGG	BAZ1A	cg07414384	-0.12704447428312	534	-2.95423480462291	0.00327318533385562	0.0161402984458744	0.0176608530907175
LGG	BAZ1A	cg23422263	-0.122607930101688	534	-2.84946594864873	0.00454896140524063	0.0150327045238205	0.0229821566203173
LGG	BAZ1A	cg26967526	0.0731158598079673	534	1.69095237232939	0.0914316026914214	0.00534592895545833	0.223349370362729
LGG	BAZ1B	cg00525989	0.100269245087995	534	2.32443706271307	0.020477644139403	0.0100539215105164	0.0741619268309117
LGG	BAZ1B	cg04742505	0.0970111702525945	534	2.24817878780698	0.0249734320341125	0.00941116715377788	0.086135365624551
LGG	BAZ1B	cg05166819	0.0134041202369649	534	0.309195489211048	0.757293880501363	0.000179670439327013	0.864631994933965
LGG	BAZ1B	cg06059318	0.120606202621486	534	2.80225239938691	0.00525968854487505	0.014545856110775	0.0258136528080253
LGG	BAZ1B	cg06394887	0.0977692240246448	534	2.26591513488811	0.0238575667306499	0.00955882116638119	0.0832164079381329
LGG	BAZ1B	cg14093368	0.104688595533165	534	2.4279972812695	0.0155130571222336	0.0109597020347066	0.0599306135852929
LGG	BAZ1B	cg15636799	0.0167614970742436	534	0.386660347877697	0.699162281930917	0.000280947784169878	0.82743787878489
LGG	BAZ1B	cg19160975	0.141927216892053	534	3.30704593403772	0.00100653625274186	0.0201433348947238	0.00675137793117781
LGG	BAZ1B	cg20612831	0.0194790208792425	534	0.449371316219786	0.65334683345374	0.000379432254413966	0.797615673488384
LGG	BAZ1B	cg21340129	-0.0326268123530724	534	-0.752942375085732	0.451817591723251	0.0010645088843226	0.642407751773196

LGG	BAZ1B	cg25710357	0.146250722380742	534	3.40995658947726	0.000699051669379312	0.0213892737968889	0.00498003897140057
LGG	BAZ2A	cg14634319	0.0143034914495443	534	0.32994557441561	0.74157096529658	0.000204589867647186	0.854587320746039
LGG	BAZ2A	cg18206859	0.0355198983636727	534	0.819788213992924	0.412703973029821	0.00126166317976564	0.60833114572412
LGG	BAZ2A	cg18955060	-0.0733332726609807	534	-1.69600763069079	0.0904694715965326	0.00537776887916973	0.221601766064523
LGG	BAZ2A	cg25683012	0.161950517857466	534	3.78538022710804	0.000170939447395998	0.0262279702343013	0.00152212539849128
LGG	BRD7	cg03021120	-0.0775310579684429	534	-1.79366259500227	0.0734348326966142	0.00601106494970605	0.190967386755822
LGG	BRD7	cg16433860	-0.00220898895747517	534	-0.0509507311566042	0.959383904353587	4.87963221424725e-06	0.978772132968971
LGG	BRD7	cg16834187	0.0673358590236514	534	1.55664302895303	0.120149922555183	0.00453411791045305	0.270941592998373
LGG	BRD8	cg01096096	-0.0260252538761154	534	-0.60047912959504	0.548442678092327	0.000677313839316257	0.721628267700333
LGG	BRD8	cg03204906	-0.0512830689835164	534	-1.18440890153474	0.236780113264756	0.0026299531643681	0.428114910317446
LGG	BRD8	cg03684156	-0.0633758871636021	534	-1.4647172516892	0.143588758415512	0.00401650307377362	0.306573099442902
LGG	BRD8	cg07430605	-0.0390208638868115	534	-0.900707092606633	0.368151626856287	0.00152262781847307	0.567016188074798
LGG	BRD8	cg07632946	-0.0351993957492011	534	-0.811618019129508	0.417374509756724	0.00123899746110888	0.612833974638725
LGG	BRD8	cg08976717	-0.0913482919321717	534	-2.1158059646375	0.0348253025595021	0.00834451043892526	0.110442973182079
LGG	BRD8	cg11110536	-0.0921639325529588	534	-2.13485892775772	0.0332288215524757	0.00849419046362634	0.106544281478238
LGG	BRD8	cg11346339	-0.0935837279582705	534	-2.1680350111279	0.0305986495819697	0.00875791413856757	0.100153737470073
LGG	BRD8	cg12964860	-0.0736460807546754	534	-1.7032814347971	0.0890994503148959	0.00542374521052417	0.219271855929803
LGG	BRD8	cg14473243	-0.070101560403221	534	-1.62088888110145	0.105633989520796	0.00491422877096644	0.247699860766241
LGG	BRD8	cg22106577	-0.102287333315857	534	-2.37171001589959	0.0180609552154668	0.0104626985568692	0.0673134647646254
LGG	BRD8	cg22818036	-0.0330493048657197	534	-0.762703001626529	0.445978580692852	0.00109225655210728	0.637894752733452
LGG	BRD8	cg23298160	-0.0237623739961754	534	-0.548236933980166	0.583759193815197	0.000564650417934114	0.748668559621316
LGG	BRD8	cg26008208	0.0275056309038995	534	0.634660945093145	0.525922401627526	0.000756559731421552	0.704702320304037
LGG	BRD8	cg26630792	-0.00809069987336964	534	-0.186619113538502	0.852030421377908	6.54594244409436e-05	0.921158132757143
LGG	BRD8	cg27119451	-0.0737596916239077	534	-1.70592338150151	0.088606008184402	0.00544049210845395	0.218479106202769
LGG	BRD9	cg02364331	-0.0531652382243224	534	-1.22799960002892	0.219990140208537	0.00282654255544895	0.408134908122267
LGG	BRD9	cg02822723	0.0420696310875477	534	0.971201130346904	0.3318894798852	0.00176985385984236	0.531605382107339
LGG	BRD9	cg05193570	-0.107558245404375	534	-2.49532028517969	0.0128862701646519	0.0115687761544677	0.0520009597047893
LGG	BRD9	cg07308931	-0.151394672602775	534	-3.5326566130961	0.000447178001229934	0.0229203468925013	0.00341156864054932
LGG	BRD9	cg09497020	-0.0777676875746576	534	-1.7991702231198	0.0725583427069388	0.00604781323070955	0.189238424049336
LGG	BRD9	cg10551270	-0.0843016611239724	534	-1.95137471674041	0.051536919491914	0.00710677006826108	0.147540410500992
LGG	BRD9	cg10600960	-0.0943817348385503	534	-2.1866877270177	0.0292001546373399	0.00890791187113442	0.0967818709939518
LGG	BRD9	cg13722821	-0.198676600437268	534	-4.67571046220951	3.7181213032669e-06	0.0394723915613098	5.47609861163092e-05
LGG	BRD9	cg17977043	-0.169911261878823	534	-3.97685045107803	7.94971904939936e-05	0.028869836913254	0.000790339225212746
LGG	BRD9	cg20079193	0.0784204235335082	534	1.81436444550184	0.0701847608059998	0.00614976282717481	0.184732483493773
LGG	BRD9	cg21160852	0.00306275860225059	534	0.0706432419205409	0.943708241238525	9.38049025565996e-06	0.969966691138751
LGG	BRD9	cg21758832	-0.140208996960679	534	-3.26620183645306	0.00116023831367108	0.0196585628287198	0.00759829373522613
LGG	BRD9	cg21910709	0.0794027947601139	534	1.8372362664232	0.066732606202982	0.00630480381571677	0.17797649446175
LGG	BRD9	cg24953233	-0.086857143970694	534	-2.01097080638162	0.0448325187157851	0.00754416345874587	0.133206670873458
LGG	BRD9	cg25523559	-0.0303534582553785	534	-0.700429052944234	0.483965598576475	0.000921332428061003	0.670760445665225
LGG	BRD9	cg25951128	-0.211738012105216	534	-4.99706489502307	7.91056500950677e-07	0.0448329857702685	1.38821225885308e-05
LGG	BRD9	cg26504197	-0.170382515661419	534	-3.9882096646841	7.58913600107288e-05	0.0290302016431137	0.000760027350756261
LGG	BRDT	cg00308185	0.0110743149108691	534	0.25544612429959	0.798477278786161	0.000122640450745097	0.889937412081701
LGG	BRDT	cg01515515	0.0535167900374033	534	1.2349805819062	0.217383903666167	0.00286404681590751	0.404873552199139
LGG	BRDT	cg02935097	0.0252108858641353	534	0.581677121694568	0.561030567949217	0.000635588766054456	0.731586590460064
LGG	BRDT	cg03421440	0.0537326890405039	534	1.24114421155686	0.215099468352187	0.00288720187152348	0.402120684425301
LGG	BRDT	cg06442199	0.0392884311707622	534	0.906892784911243	0.36487407647108	0.00154358082385972	0.56380998917452
LGG	BRDT	cg09250199	0.0286618391546961	534	0.660738746387351	0.509066416604324	0.00082150102372967	0.691574336639368
LGG	BRDT	cg13299824	-0.0441916618759483	534	-1.02028295718099	0.308058024237804	0.00195290297935815	0.506628880569006
LGG	BRDT	cg14732540	0.0365401941048618	534	0.843367365592276	0.399402047962438	0.00133518578522098	0.596019315171201
LGG	BRDT	cg19245011	0.0284767703409528	534	0.657086751449824	0.511409294016545	0.000810926449051368	0.693583383647477
LGG	BRPF1	cg04879506	-0.00424987824648465	534	-0.0980248590349109	0.921949474333766	1.80614651099435e-05	0.959057250298473
LGG	BRPF1	cg13694772	0.0891854944647714	534	2.06530476456051	0.0393779814764573	0.00795405242292576	0.121105779441768
LGG	BRPF1	cg14712964	0.0328272319491054	534	0.757572514912117	0.449042356580197	0.00107762715744037	0.6402734325278
LGG	BRPF1	cg17738494	-0.0440697222340462	534	-1.01746216777589	0.309396104456814	0.00194214041778599	0.508013266428447
LGG	BRPF1	cg20952324	0.145768986219737	534	3.39848025332295	0.000728390712199628	0.0212485973435297	0.00515459174609823
LGG	BRPF1	cg25467642	-0.0295832262281617	534	-0.682639593757719	0.495131741635862	0.000875167274066592	0.680027093380728
LGG	BRPF1	cg26227975	-0.0408972794278248	534	-0.944090737491626	0.345551833977449	0.00167258746459758	0.544853111947663

LGG	BRPF3	cg01499736	-0.0589884481139044	534	-1.36294929127008	0.1734750861081	0.00347963701088679	0.348437191105149
LGG	BRPF3	cg05882415	0.0157200798345917	534	0.362630418919377	0.717025002542258	0.000247120910005937	0.839217100933884
LGG	BRPF3	cg10562781	0.0825971896300074	534	1.91164658828041	0.056458481075089	0.00682229573477541	0.157520032878653
LGG	BRPF3	cg14654948	-0.0490707278672566	534	-1.13318762550875	0.257645890646746	0.00240793633342236	0.452170362525156
LGG	BRPF3	cg18779695	0.0579330494856738	534	1.33848105743673	0.181311396862397	0.00335623822270952	0.358575828948375
LGG	BRPF3	cg23517469	0.0546075521229669	534	1.26141218614109	0.207713202586249	0.00298198474886255	0.392757787224603
LGG	BRWD3	cg03164831	-0.0108841728918036	534	-0.25105968169249	0.801864905768123	0.000118465219538672	0.891900188572964
LGG	BRWD3	cg05835545	-0.0298301324575178	534	-0.688342063757592	0.491537435929561	0.000889836802433056	0.67716450038276
LGG	BRWD3	cg09523186	-0.0213813180881961	534	-0.493275544419073	0.622021459531103	0.000457160763188623	0.776059764289379
LGG	BRWD3	cg11957438	0.0264162013717629	521	0.602012663902649	0.547428605874921	0.000697815694913527	0.720769730989297
LGG	BRWD3	cg15511898	-0.040993858021474	534	-0.946323948593081	0.344412998254763	0.00168049639548477	0.543650369008828
LGG	BRWD3	cg22618269	0.00910945023521519	532	0.209723995285058	0.833963687965756	8.29820835878621e-05	0.910930359607532
LGG	BRWD3	cg25063710	-0.0332514607019452	534	-0.767373448071071	0.443199938599777	0.00110565963881301	0.635401767934566
LGG	BRWD3	cg25708850	-0.0449941255429303	526	-1.03100676088159	0.303013281034101	0.00202447133337297	0.501387740918118
LGG	CARM1	cg12317676	0.0415432590612762	534	0.959028394312231	0.337980078326605	0.0017258423734323	0.537432745607177
LGG	CARM1	cg17918830	-0.0801038899478115	534	-1.85356263592267	0.06435514404548	0.0064166331847711	0.173275328829615
LGG	CARM1	cg22378614	-0.0473304725468334	534	-1.0929081128787	0.274928788525475	0.00224017363150655	0.471398253830659
LGG	CARM1	cg26504915	-0.0782127038617241	534	-1.80952894583625	0.0709331129853153	0.00611722704536175	0.186147975697599
LGG	CBX1	cg01544580	0.153688373091948	534	3.58746289459101	0.000364725508494406	0.0236201160236498	0.00287821629212962
LGG	CBX1	cg01553295	0.0485880869825593	534	1.12201551991778	0.262361992262859	0.00236080219662475	0.457747394961135
LGG	CBX1	cg02835499	-0.0341229908745503	534	-0.787509669561327	0.43133427930956	0.00116437850622464	0.625295248581106
LGG	CBX1	cg04864609	-0.0452676159456748	534	-1.04517464145899	0.29641691909635	0.00204915705340511	0.494371361893952
LGG	CBX1	cg11729481	-0.00966427353690076	534	-0.222918089307988	0.823684819030691	9.33981829960403e-05	0.905100366042642
LGG	CBX1	cg12245530	-0.0198434916332486	534	-0.457782756810087	0.647295433539232	0.000393764160198807	0.793265504446368
LGG	CBX1	cg13342109	-0.072747010321363	534	-1.68237648098654	0.09308264022257	0.0052921275106965	0.22624729467833
LGG	CBX1	cg17778721	0.0272105807055094	534	0.627847927719862	0.530372969901549	0.000740415702331043	0.708262549489677
LGG	CBX1	cg21511817	-0.08639438171505	534	-2.00017585663641	0.0459890996502704	0.00746398919192577	0.135744271444572
LGG	CBX4	cg04398978	0.107626803029056	534	2.49692943601596	0.0128286333585665	0.0115835287302553	0.0518275188770419
LGG	CBX4	cg04925705	-0.0442270199170882	534	-1.02110089159168	0.307670744967293	0.00195602929074652	0.506165279146529
LGG	CBX4	cg05949524	-0.0866303263733765	534	-2.00567962247478	0.0453963101225065	0.00750481344755773	0.134458806383791
LGG	CBX4	cg07159673	0.203360625929236	534	4.79064405120565	2.15910631544974e-06	0.0413555441783304	3.37687005838555e-05
LGG	CBX4	cg10756274	-0.0206921888277983	534	-0.477370133688618	0.633294630218666	0.000428166678485263	0.784011878980107
LGG	CBX4	cg21365914	0.0161175849177754	534	0.371802409787527	0.710188010105285	0.000259776543581699	0.834954592503654
LGG	CBX4	cg22353329	0.132912268450758	534	3.09308051977731	0.00208490171686802	0.0176656711047265	0.0122991217067767
LGG	CBX4	cg27487227	-0.0124345880948345	534	-0.286827506430865	0.774356074165636	0.000154618981088199	0.874949258295447
LGG	CBX5	cg03689456	-0.183429267612533	534	-4.30384270378305	1.99838178792329e-05	0.0336462962168703	0.000239209282673802
LGG	CBX5	cg05754589	-0.0680769740405053	534	-1.57385515977208	0.116115418394351	0.00463447439451163	0.264666945753594
LGG	CBX5	cg06399839	-0.150412464683402	534	-3.50920539643851	0.000487535997699248	0.0226239095321355	0.00366873432046965
LGG	CBX5	cg06621757	0.074514202316764	534	1.7234707353387	0.0853844491567945	0.00555236634690364	0.212722771433612
LGG	CBX5	cg08288469	0.112297130978406	534	2.60663520629038	0.00940008532437714	0.0126106456259814	0.0406058214073294
LGG	CBX5	cg09060496	-0.137003206142442	534	-3.1900765965191	0.00150619291470737	0.0187698784933085	0.00943192237034093
LGG	CBX5	cg09158487	-0.203463534516308	534	-4.79317297246915	2.13317123110299e-06	0.0413974098778687	3.34168189191353e-05
LGG	CBX5	cg09653879	-0.0863787362085539	534	-1.99981091354438	0.0460286363484497	0.00746128606898694	0.135807002820353
LGG	CBX5	cg11005091	-0.147899565383795	534	-3.44925557408186	0.00060671906360552	0.0218742814407156	0.00441401878183184
LGG	CBX5	cg11338003	-0.201103868594526	534	-4.73077446195563	2.87102296742386e-06	0.0404427659636844	4.34699028275149e-05
LGG	CBX5	cg12263485	0.134889028504867	534	3.13992904592827	0.00178374303968659	0.0181950500109868	0.0108299778373042
LGG	CBX5	cg12600134	0.132089442473327	534	3.0735909406675	0.00222343940286048	0.0174476208129143	0.0129381587931878
LGG	CBX5	cg13445218	-0.0672305904500657	534	-1.55419841465104	0.120731758479625	0.00451995229226446	0.271773095840851
LGG	CBX5	cg14017196	-0.0924787018788547	534	-2.14019863596292	0.0327936821273294	0.00855231030119808	0.105467431783598
LGG	CBX5	cg14394617	0.11447778989449	534	2.65791822052537	0.00809900933015487	0.013105164379127	0.0362683819842314
LGG	CBX5	cg15708001	-0.0810374478309958	534	-1.8753066550933	0.061298049563839	0.00656706795096136	0.167226135073969
LGG	CBX5	cg20545544	-0.143128413284405	534	-3.33561787138509	0.000910495755455135	0.0204857426893114	0.00620721918769326
LGG	CBX5	cg20927027	0.199751639301416	534	4.70205923239462	3.28576839370173e-06	0.039900717403603	4.90431823521934e-05
LGG	CBX5	cg21826008	0.094444900226185	534	2.18816434409744	0.0290918390057812	0.00891983917873403	0.0965392877880709
LGG	CBX5	cg24505978	0.0699063072648995	534	1.61635203431974	0.106611022355904	0.00488689179541453	0.249262687912673
LGG	CBX5	cg25817259	0.00259619636491878	534	0.0598817959820108	0.952272265837537	6.74023556521749e-06	0.974844880202031
LGG	CBX6	cg03028106	-0.133823205981908	526	-3.09115747811837	0.00209982668112399	0.0179086504592761	0.0123603145302179

LGG	CBX6	cg04134624	0.0150057326443484	534	0.346148075623105	0.729368285678334	0.000225172012193664	0.846923344917014
LGG	CBX6	cg04215348	-0.00924994269226557	534	-0.213360214090152	0.83112774863745	8.55614398101972e-05	0.909502163781376
LGG	CBX6	cg04801716	0.0820201395256043	534	1.89820044579218	0.058210633180931	0.0067273032877996	0.161045485176477
LGG	CBX6	cg06060673	0.00984807536672201	534	0.227158106892361	0.82038806629115	9.69845884286369e-05	0.903433733406759
LGG	CBX6	cg09913544	-0.00952725471053228	534	-0.219757296364625	0.826144474170593	9.07685823193595e-05	0.906480960323282
LGG	CBX6	cg14498989	-0.0159846278218951	534	-0.368734552200707	0.712472284607212	0.000255508326604504	0.836430527559548
LGG	CBX6	cg24649346	0.0614802425022041	534	1.42073709745992	0.155979032585148	0.00377982021812983	0.324227998956019
LGG	CBX6	cg25836955	-0.0381274777024815	534	-0.880054948947859	0.379226906380376	0.00145370455595323	0.577728828249016
LGG	CBX7	cg00545295	-0.117347895025313	534	-2.72547455370346	0.00663243228947878	0.0137705284668719	0.0310428636981958
LGG	CBX7	cg01525244	0.00475557974960807	534	0.109689282620732	0.912697163254278	2.26155387548823e-05	0.953755969080574
LGG	CBX7	cg02523424	-0.0353841688920436	534	-0.81665168538565	0.414493041226746	0.00125203940818067	0.61004354483216
LGG	CBX7	cg03804568	-0.035854173138623	534	-0.82751305606095	0.408317357304601	0.00128552173145436	0.604269608198187
LGG	CBX7	cg10339854	-0.00649913058300335	534	-0.149906426478446	0.880895255561503	4.22386983349294e-05	0.936819760917998
LGG	CBX7	cg22268271	-0.0534179412858405	534	-1.23385314616274	0.217802437442589	0.0028534764512175	0.405352220536094
LGG	CBX7	cg26672614	-0.0101360558018288	534	-0.233801406638513	0.81522909750196	0.000102739627217787	0.900582672939429
LGG	CBX7	cg27062573	-0.0101494780072064	534	-0.233890906598462	0.815159818446374	0.000103011903818766	0.900551269806447
LGG	CDYL2	cg01442398	-0.0776938303463679	534	-1.79745114022889	0.0728309927643275	0.0060363312738902	0.189809522650188
LGG	CDYL2	cg02461391	-0.0783664935606512	534	-1.81310898854429	0.0703784307936016	0.00614130731299158	0.185123140512513
LGG	CDYL2	cg06919916	-0.0869923353338205	534	-2.01412469019105	0.0444992884482585	0.00756766640683188	0.132475176541778
LGG	CDYL2	cg10112854	-0.0193118370632899	534	-0.445513023632285	0.656130284200319	0.000372947050759056	0.799574963513874
LGG	CECR2	cg03927893	0.0345906272618847	534	0.798314887590736	0.425043995336118	0.00119651149437064	0.619942489700919
LGG	CECR2	cg12632097	0.0338648621221722	534	0.781545562442708	0.434829356551629	0.00114682888655373	0.628228964786035
LGG	CECR2	cg13466481	-0.0292508588814555	534	-0.674963537490957	0.499992159295614	0.000855612745302826	0.684000809626895
LGG	CECR2	cg26796679	-0.109047918113266	534	-2.53029330201525	0.0116840478257428	0.0118914484448376	0.0481383760489266
LGG	CHAF1A	cg03006338	-0.0220547760437191	534	-0.508819933875618	0.611089394149113	0.000486413146338605	0.768110526494391
LGG	CHAF1A	cg04346879	0.0225970780751539	534	0.521337556473454	0.602348590720206	0.000510627937534602	0.761738511387081
LGG	CHAF1A	cg05297461	0.0184199186927078	534	0.424929824684054	0.671059641867688	0.000339293404645967	0.80949044618285
LGG	CHAF1A	cg07783855	0.0192714291335228	534	0.444580489133813	0.656803754465482	0.00037138798084839	0.800065628129896
LGG	CHAF1A	cg09700233	-0.0482105736128042	534	-1.11327744125342	0.266092045499083	0.00232425940807561	0.461917360368538
LGG	CHAF1A	cg18804734	-0.00188438716171278	534	-0.0434637029581187	0.965348206067416	3.55091497522794e-06	0.981774803840441
LGG	CHAF1A	cg23811775	-0.0268312202325177	534	-0.619088339066277	0.536123173336049	0.000719914379165868	0.712346344882143
LGG	CHAF1A	cg24085258	-0.0823373241624817	534	-1.90559109004599	0.0572420408573451	0.0067794349502376	0.15907860273841
LGG	CHAF1B	cg00660452	-0.293059147218465	534	-7.05655094284047	5.36708075344072e-12	0.0858836637684137	2.67302612121106e-10
LGG	CHAF1B	cg02544117	0.00412932428824989	534	0.095154636354275	0.924227898592575	1.70513190775305e-05	0.960116350285809
LGG	CHAF1B	cg02908490	-0.261509774592985	534	-6.24922349434609	8.46156150977188e-10	0.068387362207674	2.84372713390064e-08
LGG	CHAF1B	cg04634639	-0.0610140670860232	534	-1.40992391608654	0.159146495975811	0.00372271638237774	0.328582035296644
LGG	CHAF1B	cg07872789	-0.2044631586031	534	-4.81774681671107	1.89629292319149e-06	0.0418051832259563	3.01032037509767e-05
LGG	CHAF1B	cg13854874	-0.327828413291482	534	-8.00371017386363	7.6226083442466e-15	0.107471468561211	5.79094915558906e-13
LGG	CHAF1B	cg25942896	-0.271756928560826	534	-6.51322685234489	1.70586043071833e-10	0.0738518282208139	6.52758024334982e-09
LGG	CHD1	cg03255775	0.0373876226248223	534	0.86295354033085	0.388551863282595	0.00139783432553612	0.586283213767407
LGG	CHD1	cg03833628	-0.0805858858619759	534	-1.86478845581844	0.0627614520487314	0.00649408500015941	0.170132566753049
LGG	CHD1	cg08865521	0.003882402308843	534	0.0895487701778374	0.928679498000402	1.50730476877095e-05	0.962262321920154
LGG	CHD1	cg11365324	-0.0326911633848126	534	-0.754429017555758	0.450925462462198	0.00106871216345251	0.641631830311388
LGG	CHD1	cg12662497	-0.0505578921260259	534	-1.16761733962428	0.243484187750406	0.00255610045622687	0.436151164011492
LGG	CHD1	cg16890600	-0.055819395820869	534	-1.28949182238292	0.197787479968215	0.00311580494980685	0.38019412538588
LGG	CHD1	cg21082921	-0.10198031350368	534	-2.36451629954363	0.0184117370290075	0.0103999843423088	0.0683001607188312
LGG	CHD4	cg00079216	-0.0589718324997134	534	-1.36256404157058	0.173596469265195	0.00347767702837425	0.348572999768127
LGG	CHD4	cg00824109	-0.198885215331862	534	-4.68082215177617	3.63018068923736e-06	0.039555328877601	5.36370524319429e-05
LGG	CHD4	cg04344119	0.107106825790039	534	2.48472568422907	0.0132715183069665	0.0114718721308178	0.053163980183942
LGG	CHD4	cg05147525	0.460351494100116	534	11.9608263160657	2.29036973695556e-29	0.211923498120209	6.10195285331237e-27
LGG	CHD4	cg11565429	0.15695830713804	534	3.66569849430576	0.000271417889112975	0.0246359101796392	0.0022452874591296
LGG	CHD4	cg19509514	-0.0938916509197809	534	-2.17523194067497	0.0300523662906148	0.00881564211244201	0.0988246093423547
LGG	CHD4	cg20308811	-0.132616672151018	534	-3.08607823460925	0.00213373528248421	0.0175871817324107	0.0125135169668735
LGG	CHRA1	cg00296189	-0.156120952280844	534	-3.64565250001185	0.000292914210077835	0.0243737517410776	0.0023966100188047
LGG	CHRA1	cg07270064	-0.174507452752899	534	-4.08775942556562	5.02857189347005e-05	0.0304528510663053	0.000532452323234802
LGG	CHRA1	cg08877624	-0.0414441679072554	534	-0.956736929064038	0.339134609241485	0.00171761905352478	0.538437109000341
LGG	CHRA1	cg12002314	-0.0252162032848335	534	-0.581799885715888	0.560947925067078	0.00063585690810205	0.731500316525886

LGG	CHRAc1	cg18770186	0.0391314478458581	534	0.903263578658174	0.366794825136605	0.00153127021051312	0.565695335846423
LGG	CHRAc1	cg19486048	-0.00584712007496651	534	-0.134866862014895	0.892768149644907	3.41888131710763e-05	0.943205658167095
LGG	CHRAc1	cg22610305	-0.0751868055794419	534	-1.73911570912111	0.0825928417308925	0.0056530557332408	0.207633786705867
LGG	CHRAc1	cg23548819	-0.0631730431485997	534	-1.4600103903824	0.144877472100814	0.00399083338065483	0.308470812179728
LGG	CLOCK	cg05960024	-0.231784453655597	534	-5.49580372913963	6.04128116865865e-08	0.0537240329564238	1.38350140487086e-06
LGG	CLOCK	cg06085476	-0.29584117736173	534	-7.13665466267095	3.1554471499508e-12	0.0875220022227748	1.65080602275234e-10
LGG	CLOCK	cg07236904	-0.141325363626498	534	-3.29273572736882	0.00105809649974923	0.0199728584041618	0.00703594829485355
LGG	CLOCK	cg07500410	0.0514110742623936	534	1.18737307425175	0.235610379809858	0.00264309855681335	0.426888276451105
LGG	CLOCK	cg11774413	-0.164763388565125	534	-3.85294592927955	0.0001309460404986	0.0271469742114622	0.00121300503388284
LGG	CLOCK	cg18928811	0.0962069319608528	534	2.22936616887077	0.0262062675233996	0.00925577375732015	0.0892596486740519
LGG	CLOCK	cg22523077	-0.134110259190965	534	-3.12146795926273	0.00189727816505529	0.0179855616202677	0.011393921381219
LGG	CLOCK	cg23506964	-0.0132848718959335	534	-0.306444276438663	0.759386295482565	0.000176487821291363	0.866060186928556
LGG	CREBBP	cg00039463	0.388470990585387	534	9.71468932578855	1.20952111448946e-20	0.150909710526392	1.6923288773488e-18
LGG	CREBBP	cg00747661	-0.145622003964023	534	-3.3949792068734	0.000737566913286957	0.0212057680384981	0.00520579572239571
LGG	CREBBP	cg03039399	0.000827470262847976	534	0.0190857117371076	0.984779885460832	6.84707035897699e-07	0.992010131295272
LGG	CREBBP	cg03264209	0.406926739377366	534	10.2750071060891	1.02870761717362e-22	0.165589371220295	1.72472587005183e-20
LGG	CREBBP	cg08506924	0.163572251321903	534	3.82432289352088	0.000146668981162745	0.0267558814025158	0.00133621814270695
LGG	CREBBP	cg24567591	0.259427040809581	534	6.19584616047196	1.16201937001121e-09	0.0673023895032159	3.8014354445186e-08
LGG	CTCF	cg01866162	-0.0391193279131881	534	-0.902983387767497	0.366943377891815	0.00153032181637954	0.565804985723378
LGG	CTCF	cg04487155	-0.0865348334079032	534	-2.00156823444367	0.0458394738197122	0.00748827739293357	0.135405377670515
LGG	CTCF	cg06241380	-0.0136745306059736	534	-0.315137653466151	0.752780943497854	0.000186992787293709	0.861647034774841
LGG	CTCF	cg07967402	0.0681132970987365	534	1.57469881684022	0.115920444744404	0.00463942124166075	0.264385208550417
LGG	CTCF	cg08324636	0.129656559268384	534	3.01600296446992	0.00268370859858641	0.0168108233613159	0.015067582759702
LGG	CTCF	cg10218542	0.0418274975422229	534	0.965601515962794	0.334682345035296	0.00174953955064466	0.534256651487261
LGG	CTCF	cg10481400	-0.0622499447537971	534	-1.43859278780415	0.150853959399427	0.00387505562185079	0.316914744067741
LGG	CTCF	cg23858565	0.145383573567838	534	3.38930039816962	0.000752680284596185	0.0211363834633549	0.00529852593067375
LGG	CXXC1	cg02159718	-0.0814700762394898	534	-1.88538492657027	0.0599225490291792	0.00663737332246828	0.16451834358989
LGG	CXXC1	cg07675399	-0.0447627172179926	534	-1.03349360163479	0.301842537472822	0.00200370085273797	0.500248478628703
LGG	CXXC1	cg11871295	-0.0307507396336358	534	-0.709605242859034	0.478259853674201	0.000945607988015659	0.665815086913579
LGG	CXXC1	cg13423076	-0.00835368945977946	534	-0.192685616498817	0.847278721811977	6.97841275904304e-05	0.918484468105304
LGG	CXXC1	cg15632775	-0.0473859206508402	534	-1.0941913449652	0.27436622794331	0.00224542547592772	0.470828013513817
LGG	CXXC1	cg20016845	-0.0807494918306547	534	-1.8685991835898	0.0622279517843897	0.00652048043090897	0.169063396001775
LGG	CXXC1	cg27419474	-0.0203065020703207	534	-0.468468609827418	0.639641397664806	0.00041235402633194	0.788281392315816
LGG	DAXX	cg00221327	0.030704742131532	528	0.704535928628939	0.481410896075365	0.000942781189363875	0.668658237949026
LGG	DAXX	cg02173004	-0.00716873827982784	534	-0.165352094717362	0.868729670723093	5.1390808524669e-05	0.930393953636283
LGG	DAXX	cg02328295	-0.0428767272236208	534	-0.989867392603202	0.322688929553737	0.00183841373740879	0.522092728790471
LGG	DAXX	cg03085224	-0.0717435875673088	534	-1.65749002947975	0.0980110810341766	0.0051471423570281	0.234663118243652
LGG	DAXX	cg03369465	0.0351499092340557	531	0.808947800859832	0.41890884385818	0.00123551611916235	0.614334356308618
LGG	DAXX	cg03382121	0.0944205039615928	534	2.18759402953276	0.0291336326354301	0.00891523156836117	0.096628514911134
LGG	DAXX	cg03902329	0.0615785656821335	534	1.42301787372569	0.155317101345348	0.00379191975146883	0.323227235693571
LGG	DAXX	cg04086445	-0.0569917310765027	534	-1.31542340134689	0.188935341531461	0.0032480574110964	0.368695245430791
LGG	DAXX	cg04152866	-0.0813901553997635	534	-1.88352305439694	0.0601747098044471	0.00662435739599765	0.165024862059901
LGG	DAXX	cg04271391	0.013533085319289	534	0.312170894571732	0.755032963871313	0.000183144398259157	0.863272110396898
LGG	DAXX	cg04488476	-0.02878898373172	534	-0.664296857381948	0.5067881434133	0.000828805584305237	0.689671596758405
LGG	DAXX	cg04973788	-0.0100298573417901	534	-0.231134014324471	0.817299722612834	0.000100598038296661	0.901785317024616
LGG	DAXX	cg05431670	-0.0392664448616494	531	-0.903825283785019	0.366499450167947	0.00154185369207295	0.565389430997963
LGG	DAXX	cg05532204	-0.069518516833412	534	-1.6073419984268	0.10857266769337	0.00483282418271739	0.252626132396304
LGG	DAXX	cg06171013	-0.0713146445892091	534	-1.64907997837246	0.0997215772794902	0.00508577853288521	0.237807013146976
LGG	DAXX	cg07689821	-0.00238310958695048	534	-0.0549151921492402	0.956226683702325	5.67921130341528e-06	0.976870632067481
LGG	DAXX	cg08375286	0.190096494568885	534	4.46603577085206	9.73700145481457e-06	0.0361366772473782	0.000127844774881999
LGG	DAXX	cg08567382	0.0264985128692424	534	0.611406210266358	0.541191856009523	0.000702171184281403	0.716267361581599
LGG	DAXX	cg09097215	-0.0894028912442991	534	-2.07037962360037	0.0388986683139216	0.00799287696283997	0.11999218854091
LGG	DAXX	cg09432361	-0.0370229544195485	534	-0.854524927688445	0.393198837582226	0.00137069915395196	0.590021996621949
LGG	DAXX	cg09615909	-0.00924071840665312	534	-0.213147427506036	0.831293625889247	8.53908766710577e-05	0.909618208816201
LGG	DAXX	cg11111423	-0.0868527998221111	534	-2.0108694634521	0.0448432612216762	0.0075434088369397	0.13321794255859
LGG	DAXX	cg12025215	0.00847615598630095	534	0.195510622326436	0.845067871827305	7.18452203041054e-05	0.91721025570874
LGG	DAXX	cg12832355	-0.106518249046276	534	-2.47091440512603	0.0137890469819077	0.0113461373798845	0.0547298531076798

LGG	DAXX	cg12923297	0.0339711905428724	534	0.784002278991184	0.433387693145059	0.00115404178690014	0.626910665306265
LGG	DAXX	cg13443893	0.0135981988686503	534	0.313673161406679	0.753892236374211	0.000184911012471362	0.862501430114082
LGG	DAXX	cg13826470	-0.0129194190875555	532	-0.29745218846064	0.766237856611274	0.000166911389559893	0.870378001594741
LGG	DAXX	cg14539675	-0.043054554332221	534	-0.99398038103421	0.320684293384274	0.00185369464874617	0.520093270780667
LGG	DAXX	cg14622330	-0.0115156155083549	534	-0.265626726216923	0.790629601607396	0.000132609400536265	0.88502549985844
LGG	DAXX	cg14746369	0.0611385678670215	534	1.41281168555511	0.158295854676841	0.0037379244808304	0.327402827894253
LGG	DAXX	cg14910283	-0.0200929446996403	534	-0.463539866012834	0.643167031408776	0.000403726426702803	0.790584882464517
LGG	DAXX	cg16922466	-0.0284247002002912	534	-0.655884287440389	0.512182126636002	0.000807963581476435	0.69406173981886
LGG	DAXX	cg17079757	0.135482605128099	534	3.15400403241105	0.00170142683457742	0.0183555362922965	0.0104253937593822
LGG	DAXX	cg17504991	0.0216821545182879	534	0.500219202642774	0.617127587905384	0.000470115824554914	0.772563441834718
LGG	DAXX	cg18187593	-0.12287721802917	534	-2.8558201626567	0.00446027981878168	0.0150988107105883	0.0226401545231829
LGG	DAXX	cg18279148	-0.00946166235896201	517	-0.214728900919897	0.83006368836463	8.95230545949986e-05	0.908724663279455
LGG	DAXX	cg18486541	0.0593612931125785	534	1.37159437651159	0.170767924190073	0.00352376311999747	0.344663758158016
LGG	DAXX	cg18944910	-0.0616180874776444	534	-1.42393466186212	0.155051632741006	0.00379678870440264	0.3228177898422
LGG	DAXX	cg18967278	-0.174171518505227	534	-4.0796438871931	5.20182698276391e-05	0.0303357178584168	0.000548929636865349
LGG	DAXX	cg20223162	-0.0810715347766702	532	-1.87257086119815	0.0616779979628165	0.00657259375104485	0.167985791881782
LGG	DAXX	cg20763184	0.0164899305635911	534	0.380394034285385	0.703804772350042	0.000271917809992057	0.830800642772147
LGG	DAXX	cg21286626	0.0730150400671276	534	1.6886082057473	0.09188054163382	0.00533119607600425	0.224151870793446
LGG	DAXX	cg24328964	-0.100049493589905	534	-2.31929122764587	0.0207570553798017	0.0100099011675964	0.0749280481748546
LGG	DAXX	cg24496586	0.00290812944163898	534	0.0670766532797139	0.946545880550717	8.45721684932743e-06	0.971509865183224
LGG	DAXX	cg24513883	-0.0849562395938899	531	-1.96108344816429	0.0503934799205527	0.00721756264593443	0.145116060593725
LGG	DAXX	cg24728112	-0.079427309697716	534	-1.83780709814463	0.0666482741704159	0.0063086975258169	0.177824736454825
LGG	DAXX	cg25642825	0.00228710723790584	534	0.0527525527345241	0.957948868392736	5.23085951768127e-06	0.977821031421732
LGG	DAXX	cg26521092	-0.042227227686686	533	-0.973929184039143	0.330535155972423	0.00178313875810322	0.530211186748019
LGG	DAXX	cg27052777	-0.111857803195472	534	-2.59630808403035	0.00968366334209141	0.012512168135717	0.0415470387179936
LGG	DAXX	cg27393652	-0.0830550479250037	534	-1.92231675763532	0.0550995900795888	0.00689814098582467	0.154828156425918
LGG	DIDO1	cg00080059	-0.00953197275410879	534	-0.219866133455852	0.826059751094985	9.08585045850722e-05	0.906433258247056
LGG	DIDO1	cg01488865	0.0519278918113172	534	1.19934143264526	0.230929099868085	0.00269650594796786	0.421355155153809
LGG	DIDO1	cg06646488	0.0957260169055485	534	2.21811878561409	0.0269682542531074	0.00916347031260136	0.0911835435012098
LGG	DIDO1	cg08610063	0.0790804683074736	534	1.82973118818795	0.0678495895016902	0.00625372046772934	0.180257187545061
LGG	DIDO1	cg13815390	-0.117352120899332	534	-2.72557407263963	0.00663046116422115	0.0137715202795714	0.0310355051630217
LGG	DIDO1	cg20969846	0.0313942940913795	534	0.724470431106637	0.469095458232607	0.000985601701496026	0.658014246159279
LGG	DIDO1	cg21212389	0.0160627782600897	534	0.370537796296949	0.711129304844671	0.00025801284543281	0.835534777319273
LGG	DIDO1	cg21687703	0.0291780167178722	534	0.673281270647146	0.501060739028918	0.000851356659588432	0.684896581308587
LGG	DIDO1	cg22394521	0.0094460385897675	534	0.217883783461631	0.827603207785741	8.92276450393769e-05	0.907357607029397
LGG	DMAP1	cg01604592	-0.111256071631129	534	-2.5821658942929	0.0100844033353285	0.0123779134747908	0.0429090451823305
LGG	DMAP1	cg11683482	-0.188670663762745	534	-4.43129672046153	1.13795966978695e-05	0.0355966193646748	0.000146640476048817
LGG	DMAP1	cg15990015	0.00318054044340471	534	0.0733599345464209	0.941547272445753	1.0115837512133e-05	0.968820809912768
LGG	DMAP1	cg18017761	-0.111712929309225	534	-2.5929029233385	0.00977883017022008	0.0124797785748479	0.0418599645432115
LGG	DMAP1	cg18167340	-0.0177372468280363	534	-0.409176189111299	0.682575044625833	0.000314609925038682	0.817027372932393
LGG	DMAP1	cg21437596	-0.162447342125131	534	-3.79730709914905	0.00016313048983628	0.0263891389635194	0.00146187919897749
LGG	DMAP1	cg23021241	-0.149292207195241	534	-3.48247107946766	0.000537689659301965	0.0222881631292268	0.00398599479280894
LGG	DMAP1	cg23451311	-0.00696535080519604	534	-0.160660585670271	0.872421721035111	4.85161118394451e-05	0.932384159665418
LGG	DMAP1	cg24485408	-0.0977549510814704	534	-2.26558115108751	0.0238781716018406	0.00955603046094068	0.083273343864867
LGG	DNMT1	cg04160663	0.0449838333602247	534	1.03860911637148	0.299458373514664	0.00202354526378046	0.497743843086674
LGG	DNMT1	cg04762346	0.0186241675382206	534	0.429643275229671	0.667629109680549	0.000346859616491709	0.807205083812399
LGG	DNMT1	cg06128182	-0.0021032437312831	534	-0.0485116872648406	0.961326656639688	4.42363419318166e-06	0.979764783527157
LGG	DNMT1	cg06716436	-0.0231703078246535	534	-0.534569565270008	0.593170865440791	0.000536863164689201	0.755264236245064
LGG	DNMT1	cg10635912	-0.018067293319192	534	-0.416792413958991	0.676998368535395	0.00032642708788172	0.813431116699758
LGG	DNMT1	cg11380607	0.00528337727290722	534	0.12186345908689	0.903053172059441	2.79140754078725e-05	0.948753520406081
LGG	DNMT1	cg13393778	-0.0672488578967485	534	-1.55462262926774	0.120630634062046	0.00452240888841707	0.271616195259705
LGG	DNMT1	cg15043801	-0.0378440493773961	534	-0.873503464312742	0.38278282905811	0.00143217207327879	0.581049530795656
LGG	DNMT1	cg21893394	-0.00863026282646576	534	-0.199065505989815	0.842287559148915	7.44814364538768e-05	0.915600061153227
LGG	DNMT1	cg23401624	-0.0242895135716305	533	-0.55987906488969	0.575798029329086	0.000589980469546424	0.742537688013101
LGG	DNMT1	cg24477899	-0.0428800393118919	534	-0.98994399750024	0.322651518222097	0.0018386977713894	0.522075631444107
LGG	DNMT1	cg27429799	0.0642487178343947	534	1.48497279748645	0.138143306763762	0.00412789774336366	0.298473319434252
LGG	DNMT3A	cg02208653	-0.0722504220661895	534	-1.67083170997557	0.0953430496049371	0.00522012348874253	0.230172462306833

LGG	DNMT3A	cg03463641	-0.121008425069408	534	-2.81173657520097	0.00510932245634623	0.0146430389377786	0.0252156715833914
LGG	DNMT3A	cg06112956	-0.0821260612536619	534	-1.90066843824608	0.0578856790553374	0.00674468993704022	0.160340342404519
LGG	DNMT3A	cg07150430	-0.221537921244063	534	-5.24000479953356	2.31850784982627e-07	0.0490790505491407	4.61648322675672e-06
LGG	DNMT3A	cg12066181	-0.0852233839113332	534	-1.97286556150318	0.0490281588172312	0.00726302516529848	0.142195003803739
LGG	DNMT3A	cg13076778	-0.113944389682514	534	-2.64537056915391	0.008401461078586	0.0129833239401206	0.0373144001048886
LGG	DNMT3A	cg13344237	-0.0519520204232595	534	-1.19990022179237	0.230712167286627	0.00269901242605877	0.421097610198861
LGG	DNMT3A	cg15990840	-0.0402436106589236	534	-0.928976483842459	0.353322576234829	0.00161954819886703	0.552352341194335
LGG	DNMT3A	cg15998962	-0.136304821953113	534	-3.17350629166844	0.00159315256914582	0.0185790044876699	0.00988260194275817
LGG	DNMT3A	cg21629895	-0.280311542896188	534	-6.73545127759212	4.25096197597402e-11	0.0785745610808414	1.79825631299034e-09
LGG	DNMT3A	cg21708767	0.00485444831200593	534	0.1119697773707	0.910889603275539	2.35656684139372e-05	0.952762968702081
LGG	DNMT3A	cg22731525	-0.286922111396491	534	-6.90836408715654	1.40512566593869e-11	0.0823242980082202	6.502697564309e-10
LGG	DNMT3A	cg25044635	-0.0260156709017596	534	-0.600257872421821	0.54858999198511	0.000676815132468659	0.72174885568222
LGG	DNMT3A	cg26470599	-0.103053040941289	534	-2.38965413848962	0.0172114238474722	0.010619929247247	0.0648721249749294
LGG	DNMT3A	cg26995204	-0.0592438418062689	534	-1.36887099369485	0.171617291243277	0.00350983279196622	0.345837344780173
LGG	DNMT3B	cg00300969	0.0174470556253891	534	0.402479784220245	0.687492630632667	0.00030439974999542	0.820225469019825
LGG	DNMT3B	cg13636640	-0.00683175178599454	532	-0.157282407750563	0.875082183457452	4.66728324654395e-05	0.933880369017354
LGG	DNMT3B	cg14224313	-0.275129281737182	534	-6.60062777986955	9.92094922215985e-11	0.0756961216692177	3.97625102415612e-09
LGG	DNMT3B	cg16523653	-0.0532809368095143	534	-1.23067958168125	0.218986570039865	0.00283885822729946	0.406894077330689
LGG	DNMT3B	cg16953106	-0.0570918251295634	534	-1.31898144290643	0.18774276447692	0.00325947649662465	0.367132387002099
LGG	DNMT3B	cg17475857	0.0229322720354429	534	0.529074861019849	0.596974195368575	0.000525889100707558	0.757973079068107
LGG	DNMT3B	cg17721173	-0.0649905314854524	533	-1.50077805763281	0.134007331361707	0.00422376918276157	0.292186612696621
LGG	DNMT3B	cg22605822	-0.377093511536985	534	-9.39099766502535	1.73104432721535e-19	0.142199516443294	2.20040624822535e-17
LGG	DNMT3B	cg24403338	-0.0346142833022195	534	-0.798861498539122	0.424727218854338	0.00119814860852631	0.619654725320775
LGG	DNMT3B	cg25803642	-0.0265140038412308	534	-0.611763888355507	0.540955327612759	0.000702992399692801	0.716078502969606
LGG	DNMT3L	cg09247319	-0.14438573262156	534	-3.36554088452218	0.000819094181511749	0.0208472397846647	0.00567970521049336
LGG	DNMT3L	cg15635600	-0.105569743580705	534	-2.44866272111887	0.0146604931246833	0.0111449707596959	0.0573489416272747
LGG	DNMT3L	cg27187798	-0.132651214491509	534	-3.08689645365469	0.00212797528390576	0.0175963447060724	0.0124844426271617
LGG	DPF1	cg06168449	-0.0439769553537882	531	-1.01244947171688	0.311786043784853	0.00193397260218908	0.510654837892097
LGG	DPF1	cg06615189	-0.0209059283448774	534	-0.482303263203901	0.629788901357675	0.00043705783996115	0.781576399973124
LGG	DPF1	cg07480327	0.0164801588928974	509	0.371128544620214	0.710696818954546	0.000271595637135145	0.835241084293893
LGG	DPF1	cg08057062	-0.109031632913832	534	-2.52991088188945	0.0116966349367785	0.0118878969758566	0.048172376423937
LGG	DPF1	cg13322582	-0.192167710006862	534	-4.5165513207149	7.74782154512267e-06	0.0369284287692813	0.000104605003346281
LGG	DPF1	cg13917712	0.0123189506673056	534	0.284159701708172	0.776398559990363	0.000151756545543508	0.876248037209404
LGG	DPF1	cg17121541	-0.0382403546645115	534	-0.882664174552975	0.377816400331326	0.00146232472486763	0.576412485485187
LGG	DPF1	cg22145401	-0.0263740189950336	533	-0.60795953330101	0.54347424356699	0.000695588877950391	0.717798259860621
LGG	DPF1	cg27400772	0.00702598934069314	442	0.147382033520386	0.882897994894833	4.93645262155336e-05	0.937827537944457
LGG	DPF2	cg02186298	-0.00863234687413518	534	-0.19911358018236	0.842249973233793	7.45174125553914e-05	0.915584791271323
LGG	DPF2	cg14699126	-0.136901604503761	534	-3.18766563109405	0.00151856681800286	0.0187420493157043	0.0094964137491732
LGG	DPF2	cg15918224	-0.0381049112496876	533	-0.878706296647633	0.379957985056092	0.00145198426134657	0.578389208888795
LGG	DPF2	cg15929437	-0.0722932432815315	534	-1.67182717577722	0.0951464215327345	0.0052263130241627	0.229827383615399
LGG	DPF2	cg18224556	-0.0652569132458421	534	-1.50837397868137	0.132052452186528	0.00425846472637537	0.289246775126668
LGG	DPF2	cg19517014	-0.0784617892633678	534	-1.81532742538725	0.0700365064598618	0.00615625237440914	0.184460845161611
LGG	DPF3	cg00888802	-0.0577255226233437	534	-1.33367031220664	0.182882631281667	0.00333223596213817	0.36084843934172
LGG	DPF3	cg05151458	-0.105807302373197	534	-2.45423514981047	0.0144378080136691	0.0111951852354931	0.0567059542896639
LGG	DPF3	cg07171024	-0.126248517446718	533	-2.93266508306998	0.0035057073521226	0.0159386881574943	0.0186681496167449
LGG	DPF3	cg10266394	0.058146647723122	534	1.34343272693866	0.179704651651927	0.00338103264143685	0.356704012824301
LGG	DPF3	cg12913429	-0.0763753051872804	534	-1.76676645179493	0.0778406959346143	0.00583318724245021	0.198998984539513
LGG	DPF3	cg13819165	0.0881007116883679	534	2.03998628340115	0.0418450626146112	0.00776173539999693	0.12651748157952
LGG	DPF3	cg14238615	0.0718333166475308	534	1.66113573547523	0.0972753501492631	0.00516002538058442	0.233426033792275
LGG	DPF3	cg14242696	-0.282919387387147	534	-6.80353856142981	2.75638412989999e-11	0.0800433797595183	1.20669750704243e-09
LGG	DPF3	cg15392845	0.0716846136034012	534	1.65767921730779	0.09797174003711	0.00513868382746893	0.234605623955661
LGG	DPF3	cg15740492	-0.205735593937672	534	-4.84904997083664	1.63104779142323e-06	0.0423271346128867	2.63740868605235e-05
LGG	DPF3	cg16696021	0.0171259834961648	534	0.395070894589015	0.692948919915601	0.000293299310710908	0.823766324509693
LGG	DPF3	cg19710444	-0.00673569172718811	534	-0.155363097340748	0.876594003941019	4.53695430437103e-05	0.934685973527429
LGG	DPF3	cg19839347	-0.0138343120360235	534	-0.319120678445029	0.74976026488576	0.000191388189510063	0.859821481905225
LGG	DPF3	cg20548765	0.0860867217248506	534	1.9929997314778	0.0467718207367432	0.00741092365733186	0.137439262007789
LGG	DPF3	cg21035356	-0.123985726288028	534	-2.8819836802145	0.00411144615290601	0.0153724603231698	0.0212057178292893

LGG	DPF3	cg22784589	0.0441199047237583	534	1.01862301718834	0.308844973956149	0.00194656599283351	0.50749394639006
LGG	DPF3	cg23515460	-0.23169041743946	534	-5.4934475449171	6.11808092604382e-08	0.0536804495332714	1.39902994579851e-06
LGG	DPF3	cg24383902	0.0952136394917634	534	2.20613730220431	0.0278010018083904	0.00906563714526749	0.0932773321573574
LGG	DPF3	cg25495195	-0.116706094765203	534	-2.7103619572125	0.0069379646375449	0.0136203125553445	0.0321882169020258
LGG	DPF3	cg26057784	-0.0181900969961166	534	-0.419626293061327	0.674927878284421	0.000330879628728128	0.812061578302013
LGG	EED	cg00080012	-0.0377840648062527	534	-0.872116939839534	0.383538006230013	0.0014276355532831	0.581809871822195
LGG	EED	cg01739327	-0.043283090790501	534	-0.999266372244972	0.318119955819288	0.00187342594837875	0.517455439363646
LGG	EED	cg02172616	0.117024698839336	534	2.71786375824035	0.00678475017834822	0.0136947801384373	0.0316055602020612
LGG	EED	cg04607174	-0.0813239210748524	534	-1.88198005720534	0.0603843520419715	0.00661358013898883	0.165400524022152
LGG	EED	cg06358433	0.000165075554136789	534	0.00380748837374188	0.996963498426997	2.72499385735679e-08	0.998478016332327
LGG	EED	cg10086030	-0.00888174830990158	534	-0.204866717329373	0.837754616071605	7.88854530404396e-05	0.913167557706555
LGG	EED	cg10535675	0.0491797100767708	534	1.13357363649546	0.257485929587392	0.00241864388323523	0.452010840715821
LGG	EED	cg12672785	-0.0447559852772171	534	-1.03333786079583	0.301915321065745	0.00200309821813447	0.500334458534576
LGG	EED	cg16265078	0.0690276177597391	534	1.59593735587324	0.111096605141354	0.00476481201358466	0.256725064618044
LGG	EED	cg18574463	-0.031971859329762	534	-0.737812130094903	0.460953929812181	0.00102219978900209	0.650621682505384
LGG	EED	cg19325359	0.102933715613692	534	2.38236670566207	0.0175534268790987	0.0105953498100404	0.0658604847416129
LGG	ELP3	cg01209934	0.252691170666886	534	6.02384541868886	3.18073481641354e-09	0.0638528277330014	9.54637670941647e-08
LGG	ELP3	cg02516513	0.116081233635171	534	2.69565153721548	0.00724748404829715	0.0134748528022632	0.0332995408583432
LGG	ELP3	cg04720865	0.0782736485567944	534	1.81094765085544	0.0707128741465235	0.00612676405839256	0.185726639365092
LGG	ELP3	cg05621091	-0.00942322772705067	534	-0.217357577800754	0.828013023673196	8.87972207958566e-05	0.907514126201166
LGG	ELP3	cg15692687	0.134366921559308	534	3.12755160691575	0.00185914876537148	0.0180544696093253	0.0112047272275572
LGG	ELP3	cg17572663	0.112050053116656	534	2.60082704460411	0.00955864690593159	0.0125552144034454	0.0411137623311333
LGG	ELP3	cg18022570	-0.0378636578341659	534	-0.87395670966644	0.382536165123916	0.00143365658458279	0.58087912454666
LGG	ELP3	cg18249244	0.022086449506703	534	0.509551020381016	0.610577343504385	0.000487811251812142	0.767776385423013
LGG	ELP3	cg19781013	0.100854131316989	534	2.3381347918014	0.0197498516212504	0.0101715558037044	0.0721357790048151
LGG	ELP3	cg22414525	-0.0267940150767581	534	-0.618229271260378	0.536688795566653	0.000717919243933541	0.712732688545592
LGG	ELP3	cg22487209	0.0276628002669293	534	0.638290217560533	0.523559438226511	0.000765230518608024	0.70291129876349
LGG	ELP3	cg25374552	0.101816125767628	534	2.36066953172473	0.0186017568672432	0.0103665234663294	0.0688507504867408
LGG	ELP4	cg04972224	-0.151860747292918	534	-3.54378836394937	0.000429135545165503	0.0230616865683635	0.00329524929430512
LGG	ELP4	cg05195750	0.125871335106461	534	2.92651391083821	0.00357436548901188	0.0158435930014831	0.0189595581976019
LGG	ELP4	cg05635455	-0.12141595838803	534	-2.82134741183261	0.00496093328376212	0.0147418349512839	0.0246202136418016
LGG	ELP4	cg08111895	-0.133387254182095	534	-3.10433406385086	0.00200856946013688	0.0177921595782387	0.0119405970183317
LGG	ELP4	cg08626560	-0.184524046755139	534	-4.32636055795355	1.81156600045308e-05	0.0340491238308927	0.000220063968518499
LGG	ELP4	cg09616795	0.0771710145683383	534	1.78528305690629	0.0747850024027131	0.00595536548950668	0.193482472876273
LGG	ELP4	cg10583382	-0.197543589819842	534	-4.64795984334396	4.23243704858129e-06	0.03902346987891	6.14058574705955e-05
LGG	ELP4	cg11385473	-0.0224117731834127	534	-0.517060226965302	0.605329010443851	0.000502287577224735	0.764014226688528
LGG	ELP4	cg13263383	-0.220334955866468	534	-5.21009523243647	2.70381016821919e-07	0.0485474927766784	5.30894013696222e-06
LGG	ELP4	cg19328333	0.0943516941067233	534	2.18598547426971	0.0292517896136583	0.00890224218080868	0.0969129816108741
LGG	ELP4	cg24001477	0.0765692099560471	534	1.77127841060662	0.0770868721676065	0.00586284391329321	0.197732040508406
LGG	ELP4	cg24531794	-0.101469830242417	534	-2.35255678445941	0.0190081541698808	0.010296126449425	0.0699522373570987
LGG	ELP4	cg25130734	-0.195278558338386	534	-4.58822249358611	5.58378118566364e-06	0.0381337153467186	7.85221752634702e-05
LGG	EP300	cg00500400	0.0561800444631093	534	1.29784951194398	0.194901473163671	0.00315619739587694	0.376437021648248
LGG	EP300	cg02046995	0.00697073266303233	534	0.160784727936239	0.872323989225921	4.85911138594657e-05	0.932330943957593
LGG	EP300	cg07519229	0.269083974676896	534	6.4441364576192	2.60746899290007e-10	0.0724061854279163	9.59987897935013e-09
LGG	EP300	cg08131204	0.0426875878621365	534	0.983638690414168	0.325742004095002	0.00182223015748763	0.525186492851269
LGG	EP300	cg09331127	0.0398597406574687	534	0.920101126675015	0.357936926630415	0.00158879892528066	0.55690690540573
LGG	EP300	cg24349919	0.14928821532073	534	3.48237584021261	0.000537876650082315	0.0222869712336487	0.00398700105921902
LGG	EPC1	cg02900516	-0.164413232506435	534	-3.84452988508125	0.00013539550982932	0.0270317111023215	0.00124812872279442
LGG	EPC1	cg16942190	-0.20918041784296	534	-4.93392544020334	1.07953682307905e-06	0.0437564472089553	1.82886514840181e-05
LGG	EPC1	cg26211455	0.0401337336258116	534	0.926436003994889	0.354639517347839	0.0016107165747476	0.553570099373125
LGG	EPC2	cg00066942	0.230174684976143	534	5.45549153883461	7.49413353256119e-08	0.0529803856038667	1.67576494404158e-06
LGG	EPC2	cg03664802	-0.066188774561437	534	-1.53000749622084	0.126609240449003	0.00438095387794473	0.280954994765375
LGG	EPC2	cg04098458	-0.126797736823358	534	-2.94840343721411	0.00333454557797557	0.0160776660635255	0.0179235568778437
LGG	EPC2	cg05586854	0.113326145083735	534	2.63082994650877	0.00876459485104736	0.0128428151595397	0.0385151150044099
LGG	EPC2	cg10458926	0.0117241109548866	534	0.27043667395338	0.786929210720429	0.000137454777682492	0.882592356315923
LGG	EPC2	cg11721798	-0.0281690602463439	534	-0.649980830804825	0.515985165028397	0.000793495955162152	0.697102391862373
LGG	EPC2	cg12432635	0.0936363696480199	534	2.16926533450583	0.0305046601835363	0.00876776972086063	0.0999359696082719

LGG	EPC2	cg16434205	0.0752752798526862	534	1.7411738270915	0.0822311872910232	0.00566636775690023	0.207072572560705
LGG	EPC2	cg21347644	-0.121399067539798	534	-2.82094904712495	0.00496700545652613	0.0147377335995324	0.0246352070439907
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LGG	EZH1	cg00728999	0.0453426884164892	534	1.04691154228425	0.295615785387258	0.00205595939283482	0.493522183638208
LGG	EZH1	cg01716316	-0.026883190265884	534	-0.620288332508172	0.535333584997027	0.000722705918871719	0.711755412833877
LGG	EZH1	cg03623386	0.0410321920781631	534	0.947210363985785	0.343961633498865	0.00168364078673927	0.54326118061848
LGG	EZH1	cg05375741	-0.0702272356966838	534	-1.62380913572891	0.105008875321158	0.00493186463359757	0.2466446316276
LGG	EZH1	cg05979501	0.0363657670887288	534	0.839336152148915	0.401657702024142	0.00132246901595167	0.598237814157609
LGG	EZH1	cg06975499	0.00464848096542683	534	0.107218953827795	0.914655699909442	2.16083752859355e-05	0.954910976135513
LGG	EZH1	cg12812489	-0.135871648165065	534	-3.16323096067977	0.00164938085742465	0.0184611047750911	0.0101633215384153
LGG	EZH1	cg19395400	0.0572671472489872	534	1.32304518281415	0.186388720881844	0.00327952615403718	0.365347816777922
LGG	EZH1	cg22227424	0.102834070302162	534	2.38452219201705	0.0174507224743358	0.0105748460149099	0.0655763454820054
LGG	EZH1	cg27088844	0.0648292130900573	534	1.49844608607921	0.134610502577259	0.00420282686987606	0.293087219500066
LGG	EZH2	cg01893439	-0.0571121443873923	534	-1.31945241073576	0.187585465378341	0.00326179703652635	0.366917019351369
LGG	EZH2	cg02303805	-0.0529050242653426	534	-1.22197232070723	0.22225925032835	0.00279894159251648	0.410806531873973
LGG	EZH2	cg06816161	0.0554790092283428	534	1.28160415106952	0.200539828458768	0.00307792046495855	0.383547520961805
LGG	EZH2	cg13751213	0.00414106690529553	534	0.0955150455583725	0.923941706952646	1.71484351141339e-05	0.959977752665104
LGG	EZH2	cg18494018	0.0556301691566821	534	1.28510687699182	0.199314135426034	0.00309471572040107	0.382076877712603
LGG	EZH2	cg20101066	0.0762609045834603	534	1.76410456538908	0.0782882399354162	0.00581572556788764	0.199782035018395
LGG	FBXL19	cg00026853	0.016424912441308	534	0.378893773684828	0.704917914788026	0.000269777748704635	0.831604843636347
LGG	FBXL19	cg02291855	-0.0966255840494252	534	-2.239158662011	0.0255581129112903	0.00933650349289253	0.0876081884036536
LGG	FBXL19	cg03181514	-0.061892577523381	534	-1.43030220046388	0.153217349600363	0.00383069115248773	0.3203878852461
LGG	FBXL19	cg03627896	-0.182980591745757	534	-4.29295016983036	2.09555015559538e-05	0.0334818969556275	0.000249420484706834
LGG	FBXL19	cg04477789	0.00159242124490015	534	0.0367294419371778	0.970714510784383	2.53580542120936e-06	0.984521656935977
LGG	FBXL19	cg05643349	0.111955130477789	534	2.59859578874784	0.00962019278523418	0.0125339512402988	0.0413362760306273
LGG	FBXL19	cg05768582	-0.0424972751309096	534	-0.981091305937565	0.326993663030006	0.00180601839355223	0.526495260819527
LGG	FBXL19	cg06862768	-0.0156484826629165	534	-0.360978411645463	0.718258882352482	0.000244875009651598	0.840022257309014
LGG	FBXL19	cg07697662	-0.0549626305552889	533	-1.26844529441138	0.205194784574816	0.00302089075755718	0.389453573514522
LGG	FBXL19	cg08535091	-0.0727749512108157	534	-1.68302609299106	0.092956742190014	0.0052961935237366	0.226033094799798
LGG	FBXL19	cg08593668	-0.0278916841232921	534	-0.64357556828418	0.520128022738214	0.000777946043233504	0.700537702476721
LGG	FBXL19	cg09011601	-0.0332156098884097	534	-0.766545172742331	0.443691988916487	0.00110327674025902	0.635788384047726
LGG	FBXL19	cg11940219	-0.13329078209407	531	-3.09328949226459	0.00208405818192214	0.0177664325912488	0.0122963384303717
LGG	FBXL19	cg26666512	-0.0412322221887404	534	-0.951835817002614	0.341612489945626	0.00170009614662165	0.540754950510328
LGG	FBXL19	cg27602786	-0.0648090142489234	534	-1.49797724562348	0.134732248711951	0.00420020832791715	0.293291562142807
LGG	FBXW9	cg02753619	0.0222043881269684	534	0.512273291764052	0.608672354536823	0.000493034852093056	0.766409160267997
LGG	FBXW9	cg03160342	-0.0419750339222172	534	-0.969013442663329	0.332978808730281	0.00176190347277128	0.53262036851859
LGG	FBXW9	cg05868316	0.0492535636483619	534	1.13742009070464	0.255874728988634	0.00242591353206323	0.45015434831831
LGG	FBXW9	cg06489804	-0.0249006221695782	534	-0.574514106397481	0.565862805024292	0.000620040984432088	0.735045381139579
LGG	FBXW9	cg12110584	-0.0512420656425273	534	-1.18345941413447	0.237155672786093	0.00262574929131308	0.428574809717555
LGG	FBXW9	cg14342428	-0.0251219783335709	534	-0.579624508647018	0.562413230716369	0.000631113795392407	0.732572165367366
LGG	FBXW9	cg15828427	-0.0937960113803633	534	-2.17299653817251	0.0302211375549806	0.00879769175086524	0.099229679084054
LGG	FBXW9	cg19721801	-0.0478860639262815	534	-1.10576658983775	0.269327352920469	0.00229307511835192	0.465310921983408
LGG	FBXW9	cg21564527	-0.0294600069182686	534	-0.679793805487524	0.496930714252903	0.000867892007624433	0.681502476590398
LGG	FBXW9	cg22303873	-0.0460159354027581	534	-1.0624887989997	0.288495897957969	0.0021174663109908	0.486016065783321
LGG	FKBP1A	cg04613791	-0.0447721545952541	534	-1.0337119319351	0.301740523173	0.00200454582710133	0.500151327631312
LGG	FKBP1A	cg07516946	-0.0226944348675595	534	-0.52358483156543	0.600785363127346	0.000515037373957899	0.760788126057546
LGG	FKBP1A	cg10996143	-0.083279220548751	534	-1.92754144036792	0.0544442418086863	0.00693542857520751	0.153552381802739
LGG	FKBP1A	cg21332426	-0.0340785129569543	534	-0.786481988769486	0.431935351913016	0.0011613450453573	0.62573517256464
LGG	FKBP1A	cg21775445	-0.0769030706011083	534	-1.77904746856619	0.0758028641869413	0.00591408226787905	0.195375145497761
LGG	FKBP1A	cg24641773	-0.0891973779497771	534	-2.0655821621313	0.0393516523578011	0.00795617223311538	0.121053519060571
LGG	FKBP1A	cg26779912	-0.0531694887612443	533	-1.22694328596281	0.220387626502271	0.00282699453513208	0.408589762305895
LGG	FKBP2	cg03764062	-0.0779955031450011	534	-1.80447299081856	0.071722587314526	0.00608329851084187	0.187650062472127
LGG	FKBP2	cg04446112	0.0474278142811795	534	1.09516089341765	0.273941707531139	0.00224939756749006	0.470369285004026
LGG	FKBP2	cg06615912	-0.0690924693641184	534	-1.59744393132879	0.110760549403142	0.00477376932283164	0.256176785499271
LGG	FKBP2	cg09854726	-0.0961819874597181	534	-2.22878274158535	0.0262453296751613	0.00925097471170137	0.0893642083303655
LGG	FKBP2	cg10998122	-0.0896280043433046	534	-2.07563492495368	0.0384075600147889	0.00803317916256343	0.118788125622808
LGG	FKBP2	cg12423493	-0.077145361789458	534	-1.78468604896458	0.0748819674152977	0.00595140684562637	0.193675369808686

LGG	FKBP2	cg15010817	0.0384739134243805	534	0.888063147259543	0.374908111029188	0.00148024201418672	0.573605444358951
LGG	FKBP2	cg16977872	-0.0787264986477223	534	-1.82148999188873	0.0690938475010029	0.00619786158932983	0.18260248581645
LGG	FKBP2	cg19924313	0.0317446542145416	534	0.732563627222109	0.46414724594808	0.00100772307120081	0.653382386972928
LGG	FKBP2	cg21809711	0.00805713857234571	534	0.185844942229774	0.852637196751663	6.49174819739811e-05	0.921499676588553
LGG	FKBP2	cg22074794	-0.0186553919724164	534	-0.430363846215107	0.667105276425126	0.000348023649644498	0.806915771969466
LGG	FKBP2	cg24677501	-0.0197465477949999	534	-0.455545420144329	0.648902769546435	0.000389926149820217	0.794607905949719
LGG	FKBP5	cg00130530	-0.419143954909634	534	-10.6480857658258	3.92592239508743e-24	0.175681654937289	7.30653604792898e-22
LGG	FKBP5	cg00140191	-0.198395283722235	534	-4.66881840793121	3.83993852198162e-06	0.039360688603226	5.62887087580626e-05
LGG	FKBP5	cg00610228	0.0333792242115164	534	0.770325242404257	0.441448922980868	0.00111417260896269	0.634037043904103
LGG	FKBP5	cg01294490	-0.452804876738269	534	-11.713647702671	2.35906386441499e-28	0.205032256397959	5.9974187669379e-26
LGG	FKBP5	cg07485685	-0.00011874322170631	534	-0.0027388272933505	0.997815761393597	1.40999527011944e-08	0.998907196616267
LGG	FKBP5	cg07843056	-0.374744045842163	534	-9.32289334028007	3.0102174828946e-19	0.140433099894153	3.72300252566458e-17
LGG	FKBP5	cg08636224	0.0543745906013609	534	1.25601487814481	0.209661878820849	0.0029565961030656	0.395123426326562
LGG	FKBP5	cg08915438	-0.270012446774888	534	-6.46811725452181	2.2513291614807e-10	0.0729067214133617	8.38391099991524e-09
LGG	FKBP5	cg10913456	-0.342367223404859	534	-8.40466875985863	3.94219820029579e-16	0.117215315661953	3.50891724020379e-14
LGG	FKBP5	cg16012111	-0.402371356887044	534	-10.1376117645693	3.36016326108532e-22	0.161902708843121	5.37861194923604e-20
LGG	FKBP5	cg17030679	-0.20071117560017	534	-4.72559201534899	2.94084719739432e-06	0.0402849760108022	4.43630534950735e-05
LGG	FKBP5	cg20813374	-0.486479368092733	534	-12.8428630369513	4.48533695560838e-33	0.236662175579905	1.4013345507012e-30
LGG	FKBP5	cg25114611	-0.328398000972113	534	-8.01929563425011	6.80745570684683e-15	0.10784524704248	5.20726852761497e-13
LGG	FMR1	cg02921434	-0.0688541735882991	534	-1.59190815321269	0.11199932307411	0.00474089722052763	0.258197520795001
LGG	FMR1	cg03513471	-0.052216516091559	534	-1.20602575639478	0.228343637138167	0.00272656455274004	0.418246489629087
LGG	FMR1	cg04552106	-0.073359685140248	534	-1.69662178713191	0.0903531421187973	0.00538164340387633	0.221402611324254
LGG	FMR1	cg04744025	-0.0565969724770293	534	-1.30751205781167	0.191603632152329	0.00320321729356561	0.372070684721332
LGG	FMR1	cg05288927	-0.0623293737147401	534	-1.44043554115266	0.150332452062405	0.00388495082767173	0.316088617955694
LGG	FMR1	cg07147350	-0.0954448306093368	534	-2.21154327816807	0.0274225572038138	0.009109715690045	0.0923347677784529
LGG	FMR1	cg08434396	-0.0504984356239218	534	-1.16624069928469	0.244039688561817	0.00255009200046338	0.436733920680424
LGG	FMR1	cg14470409	-0.111746102877489	534	-2.5936826303744	0.00975696557562162	0.0124871915083064	0.0417821747524934
LGG	FMR1	cg16783314	-0.0875109915050085	534	-2.02622547909208	0.0432401341039952	0.00765817363418966	0.129671866271773
LGG	FMR1	cg22625568	-0.0579154062914218	528	-1.33050514334971	0.183928410045519	0.00335419428590046	0.362253822134283
LGG	FXR2	cg01807919	-0.0742837956988237	534	-1.71811194639987	0.086358051378606	0.00551808230342458	0.214526541197228
LGG	FXR2	cg01933235	-0.029668299370352	534	-0.684604402593995	0.493891721504959	0.00088020798752883	0.679178600038125
LGG	FXR2	cg05529097	0.00580717422031443	534	0.133945458946512	0.89349635780237	3.37232724250845e-05	0.94352652620339
LGG	FXR2	cg05913233	-0.101385342385453	534	-2.35057759866939	0.0191084723519978	0.0102789876506155	0.0702451718618269
LGG	FXR2	cg09625173	0.0587529680570061	534	1.35748955564403	0.175201265911056	0.00345191125550758	0.350802737034648
LGG	FXR2	cg17777561	-0.0191201627167204	534	-0.441089580973747	0.659327344726758	0.000365580622313864	0.80172111001881
LGG	FXR2	cg19178740	-0.0638392100771604	534	-1.47546903824863	0.140678065408236	0.00407544474327581	0.30231793978918
LGG	FXR2	cg22521096	-0.00855241215468628	534	-0.19726967167275	0.84369185629988	7.31437536636257e-05	0.916511866127559
LGG	FXR2	cg26904212	-0.039128793258798	534	-0.903202209379414	0.366827358936274	0.00153106246188976	0.565703187355741
LGG	G2E3	cg02259031	0.0274656606233927	534	0.633737979870815	0.526524200858715	0.000754362513479387	0.705168606576505
LGG	G2E3	cg05076167	-0.0879617809965817	534	-2.03674421609958	0.0421702562494431	0.0077372749160906	0.127268021316654
LGG	G2E3	cg07906495	-0.0598380326638154	534	-1.38264928446085	0.167352531716742	0.00358059015307584	0.340108750290556
LGG	G2E3	cg08810065	0.0222774546998931	534	0.513959832654976	0.60749348126495	0.000496284987905791	0.765495937263788
LGG	G2E3	cg09837748	-0.0674880065110977	534	-1.56017638775234	0.119312851264764	0.00455463102284196	0.269691148509683
LGG	G2E3	cg18580322	0.0398875529895002	534	0.920744154517874	0.35760134033015	0.00159101688349019	0.556595734897167
LGG	G2E3	cg18755078	0.00574076056783718	534	0.132413543129515	0.894707268640397	3.29563318972343e-05	0.94406197534975
LGG	G2E3	cg18956956	-0.0638358277902444	534	-1.47539054605618	0.140699148479812	0.00407501290966574	0.302346543197571
LGG	G2E3	cg19554565	-0.0157765865303828	534	-0.36393423794251	0.716051706059066	0.000248900682550655	0.83856289394645
LGG	G2E3	cg21061067	0.0221876448564292	534	0.511886820567978	0.608942637379671	0.000492291584275029	0.76660093453454
LGG	G2E3	cg22926526	-0.0258377829598229	534	-0.596150724243338	0.55132809933523	0.000667591028278915	0.723796651192009
LGG	GADD45	cg01810953	-0.0786060342107808	534	-1.81868547172103	0.0695215378432988	0.00617890861434645	0.183477236997713
LGG	GADD45	cg02639608	-0.092379573726478	534	-2.13989692210916	0.0328173294036731	0.00853398564188579	0.105526033300101
LGG	GADD45	cg04718306	-0.062011016892519	534	-1.43304982232075	0.15243097874872	0.00384536621604427	0.319232637720828
LGG	GADD45	cg07000785	0.00335859136412793	534	0.0774667671925173	0.938281353450312	1.12801359511947e-05	0.966996812275922
LGG	GADD45	cg22224769	-0.00551373113919802	534	-0.127176832166797	0.898848495656648	3.04012310753618e-05	0.946557197773384
LGG	GADD45	cg23369529	-0.25322448283579	534	-6.03742902141955	2.94008114307835e-09	0.0641226387074532	8.87546264822031e-08
LGG	GADD45	cg23723105	-0.0719571331299871	534	-1.66401386453066	0.0966985219302342	0.00517782900828669	0.232508612495676
LGG	GATAD2A	cg02887458	0.0580222177699685	534	1.34054814881557	0.180639360166324	0.00336657775494565	0.357770433642952

LGG	GATAD2A	cg08505228	-0.0174485447488523	534	-0.402514146729399	0.687467362019638	0.0003044517138527	0.820216291381565
LGG	GATAD2A	cg08870822	0.0514449606888469	534	1.18815777999374	0.235301403794773	0.00264658398027701	0.426501955003857
LGG	GATAD2A	cg09334331	-0.0644858752534737	534	-1.49047703494326	0.136691490144216	0.00415842810720657	0.296321066273175
LGG	GATAD2A	cg11795262	-0.258348544209145	534	-6.16824240288057	1.36797049089363e-09	0.0667439702949845	4.41393182781331e-08
LGG	GATAD2A	cg14948912	0.0176045762358326	534	0.406114691418361	0.684821631347492	0.000309921104443243	0.818633095248123
LGG	GATAD2A	cg15264323	0.0957385410354182	534	2.21841167332681	0.0269481710658162	0.00916586823959044	0.0911362004909841
LGG	GATAD2A	cg22191731	-0.0118201892289386	534	-0.272653192118288	0.785225615188499	0.000139716873407917	0.881393263324591
LGG	GATAD2A	cg26631329	0.118113043118654	534	2.7434961723114	0.00628398091911004	0.0139506909547491	0.0297524836326916
LGG	GATAD2E	cg02134200	-0.00907182503655082	534	-0.209251390827486	0.834332096611879	8.22980094937902e-05	0.911179244504998
LGG	GATAD2E	cg02940454	0.021262759071062	534	0.490539099951975	0.623954727187246	0.000452104923314029	0.777248307421892
LGG	GATAD2E	cg09805553	0.0249037271904234	534	0.574585790760831	0.565814346969595	0.000620195627975032	0.735014358736497
LGG	GATAD2E	cg10226922	0.0313785411189492	534	0.724106549263919	0.469318622351533	0.000984612842753583	0.658201628862353
LGG	GATAD2E	cg10489353	0.11603744953373	534	2.69462089800417	0.00726962843558454	0.013464689694293	0.0333687440711508
LGG	GATAD2E	cg15064304	0.0265965343337689	534	0.61366947982818	0.539696055720116	0.000707375638567349	0.715017540467152
LGG	GATAD2E	cg20773694	0.0328301967839923	534	0.757641009898194	0.449001374667577	0.00107782182087566	0.640247128061616
LGG	GATAD2E	cg23046518	0.0357623744695335	534	0.825391629328806	0.409519244867985	0.00127894742769914	0.605472378418763
LGG	GATAD2E	cg23323627	0.0393185302429746	534	0.907588635544223	0.364506520375252	0.00154594682046771	0.563434704537596
LGG	GATAD2E	cg26398333	-0.0175468076525657	534	-0.404781634178481	0.685800730615278	0.000307890458796139	0.8191581994857
LGG	GLYR1	cg00636946	0.0380030747746277	535	0.876354527654702	0.381233602230874	0.00144423369232594	0.579659269250814
LGG	GLYR1	cg00885266	-0.00603960455412899	534	-0.139306775892588	0.889260455086423	3.64768231702556e-05	0.941289463670411
LGG	GLYR1	cg01261535	-0.0883558212145041	534	-2.0459397963969	0.0412534410443468	0.00780675114248941	0.125176308315934
LGG	GLYR1	cg01565912	-0.00462344147579737	534	-0.10664139624545	0.915113676989928	2.13762110801233e-05	0.95513864330715
LGG	GLYR1	cg02454264	-0.0580383804341992	534	-1.34092283373114	0.180517744379568	0.00336845360342484	0.357630185812576
LGG	GLYR1	cg06399529	-0.118379725207408	534	-2.7497785282803	0.00616645074958817	0.0140137593401814	0.0293151350289332
LGG	GLYR1	cg06976003	-0.0636947879722232	535	-1.47073328306607	0.141955572486145	0.00405702601482647	0.30419687142439
LGG	GLYR1	cg11289281	0.0467209304599445	534	1.0788021824198	0.281164796666343	0.00218284534304297	0.478389707183883
LGG	GLYR1	cg15663121	0.0583548424527512	534	1.34825930959041	0.178148732854423	0.00340528763768542	0.354728877720877
LGG	GLYR1	cg18354686	-0.0675978306206396	534	-1.5627269281942	0.118711467822057	0.00456946670461668	0.2687700977396
LGG	GTF2B	cg02705666	-0.438900165620715	534	-11.2664257616535	1.49246291066144e-26	0.192633355381891	3.36535245426076e-24
LGG	GTF2B	cg04270788	0.100816671646957	534	2.33725743270548	0.0197957795023094	0.0101640012819704	0.0722458655752794
LGG	GTF2B	cg05306856	-0.49053990614093	532	-12.9594147420061	1.46769286557293e-33	0.240629399516753	4.67941388460575e-31
LGG	GTF2B	cg06356032	-0.16874134257138	534	-3.94866256254827	8.91595218382128e-05	0.028473640692792	0.000871804404459769
LGG	GTF2B	cg07167781	-0.0438331286551945	534	-1.01198925662106	0.312003224264269	0.00192134316770283	0.510946000934964
LGG	GTF2B	cg10430205	0.0245135258056373	534	0.565577498496159	0.571919478672844	0.000600912947423645	0.739657931970262
LGG	GTF2B	cg12074130	-0.425844640398965	534	-10.8556588433344	6.17967285472078e-25	0.181343657756524	1.25193091161497e-22
LGG	GTF2B	cg13868361	0.0846181241457608	534	1.95875278194042	0.0506637515321885	0.00716022693394739	0.1457302922787
LGG	GTF2B	cg14010405	0.088521689191978	534	2.04981088928211	0.0408725810396508	0.00783608945740115	0.124321300023404
LGG	GTF2B	cg17811845	0.201294831898004	534	4.73991320695221	2.74828549979493e-06	0.0405196093488457	4.18969473194292e-05
LGG	GTF2B	cg22607980	-0.200705421682008	534	-4.72545085742177	2.94280830655549e-06	0.0402826662925526	4.43840305157383e-05
LGG	GTF2H1	cg05849260	-0.186290862602537	535	-4.36926740727222	1.49984779131464e-05	0.0347042854891974	0.000186537424584382
LGG	GTF2H1	cg07583091	-0.220494359923739	534	-5.21405708736756	2.64941829612949e-07	0.0486177627581792	5.21398550288635e-06
LGG	GTF2H1	cg08690812	-0.177781227592981	534	-4.16692524117933	3.60283105131056e-05	0.0316061648844671	0.000400055151021487
LGG	GTF2H1	cg10797557	-0.0585225898948528	534	-1.35214833033419	0.176902382913163	0.00342489352800112	0.353006129956307
LGG	GTF2H1	cg11063328	-0.0249681779593746	534	-0.576073743417562	0.564808954403981	0.000623409910610999	0.734423121377859
LGG	GTF2H1	cg11176342	0.0194531409066898	534	0.448774051964575	0.653777396961439	0.000378424691135529	0.797965998073618
LGG	GTF2H1	cg11347316	0.123697076343709	534	2.87516978160068	0.00419982006866654	0.0153009666959814	0.0215842506719855
LGG	GTF2H1	cg11662851	-0.0178045463009274	534	-0.410729195491727	0.681436494049112	0.000317001868981867	0.816222095981819
LGG	GTF2H1	cg13777411	0.021380047751796	534	0.493246223848142	0.622042160367667	0.000457106441869076	0.776059764289379
LGG	GTF2H1	cg14132868	0.00301404831849658	534	0.0695197175690599	0.944602060981357	9.08448726623209e-06	0.970346926343373
LGG	GTF2H1	cg17174493	-0.017240373859819	534	-0.39771049162276	0.691003134125297	0.000297230490826329	0.822433490654255
LGG	GTF2H1	cg18321761	0.156844261267574	534	3.66296779874128	0.000274256308947002	0.0246001222925711	0.0022663581153838
LGG	H2AFZ	cg02758870	0.00496420902449557	534	0.114501513476394	0.908883446971923	2.46433712388833e-05	0.951602085518308
LGG	H2AFZ	cg09308803	-0.102337631521115	534	-2.37288860776053	0.0180040475223579	0.0104729908253515	0.0671464055301937
LGG	H2AFZ	cg16267491	-0.0396719984808551	534	-0.915760538102355	0.360207408400791	0.00157386746346497	0.559108823582496
LGG	H2AFZ	cg17709884	0.00561570998390211	534	0.129529096249494	0.896987960431113	3.15361986232979e-05	0.945442592081753
LGG	H2AFZ	cg20934652	-0.0981969756140859	534	-2.27592508616467	0.0232471475321677	0.00964264601975339	0.0815986313179305
LGG	H2AFZ	cg23752380	-0.0154478076418025	534	-0.356348138222332	0.721721140709463	0.000238634760938131	0.842318387247239

LGG	H2AFZ	cg24061702	-0.00431692203154813	534	-0.0995712748905774	0.920722208411242	1.86358158264657e-05	0.958415325148287
LGG	H3F3A	cg06319713	-0.00737169752266454	534	-0.170033746261473	0.865048237053027	5.43419243656585e-05	0.928355509847055
LGG	H3F3A	cg10632229	0.0741717647187284	534	1.71550643386709	0.0868346677679867	0.0055014506814904	0.21534510905427
LGG	H3F3A	cg10983539	-0.0356441740041938	534	-0.822660099539293	0.41106988811017	0.00127050714044124	0.606917215009959
LGG	H3F3A	cg11978873	-0.109212464505086	534	-2.53415740799103	0.01155753773323	0.0119273624032747	0.0477385096325209
LGG	H3F3A	cg15538837	-0.0521093266590664	534	-1.20354329354537	0.229301417350384	0.00271538192486129	0.419349157491084
LGG	H3F3A	cg15624314	-0.106966840164985	534	-2.48144060511046	0.0133930290070376	0.0114419048948815	0.0535376917546356
LGG	H3F3A	cg16724613	-0.0751996086399665	534	-1.73941353561594	0.0825404275039052	0.00565498113960412	0.207562387420442
LGG	H3F3A	cg16727519	0.0441068416877465	534	1.01832083499147	0.308988376741065	0.00194541348366794	0.507628013613327
LGG	H3F3A	cg18947521	-0.0461239246701634	534	-1.06498753587547	0.287364681967666	0.00212741642697891	0.484866352947396
LGG	H3F3A	cg19410789	-0.0954766794983979	534	-2.21228803371695	0.0273707715909112	0.0091157963280398	0.0922006497420692
LGG	H3F3A	cg21266749	-0.0125965795270431	534	-0.290564737171065	0.771497464731847	0.00015867381578112	0.873319102144566
LGG	H3F3A	cg21789564	-0.0122548583924517	534	-0.282681070537839	0.777531277247315	0.000150181554219044	0.877015151839124
LGG	H3F3A	cg22519151	-0.0721792917244386	534	-1.66917816177069	0.0956703856911997	0.00520985015384161	0.230699047904937
LGG	H3F3A	cg27530209	-0.116059281966416	534	-2.69513481226299	0.00725857883783718	0.01346975693056	0.0333317916363087
LGG	H3F3A	cg27560444	-0.00034064877977036	527	-0.0078052445463267	0.99377534406266	1.16041591159039e-07	0.996747880611776
LGG	HAT1	cg00414306	-0.0746853376649167	533	-1.72582686678116	0.0849602986264322	0.00557789966212262	0.21197567258963
LGG	HAT1	cg01583365	0.0356741973801642	534	0.823353915404948	0.410675689735339	0.00127264835871891	0.606536397712195
LGG	HAT1	cg04507121	0.0770927887916162	533	1.78178557251443	0.0753555984339011	0.00594329808366874	0.19455108935905
LGG	HAT1	cg04950839	-0.0284767167523786	534	-0.657085513917638	0.511410089073745	0.0008109233969952	0.693583383647477
LGG	HAT1	cg05421799	0.133795068836811	534	3.11399790241749	0.00194508174007569	0.017901120445047	0.0116200037542196
LGG	HAT1	cg09545452	0.0522242749624491	534	1.20620545025141	0.228274418981916	0.00272737489535349	0.418178781855583
LGG	HAT1	cg10190161	0.0398829864620179	534	0.920638575151053	0.357656426938572	0.00159065260912951	0.556659745858777
LGG	HAT1	cg12941622	0.0331506396704372	534	0.765044148000994	0.444584493723506	0.00109896491055916	0.636577898516512
LGG	HAT1	cg13293756	-0.0620424244959171	534	-1.43377844342955	0.152222964624513	0.00384926243733157	0.318933754709407
LGG	HAT1	cg14446129	0.073187053677628	534	1.69260773717844	0.091115644857518	0.005356344826012	0.222788863340639
LGG	HAT1	cg16017358	0.0924694054846965	534	2.14199573838078	0.0326471982246182	0.00855059095069322	0.10512235673369
LGG	HDAC1	cg03762702	-0.209916908863199	534	-4.952096304445639	9.87474057872847e-07	0.0440651086266807	1.69195619103362e-05
LGG	HDAC1	cg04967775	-0.356224507670737	534	-8.7931928322028	2.01926350178038e-17	0.126895899865259	2.10008803285431e-15
LGG	HDAC1	cg06473843	-0.192215123025256	534	-4.51770842296767	7.7071753224487e-06	0.0369466535196143	0.000104128516331117
LGG	HDAC1	cg10842753	-0.183829706817188	534	-4.31356654342889	1.91528699413013e-05	0.0337933611084931	0.00023071823540006
LGG	HDAC1	cg14172124	-0.184562929052179	534	-4.33137709736328	1.77157155143714e-05	0.0340634747803196	0.000215609570201034
LGG	HDAC1	cg20002354	-0.368863538895565	533	-9.14473818481366	1.26953177485512e-18	0.13606031032656	1.46097566409881e-16
LGG	HDAC1	cg20793809	-0.420687302764856	534	-10.6957057676485	2.57388210433365e-24	0.176977806707569	4.91971951903028e-22
LGG	HDAC1	cg21930229	-0.318023835750042	534	-7.73694050806778	5.14712182331481e-14	0.10113916010517	3.52478164720908e-12
LGG	HDAC1	cg23018091	-0.325718909920145	534	-7.94607341349117	1.15643641935422e-14	0.106092808279568	8.62548559992732e-13
LGG	HDAC1	cg26115470	-0.1978100096946	534	-4.65448346791096	4.10571429579543e-06	0.0391287999353777	5.98463439998331e-05
LGG	HDAC10	cg00711351	0.0851073096689756	534	1.97015890035565	0.0493383552542449	0.00724325415909091	0.142924148525367
LGG	HDAC10	cg01120165	0.0333775834470961	534	0.77028733463456	0.441471384798947	0.00111406307676786	0.634037043904103
LGG	HDAC10	cg04321608	0.102840413584647	534	2.38467085261563	0.0174437496139769	0.0105761506662613	0.0655628107773563
LGG	HDAC10	cg04586023	0.0239149954390336	534	0.551760169541558	0.581344366735346	0.000571927006848998	0.7468821304242258
LGG	HDAC10	cg07482373	0.12845798025891	534	2.987655223648907	0.00294101213918185	0.0165014526921985	0.0162046248569667
LGG	HDAC10	cg07744063	0.114218588228683	534	2.65182049715238	0.00824474774750437	0.0130458858969535	0.0367707336048475
LGG	HDAC10	cg09151829	0.11641831317805	534	2.70358662683874	0.00707901296214849	0.0135532236432225	0.0326849202527746
LGG	HDAC10	cg10508940	0.110078418788855	534	2.55449642665784	0.0109115273031871	0.0121172582830546	0.0456514159179397
LGG	HDAC10	cg11645658	0.113301292529261	534	2.63024549898104	0.00877948035563563	0.0128371828888011	0.0385674456370387
LGG	HDAC10	cg12464820	-0.00693079979715436	534	-0.159863604632663	0.873049196007293	4.80359858282349e-05	0.932714754243021
LGG	HDAC10	cg26943378	0.130114560946405	534	3.02683990390644	0.0025909302847806	0.0169297989702757	0.0146428500235541
LGG	HDAC11	cg01409735	-0.0679223000761423	534	-1.57026269718105	0.116948550341496	0.00461343884763351	0.266020336996091
LGG	HDAC11	cg01712016	-0.00709014966429918	534	-0.163539300248376	0.870155939638397	5.02702222621618e-05	0.931127290577277
LGG	HDAC11	cg02762546	-0.219128893338061	534	-5.18013374287322	3.15164743233745e-07	0.0480174718955634	6.0883849106347e-06
LGG	HDAC11	cg02941903	-0.048007680426711	534	-1.10858139049847	0.268111716908357	0.00230473737995321	0.463819139966838
LGG	HDAC11	cg05987698	-0.0456881176976496	534	-1.05490373471262	0.291948190221628	0.00208740409875428	0.489679340896085
LGG	HDAC11	cg07450135	-0.0548591918488312	534	-1.26724246736392	0.205623041189021	0.00300953093030686	0.389914414777787
LGG	HDAC11	cg08051076	-0.0429146264446884	534	-0.990743961149168	0.322261011589463	0.00184166516288715	0.521682477434466
LGG	HDAC11	cg08448040	0.000890961491775546	534	0.0205501465031675	0.983612214384608	7.93812379826906e-07	0.99143727138943
LGG	HDAC11	cg10455785	-0.0497933421310857	534	-1.14991609226753	0.250695086897004	0.00247937692058336	0.444303961582474

LGG	HDAC11	cg11432034	-0.0881738350422519	534	-2.04169272799879	0.0416747554085534	0.00777462518605825	0.126139830451054
LGG	HDAC11	cg13397067	-0.0800690263189629	534	-1.8527507030854	0.0644716989844082	0.00641104897566678	0.173487075433866
LGG	HDAC11	cg13706066	-0.0724882858061738	534	-1.67636145159489	0.0942549120619894	0.00525455157911754	0.228271501899222
LGG	HDAC11	cg16254764	-0.0861543747935088	534	-1.99457768026111	0.0465987517608679	0.00742257629606039	0.137022343232706
LGG	HDAC11	cg18521047	-0.0753335663649121	534	-1.74252972991846	0.0819936311651292	0.00567514622125662	0.206581356442014
LGG	HDAC11	cg19779799	-0.033620973546945	534	-0.775910620834832	0.43814655084515	0.00113036986224438	0.630913290929613
LGG	HDAC11	cg20894727	-0.0389768344394391	534	-0.899689226649752	0.368692709002744	0.00151919362291945	0.567505981969911
LGG	HDAC11	cg20922324	-0.0649318382413637	534	-1.5008281732367	0.133993251156642	0.00421614361740262	0.292183831248714
LGG	HDAC11	cg21655280	-0.0782809983749062	534	-1.81111874545096	0.0706863515764634	0.00612791470657206	0.185668743804207
LGG	HDAC11	cg25127083	-0.0735937641779795	534	-1.70206486933727	0.0893274161736412	0.00541604212588407	0.219673042100659
LGG	HDAC11	cg25150878	-0.0556882346388057	534	-1.28645241235708	0.198844760563511	0.00310117947718668	0.381560582952457
LGG	HDAC11	cg27025856	-0.081049687460988	534	-1.87559176803221	0.0612587794983361	0.00656905183752383	0.167136586549769
LGG	HDAC2	cg00161229	-0.02940882258035	534	-0.678611696416155	0.497679013186408	0.000864878845562504	0.682047760976366
LGG	HDAC2	cg01129566	0.0587049602833849	534	1.35637649674083	0.175554748558766	0.0034462723618738	0.35126301721658
LGG	HDAC2	cg08198132	-0.0978115976390379	534	-2.26690667666906	0.0237964854194957	0.00956710863270105	0.083052238199625
LGG	HDAC2	cg10999867	-0.0230533608563666	534	-0.531870006108023	0.595038058279712	0.000531457446773857	0.756497087414685
LGG	HDAC2	cg13393754	-0.0432412842729741	534	-0.998299386213852	0.318588050003901	0.00186980866557616	0.517910785425631
LGG	HDAC2	cg15005908	0.0400248721315175	534	0.92391903773802	0.35594733047879	0.00160199038914432	0.55476552925566
LGG	HDAC2	cg15242771	-0.0320551708071923	534	-0.739736677597538	0.459786081610278	0.00102753397547827	0.649618042686133
LGG	HDAC2	cg18387216	-0.0967742729470786	534	-2.24263686216091	0.0253312653974079	0.00936525990443566	0.0870713303393551
LGG	HDAC2	cg18674783	0.0434980790611014	534	1.00423914070382	0.31571990111181	0.00189208288200583	0.514941907013622
LGG	HDAC2	cg22867643	-0.0256441977765642	534	-0.591681216237088	0.554315415756128	0.000657624879603539	0.726037810274798
LGG	HDAC2	cg24023618	0.0808581089570311	534	1.87112918929611	0.061875834426685	0.00653803378410711	0.168394915633708
LGG	HDAC3	cg01947930	-0.0173575881108246	534	-0.400415267035301	0.689011423215117	0.00030128586502504	0.821210939867652
LGG	HDAC3	cg01961137	-0.00167744044910532	534	-0.0386904283900065	0.969151718970215	2.81380646029466e-06	0.983788602069516
LGG	HDAC3	cg04284814	-0.0461978234517212	534	-1.06669748301261	0.286592295219779	0.0021342388916764	0.483951486125756
LGG	HDAC3	cg08520975	-0.0439808358217184	534	-1.01540601651719	0.310373891281075	0.00193431391957695	0.509199597163945
LGG	HDAC3	cg10414058	-0.0837705803697346	534	-1.93899435758558	0.0530304588225243	0.00701751013548217	0.150601854796601
LGG	HDAC3	cg11064797	-0.0822426018638356	534	-1.90338392720178	0.0575298861001435	0.00676384556133338	0.159678891083009
LGG	HDAC3	cg11153694	-0.280625787187392	534	-6.74364715060406	4.03570797285938e-11	0.0787508324345434	1.71185314089761e-09
LGG	HDAC3	cg12082871	-0.317793420985242	534	-7.73070496417869	5.37892388370973e-14	0.100992658421503	3.67381918006422e-12
LGG	HDAC3	cg14098966	-0.0316448491174321	534	-0.730258137037028	0.465553856378763	0.00100139647566504	0.654817420367924
LGG	HDAC3	cg17940889	-0.140859971462125	534	-3.28167269816471	0.00109962498510321	0.0198415315603108	0.00726058615609564
LGG	HDAC3	cg18671773	-0.11301103437781	534	-2.62341998477217	0.00895500639777874	0.0127714938911426	0.0391924482536596
LGG	HDAC3	cg19549288	-0.206613674825187	534	-4.8706665839163	1.46915860099048e-06	0.0426892106247682	2.40058231895512e-05
LGG	HDAC3	cg20642138	-0.0532655757784686	534	-1.23032376391487	0.219119622637845	0.00283722156301178	0.407024640006888
LGG	HDAC3	cg23421926	-0.0361034822546193	534	-0.833274585699213	0.405063829318131	0.00130346143090961	0.601533311062705
LGG	HDAC3	cg24385322	-0.237122095717355	534	-5.62981392345715	2.92328413081212e-08	0.0562268882773905	7.244790241236e-07
LGG	HDAC6	cg07153944	-0.0267184735551444	534	-0.615905348140126	0.538220901781878	0.00071387682911695	0.713962931134273
LGG	HDAC6	cg07674520	-0.034024658254811	524	-0.777822596009842	0.437025992293232	0.00115767736935668	0.630000927350313
LGG	HDAC6	cg10783042	-0.0269465003995188	534	-0.621750176838802	0.534372495153262	0.000726113883781265	0.711125489889371
LGG	HDAC6	cg12510923	-0.0730328713296791	531	-1.6842537827775	0.0927225101417296	0.00533380029465747	0.225668093917085
LGG	HDAC6	cg13178935	-0.0482258551995654	534	-1.11363114579046	0.265940351133408	0.00232573310972945	0.461736456636886
LGG	HDAC6	cg17152375	-0.0216327625209525	532	-0.498140165953748	0.618591889787598	0.000467976414287928	0.773656964145505
LGG	HDAC6	cg24616736	-0.0850543504038523	534	-1.96892400391447	0.0494804279599304	0.00723424252262129	0.143207723974658
LGG	HDAC6	cg26680189	-0.0446676902505037	534	-1.03129520264622	0.302871016873469	0.00199520255231494	0.501224214743335
LGG	HDAC9	cg00332048	-0.0955131099997369	534	-2.21313993425662	0.0273116395577945	0.00912275418182185	0.0920373267385344
LGG	HDAC9	cg02301805	-0.167251550170935	534	-3.91279253925528	0.000103068898852755	0.0279730810345809	0.000988917355371394
LGG	HDAC9	cg03260621	-0.0286117664096909	534	-0.660204262011969	0.509408493888676	0.000818633177082715	0.691869904214108
LGG	HDAC9	cg07513622	-0.0895130089301966	534	-2.07295029860137	0.0386577741680909	0.00801257876773746	0.119419564135824
LGG	HDAC9	cg08146609	0.103645849876591	534	2.40354938077554	0.0165779295561562	0.0107424621966408	0.0629893431172307
LGG	HDAC9	cg08285151	-0.230925838797485	534	-5.47429619160392	6.77851450309672e-08	0.0533267430243219	1.53026046794517e-06
LGG	HDAC9	cg08725366	-0.137946798905048	534	-3.21247258026559	0.00139562033660591	0.0190293193281497	0.0088585907690862
LGG	HDAC9	cg10068437	-0.169204247976033	534	-3.9598136857261	8.52111250025526e-05	0.0286300775331349	0.000838254205671292
LGG	HDAC9	cg11321459	0.0686520034874939	534	1.58721181458723	0.113058820194988	0.00471309758284687	0.260077410203113
LGG	HDAC9	cg11765288	-0.148271575810629	534	-3.45812622702077	0.000587515875881859	0.0219844601933671	0.00429802614710865
LGG	HDAC9	cg12081743	-0.107832312395262	534	-2.5017532667727	0.0126572210476125	0.0116278075965094	0.0512781279796007

LGG	HDAC9	cg16475478	-0.11024207540146	532	-2.55352751610306	0.0109426098504875	0.0121533151888213	0.0457474952014631
LGG	HDAC9	cg18856632	-0.14141444709697	534	-3.29485362107172	0.00105031419179145	0.0199980458477416	0.00699376377952786
LGG	HDAC9	cg19585556	-0.0717475777175339	531	-1.65445812120115	0.0986276334541654	0.00514771490833356	0.235805461827197
LGG	HDAC9	cg20648975	-0.00181980471427933	534	-0.0419740930576396	0.96653509879472	3.31168919811328e-06	0.982408919550497
LGG	HDAC9	cg21433125	-0.17504854947542	534	-4.10083439960059	4.76092538092906e-05	0.0306419946734486	0.000508193508622387
LGG	HDAC9	cg23074799	-0.0498697093649025	534	-1.15168409338737	0.24996821307211	0.00248698791213984	0.443581911357678
LGG	HDAC9	cg23385718	-0.176282404663177	534	-4.13066343610417	4.20011448362396e-05	0.0310754861938322	0.000456345958294752
LGG	HDAC9	cg24350771	-0.0293259658159449	534	-0.676698119775963	0.498891619793458	0.000860012271037972	0.683119911821246
LGG	HDAC9	cg25620356	0.03932743384434	534	0.907794475474218	0.364397837907823	0.00154664705278094	0.56339707700184
LGG	HDGF	cg00692559	-0.0322186111418207	534	-0.743512296953822	0.457499804325234	0.00103803890390786	0.647693171568285
LGG	HDGF	cg00746981	-0.0286955513328176	534	-0.662139154178453	0.508168761815204	0.000823434666294369	0.690764994874226
LGG	HDGF	cg01910231	-0.0060113033960398	534	-0.138653970587297	0.88977606055943	3.61357685192397e-05	0.941553387768109
LGG	HDGF	cg02914429	-0.0551425866016935	534	-1.27380877592703	0.203287412353434	0.00304070485712527	0.387127388720546
LGG	HDGF	cg04402095	-0.0209529473971532	534	-0.483388476505615	0.629018811718498	0.000439026004627868	0.780934136308588
LGG	HDGF	cg05762852	0.0400722119989038	534	0.925013569906673	0.355378238351389	0.00160578217448509	0.554233885455835
LGG	HDGF	cg05967123	0.049015815355832	534	1.13191647819027	0.258179489675219	0.00240255015499701	0.452768602790667
LGG	HDGF	cg06106793	-0.0118524658751898	534	-0.27339781348005	0.784653537017007	0.000140480947322538	0.881056223242704
LGG	HDGF	cg06119628	-0.0210707277021814	534	-0.486106894053017	0.627091543831755	0.000443975565899476	0.779520621917605
LGG	HDGF	cg07313589	-0.0605646218185308	534	-1.39949967613718	0.162246004208479	0.00366807341602166	0.332878045140773
LGG	HDGF	cg07892339	-0.0372286254903862	534	-0.859278581437643	0.390573852540418	0.00138597055590343	0.587902961824515
LGG	HDGF	cg08597205	-0.0328816052854644	534	-0.758828676048376	0.448291108865776	0.00108119996614908	0.639691126858634
LGG	HDGF	cg08708935	-0.0969594671349104	534	-2.24696922309465	0.0250511550504362	0.00940113826708577	0.086353666961788
LGG	HDGF	cg09063372	-0.0378363561616766	534	-0.873325637525635	0.382879632152399	0.00143158984759324	0.581151115128162
LGG	HDGF	cg09477492	0.00811431643805721	534	0.18716388620573	0.851603495323015	6.58421312569255e-05	0.920863367754122
LGG	HDGF	cg11588596	0.0267545498597415	534	0.617318021403848	0.53728910397772	0.000715805938197395	0.713249864421739
LGG	HDGF	cg12220178	0.0107529745616401	534	0.24803304442825	0.804204545971255	0.000115626461923278	0.893504455209127
LGG	HDGF	cg12421458	0.0145140400192834	534	0.334803416306768	0.73790534472075	0.00021065735768136	0.852433969695079
LGG	HDGF	cg13170934	-0.111873840757565	534	-2.59668504615908	0.00967317913548526	0.012515756245849	0.0415249584850425
LGG	HDGF	cg13235992	-0.0287740754758481	534	-0.66395256888178	0.507008305686205	0.000827947419489803	0.689874663434709
LGG	HDGF	cg14155849	0.0441858233034634	534	1.02014789437431	0.308122005484618	0.00195238698100489	0.506680546517933
LGG	HDGF	cg15503799	0.0338462410808001	534	0.78111532630034	0.435082115404994	0.00114556803529964	0.628456432512321
LGG	HDGF	cg17170583	-0.0518815996106668	534	-1.19826936778181	0.231345702707743	0.00269170037816154	0.421848149367044
LGG	HDGF	cg17218029	-0.0414202411032724	534	-0.95618363023431	0.339413762961125	0.00171563637305321	0.538644518070129
LGG	HDGF	cg17971171	0.0329992310872	534	0.761546151677207	0.446668373047723	0.00108894925234643	0.638437979595915
LGG	HDGF	cg18593717	-0.0338259299883885	534	-0.780646042731281	0.435357911122111	0.00114419353957936	0.628668040351076
LGG	HDGF	cg19599803	-0.0396168049043798	534	-0.914484484213297	0.360876609470705	0.00156949123083169	0.559784412084002
LGG	HDGF	cg20284773	0.0903587424310718	534	2.09269633702159	0.0368494434588098	0.00816470233372478	0.11524513473147
LGG	HDGF	cg23747104	0.0585016329001236	534	1.35166246158469	0.177057736618681	0.00342244105198082	0.353225530517083
LGG	HDGF	cg26431298	0.0472287444126432	534	1.0905538511999	0.275962933836779	0.00223055429879477	0.472452915380686
LGG	HDGFL1	cg02685945	-0.0171329584712336	534	-0.395231844095385	0.692830217240921	0.000293538265977015	0.823700735398115
LGG	HDGFL1	cg03930485	0.0256854982495683	534	0.592634758787791	0.553677423904785	0.000659744820328576	0.725558519586437
LGG	HDGFL1	cg05276066	-0.0303423239289489	534	-0.700171883115052	0.484126038132425	0.000920656621409264	0.670836468427805
LGG	HDGFL1	cg06566039	-0.0113669174113423	534	-0.262196312431453	0.793271588740441	0.000129206811436276	0.886751651084537
LGG	HDGFL1	cg08671671	0.00522171829565094	534	0.120441228199714	0.904179105804467	2.72663419591357e-05	0.949279459053587
LGG	HDGFL1	cg09081892	0.0367790930643822	534	0.848888726780367	0.396325018460294	0.00135270168663849	0.592985892335656
LGG	HDGFL1	cg11894257	-0.0238745033913333	534	-0.550825414946375	0.58198459110027	0.000569991912182785	0.74724413075012
LGG	HDGFL1	cg15317945	0.00128443318127515	534	0.0296256365611882	0.976376729524353	1.6497685971606e-06	0.98753495802662
LGG	HDGFL1	cg20209681	-0.054288851807339	534	-1.25402851318622	0.210382379286086	0.00294727943055921	0.39605537857719
LGG	HDGFL1	cg21898884	-0.00423682439763179	534	-0.0977237622446102	0.922188452416642	1.7950680976368e-05	0.959139116104927
LGG	HIST1H1	cg00667898	0.0436188524142124	534	1.00703274005699	0.314376844338924	0.00190260428593284	0.513416948627518
LGG	HIST1H1	cg00700007	0.108430381101799	534	2.51579331842219	0.0121698292076067	0.0117571475458814	0.049720723475578
LGG	HIST1H1	cg03821311	-0.0557728421437485	534	-1.28841302212216	0.19816227518801	0.00311060992079149	0.380714977925928
LGG	HIST1H1	cg04676561	0.0317632574686414	534	0.732993363406329	0.463885320727746	0.0010089045250192	0.653108218997272
LGG	HIST1H1	cg07138603	0.132131122524543	534	3.07457802473788	0.00221622436138294	0.0174586335395959	0.0129023811172564
LGG	HIST1H1	cg11206041	0.124111245934816	534	2.88494694088327	0.00407354438673934	0.0154036013674925	0.0210535019945522
LGG	HIST1H1	cg14334286	0.13489857150917	534	3.1401553039387	0.00178239125156629	0.0181976245952148	0.0108251498965062
LGG	HIST1H1	cg18798248	0.0745302794809744	534	1.7238446678021	0.0853168453672231	0.00555476255951216	0.212608211058391

LGG	HIST1H1	cg23460835	0.121568892716675	534	2.82495442739346	0.00490625813956515	0.0147789956763583	0.0244141369199857
LGG	HIST1H1	cg00903962	0.0416257358822784	534	0.960935677689192	0.337021046362694	0.0017327018877412	0.536631706423633
LGG	HIST1H1	cg04290376	-0.05960230483109	534	-1.37718297516316	0.169034849792267	0.00355243474117817	0.342353576810312
LGG	HIST1H1	cg07750111	0.00842587602561789	534	0.194350784487762	0.845975414081985	7.09953867990823e-05	0.917762224589576
LGG	HIST1H1	cg08283682	0.0114534844417909	535	0.263944962977266	0.791924731053987	0.000131182305858347	0.885819757974548
LGG	HIST1H1	cg10717387	0.0968810805634873	534	2.2451354493449	0.02516938841461	0.00938594377114892	0.0866652238448266
LGG	HIST1H1	cg12633985	-0.0733691922453668	534	-1.6968428520682	0.0903112990037613	0.0053830383707376	0.22132299630477
LGG	HIST1H1	cg15022984	-3.41687300583817e-05	534	-0.0007881060368174	0.999371477853551	1.16750211380256e-09	0.999692740656806
LGG	HIST1H1	cg16481032	0.00877850494337539	534	0.202485117613678	0.839614903094435	7.70621490408661e-05	0.914163775665899
LGG	HIST1H1	cg16482183	-0.0426967983689424	534	-0.985705888517268	0.324725535556508	0.00182301659095812	0.524079878699701
LGG	HIST1H1	cg17691542	-0.0469651718321947	535	-1.08343525996882	0.279107302050319	0.00220572736522758	0.476138622334602
LGG	HIST1H1	cg20855557	0.0125733850078694	534	0.290029625559722	0.771906582055341	0.000158090010556115	0.87355184086022
LGG	HIST1H1	cg23407813	0.0640459671368458	534	1.48026731337444	0.139393865064368	0.00410188590649393	0.300371346153051
LGG	HIST1H3	cg00958605	0.0187456742706736	534	0.432447311546162	0.665591576238097	0.000351400303862195	0.805836605429406
LGG	HIST1H3	cg01043409	-0.0213812951720099	534	-0.493275015491704	0.622021832960433	0.000457159783232614	0.776059764289379
LGG	HIST1H3	cg08041469	-0.00638376527754123	534	-0.147245345641393	0.882994154493725	4.07524591187411e-05	0.93786761001864
LGG	HIST1H3	cg08401836	-0.0231464110906656	534	-0.534017940405847	0.593552186647852	0.000535756346378085	0.755510704624907
LGG	HIST1H3	cg10075390	-0.049059263820893	534	-1.13292224812732	0.257757226686139	0.00240681136664798	0.452270867433815
LGG	HIST1H3	cg15479139	0.0109209237908684	534	0.251907496939945	0.801209849011306	0.000119266576445956	0.891475878455677
LGG	HIST1H3	cg15797414	-0.00262262306030599	534	-0.0604913372450671	0.951787032082446	6.87815171644875e-06	0.974497839905
LGG	HIST1H3	cg21209604	-0.00882269952237452	534	-0.203504589547008	0.838818474595032	7.78400268621075e-05	0.913712557892014
LGG	HIST1H3	cg23099349	0.00177872206213601	534	0.0410265119411718	0.967290152194478	3.16385217432939e-06	0.982803987407168
LGG	HIST1H3	cg25701114	0.00928596784915282	534	0.214191245913769	0.83047999218179	8.62291988954999e-05	0.909065281793611
LGG	HLTF	cg00906762	0.0849014872475288	534	1.96535965731169	0.0498924314609892	0.00720826253684229	0.144057150765549
LGG	HLTF	cg02059813	0.0239962259859687	534	0.553635376236671	0.580061012798737	0.000575818861569679	0.745943061803053
LGG	HLTF	cg02398045	-0.0662338262512865	534	-1.53105348989787	0.12635056506547	0.00438691973988561	0.280565047060089
LGG	HLTF	cg02611507	-0.0128132406921021	534	-0.295563264301273	0.767678953705371	0.00016417913703374	0.871251663474975
LGG	HLTF	cg02710346	0.0793699106422201	534	1.83647056312871	0.0668458660126496	0.006299582715354	0.178229677505846
LGG	HLTF	cg03678609	0.0665334507828585	534	1.53801030239949	0.124640624525515	0.00442670007307506	0.277854622011573
LGG	HLTF	cg04120413	0.039808425540583	534	0.91891471438303	0.358556618286823	0.00158471074402014	0.557514262132337
LGG	HLTF	cg04731810	0.0475464401536153	534	1.09790629521751	0.272742065935545	0.00226066397128132	0.469142546520363
LGG	HLTF	cg04836786	-0.0842287394108018	534	-1.94967469363936	0.0517398918074881	0.00709448054273276	0.147941821710285
LGG	HLTF	cg05555455	0.0778538118047308	534	1.80117486740223	0.0722414608619171	0.00606121601252644	0.188614317569203
LGG	HLTF	cg07275648	0.103684644523135	534	2.4044588043574	0.0165371935557802	0.0107505055098888	0.062890811276807
LGG	HLTF	cg09352720	0.0649012688112133	534	1.50011860488132	0.134176885984878	0.00421217469330537	0.29243448950265
LGG	HLTF	cg09392355	0.100310510293025	535	2.32321683470681	0.0205443118004283	0.0100621984752471	0.074336008939652
LGG	HLTF	cg15438497	-0.0120859369002806	534	-0.278784009351149	0.780518918927841	0.000146069870757565	0.878772849066118
LGG	HLTF	cg16724124	0.112499383093075	534	2.61138999497517	0.00927203656808547	0.0126561111963225	0.0402291585486693
LGG	HLTF	cg20117402	0.047578201085642	534	1.09864135793983	0.272421482629201	0.00226368521854579	0.468804070690972
LGG	HLTF	cg21089667	-0.030083039426035	534	-0.694183255732905	0.487870306559349	0.000904989261108376	0.674091658143935
LGG	HLTF	cg21111416	0.036972912052539	534	0.853368320212997	0.393839138000313	0.00136699622564479	0.590564860088378
LGG	HLTF	cg21835021	-0.0259944845156339	534	-0.599768709652591	0.548915747996883	0.00067571322523353	0.721955117394161
LGG	HLTF	cg21926402	-0.0750293902476965	534	-1.73545396341102	0.0832394830621075	0.00562940940094113	0.208787114149076
LGG	HLTF	cg24041269	-0.0494396168450469	534	-1.14172715351809	0.254081077806323	0.00244427571378505	0.44817775132905
LGG	HLTF	cg24710191	0.12392815887522	528	2.8643344936763	0.00434581471889658	0.0153581885622017	0.0221894401576425
LGG	HLTF	cg25951608	0.132993887848037	534	3.09501412323158	0.0020715991726562	0.0176873742049363	0.0122386076881544
LGG	HLTF	cg26151310	-0.0827397166638353	534	-1.91496798189961	0.0560325202966363	0.00684586071361174	0.156618061366647
LGG	HLTF	cg27554556	0.071437705600237	534	1.65194022568631	0.0991367990798518	0.00510334578142613	0.236797204323682
LGG	IDH1	cg00707300	0.054309439682696	534	1.2545054829978	0.210209207612191	0.0029495152386484	0.39584176745214
LGG	IDH1	cg01046174	0.0776017501459816	534	1.79530794556438	0.0731720848016149	0.00602203162571936	0.190473374003446
LGG	IDH1	cg02241586	0.0681428921482812	534	1.57538621054771	0.11576177524531	0.00464345375033228	0.264069775193784
LGG	IDH1	cg03448938	-0.0578356766589367	534	-1.33622380578416	0.182047380661798	0.00334496549459708	0.359619967273657
LGG	IDH1	cg05268564	0.0371123088433139	534	0.856590153658031	0.392057098002598	0.00137732346768152	0.589124929764784
LGG	IDH1	cg07129696	0.00219609105878277	534	0.0506532373437857	0.95962085202082	4.82281593846561e-06	0.978911167728035
LGG	IDH1	cg07915542	-0.0194340998395661	534	-0.448334618196375	0.654094255424066	0.000377684236574223	0.798164896888879
LGG	IDH1	cg09406631	0.0251217187922913	534	0.579618516623393	0.56241726942392	0.000631100755078963	0.732572165367366
LGG	IDH1	cg09615745	-0.0868172119421425	534	-2.01003925218286	0.0449313468850465	0.00753722828940689	0.13341742427322

LGG	IDH1	cg10356455	0.158419541522514	534	3.70069939727983	0.000237397705808514	0.0250967511362036	0.00200326685385265
LGG	IDH1	cg14772913	0.0288774323876319	534	0.666339483393519	0.50548298175668	0.000833906101302251	0.688642331975188
LGG	IDH1	cg15399923	0.0391082589360884	534	0.902727493414759	0.367079081862083	0.00152945591701214	0.56595814444733
LGG	IDH1	cg16085695	-0.0637014105109106	534	-1.47227118701519	0.141538984956437	0.00405786970107955	0.303656374498802
LGG	IDH1	cg16863783	0.0248276686495855	534	0.57282986270197	0.567001914909327	0.000616413130573612	0.735823508992298
LGG	IDH1	cg24324379	-0.00281236981945028	534	-0.0648679184987897	0.948303531309815	7.90942400135479e-06	0.972543997293728
LGG	IDH1	cg24830471	0.0830599723741089	534	1.92243152622515	0.0550851237723381	0.00689895901078773	0.154806240949363
LGG	IDH1	cg24987806	-0.0441088813501658	534	-1.01836801768466	0.308965982939482	0.001945593413963	0.507607013089356
LGG	IDH1	cg25795625	0.048451606699853	534	1.11885643611525	0.263706319159528	0.00234755819179724	0.459148822576014
LGG	IDH1	cg26105702	0.0481934690109304	534	1.1128815425042	0.266261906656624	0.0023226104553075	0.462081655801575
LGG	ING2	cg02075087	-0.0330702399110918	534	-0.762469045694778	0.446118668119456	0.00109364076777717	0.638023024248475
LGG	ING2	cg02552216	-0.100873581237043	534	-2.33639138365067	0.0198419065700339	0.0101754793915864	0.0723598949798056
LGG	ING2	cg10348863	-0.0255874705454578	534	-0.59037150667086	0.555192297730378	0.000654718648914668	0.726680680882636
LGG	ING2	cg17985608	-0.0333966051005426	534	-0.770726806064747	0.4412111021306637	0.00111533323224159	0.633802422519224
LGG	ING3	cg01382559	-0.176235245399635	534	-4.129522970147	4.22034847779008e-05	0.0310588617210694	0.00045828837169347
LGG	ING3	cg01416111	-0.162693288397069	534	-3.79963630714622	0.000161677997575985	0.0264691060894518	0.00145103578027528
LGG	ING3	cg10268125	0.011820820575102	534	0.272667757249131	0.785214423963832	0.000139731799068754	0.881393263324591
LGG	ING3	cg14303833	-0.0976420441664741	534	-2.26293920328701	0.0240417107254115	0.00953396878900769	0.0836786203826524
LGG	ING3	cg16130600	0.0597841292777439	534	1.38139929460922	0.167736113272639	0.00357414211349799	0.340656916745377
LGG	ING3	cg18485114	0.0912250324392146	534	2.11292705807816	0.0350721543984536	0.00832200654353576	0.111028045058733
LGG	ING3	cg19478983	0.0412099097577662	534	0.951319863503746	0.341874017521395	0.00169825666224324	0.541036827289285
LGG	ING3	cg19960827	0.0899542333621632	534	2.08325136297883	0.0377051898921179	0.00809176409977452	0.117268522067222
LGG	ING3	cg20553930	-0.0521629540893854	534	-1.20478527739516	0.228821879178004	0.00272097377933133	0.418777360641156
LGG	ING3	cg24859794	-0.0244956431053909	534	-0.565164659983466	0.57220001989175	0.000600036531146686	0.739848558113533
LGG	ING4	cg00369908	0.0142769849185396	534	0.32933401063717	0.742032856878582	0.000203832298364206	0.854891654345306
LGG	ING4	cg00443163	-0.132236531078019	534	-3.07707442742154	0.00219807294802222	0.0174865001515479	0.0128164358355899
LGG	ING4	cg00591160	-0.232535579849692	534	-5.50425429435356	5.78277645691546e-08	0.0540727958960323	1.3301753745987e-06
LGG	ING4	cg03930474	-0.0475199540928287	534	-1.09729331462657	0.273009603331971	0.00225814603698455	0.469297089482219
LGG	ING4	cg04375284	-0.193318973179409	534	-4.54465690142027	6.8163687936059e-06	0.0373722253911411	9.33414176957891e-05
LGG	ING4	cg08733494	-0.0925156332682229	534	-2.14307581821817	0.0325599419625784	0.00855914239902032	0.104897839277626
LGG	ING4	cg12392916	-0.178886816287077	534	-4.19369250020705	3.21479720337042e-05	0.0320004930413265	0.000361927545063674
LGG	ING4	cg18123790	0.0273932720423748	534	0.632066442104728	0.527614987475757	0.000750391353187554	0.70620395959617
LGG	ING4	cg23354319	-0.248708091706355	534	-5.9225796865218	5.69179430756458e-09	0.0618557148802166	1.6326970736087e-07
LGG	ING4	cg27116036	-0.194430039392249	534	-4.57179965091435	6.01942683979568e-06	0.0378030402180717	8.38001595517296e-05
LGG	INO80	cg00734724	-0.0155315982683665	534	-0.358281475274626	0.720274799761718	0.000241230544769925	0.841392237679401
LGG	INO80	cg06380007	0.0241275888198159	534	0.556667909713271	0.577988430676719	0.000582140542258107	0.744361792246067
LGG	INO80	cg12580230	0.00543616627035845	534	0.125387708312324	0.900263986208053	2.95519037189829e-05	0.947392969408495
LGG	INO80	cg18952654	0.0705684073806493	534	1.63173716559878	0.103326630597024	0.00497990012024128	0.243781029953746
LGG	INO80	cg21007089	0.0489860292482344	534	1.13122697604537	0.258469248372589	0.00239963106150887	0.453095984342052
LGG	INO80	cg21598047	-0.0673614265018582	534	-1.55723678120184	0.120008938073113	0.00453756178036525	0.270725687355655
LGG	INO80	cg22835709	-0.070664554531423	534	-1.63397150373643	0.102856428494243	0.00499347926712446	0.243054980051674
LGG	INO80	cg26409855	0.119124293269022	534	2.76732186906759	0.00584868792961109	0.0141905972468439	0.0281050607694216
LGG	INO80	cg27441689	-0.0494714931423578	534	-1.14246508997508	0.253774651134604	0.00244742863373436	0.447817360148582
LGG	INTS12	cg00093890	-0.0921623840615398	534	-2.13482275166729	0.0332317922737892	0.00849390503590676	0.106546078476226
LGG	INTS12	cg01852585	-0.0507440231676254	534	-1.17192704974556	0.241750899810062	0.0025749558872365	0.434065813460982
LGG	INTS12	cg03607115	-0.0205118809833153	534	-0.473208661480329	0.63625841997744	0.000420737261473691	0.785945234259164
LGG	INTS12	cg19703969	0.00333676035832446	534	0.0769632238458793	0.938681736553545	1.11339696888856e-05	0.967215552701976
LGG	INTS12	cg26533745	-0.118615609576221	534	-2.75533587072985	0.00606414268810227	0.0140696628351385	0.0289171212626105
LGG	IWS1	cg02372421	-0.0572661060227749	534	-1.32302104817549	0.186396741157236	0.0032794068990117	0.36535115592647
LGG	IWS1	cg02592214	0.0263945419827402	534	0.609005590632517	0.542780697498678	0.000696671846478636	0.717301977945207
LGG	IWS1	cg10180764	0.0180466450501121	534	0.416315926025399	0.67734674145651	0.000325681397564737	0.813564059760622
LGG	IWS1	cg10488833	-0.0181681806241548	534	-0.419120538505544	0.675297212671446	0.000330082787191914	0.812237957133972
LGG	IWS1	cg15239145	-0.00708483719492815	534	-0.163416758243986	0.870252368473102	5.01949180786374e-05	0.931191460503645
LGG	IWS1	cg17144508	-0.0761705296882503	534	-1.76200176148538	0.0786432682937414	0.00580194959298862	0.200438174938352
LGG	IWS1	cg18451256	0.0245584382305253	534	0.566614345353219	0.571215186662616	0.000603116888322525	0.739115701926608
LGG	IWS1	cg18530950	-0.0491062040264364	534	-1.13400885411682	0.257301565559025	0.00241141927388599	0.451748357920485
LGG	IWS1	cg19311602	-0.00534363589874758	534	-0.123253390699494	0.901952997458705	2.85544446183838e-05	0.948210280737125

LGG	IWS1	cg19409088	-0.0693571696310824	534	-1.60359342644886	0.109397188127257	0.00481041697923474	0.253921853836133
LGG	IWS1	cg21581038	0.00778731386117447	534	0.179620815485099	0.857518654041081	6.06422571724401e-05	0.924188941460085
LGG	IWS1	cg21679674	0.0419442876770642	534	0.968302399689057	0.333333360603338	0.00175932326873632	0.53294881733097
LGG	IWS1	cg22409775	-0.099017868040753	534	-2.29513862418527	0.0221134960018481	0.00980453819133598	0.0785380436435249
LGG	IWS1	cg23570261	-0.00526871445448969	534	-0.121525245222434	0.903320907297752	2.77593520029486e-05	0.948758505509675
LGG	IWS1	cg23623107	0.00138756545088302	534	0.0320044016426804	0.974480543919673	1.92533788048421e-06	0.98664698964771
LGG	JADE1	cg09863040	-0.0926787306690888	534	-2.14688658664414	0.0322536802712685	0.0085893471184335	0.104187302371925
LGG	JADE1	cg12832492	-0.0782915982633833	534	-1.81136549815287	0.0706481151233414	0.006129574358635	0.185619219423325
LGG	JADE1	cg14617908	0.0204318591999841	534	0.471361788120179	0.637575635242148	0.000417460870367974	0.786859254070434
LGG	JADE1	cg15389440	0.153845932150009	534	3.59122982085606	0.000359617270152758	0.0236685708391051	0.00284425232963234
LGG	JADE1	cg15836763	0.174554719956825	534	4.08890143021227	5.00463651684712e-05	0.0304693502592055	0.000530423287726982
LGG	JADE1	cg20039387	-0.054078895998309	534	-1.24916445136277	0.212154269773233	0.00292452699256053	0.398342524278281
LGG	JADE1	cg22922695	-0.0704039306347904	534	-1.62791504006086	0.104134943821738	0.00495671344882837	0.245212150608962
LGG	JADE1	cg26766900	-0.0645590378513895	534	-1.492175132526	0.136245985342009	0.00416786936829714	0.29563081702977
LGG	JADE2	cg04590931	-0.0533231692770552	534	-1.23165784489823	0.218621063423472	0.00284336038174948	0.406409075892889
LGG	JADE2	cg04842522	-0.0321887577063552	534	-0.742822651181646	0.45791693197711	0.00103611612267844	0.64798100038639
LGG	JADE2	cg17378563	-0.027390203652393	534	-0.631995589578875	0.527661248851269	0.000750223256119562	0.706221525474446
LGG	JADE2	cg18145011	0.00747472029911445	534	0.17241017592437	0.863180640973592	5.58714435499936e-05	0.927285058328265
LGG	JADE2	cg21194015	-0.0891106695474746	534	-2.0635581382429	0.0395441068157775	0.00794071142719921	0.121487017045518
LGG	JADE2	cg25669900	-0.0172662647821411	534	-0.398307935735666	0.690563010032116	0.000298123899527006	0.822193967469674
LGG	JADE2	cg26133206	-0.0694778771304334	534	-1.60639780618459	0.108779882323118	0.00482717541055161	0.252926719034153
LGG	JADE3	cg10860619	-0.0175218750026997	534	-0.404206294173246	0.686223467952654	0.000307016103610234	0.819364702560262
LGG	JADE3	cg17843048	-0.0133148660688875	534	-0.307136279393744	0.758859830665746	0.000177285658432412	0.865687172486072
LGG	JADE3	cg19194595	-0.0438998018480241	534	-1.01353153164196	0.311267068679954	0.00192719260229578	0.510185322886137
LGG	JARID2	cg01769037	0.0676362613079593	534	1.56361945081378	0.118501586679665	0.00457466384371855	0.268438426246516
LGG	JARID2	cg03223185	0.101072867924766	534	2.34325811700684	0.0194835153600313	0.0102157246305372	0.0713539494359419
LGG	JARID2	cg05197191	-0.0913190005852606	534	-2.11313298183361	0.0350553249487718	0.00833915986789084	0.110983800629365
LGG	JARID2	cg06047828	-0.0481398832798198	534	-1.11059600014526	0.267244930580476	0.00231744836219467	0.46295793817395
LGG	JARID2	cg14862454	0.0683000106904064	534	1.57903561715442	0.114922256606361	0.00466489146030963	0.262764204610756
LGG	JARID2	cg15109221	-0.0591900611845458	534	-1.36762398343737	0.172007264854092	0.00350346334303027	0.346374331177761
LGG	JARID2	cg21397480	0.0683010758172839	534	1.57906035735536	0.114916581743324	0.00466503695779836	0.262764204610756
LGG	JARID2	cg21901688	-0.0587403888010799	529	-1.35080503903397	0.177337586736292	0.00345043327650204	0.353606850274497
LGG	JARID2	cg25338254	-0.00509785394987168	534	-0.117584167456124	0.906441529210989	2.59881148942223e-05	0.950474623580532
LGG	JMJD6	cg02318866	-0.00080273860493823	534	-0.0185152723827401	0.985234735831369	6.44389267858175e-07	0.992337496229041
LGG	JMJD6	cg04510639	-0.0428938526435607	534	-0.990263484763695	0.322495521659251	0.0018398825946075	0.521877490732006
LGG	JMJD6	cg07312083	-0.0818769506143174	534	-1.8948642251999	0.0586523193059469	0.00670383504189937	0.161962179756028
LGG	JMJD6	cg08857478	-0.0814387450613925	534	-1.88465501685715	0.0600212986900626	0.00663226919717448	0.164719713508746
LGG	JMJD6	cg10712116	0.0197530265915842	534	0.455694941872434	0.648795299652866	0.000390182059527832	0.794527847952697
LGG	JMJD6	cg12504415	-0.0566581394477002	534	-1.30892969504255	0.19112327386423	0.00321014476567505	0.371576047558203
LGG	JMJD6	cg15457598	-0.0761772116004064	534	-1.76215723182626	0.0786169744526063	0.00580296756721308	0.200384289851776
LGG	JMJD6	cg21102709	-0.12515040012149	534	-2.90948465053433	0.0037717052688459	0.0156626226505691	0.0198013253937507
LGG	JMJD6	cg21807925	0.0281524361142177	534	0.649596936548513	0.516232979439378	0.000792559659165108	0.697375286957321
LGG	JMJD6	cg23630158	-0.0497954166932376	534	-1.14996412082127	0.250675321507689	0.00247958352365316	0.444303961582474
LGG	JMJD6	cg25004679	-0.0320926894359769	534	-0.740603386546855	0.459260690789447	0.00102994071523406	0.649146862170965
LGG	JMJD6	cg25908504	-0.102182328547838	534	-2.36924959440385	0.0181802647635843	0.0104412282674582	0.0676414709942262
LGG	JMJD6	cg26612088	-0.0890911165666469	534	-2.06310172188096	0.0395876157301967	0.00793722705109186	0.121577473377084
LGG	JMJD8	cg00873473	-0.318219654985514	534	-7.7422410176263	4.95784478136498e-14	0.1012637488191	3.40115147197096e-12
LGG	JMJD8	cg02851105	-0.319777281754515	534	-7.7844428082238	3.67652271784834e-14	0.102257509926307	2.57900278009282e-12
LGG	JMJD8	cg03899598	-0.28107988432134	534	-6.74914257958746	3.90410906156995e-11	0.0790059013700979	1.66237690386302e-09
LGG	JMJD8	cg05787952	-0.310108729078829	534	-7.52360198157615	2.28737289530084e-13	0.0961674238508864	1.4281210836038e-11
LGG	JMJD8	cg06191810	-0.317736825666098	534	-7.72917360015457	5.43740757712898e-14	0.100956690384369	3.71027902932585e-12
LGG	JMJD8	cg06646636	-0.280284091148672	534	-6.73473541433083	4.270289479049e-11	0.0785591717510368	1.80545054202792e-09
LGG	JMJD8	cg08398290	-0.330069730857717	534	-8.06509541598254	4.8778222233891e-15	0.108946027228485	3.79465301964633e-13
LGG	JMJD8	cg26750188	-0.102809200371122	534	-2.38393934538303	0.0174780842867545	0.0105697316809495	0.065647455050395
LGG	JMJD8	cg27579097	-0.192011220947717	534	-4.5127324793727	7.88343181054584e-06	0.0368683089698328	0.000106196310696035
LGG	KAT2B	cg00770008	-0.0177328647399395	534	-0.409075067995736	0.682649204384524	0.000314454491884988	0.817065853373894
LGG	KAT2B	cg04371528	0.070602825849374	534	1.63253700200965	0.103158113626235	0.00498475901791704	0.243496825062696

LGG	KAT2B	cg05072819	-0.124014838069118	534	-2.88267093696327	0.00410262728047691	0.0153796800613096	0.0211686533565975
LGG	KAT2B	cg12062464	0.052024873136764	534	1.20158741433933	0.230058048482116	0.00270658742489639	0.420206041966238
LGG	KAT2B	cg14937543	-0.00407554770014064	534	-0.0940037986278524	0.92514153187113	1.66100890561217e-05	0.960605167112233
LGG	KAT2B	cg18053505	-0.0357054304404138	534	-0.824075688462026	0.410265846263451	0.00127487776293523	0.606149983747082
LGG	KAT5	cg00582417	-0.0887674465963236	534	-2.05554678948281	0.0403137470588906	0.00787965957523117	0.123140935074642
LGG	KAT5	cg02561205	-0.113499082949241	534	-2.63489699531775	0.00866163446112983	0.0128820418303186	0.0381726258366833
LGG	KAT5	cg05785768	-0.158238153221337	534	-3.69635325820492	0.000241392537997409	0.0250393131348993	0.00203322770690455
LGG	KAT5	cg07564927	-0.164216608766794	534	-3.83980466431726	0.000137955907343907	0.0269670945948662	0.0012682748588882
LGG	KAT5	cg14726348	-0.135337511452201	534	-3.15056322847041	0.00172121998132923	0.0183162420060746	0.0105218126062806
LGG	KAT5	cg18896539	0.0180905142285925	534	0.417328269834028	0.676606672919567	0.000327266705054909	0.813173994857094
LGG	KAT5	cg20108992	0.0542203600389908	534	1.25244174098802	0.210959227852188	0.00293984744275779	0.396830637411643
LGG	KAT5	cg20423942	-0.0339111021387642	534	-0.782613934055439	0.434202068158251	0.0011499628482657	0.627651405509467
LGG	KAT5	cg22048492	-0.0104248535317107	534	-0.240463618645498	0.810063497501769	0.000108677571157621	0.897412203079557
LGG	KAT6A	cg10163397	-0.109722318377693	534	-2.54613184214582	0.011173203632584	0.0120389871501758	0.0464941536984882
LGG	KAT6A	cg12468056	0.182960130970708	534	4.29245350845803	2.10008651905363e-05	0.0334744095248187	0.000249845741953293
LGG	KAT6A	cg15251374	-0.129357491399628	532	-3.00326646934088	0.00279711647799102	0.0167333605812049	0.0155694676079589
LGG	KAT6A	cg20966972	0.183727983446945	534	4.31109619094367	1.93607897922923e-05	0.0337559719014808	0.000232610545343875
LGG	KAT6B	cg04396765	-0.238172729970703	534	-5.65625494495417	2.52884215803264e-08	0.0567262493016972	6.35223593290253e-07
LGG	KAT6B	cg06972998	-0.102896374083956	532	-2.38149319826137	0.0175946587218614	0.0105876637996254	0.0659674625576406
LGG	KAT6B	cg09631472	-0.0846446717328638	534	-1.95937174338111	0.0505910680703983	0.00716472045276426	0.145577272035087
LGG	KAT6B	cg10359932	0.0536027048808097	534	1.2381331110506	0.216212801038833	0.00287324997053918	0.403474828344247
LGG	KAT6B	cg10739686	-0.0883870630706572	534	-2.04666891815042	0.0411814763704234	0.00781227291825634	0.125029573867297
LGG	KAT6B	cg11128436	-0.0198361980085083	532	-0.457184138017867	0.647725680369993	0.00039347475143275	0.793580250389052
LGG	KAT6B	cg11348552	0.114126456910808	534	2.64965323866117	0.00829711035510106	0.0130248481670145	0.036949581616408
LGG	KAT6B	cg15874302	0.46765672615989	534	12.2032320879064	2.26526859244528e-30	0.218702813522586	6.33900377268662e-28
LGG	KAT6B	cg15912797	0.166200326031714	534	3.88749861945696	0.000114086082998383	0.0276225483730481	0.00107905322076307
LGG	KAT6B	cg17147776	-0.0292948913728886	534	-0.675980459240682	0.499346796858744	0.000858190660549345	0.683550672441125
LGG	KAT6B	cg18462764	0.00332933391940972	534	0.0767919292481869	0.938817941807766	1.10844643469321e-05	0.967279027415315
LGG	KAT6B	cg18491775	0.14121688515925	534	3.29015684214887	0.00106764497169521	0.0199422086540808	0.00708974587520764
LGG	KAT6B	cg24671245	0.00989010356546789	534	0.228127634201062	0.819634671599392	9.78141485356807e-05	0.902872470935446
LGG	KAT6B	cg26605858	0.092110568022022	534	2.13361222653057	0.0333313301136724	0.00848435674133954	0.106768405454296
LGG	KDM1A	cg00062312	0.148816318996136	534	3.47111843184879	0.00056041286522777	0.0221462967995596	0.00412730411982893
LGG	KDM1A	cg00541565	0.0354232344659778	534	0.817554434495762	0.413977644535607	0.00125480554003164	0.609550230514499
LGG	KDM1A	cg04886391	-0.175927403254226	534	-4.12207905612536	4.3547132622718e-05	0.0309504512157749	0.000470776213898974
LGG	KDM1A	cg06958034	0.27169287360725	534	6.51156926820258	1.72338852863341e-10	0.0738170175689653	6.57847336587379e-09
LGG	KDM1A	cg07118078	0.0158279925795191	534	0.365120369161414	0.715166664828503	0.000250525349097312	0.838058014988943
LGG	KDM1A	cg07785945	0.0907469414098763	534	2.10176146495043	0.0360437685342061	0.00823500737524753	0.113374936493209
LGG	KDM1A	cg10499166	0.0293025351321244	534	0.676156990761439	0.499234811018708	0.000858638565169387	0.683451337451841
LGG	KDM1A	cg12578844	-0.0175451169516417	534	-0.404742619934964	0.685829393640931	0.000307831128846787	0.8191581994857
LGG	KDM1A	cg22683154	-0.192656233546315	534	-4.528475185079	7.33863989401423e-06	0.0371164243242521	9.94776358102357e-05
LGG	KDM1A	cg26662347	0.16503027765296	534	3.85936164696542	0.000127647323914508	0.0272349925422132	0.00118768041102801
LGG	KDM1B	cg11007366	-0.163526545576737	534	-3.82322492743835	0.000147306247049915	0.0267409311082607	0.00134139554992404
LGG	KDM1B	cg15124342	-0.287346818063611	534	-6.91950953704697	1.30735109077373e-11	0.0825681938512819	6.09371304707318e-10
LGG	KDM1B	cg20677365	-0.0851418351923909	525	-1.95422117006629	0.0512075817009717	0.00724913209992825	0.14681368802408
LGG	KDM1B	cg22406543	0.0653065174133336	534	1.50952545806035	0.131758219493912	0.00426494121665804	0.288740497684706
LGG	KDM1B	cg23073439	-0.25237207129238	534	-6.01572067832507	3.33375826638178e-09	0.0636916623684062	9.97102616589406e-08
LGG	KDM1B	cg23860886	-0.0904599167782351	534	-2.09505884287758	0.0366380045838996	0.00818299654352522	0.114745041106249
LGG	KDM1B	cg24342628	0.0814291485075349	534	1.88443145097037	0.0600515720314522	0.00663070622666218	0.164773561060371
LGG	KDM2A	cg05038268	-0.0299703537442731	534	-0.691580627360957	0.489502418704035	0.000898222103556862	0.675470965670883
LGG	KDM2A	cg05295919	-0.0728394828442403	534	-1.68452643711255	0.0926664918716087	0.00530559026101637	0.225567041167118
LGG	KDM2A	cg06320126	-0.0127688402447575	534	-0.294538911042083	0.76846102787757	0.000163043281196139	0.871692077771906
LGG	KDM2A	cg07283932	-0.0654618032230177	534	-1.51313023610574	0.130840399284096	0.00428524768120909	0.2874498170547
LGG	KDM2A	cg08836144	-0.102874815828599	520	-2.35387998730546	0.0189511785389569	0.0105832277317681	0.0698084751637656
LGG	KDM2A	cg09993857	-0.0136968315032385	534	-0.315948771208808	0.752165306666522	0.000187603193228107	0.861201855971137
LGG	KDM2A	cg11637544	0.0614443081964229	534	1.41990354943112	0.156221481333164	0.003775403009737	0.324577331171836
LGG	KDM2A	cg16004548	-0.0459907525601323	534	-1.06190610482063	0.288760124693261	0.00211514932104731	0.486293749723152
LGG	KDM2A	cg18132081	-0.0176168745387076	534	-0.40639848532632	0.684613259853424	0.000310354268512565	0.818462811598952

LGG	KDM2A	cg21293464	-0.06620828178321	534	-1.53046040661567	0.12649718450294	0.00438353657668493	0.280785990846192
LGG	KDM2A	cg21711868	0.00570600964547928	534	0.131611969369194	0.895340975050799	3.25585460743025e-05	0.944426499750579
LGG	KDM2A	cg25597833	-0.0607070300011986	534	-1.40280253741528	0.161259037410114	0.00368534349156643	0.331460865368704
LGG	KDM2B	cg03486832	0.165254868435754	534	3.8647612355293	0.000124932085698551	0.0273091715417185	0.00116646263500157
LGG	KDM2B	cg05067991	0.0197993822988276	534	0.456764769613818	0.648026566782687	0.000392015539415126	0.793839361550159
LGG	KDM2B	cg07020001	0.163150715466767	534	3.81419750853182	0.000152645823851722	0.0266181559573178	0.00138225226640913
LGG	KDM2B	cg07529210	0.169575923218426	534	3.96876907938387	8.21607541764004e-05	0.0287559937353814	0.000811942798577095
LGG	KDM2B	cg07793808	0.166263057213919	534	3.8890076358401	0.000113398722203321	0.0276434041941191	0.00107333497932658
LGG	KDM2B	cg09151742	0.15442016833086	534	3.60496105232397	0.000341559119699106	0.0238455883873313	0.00272385957538413
LGG	KDM2B	cg12251659	0.0196200736923692	534	0.452626583012882	0.651002172312467	0.000384947291693997	0.795947261298354
LGG	KDM2B	cg12888660	-0.0576572607685327	534	-1.33208795070294	0.18340165106549	0.00332435971933058	0.361587877797754
LGG	KDM2B	cg15234492	0.15260132229137	534	3.56148127412524	0.000401855204290739	0.0232871635650747	0.00311559933850845
LGG	KDM2B	cg15316703	0.00502336332091508	534	0.115865965768939	0.907802491106752	2.52341790539149e-05	0.951106865716191
LGG	KDM2B	cg16837338	0.112834203820622	534	2.61679922029633	0.00912874141894929	0.0127315575518336	0.0397582191213605
LGG	KDM2B	cg17452615	0.148072118630332	534	3.45336994969849	0.000597740556734577	0.021925352315675	0.0043613420437638
LGG	KDM2B	cg20055546	-0.0101352193133296	534	-0.23378210995308	0.815244071164202	0.000102722670529289	0.900582691584053
LGG	KDM2B	cg21249371	0.153643863408619	534	3.58639880664835	0.000366180769643885	0.0236064367631263	0.00288852837088586
LGG	KDM2B	cg21781916	0.0344067002893218	534	0.794065004134771	0.427511639836448	0.00118382102479921	0.621827845887305
LGG	KDM2B	cg26218726	0.0071646386113164	534	0.165257528064388	0.868804063247619	5.13320464307658e-05	0.930448007933443
LGG	KDM2B	cg26509318	0.15548541273392	534	3.63044327704752	0.000310280043795431	0.0241757135730374	0.00251257507664696
LGG	KDM3A	cg01744130	-0.139337799024847	534	-3.24550396800308	0.00124617851775045	0.0194150222370886	0.00806555363768898
LGG	KDM3A	cg02152982	-0.0877785233203753	534	-2.03246792363128	0.0426024645239802	0.00770506915630567	0.128229363351332
LGG	KDM3A	cg02972551	-0.0598229854475733	534	-1.38230034657815	0.167459542941852	0.00357878958786057	0.340237344501513
LGG	KDM3A	cg03037033	-0.0858238238884813	534	-1.98686813236235	0.0474494904320644	0.00736572874684105	0.138885004841298
LGG	KDM3A	cg04793821	-0.076030519058297	534	-1.75874414104456	0.0791958640676874	0.00578063982827407	0.201509879285722
LGG	KDM3A	cg07052513	-0.0301796254409335	534	-0.696414061584595	0.486473711743682	0.000910809791755038	0.67295512111172
LGG	KDM3A	cg07211384	-0.083693534379117	534	-1.93537734049841	0.0534745910863276	0.00700461088706459	0.151542834103303
LGG	KDM3A	cg12888358	-0.120198439972115	534	-2.79263901834623	0.00541618335118063	0.0144476649717302	0.0264417658058716
LGG	KDM3A	cg18611949	-0.0652437538419677	534	-1.50806850659185	0.132130593805408	0.00425674741539127	0.289369050574234
LGG	KDM3A	cg19139691	-0.0515114311620802	534	-1.18969704431217	0.23469615779958	0.00265342754036572	0.425732241287612
LGG	KDM3A	cg20191795	0.0487545415147089	534	1.12586849740153	0.260728818601962	0.00237700531830947	0.455954540054424
LGG	KDM3A	cg20918903	-0.0743133901149635	534	-1.71880023677471	0.0862324994930703	0.00552247995037876	0.214297567900713
LGG	KDM3A	cg22404242	-0.0677509543690474	534	-1.56628314893276	0.117876939447504	0.00459019181791674	0.267493610853477
LGG	KDM3A	cg24749656	-0.00531726088077013	534	-0.1226450216791	0.902434517567693	2.82732632741683e-05	0.948407803786136
LGG	KDM3B	cg00435490	0.0997284364766295	534	2.31177377463283	0.02117123152793	0.00994576104207312	0.0760701485143312
LGG	KDM3B	cg03315484	-0.0659849355957388	534	-1.52527495494508	0.127784773510207	0.00435401172557379	0.282705671045914
LGG	KDM3B	cg05191700	-0.0706156148600302	534	-1.63283420197676	0.103095552644679	0.00498656506206012	0.243405627388168
LGG	KDM3B	cg05708550	-0.25729099022229	534	-6.14119866281379	1.60417131257845e-09	0.0661986536495666	5.10826455549439e-08
LGG	KDM3B	cg05722427	0.0464871798517	534	1.07339308256846	0.283581418503835	0.00216105789056431	0.480826938264395
LGG	KDM3B	cg15001364	-0.0349498751426945	534	-0.806616034280022	0.420248170001416	0.00122149377248994	0.615486306400778
LGG	KDM3B	cg18682923	0.00869230811785181	534	0.200496749453958	0.841168722710246	7.55562204156724e-05	0.914959166869699
LGG	KDM3B	cg19076659	0.0257481424054294	534	0.594081088654467	0.552710409113594	0.000662966837330271	0.72488633053576
LGG	KDM3B	cg24137987	-0.0861658254314476	534	-1.99484475914772	0.0465695121758188	0.00742454947228271	0.136958590284502
LGG	KDM4A	cg00154982	-0.240618443920471	532	-5.70712926876042	1.91387798380892e-08	0.0578972355547089	4.93824954800766e-07
LGG	KDM4A	cg00979347	0.245270988538227	534	5.83545252614455	9.32931910136257e-09	0.060157857818519	2.56544733181831e-07
LGG	KDM4A	cg03587511	0.238545557820739	534	5.66564285460538	2.40166522599905e-08	0.0569039831560075	6.06607612309644e-07
LGG	KDM4A	cg08552254	-0.412654725036573	532	-10.4392507626044	2.4860027935411e-23	0.170283922095009	4.34597980496036e-21
LGG	KDM4A	cg10958452	0.255685021268938	534	6.10017601629813	2.04034839772196e-09	0.0653748301012971	6.3669018552901e-08
LGG	KDM4A	cg10968649	0.220247363043637	534	5.20791837266275	2.73415481001661e-07	0.0485089009276755	5.36310739511931e-06
LGG	KDM4A	cg12293275	0.176956660386864	534	4.14697236978299	3.92067283493509e-05	0.0313136596552718	0.000430187803434699
LGG	KDM4A	cg17737314	0.145170197767366	534	3.38421883807944	0.000766448158614232	0.0210743863198163	0.00537114386552883
LGG	KDM4A	cg19743044	0.0993604162845205	534	2.30315759264141	0.0216548057617139	0.0098724923242332	0.0773823591835909
LGG	KDM4A	cg20873046	-0.142350240081696	534	-3.31710635428469	0.000971695133678094	0.0202635908513165	0.00655611892709052
LGG	KDM4A	cg21451504	-0.491824719059585	534	-13.0286825142244	7.12840225358644e-34	0.24189155427804	2.31061218714793e-31
LGG	KDM4A	cg22094309	-0.372514258647346	534	-9.25845145351782	5.06805484711561e-19	0.138766872895582	6.1031619005652e-17
LGG	KDM4A	cg24324755	0.00373484410292867	534	0.0861452476214534	0.931383366191077	1.3949060473181e-05	0.963680928157119
LGG	KDM4A	cg24505556	-0.0373789395054759	534	-0.862752842527422	0.388662123392865	0.00139718511855403	0.586415462126155

LGG	KDM4A	cg25841161	0.184003898578136	534	4.31779712425893	1.88017430683343e-05	0.033857434691953	0.000227086290988666
LGG	KDM4B	cg01098771	-0.0108429684538997	534	-0.250109127906145	0.80259950861143	0.000117569964892264	0.892327120365491
LGG	KDM4B	cg12072803	0.132929367096762	534	3.09348558976105	0.00208210848228172	0.0176702166367457	0.0122866985716926
LGG	KDM4B	cg18115693	0.109110287922509	534	2.53175793135555	0.0116359518799644	0.0119050549305329	0.0479707069713806
LGG	KDM4C	cg00121158	0.0621626530089577	534	1.43656764937321	0.151428676026375	0.00386419542911208	0.317749431482866
LGG	KDM4C	cg00667760	0.151743442970826	534	3.54098643420411	0.000433611628204266	0.0230260724846403	0.00332273276246283
LGG	KDM4C	cg05545111	0.109309759717032	534	2.53644232790871	0.011483304725004	0.0119486235693953	0.0475050363082672
LGG	KDM4C	cg14196303	0.0150724380422237	534	0.347687166100811	0.728212652885022	0.000227178388536671	0.846333275855029
LGG	KDM4C	cg14473811	0.192056234291468	534	4.51383091453797	7.8441940698206e-06	0.0368855971302194	0.000105740986565175
LGG	KDM4C	cg14497348	0.0181003197224136	534	0.417554545906612	0.676441297792961	0.000327621574053595	0.813063167400661
LGG	KDM4E	cg15555590	-0.0379224065947772	534	-0.875314680964661	0.381797718841601	0.0014381089219396	0.580272281210349
LGG	KDM4E	cg19409026	0.0423317996212332	534	0.977264270007781	0.328882508708869	0.00179198125917224	0.528590599832477
LGG	KDM5B	cg00528052	-0.0233081211979335	534	-0.537750824748762	0.59097395848456	0.000543268513777555	0.753799444603179
LGG	KDM5B	cg00571448	0.0752713578347776	534	1.74108259093083	0.0822471920733779	0.00566577731029113	0.207099467880122
LGG	KDM5B	cg02624558	0.0413090709069467	534	0.95361288059486	0.340712711240685	0.00170643933919515	0.539963860302556
LGG	KDM5B	cg04504182	-0.07088362520076	534	-1.63906259997693	0.101791414162643	0.00502448832160182	0.241285879318951
LGG	KDM5B	cg08915090	0.0405848977455802	534	0.936867638516809	0.349251744501895	0.0016471339250192	0.548273437832316
LGG	KDM5B	cg09889216	-0.138838037161204	534	-3.23363412782129	0.00129808608378651	0.0192760005627758	0.00833641592423524
LGG	KDM5B	cg11171004	0.261435478470207	534	6.24731779087566	8.55826307436913e-10	0.0683485094029463	2.86604183214581e-08
LGG	KDM5B	cg11221497	-0.077226051890055	534	-1.78656393283373	0.0745773117396514	0.00596386309052546	0.193079774062655
LGG	KDM5B	cg13134514	-0.0421538087021847	534	-0.973147873795159	0.330922070178235	0.00177694358810038	0.530645824451615
LGG	KDM5B	cg13253785	0.0482311943396357	534	1.11375472463862	0.265887365564411	0.0023262481074277	0.461695982605696
LGG	KDM5B	cg13993945	0.101954593230213	534	2.36169091586229	0.0185518151003296	0.0103947390807382	0.068695316479368
LGG	KDM5B	cg14560895	-0.0206126556027233	534	-0.475534515620602	0.634601228926707	0.00042488157099648	0.784742775443082
LGG	KDM5B	cg21105875	0.22507856749682	527	5.29301331889977	1.77102631933162e-07	0.0506603615464207	3.64195668744604e-06
LGG	KDM5B	cg24354901	0.294490605731607	534	7.10765614733496	3.81576928243913e-12	0.0867247168641689	1.96325367432586e-10
LGG	KDM5B	cg27531483	-0.159801391023597	534	-3.73382173804271	0.000208933990673482	0.0255364845730765	0.00180077674168544
LGG	KDM5C	cg01859586	0.0205751870800795	534	0.474669749379851	0.635217168427291	0.00042338323380269	0.785130034963976
LGG	KDM5C	cg04927657	0.074849099524051	534	1.73126025784054	0.0839851112653705	0.00560238769956129	0.210182973967452
LGG	KDM5C	cg04927982	-0.203446476147334	534	-4.79275376108835	2.13744956368363e-06	0.0413904686567679	3.34717621495568e-05
LGG	KDM5C	cg09554224	0.130044199648046	534	3.02517493243082	0.0026049907150555	0.0169114938621008	0.0146988211856841
LGG	KDM5C	cg12234996	-0.189871808188151	534	-4.46055955538272	9.97992621498024e-06	0.0360513035446378	0.000130703430971073
LGG	KDM5C	cg16417926	-0.0583621689844264	534	-1.34842916393477	0.178094161569535	0.00340614276856675	0.354674924504949
LGG	KDM5C	cg16824069	-0.21025183258647	534	-4.9603625289695	9.48146314016571e-07	0.0442058331059689	1.63439163200986e-05
LGG	KDM5C	cg19903753	-0.122685927870279	534	-2.85130634602269	0.00452311283029039	0.0150518368973914	0.0228769936622853
LGG	KDM5C	cg24985300	0.125302631935588	534	2.91308013890317	0.00372923114516594	0.0157007495699855	0.019618055701044
LGG	KDM5C	cg27526317	-0.116168760382645	534	-2.69771188757141	0.00720339710630143	0.0134951808888403	0.033152758355772
LGG	KDM6A	cg00751785	-0.462480702646079	534	-12.0311552233255	1.17366849182376e-29	0.213888400320011	3.15932064543037e-27
LGG	KDM6A	cg03267667	0.0200664560619051	534	0.462928532575297	0.643604895373154	0.00040266265888437	0.790773252110986
LGG	KDM6A	cg03478540	-0.0469107749907432	534	-1.08319540549156	0.279212382773332	0.0022062081023214	0.476269560968107
LGG	KDM6A	cg06877198	0.00399138018882551	534	0.0920624170649531	0.926683103992048	1.59311158117488e-05	0.961321948533324
LGG	KDM6A	cg07167981	-0.34284799090849	534	-8.41804180399588	3.56475479243876e-16	0.117544744869988	3.19489094842144e-14
LGG	KDM6A	cg11895950	-0.24528858742212	534	-5.835898040356	9.30591991050544e-09	0.0601664911195389	2.55991772813953e-07
LGG	KDM6A	cg14384228	-0.0854380200360446	534	-1.97787073748457	0.0484588652034273	0.00729965526767956	0.140953784245109
LGG	KDM6A	cg15923127	0.0979332754977408	534	2.26975400549069	0.0236218388840903	0.00959092644971639	0.0826090058057504
LGG	KDM6A	cg17824914	-0.292794908206272	534	-7.0628800427974	5.12731961534952e-12	0.085728858271519	2.56676127513836e-10
LGG	KDM6A	cg20211377	-0.0895045822416523	534	-2.07275357656314	0.038676163672176	0.0080110702422527	0.119452655102162
LGG	KDM6A	cg22133177	0.233189939308351	534	5.53103921874264	4.99864150354071e-08	0.0543775477946326	1.16670962234157e-06
LGG	KDM6A	cg27306636	-0.266553403306756	534	-6.37887432783991	3.87986935958068e-10	0.0710507168144142	1.38134795836177e-08
LGG	KDM6B	cg01046511	-0.0943073418612649	534	-2.18494867677784	0.0293281668894078	0.00889387472893749	0.0970668119546731
LGG	KDM6B	cg02308232	-0.0285279223533949	534	-0.65826801819134	0.510650680016687	0.000813842353801328	0.692879600258453
LGG	KDM6B	cg24893073	-0.260606527482921	534	-6.22606318280727	9.71279671172709e-10	0.0679157621667066	3.22216335774882e-08
LGG	KDM8	cg00636124	-0.0484802583989124	534	-1.11951962646638	0.263423708513487	0.00235033545442531	0.458823030445572
LGG	KDM8	cg01755539	-0.0547177968236955	534	-1.26396643358032	0.20679560805181	0.00299403728923922	0.391527112676932
LGG	KDM8	cg06329197	0.00781014419660543	534	0.180147448074061	0.857105412291018	6.09983523717694e-05	0.923935572266652
LGG	KDM8	cg08572679	-0.0124679018480485	534	-0.287596071042346	0.773767946699668	0.00015544857649257	0.874551477510264
LGG	KDM8	cg09140090	-0.0624468988297489	534	-1.44316217638726	0.149563332688123	0.0038996151734529	0.31504668495299

LGG	KDM8	cg10214171	-0.037765536081838	534	-0.871688656118487	0.383771457812038	0.0014262357155486	0.581949469280875
LGG	KDM8	cg10221365	-0.0426802030845956	534	-0.985322067524207	0.324913796097472	0.00182159973534232	0.524295210539839
LGG	KDM8	cg16752029	-0.045757366897646	534	-1.05650599801724	0.291216621365388	0.00209373662540579	0.488778982578188
LGG	KDM8	cg24206694	-0.0616092028865865	534	-1.42372856518254	0.155111280740056	0.00379569388032058	0.322929290292866
LGG	KDM8	cg24705286	0.00308037204467726	534	0.0710495039244561	0.943385056958298	9.48869193362915e-06	0.969801085180229
LGG	KIAA2026	cg03495688	0.274659471626464	534	6.58843605999986	1.07038604960005e-10	0.0754378253541286	4.26804778793367e-09
LGG	KIAA2026	cg25608569	-0.24590554908759	534	-5.85152025527365	8.52063341004915e-09	0.0604695390720692	2.36649109425692e-07
LGG	KMT2B	cg09284703	-0.253160529508974	534	-6.0357998031445	2.96797877665514e-09	0.0640902537012639	8.95273132807716e-08
LGG	KMT2B	cg13830730	-0.0123638136524452	534	-0.285194708530431	0.775605968179458	0.000152863888032391	0.875770860814279
LGG	KMT2B	cg15496871	0.129796065993295	534	3.01930367406078	0.00265513274857958	0.0168470187473358	0.0149373298411195
LGG	KMT2B	cg24471867	-0.0911141620404855	534	-2.11033760067926	0.035295465505187	0.00830179052433985	0.111517157156629
LGG	L3MBTL1	cg01071811	-0.18835834607794	534	-4.42369127725476	1.17730533791513e-05	0.0354788665372171	0.000151109208806747
LGG	L3MBTL1	cg01877937	-0.152202593850538	534	-3.55195458174185	0.000416335555651876	0.0231656295748318	0.00320899714816031
LGG	L3MBTL1	cg02177317	-0.118213662220559	534	-2.74586643323628	0.0062394026471738	0.0139744699355965	0.0295824042865821
LGG	L3MBTL1	cg02472486	-0.0137963893896417	534	-0.318245737378502	0.750423430754112	0.000190340360190619	0.860125535892347
LGG	L3MBTL1	cg02611863	-0.141846892347895	534	-3.30513584909357	0.00101328084235371	0.0201205408687554	0.00678842317000208
LGG	L3MBTL1	cg03486259	-0.0499485111917254	534	-1.1535084797417	0.249219706793827	0.00249485377026992	0.4427003843595
LGG	L3MBTL1	cg04984575	-0.079450114931756	534	-1.83833812233379	0.0665699021571122	0.00631232076266924	0.177670473734403
LGG	L3MBTL1	cg06362543	0.0565691150276729	534	1.30686642410699	0.191822696381572	0.00320006477501408	0.372303149601019
LGG	L3MBTL1	cg06446163	-0.256209208702867	534	-6.11355982457983	1.88664030962016e-09	0.0656431586241495	5.92289331100043e-08
LGG	L3MBTL1	cg06908806	0.0684854985495297	534	1.58334411241191	0.113937310280227	0.00469026351157763	0.261271602533234
LGG	L3MBTL1	cg07678583	-0.00173485215740415	534	-0.0400146424118463	0.968096464463175	3.00971200804984e-06	0.983292326313032
LGG	L3MBTL1	cg08369943	0.00246651212022046	534	0.0568905838862882	0.95465371541163	6.08368203919443e-06	0.97594295618398
LGG	L3MBTL1	cg08633313	-0.125663345361841	534	-2.92160048695745	0.0036303141845571	0.0157912763675292	0.0191783312937217
LGG	L3MBTL1	cg09541000	-0.0470818943280485	534	-1.08715540661394	0.277460439733178	0.00221670477351753	0.474244352256511
LGG	L3MBTL1	cg10360552	-0.10254810003567	534	-2.37782052366481	0.0177676175799595	0.0105161128209259	0.06649095834209
LGG	L3MBTL1	cg12699433	-0.0366325597553325	534	-0.84550207561693	0.398210678461164	0.00134194443422801	0.594800536081713
LGG	L3MBTL1	cg14306330	-0.0334529442291244	534	-0.772028455844779	0.440440380716444	0.00111909947759691	0.633071699049967
LGG	L3MBTL1	cg15123011	-0.0713075333982024	534	-1.64891469872803	0.0997554528857929	0.00508476431933575	0.237858631208158
LGG	L3MBTL1	cg15302378	-0.10564536604141	534	-2.45043655498296	0.0145892800701842	0.0111609433660234	0.0571220722623134
LGG	L3MBTL1	cg15330298	-0.0938229537294992	534	-2.17362626106233	0.0301735115020751	0.00880274664652774	0.0991220436847956
LGG	L3MBTL1	cg15388309	-0.248283331094062	534	-5.91179959889916	6.05262676227804e-09	0.0616446124991635	1.72791943612719e-07
LGG	L3MBTL1	cg16862791	-0.135114630444086	534	-3.14527814968388	0.00175203620593101	0.0182559633600419	0.0106749612002034
LGG	L3MBTL1	cg17091610	-0.274892756644914	534	-6.59448924078269	1.03078589364364e-10	0.0755660276558401	4.11927937847885e-09
LGG	L3MBTL1	cg17774347	0.0434200119438328	534	1.00243339956156	0.31659004072237	0.00188529743720259	0.51586212906512
LGG	L3MBTL1	cg18911945	-0.0683090796284871	534	-1.57924626580113	0.114873945468442	0.00466613035969099	0.262730161515024
LGG	L3MBTL1	cg20091959	-0.16749342254269	534	-3.91861426532345	0.000100679755619117	0.0280540465950639	0.000969461679494194
LGG	L3MBTL1	cg20252111	-0.0899274489431785	534	-2.08262600424516	0.0377624431342625	0.00808694607342798	0.117362131005026
LGG	L3MBTL1	cg20529070	-0.143513489850315	534	-3.34478057109935	0.000881547323250661	0.0205961217690165	0.00604239324619924
LGG	L3MBTL1	cg22330467	-0.02210374701116	534	-0.509950281826291	0.610297782684606	0.000488575631933365	0.767598553097171
LGG	L3MBTL1	cg22457903	-0.20008564945842	534	-4.71024928271249	3.16153108941258e-06	0.0400342671191977	4.73614769054038e-05
LGG	L3MBTL1	cg22601123	-0.107109889480151	534	-2.48479758231357	0.0132688698572246	0.0114725284244501	0.0531577279319038
LGG	L3MBTL1	cg23626798	-0.224017108299907	534	-5.30172486159087	1.68428797588066e-07	0.0501836648110521	3.47737523340346e-06
LGG	L3MBTL1	cg24343973	0.0285369192269334	534	0.658475785869376	0.510517311847764	0.00081435575896452	0.692822006955233
LGG	L3MBTL1	cg02358112	-0.0267764605312162	534	-0.617823937338442	0.536955777549085	0.000716978838579779	0.712959973645411
LGG	L3MBTL1	cg06235991	-0.0573934313546956	534	-1.32597236107071	0.185417874314665	0.00329400596266615	0.364123747019616
LGG	L3MBTL1	cg08053598	0.0406128631313108	534	0.937514261694256	0.348919498286623	0.00164940465172258	0.547983547790047
LGG	L3MBTL1	cg09993119	-0.0474667341275338	534	-1.09606162448169	0.27354772261051	0.00225309084873398	0.469931356169111
LGG	L3MBTL1	cg12821546	-0.0495979287066972	534	-1.14539210847321	0.252561753962419	0.00245995453199462	0.446479777479262
LGG	L3MBTL1	cg13843727	-0.0198153759908027	534	-0.457133883322998	0.647761424551241	0.000392649125656882	0.793600701287194
LGG	L3MBTL1	cg14679202	-0.082362573257988	534	-1.90617943827441	0.057165515022775	0.00678359347367743	0.15893974537819
LGG	L3MBTL1	cg15283028	0.016681669569578	534	0.384818343973776	0.700525796781901	0.000278278099628585	0.828469026296606
LGG	L3MBTL1	cg19467356	0.00845183032191702	534	0.194949487534291	0.845506919206552	7.1433435790476e-05	0.917484276586384
LGG	L3MBTL1	cg24240981	0.0518612839840524	534	1.1977988877453	0.231528699488523	0.00268959277647453	0.422003792708404
LGG	L3MBTL1	cg26947834	0.0307868668983672	534	0.710439707468006	0.477742819561217	0.000947831173417776	0.665405490256258
LGG	L3MBTL1	cg27177954	-0.0336707795911529	534	-0.777061356954539	0.437467948754175	0.001133721398276	0.630346019732956
LGG	L3MBTL1	cg03454037	-0.158762171739691	534	-3.70891000870528	0.000230019974071332	0.025205427175503	0.00195095659211788

LGG	L3MBTL3	cg07826275	-0.00737700921960026	534	-0.170156271210688	0.864951928180905	5.44202650260673e-05	0.928328991638113
LGG	L3MBTL3	cg08106148	-0.0187811782172266	534	-0.433266647170691	0.664996678010563	0.000352732655227226	0.805517518165669
LGG	L3MBTL3	cg08358392	-0.180933462598002	534	-4.2432869782672	2.59866265396693e-05	0.0327369178877027	0.00030101304720474
LGG	L3MBTL3	cg09710740	-0.0177141444833958	534	-0.408643079404868	0.682966048868338	0.000313790914778623	0.817319336763737
LGG	L3MBTL3	cg10237990	-0.041836295913669	534	-0.965804985346875	0.334580597420046	0.00175027565577608	0.534167155697971
LGG	L3MBTL3	cg16487825	-0.0224770291327248	534	-0.518566501644376	0.604278690684492	0.000505216838633361	0.763185187005293
LGG	L3MBTL3	cg16800851	-0.104348262274561	534	-2.42001704432563	0.015853818724925	0.0108885598397206	0.060887446092783
LGG	L3MBTL3	cg18411550	-0.0263676069432646	534	-0.608383681451063	0.54319268564692	0.000695250695914498	0.717572582098805
LGG	L3MBTL3	cg18798995	-0.0218169467278116	534	-0.503330409177461	0.614940319962951	0.00047597916452417	0.7709075376875
LGG	L3MBTL3	cg22934935	-0.15768935846965	534	-3.6832062432494	0.000253865310421038	0.0248659337745699	0.0021198971064355
LGG	L3MBTL3	cg24516147	-0.026683162385804	534	-0.615669695591586	0.538375838337851	0.000711991154907187	0.714046713283689
LGG	LBR	cg01017344	0.0108388118529023	534	0.250013238480181	0.802673623186749	0.000117479842382615	0.8923770520792
LGG	LBR	cg05530459	0.0092353525026072	534	0.213023640591194	0.831390127138589	8.52917311863958e-05	0.909651953567734
LGG	LBR	cg12994003	-0.096771893188317	534	-2.24258119253946	0.0253348823539119	0.00936479931125103	0.0870731980490489
LGG	LBR	cg14607642	-0.0285298928924823	534	-0.658313524467014	0.510621467517257	0.000813954788456511	0.692852047582326
LGG	LBR	cg18107727	0.0677536351637304	534	1.56634541000776	0.117862370036015	0.00459055507789989	0.267477138480817
LGG	LBR	cg18289048	0.0228391829172789	534	0.526430596701566	0.598808874916559	0.000521628276328925	0.759212125806884
LGG	LBR	cg18764107	0.0289193180036657	534	0.667306791840436	0.504865527678749	0.000836326953797141	0.688054182758848
LGG	LBR	cg19322477	-0.0651992747533166	534	-1.50703600973089	0.132394978726791	0.00425094542835847	0.289766689752641
LGG	LBR	cg20483690	-0.0468426821552996	534	-1.07754573319779	0.281728584158757	0.00219423687150242	0.478856725645008
LGG	LBR	cg26930584	-0.0739737699735779	534	-1.70768280644492	0.0882808248943436	0.00547211864410381	0.217946700892722
LGG	MBD1	cg01719254	-0.116150326840153	534	-2.69727796285348	0.00721266202002144	0.0134908984250743	0.0331855825162969
LGG	MBD1	cg03841029	-0.205244873430557	534	-4.83697473460406	1.72882954934266e-06	0.0421254580695253	2.77705071157471e-05
LGG	MBD1	cg05549078	-0.168522336232949	534	-3.94338776434403	9.10870356391935e-05	0.0283997778094111	0.000889310347705248
LGG	MBD1	cg12090413	-0.117145050496659	534	-2.72069776054879	0.00672766757516131	0.0137229628558648	0.0313960510703119
LGG	MBD1	cg13478031	-0.0111922920824721	534	-0.258167788548406	0.796377258212354	0.000125267402059369	0.888500637123851
LGG	MBD1	cg14389183	-0.18754383462042	534	-4.40386313910869	1.286100139422e-05	0.0351726899041316	0.000163055531691973
LGG	MBD1	cg19328682	-0.234286964172565	534	-5.55856706133469	4.30791860432717e-08	0.0548903815811968	1.02298601924612e-06
LGG	MBD1	cg21282183	0.0295936319988293	534	0.682879919690848	0.494979978883139	0.000875783054882135	0.679989978053877
LGG	MBD2	cg15090185	-0.137077938403998	534	-3.18884875799428	0.00151264386125529	0.0187903611970902	0.0094654614335983
LGG	MBD2	cg16852837	-0.0590004478548321	534	-1.36322751801987	0.173387462938678	0.00348105284707077	0.348321209355937
LGG	MBD2	cg17987217	-0.0753808730843948	534	-1.74363022610409	0.0818012332808461	0.00568227602696563	0.20622351227721
LGG	MBD2	cg22224310	-0.0388621071960545	534	-0.897037004615242	0.370104919422505	0.00151026337571763	0.568797133518133
LGG	MBD2	cg22836370	-0.00181660949997956	534	-0.0419003946743522	0.966593822211333	3.30007007541599e-06	0.982430099361229
LGG	MBD2	cg23388714	-0.0510827883714038	534	-1.17977119200327	0.238618513278285	0.00260945126779763	0.430363703030021
LGG	MBD2	cg24881765	-0.0758297465217317	534	-1.75407295886577	0.0799937667373555	0.00575015045755008	0.203048652100164
LGG	MBD2	cg25192916	0.171479907026857	534	4.01467238641654	6.80832350580938e-05	0.0294053585139397	0.000693241211291141
LGG	MBD3	cg08660999	0.0135499461600427	534	0.312559898968771	0.754737526736599	0.000183601040940056	0.863016736210034
LGG	MBD3	cg09174855	0.0488817655175466	534	1.12881345637803	0.25948529414878	0.00238942700011241	0.454372318027555
LGG	MBD3	cg12286540	-0.0799730699146052	534	-1.85051602681882	0.0647933947109734	0.00639569191156633	0.17413690763456
LGG	MBD5	cg03890220	0.19931107120173	534	4.69125895318577	3.4567961769418e-06	0.0397249031035811	5.13202293490477e-05
LGG	MBD5	cg04152151	0.229782457310597	534	5.44567646624504	7.89626573189817e-08	0.0527999776876962	1.7565973587283e-06
LGG	MBD5	cg05218490	0.120252382471979	534	2.79391068017353	0.00539524299838104	0.0144606354901871	0.0263608550317834
LGG	MBD5	cg06394585	0.110481650861359	534	2.56396930792295	0.0106217861569873	0.0122061951770512	0.0446815540924962
LGG	MBD5	cg06758980	0.204268161763884	534	4.8129519607461	1.94042727899318e-06	0.0417254819103962	3.0775453566156e-05
LGG	MBD5	cg20595490	0.176260343465069	534	4.13012992018739	4.20956853507276e-05	0.0310677086784241	0.000457245426720819
LGG	MBD5	cg21412502	-0.0831817123888979	534	-1.92526882876546	0.0547284968664674	0.00691919727594933	0.154124988605197
LGG	MBD5	cg23120335	-0.157979566564708	534	-3.69015807795853	0.000247196396359823	0.0249575434519729	0.00207246432357109
LGG	MBD5	cg25686162	0.106019477508948	534	2.45921251202589	0.0142414376802818	0.0112401296112704	0.0560734083864684
LGG	MBD5	cg26664634	-0.196553187896512	534	-4.62371799458956	4.7370849834943e-06	0.0386331556722817	6.78793128027179e-05
LGG	MBTD1	cg01388767	0.0642503962836417	534	1.48501175208657	0.138132990257129	0.004128113422605	0.298472845153545
LGG	MBTD1	cg14577476	0.0407624833807583	534	0.94097385890788	0.347145318871202	0.0016615800513666	0.546422170573746
LGG	MBTD1	cg17045523	-0.0684759997053007	534	-1.58312347011121	0.113987587898407	0.00468886253564034	0.261332827953094
LGG	MBTD1	cg18711617	0.0883762776455133	534	2.04641720744709	0.0412063082774915	0.00781036645047686	0.125072319396768
LGG	MBTD1	cg22141797	-0.0313743516476277	534	-0.724009775710947	0.469377982253388	0.000984349941308999	0.658220653473097
LGG	MBTD1	cg25259117	0.0172813667049722	534	0.398656419438053	0.690306338087026	0.000298645635191723	0.822027818020052
LGG	MBTD1	cg25716740	0.0505693599504731	534	1.16788286407135	0.243377146117194	0.00255726016580051	0.436005868890453

LGG	MBTD1	cg25855326	-0.0993028067406366	534	-2.30180890990565	0.0217313654334827	0.00986104742656823	0.0775704250037786
LGG	MBTD1	cg27207041	0.0283081937886757	534	0.653193805754292	0.513913529230929	0.000801353835577216	0.695463053491126
LGG	MBTD1	cg27214721	-0.053562646407547	534	-1.23720516387149	0.216556739947832	0.00286895709017991	0.403817931225018
LGG	MBTD1	cg27353579	-0.0657692012343312	534	-1.5202664464623	0.129038108261078	0.00432558783100195	0.284639765051246
LGG	MLLT10	cg00879184	-0.0788173396815324	534	-1.82360490574979	0.0687727579048592	0.00621217303447405	0.181957893019441
LGG	MLLT10	cg03524461	-0.161322984108209	534	-3.77031973838515	0.000181304283660495	0.0260251052015775	0.00159696393150867
LGG	MLLT10	cg04188362	-0.135013770267667	534	-3.14288665680868	0.00176614700778307	0.0182287181618904	0.0107449472373095
LGG	MLLT10	cg05913198	-0.0801254324759326	534	-1.85406433944186	0.0642832105113098	0.00642008492945523	0.173135579508269
LGG	MLLT10	cg06398735	-0.0477796412654441	534	-1.10330348938265	0.270394206696582	0.00228289411945453	0.466512462092569
LGG	MLLT10	cg11443787	-0.295645289529589	534	-7.13818843082649	3.11689946806544e-12	0.0874061372210345	1.63283553682615e-10
LGG	MLLT10	cg15910013	-0.0548598847314446	534	-1.2672585212063	0.205617307108087	0.00300960695274739	0.389913822786376
LGG	MLLT10	cg19119538	-0.272917828793151	534	-6.54328431359988	1.41670156971852e-10	0.0744841412731678	5.49406191000413e-09
LGG	MLLT10	cg20569108	-0.267192024720593	534	-6.39533057407175	3.51099492888198e-10	0.0713915780742898	1.25984473937936e-08
LGG	MLLT10	cg23344688	-0.141144772212321	534	-3.28844255028672	0.00107403639989384	0.0199218467228681	0.00712185370724015
LGG	MLLT10	cg26877631	-0.181727692885595	534	-4.26254813120766	2.39119602649886e-05	0.033024954361521	0.000279772452527376
LGG	MLLT10	cg27470303	-0.0881972823036652	534	-2.0422399125219	0.0416202698522251	0.00777876060575241	0.125999426893567
LGG	MLLT10	cg27572529	-0.12626685707041	534	-2.93585856483804	0.00347012410562031	0.0159433191944394	0.0185205018299003
LGG	MLLT6	cg05652455	0.109121228018159	534	2.53201484058464	0.011627533598858	0.0119074424041911	0.0479563327743376
LGG	MORF4L	cg03589001	-0.112915569789211	534	-2.62117525289537	0.00901341530900562	0.0127499259008223	0.0393971025142591
LGG	MORF4L	cg07757959	0.0649593800641073	534	1.5014674693194	0.133827969637824	0.00421972105831315	0.291911203420858
LGG	MORF4L	cg08692282	0.134451457152549	534	3.12955548761216	0.0018467447906993	0.0180771943304436	0.0111386001122392
LGG	MORF4L	cg13747872	-0.0431529302550973	534	-0.996255772352974	0.319578800606885	0.0018621753896013	0.51890616381232
LGG	MORF4L	cg15822222	-0.0198874922617177	534	-0.458798237875849	0.646566440122907	0.000395512348459882	0.792791123648305
LGG	MORF4L	cg20775702	-0.178401077573015	534	-4.18193033129255	3.38013315540591e-05	0.0318269444792129	0.000378146602263962
LGG	MORF4L	cg20905746	0.153636159399281	534	3.58621463004243	0.000366433204116996	0.0236040694749613	0.00289022657214616
LGG	MORF4L	cg23623458	-0.221352037897946	522	-5.17599907661172	3.24412441138196e-07	0.0489967246815736	6.24377571645344e-06
LGG	MORF4L	cg24795825	-0.113069857428669	522	-2.61243945274134	0.00924641056113184	0.0127847926589396	0.0401381208187428
LGG	MPHOSF	cg00331616	0.0297031107925983	534	0.685408394938705	0.493384790877065	0.00088227479075737	0.678709443016876
LGG	MPHOSF	cg03134886	0.0215536323512541	534	0.497252743519597	0.619216271551709	0.000464559067533026	0.774060139945585
LGG	MPHOSF	cg03428000	0.0817346551401459	534	1.89154893821398	0.0590939952513677	0.00668055385087857	0.162840787311285
LGG	MPHOSF	cg04203901	0.145209527344352	534	3.3851554385104	0.000763893056148182	0.0210858068315701	0.00535661586533186
LGG	MPHOSF	cg06019692	-0.153299552309598	534	-3.57816815521109	0.000377622425126431	0.0235007527383232	0.00296375695523463
LGG	MPHOSF	cg09559995	-0.170217021389757	534	-3.98422023065089	7.71397098385017e-05	0.0289738343708008	0.000769718220246248
LGG	MPHOSF	cg11051893	0.135865048265332	534	3.16307441853212	0.00165025147108843	0.0184593113401409	0.010165976016703
LGG	MPHOSF	cg19693579	-0.024832837216289	534	-0.572949186675291	0.56692117588674	0.000616669804210709	0.73578567903322
LGG	MPHOSF	cg20759595	-0.0782612121746946	534	-1.81065814807329	0.0707577706386597	0.00612481733105256	0.18581946491118
LGG	MPHOSF	cg20952532	-0.0385033513511967	534	-0.888743648282431	0.374542529633571	0.0014825080652737	0.57321637485617
LGG	MPHOSF	cg21958444	-0.0137885279742729	534	-0.317765287817714	0.750787903317312	0.000190123503697305	0.860340474762359
LGG	MPHOSF	cg22656705	0.00176957819166817	534	0.0408156064283424	0.967458210354251	3.13140697642758e-06	0.982898960496999
LGG	MSH6	cg00620552	-0.0836198210963984	534	-1.93548021656135	0.0534609466926237	0.00699227448019368	0.151509686229726
LGG	MSH6	cg02905881	-0.0887629600334805	534	-2.05544207113549	0.0403238909704775	0.00787886307390525	0.123151707689336
LGG	MSH6	cg05039065	-0.0618716703304365	534	-1.42981719016439	0.153356480535712	0.00382810358947822	0.320549574044687
LGG	MSH6	cg07652213	-0.0150285211779736	534	-0.34667387385643	0.728973418291311	0.000225856448796801	0.84676402051338
LGG	MSH6	cg09898070	-0.0557535891286789	534	-1.28796686954647	0.198317429039876	0.00310846270072954	0.380907737074491
LGG	MSH6	cg11869233	0.00591319279898906	534	0.136390916710345	0.891563849932529	3.49658490780161e-05	0.942573783113618
LGG	MSH6	cg16595246	0.0310575172217595	534	0.716691255399396	0.47387912982966	0.000964569375979886	0.661836466597881
LGG	MSH6	cg18222961	0.0297557802510411	534	0.686624834942744	0.492618336605331	0.000885406458348248	0.678054901910237
LGG	MSH6	cg19076255	-0.0307388534253665	534	-0.708663719034815	0.47884417405036	0.000944877109906168	0.666284312752864
LGG	MSH6	cg19736286	-0.0518861106030415	534	-1.19837383593377	0.231305083009599	0.00269216847351106	0.421801075652725
LGG	MSH6	cg21405109	-0.0612392170432902	534	-1.41514627043966	0.15761069065647	0.00375024170407521	0.326355232071585
LGG	MTA1	cg01318265	-0.120763388560127	534	-2.80595858713975	0.00520045827655866	0.0145837960165243	0.0255826768158976
LGG	MTA1	cg01655777	-0.0356265433037158	534	-0.82225266939166	0.41130147854978	0.00126925058777154	0.607093936043676
LGG	MTA1	cg05922925	-0.120020854518708	534	-2.78845272588308	0.0054856395638633	0.0144050055194008	0.0267069180944478
LGG	MTA1	cg13052453	0.0566569000565517	534	1.30890097012793	0.191132998307858	0.00321000432401809	0.371582587188795
LGG	MTA1	cg13981078	0.0355154486852967	534	0.819685387090508	0.412762552388195	0.00126134709531794	0.608379542032916
LGG	MTA1	cg16531924	-0.0745209433825405	534	-1.72362752298193	0.0853560980073511	0.0055533710026238	0.212676711561843
LGG	MTA1	cg20222911	-0.134279142705694	534	-3.12547091968742	0.00187210935826568	0.018030888165776	0.0112617037421521

LGG	MTA1	cg21517792	0.205223675978657	534	4.83645321148003	1.73317750842867e-06	0.0421167571821929	2.78288567782662e-05
LGG	MTA1	cg23123838	-0.0196914732921312	534	-0.454274378565985	0.649816636327363	0.000387754120414715	0.795252810521982
LGG	MTA1	cg23883989	-0.1296367786512	534	-3.01553497258595	0.00268778296841835	0.0168056943790603	0.0150839264352285
LGG	MTA1	cg23966123	-0.117938496423276	534	-2.73680879877897	0.00641170022685151	0.0139094889385831	0.0302169871840847
LGG	MTA2	cg00501779	-0.0447081621687874	534	-1.03223149578877	0.302432704491268	0.00199881976451059	0.500768258797759
LGG	MTA2	cg07654871	-0.0720151681461437	534	-1.66536292208384	0.0964290928486706	0.00518618444311734	0.232068208787919
LGG	MTA2	cg09086761	-0.00303722870957614	534	-0.0700543835331569	0.944176698707741	9.22475823427355e-06	0.970166188076476
LGG	MTA2	cg13708959	-0.0192696501711035	534	-0.444539434276219	0.656833410444086	0.000371319417716711	0.800089224647103
LGG	MTA2	cg19570317	-0.0573783981597955	534	-1.32562389866131	0.185533250523685	0.00329228057538402	0.36426756407237
LGG	MTA2	cg21002970	0.0650221278535578	534	1.50292397315522	0.13345200056424	0.00422787711060441	0.291403738821128
LGG	MTF2	cg05396182	-0.0819721870004577	534	-1.89708316592671	0.0583582415080087	0.006719439441638	0.161362788430003
LGG	MTF2	cg05962718	-0.467256510405106	531	-12.1554516188882	3.73655104578622e-30	0.218328646515957	1.03814732877105e-27
LGG	MTF2	cg09936581	0.113931540600822	534	2.6450683732121	0.00840886948051143	0.0129803959436769	0.0373336144485165
LGG	MTF2	cg11404133	-0.139826148421809	534	-3.25710519379378	0.00119730895012706	0.0195513517824777	0.00780553527748134
LGG	MTF2	cg14474880	-0.361193780573908	534	-8.92571423020192	7.20162723582885e-18	0.130460947125272	7.82462834055963e-16
LGG	MTF2	cg15463775	-0.297134747841195	534	-7.1776235228508	2.39775713088573e-12	0.0882890583746502	1.28376543867945e-10
LGG	MTF2	cg16813892	-0.0616220555000563	534	-1.42402670855435	0.155024998454782	0.00379727772405202	0.322779614318747
LGG	MTF2	cg19708337	-0.411904347319555	531	-10.3967497206767	3.6625116415568e-23	0.169665191340749	6.38261366484372e-21
LGG	MTF2	cg22801127	-0.121716363201225	534	-2.82843276946132	0.00485405171423757	0.0148148730709325	0.0242016248684306
LGG	MTF2	cg23992808	-0.159507573962253	534	-3.72677719083156	0.000214704337129213	0.0254426661513237	0.00184133052614155
LGG	MTF2	cg26054395	-0.341608179667564	534	-8.38357039218014	4.61947264416365e-16	0.116696148415786	4.07908348331518e-14
LGG	NAP1L2	cg02379437	0.0465926375430237	534	1.07380925416954	0.283396822337848	0.00217087387321558	0.48069449670658
LGG	NAP1L2	cg04297329	0.0669309484738123	534	1.54724022172752	0.122399967236096	0.00447975186360412	0.274416641723532
LGG	NAP1L2	cg07693661	-0.00037999501439194	531	-0.0087398859620178	0.993029963617232	1.44396210962732e-07	0.996424215321221
LGG	NAP1L2	cg20001978	0.0824630933318974	531	1.90313299092477	0.0575657490392019	0.00680016176186522	0.159749933319861
LGG	NAP1L2	cg23483095	0.0625086589549623	534	1.44459506306637	0.149160357900084	0.00390733244434778	0.314588919407465
LGG	NCOA1	cg11380327	-0.104303300873451	534	-2.41896284016569	0.015899324045656	0.0108791785730976	0.0610099380213388
LGG	NCOA1	cg13911252	0.000647571944631888	534	0.0149363311038111	0.988088574740842	4.19349423474324e-07	0.993709878122428
LGG	NCOA1	cg15477048	0.0670805532234115	534	1.5507142440805	0.121564835246612	0.00449980062075895	0.273095232122642
LGG	NCOA1	cg23006163	0.0151912191063004	534	0.350427807460988	0.726156365071057	0.000230773137935627	0.844908888189318
LGG	NCOA3	cg04175879	0.0446915661920059	534	1.03184755737337	0.302612388616864	0.00199733608869444	0.500966721145307
LGG	NCOA3	cg09568061	0.011149156614871	534	0.257172677331111	0.797144909741248	0.000124303693222922	0.889000101903932
LGG	NCOA3	cg12128876	0.0844282571791073	534	1.95432612419908	0.0511861268375841	0.00712813061030148	0.146762993926103
LGG	NCOA3	cg14341558	-0.0453520320006711	534	-1.04712771969555	0.295516176857362	0.00205680680658989	0.493440340468805
LGG	NCOA3	cg14774045	0.00468874995884661	534	0.108147793569739	0.913919231593085	2.19843761765841e-05	0.954571403479444
LGG	NCOA3	cg18295930	-0.0781382612522507	534	-1.80779605643749	0.071202890496045	0.00610558787152499	0.186660746866026
LGG	NCOA3	cg21735648	0.0902365996655102	534	2.08984428804168	0.0371060830344152	0.00814264391919356	0.115840548319728
LGG	NCOA3	cg22511723	0.0450364255717237	534	1.03982585795739	0.298893152213717	0.0020282796282774	0.497147674484486
LGG	NCOA3	cg22876277	0.0277808944726748	534	0.64101721815422	0.521787530719807	0.000771778097701891	0.701679865246176
LGG	NCOA3	cg24856420	0.113631626471529	534	2.63801423844653	0.00858345442461903	0.0129121465345652	0.0379204528087235
LGG	NCOA3	cg25373408	0.0297647809837365	534	0.686832714077815	0.492487420229872	0.000885942187009802	0.677966526328726
LGG	NCOR1	cg00253204	0.0367186487544748	534	0.847491742261913	0.397102192213928	0.00134825916635449	0.593737611783401
LGG	NCOR1	cg08125503	0.00396618618214034	534	0.0914813003475068	0.927144599083134	1.5730632831401e-05	0.961504345069898
LGG	NCOR1	cg08206308	0.0829759997624221	534	1.92047449052783	0.0553322384569803	0.00688501653657348	0.155285567941983
LGG	NCOR1	cg21211144	0.150988993598169	534	3.52296931901208	0.000463454603995602	0.0227976761877879	0.00351952239976902
LGG	NCOR1	cg22291359	0.114595046616584	534	2.66067686742103	0.00803383947015906	0.013132024709057	0.0360458036970353
LGG	NCOR1	cg22625220	0.093727125158955	534	2.17138648404405	0.0303432008669908	0.00878477399056241	0.0995285646686632
LGG	NCOR2	cg08976554	-0.290250717137305	534	-6.99583538573423	7.95807666901432e-12	0.08424547879872	3.85864340686576e-10
LGG	NCOR2	cg10641483	0.21986802917491	534	5.1984926821024	2.86939478113095e-07	0.048341950253259	5.59312697577803e-06
LGG	NCOR2	cg13416396	-0.0117010952974845	534	-0.269905705676417	0.787337460282703	0.000136915631160815	0.882833322860923
LGG	NCOR2	cg13419087	0.261237924135784	534	6.24225108083246	8.82065185389094e-10	0.0682452530067737	2.94756782784189e-08
LGG	NCOR2	cg13857025	0.163391699309344	534	3.81998573088529	0.00014920156373693	0.0266968474031952	0.00135643174586312
LGG	NCOR2	cg16181859	-0.0131297312378813	534	-0.302865001254229	0.762111131242405	0.000172389842378995	0.867806515667262
LGG	NCOR2	cg19895345	-0.0754071933219713	534	-1.74424251890034	0.0816943462819689	0.00568624480469715	0.206047528681737
LGG	NCOR2	cg23611643	-0.00714776709737194	534	-0.16486835458841	0.869110225675076	5.10905744782729e-05	0.930580358895956
LGG	NCOR2	cg24626542	-0.069694580534643	534	-1.61143262276605	0.107678545047625	0.00485733455589984	0.251229485452266
LGG	NCOR2	cg25113767	0.0321911850785936	534	0.742878725960169	0.457883007529787	0.00103627239676427	0.647971715863864

LGG	NCOR2	cg25449924	-0.0953149732189902	534	-2.2085067592776	0.0276345759330121	0.00908494411973681	0.092862450278031
LGG	ORC1	cg00298020	-0.168478302044862	534	-3.9423272673885	9.14792978277718e-05	0.0283849382599196	0.000892580019467412
LGG	ORC1	cg02275620	-0.018255118688182	534	-0.421126773849796	0.673832593260066	0.000333249358319611	0.811406921553984
LGG	ORC1	cg04407474	-0.0524183268076625	534	-1.21069972247028	0.226548095920574	0.00274768098531491	0.416103944612091
LGG	ORC1	cg07142859	0.0478928999246818	534	1.10592480696781	0.269258922780866	0.00229372986319559	0.46522440063997
LGG	ORC1	cg08613513	0.0213164238244761	534	0.491777726217655	0.623079328662516	0.000454389924664693	0.776728478832505
LGG	ORC1	cg10586599	-0.0581783038141358	534	-1.34416659938643	0.179467426469412	0.00338471503468989	0.35634372244566
LGG	ORC1	cg13460942	-0.0457382912408426	534	-1.05606463074777	0.291418019432304	0.00209199128563214	0.489011505688452
LGG	ORC1	cg16136434	0.000862996674272167	534	0.0199051337423805	0.984126512888133	7.44763259804821e-07	0.991672987016132
LGG	ORC1	cg16965475	-0.0787843835476948	534	-1.82283763284401	0.0688891040832827	0.00620697909099028	0.182178976885981
LGG	ORC1	cg17146111	-0.287916676068338	534	-6.93447114079368	1.18653678962175e-11	0.0828960123582402	5.56392061554156e-10
LGG	ORC1	cg19776520	-0.121821424849549	534	-2.83091094299463	0.00481716483011704	0.0148404595523743	0.0240700443698455
LGG	ORC1	cg21197365	-0.0304243711453301	534	-0.70206693594902	0.48294445775172	0.000925642359588795	0.669910343998705
LGG	ORC1	cg23606758	-0.0517192369855484	534	-1.19450932978054	0.232811078757946	0.00267487947436732	0.423567086716145
LGG	ORC1	cg25605769	0.0161376283318606	534	0.372264894068945	0.709843877969127	0.000260423048177269	0.834755712405035
LGG	PADI1	cg14524955	-0.194345559205053	534	-4.56973520459659	6.07675490319154e-06	0.0377701963827246	8.44924166110603e-05
LGG	PADI1	cg21010178	-0.0340232687994788	534	-0.785205556039353	0.43268259236561	0.00115758281980159	0.626362782904227
LGG	PADI1	cg22193702	-0.037654753461804	534	-0.869127980925456	0.385169065866894	0.00141788045826924	0.583260512526992
LGG	PADI2	cg00569276	-0.53732783160825	534	-14.6951904688145	2.81296253473553e-41	0.288721198620824	1.17651401842589e-38
LGG	PADI2	cg01603374	-0.304816360476785	534	-7.3819248773636	6.04994740809058e-13	0.092913013614313	3.53606017028549e-11
LGG	PADI2	cg07014827	-0.394486168667722	526	-9.82716583197714	4.95101396112264e-21	0.155619337270139	7.1590925667579e-19
LGG	PADI2	cg09313801	-0.198317483388514	534	-4.66691256863204	3.87429570511799e-06	0.0393298242175537	5.67450089804675e-05
LGG	PADI2	cg10233913	-0.328591467307354	534	-8.02459162642646	6.5505484362877e-15	0.1079723523872	5.02557559223437e-13
LGG	PADI2	cg15185794	-0.29676970742096	534	-7.16795336508023	2.55732268103709e-12	0.0880722592427223	1.36169993599315e-10
LGG	PADI2	cg171783414	-0.285181264642027	534	-6.86272585376395	1.88605991242233e-11	0.0813283537028256	8.50081951488893e-10
LGG	PADI2	cg18228326	-0.283004987693656	534	-6.79937682284144	2.83563680099152e-11	0.0800918230594863	1.23790981647775e-09
LGG	PADI2	cg18879300	-0.436631179051171	534	-11.1944178370311	2.8841108119929e-26	0.190646786519616	6.42884001456091e-24
LGG	PADI2	cg19282714	-0.195868842002675	534	-4.60697601753862	5.11882804383136e-06	0.0383646032674689	7.26800709694865e-05
LGG	PADI3	cg01459162	-0.0549263715781887	534	-1.26879900621537	0.205067621515724	0.00301690629474526	0.38928820273778
LGG	PADI3	cg12858514	-0.131561880429576	534	-3.05822010673606	0.00233882661143737	0.017308528382166	0.0134935239847344
LGG	PADI3	cg14664242	-0.0398390153516142	534	-0.919621953984213	0.358187128638787	0.00158714714418615	0.557173611511984
LGG	PADI3	cg17589397	-0.0516108979381836	534	-1.19200043739154	0.233792519338513	0.0026636847859856	0.424709230535966
LGG	PADI3	cg18768338	-0.113433738151648	534	-2.63336022713495	0.00870041078557444	0.0128672129510566	0.0382892887171453
LGG	PADI3	cg21966975	-0.149464901468458	534	-3.48659143439557	0.000529657753939683	0.022339756770976	0.003936581189451
LGG	PADI4	cg16091981	0.00708762442192451	534	0.163481050826173	0.870201776120026	5.02344199462607e-05	0.931150133029095
LGG	PADI4	cg18333690	-0.0164310904736931	534	-0.37903632848019	0.704812116678123	0.00026998073415469	0.831554666506133
LGG	PADI4	cg19159961	0.00263237281118731	534	0.0607162187984958	0.951608016527608	6.92938661707818e-06	0.974365848055973
LGG	PADI4	cg21295838	-0.0116478991722006	534	-0.268678479500132	0.788281270994544	0.000135673555125751	0.883421015266647
LGG	PADI4	cg23228178	0.0368232087222749	534	0.849908330563148	0.395758371802461	0.00135594870060423	0.592479924101314
LGG	PADI4	cg26918754	-0.0950598732325928	534	-2.20254196265203	0.0280551862280579	0.00903637949899661	0.0939326514923837
LGG	PADI6	cg12643633	-0.176441125840288	534	-4.1345020514409	4.1326862909907e-05	0.0311314708877882	0.000450466859074304
LGG	PADI6	cg16017904	-0.0655960717724538	534	-1.51624721208371	0.130050795185432	0.00430284463197691	0.286224334756995
LGG	PARP1	cg00653565	-0.0629126491624833	534	-1.45396838623919	0.146544742895271	0.00395800142464172	0.310812773761409
LGG	PARP1	cg02088626	0.0346549812291722	534	0.799801892897903	0.424182557630312	0.00120096772399428	0.61918523451594
LGG	PARP1	cg03149313	0.0891092369586553	534	2.0635246978903	0.0395472932100095	0.00794045611135379	0.121491874174699
LGG	PARP1	cg04960271	0.0079753144042272	534	0.183957475617362	0.854116909947148	6.36056398462738e-05	0.92216741958416
LGG	PARP1	cg07113065	-0.0384416743224008	534	-0.887317895604837	0.375308731649982	0.00147776232470953	0.573970083894512
LGG	PARP1	cg17661881	-0.0885446002693444	534	-2.05034561062777	0.0408202077479284	0.00784014623685799	0.124200846430786
LGG	PARP1	cg25722198	-0.0382296382099209	534	-0.882416455167825	0.37795017407894	0.00146150523766144	0.576548735068672
LGG	PARP1	cg26464410	-0.0516844234740599	534	-1.19370312135233	0.233126135135891	0.00267127962984596	0.423882541936695
LGG	PARP2	cg01813761	0.0377202709751586	529	0.866541352722353	0.386587706555778	0.00142281884243939	0.584532634476194
LGG	PARP2	cg10910545	-0.104100855024342	534	-2.41194623661936	0.0162057828840713	0.0108369880167991	0.0619271379154848
LGG	PARP2	cg15078479	-0.0216912713821692	534	-0.500429632684217	0.61697954177182	0.000470511254174914	0.772460379600739
LGG	PARP2	cg15365367	-0.0905711917173635	534	-2.09765728155236	0.0364066480472079	0.00820314076910342	0.114253443180023
LGG	PARP2	cg18899035	0.0979499108489222	511	2.22052846839982	0.0268224504407278	0.0095941850353118	0.0908097184083027
LGG	PARP2	cg19540080	-0.0499632970586442	534	-1.15385079824457	0.24907943615401	0.00249633105297032	0.44254088326211
LGG	PARP2	cg24595957	-0.059441886011566	534	-1.37346314414404	0.170186923415466	0.00353333781261201	0.343910474067661

LGG	PARP2	cg26206608	-0.020146381108927	534	-0.464773132248158	0.642284090026029	0.000405876671786132	0.789972095617376
LGG	PARP2	cg26430074	-0.105648367525915	534	-2.45050696001709	0.014586459882121	0.0111615775608909	0.0571139047750011
LGG	PAXIP1	cg02824291	0.00130524202561001	534	0.0301055963678967	0.975994127915468	1.70365674541852e-06	0.987381599702393
LGG	PAXIP1	cg12220104	0.0213337187847722	534	0.492176908908767	0.622797320179357	0.000455127557187744	0.776589964833508
LGG	PAXIP1	cg22583711	-0.0203805484729775	534	-0.470177560162686	0.638420847499487	0.000415366756059386	0.787350963242523
LGG	PAXIP1	cg24448952	-0.104555896698421	534	-2.42488561652977	0.0156451508831615	0.0109319355344108	0.0603024422351578
LGG	PAXIP1	cg24452135	0.122099147278378	534	2.83746227047973	0.00472087206295082	0.014908201766107	0.0236923760573638
LGG	PCGF1	cg03203239	0.0483519960801624	534	1.11655080723213	0.264690467207515	0.00233791552493604	0.460316325887855
LGG	PCGF1	cg08092637	0.0928432300278665	534	2.15073028835939	0.0319472826689806	0.00861986536200734	0.103433781752567
LGG	PCGF1	cg27306986	-0.070742228611385	534	-1.63577658450209	0.102477808461729	0.00500446290890545	0.2424548715511
LGG	PCGF2	cg09395368	0.00802395637011462	534	0.185079516354712	0.853237203671382	6.4383875829503e-05	0.921812856158839
LGG	PCGF2	cg17902383	-0.0542778147160178	534	-1.25377281192135	0.210475258417321	0.00294608117034636	0.396141394365689
LGG	PCGF2	cg20228512	-0.0234251096687517	534	-0.540451389934284	0.589111958466161	0.000548735762993046	0.75244841638755
LGG	PCGF2	cg25377665	-0.111877991000073	534	-2.59678259774507	0.0096704676488462	0.0125166848702124	0.041516095289632
LGG	PCGF5	cg03905463	0.0058131187349782	534	0.134082576864563	0.893387984324793	3.37923494269546e-05	0.94347561529545
LGG	PCGF5	cg06001881	-0.007867798624557	534	-0.181477377256324	0.856062009216641	6.19022551965809e-05	0.92341220112312
LGG	PCGF5	cg07421809	-0.167741839445717	534	-3.92459427226291	9.82802951677232e-05	0.0281373247006326	0.000950120204085729
LGG	PCGF5	cg07424295	0.0410409020368759	534	0.947411768807684	0.343859130523721	0.00168435564000045	0.543211370597635
LGG	PCGF5	cg08633154	0.0497628086521608	534	1.14920920804498	0.25098612008521	0.00247633712495157	0.444623906405903
LGG	PCGF5	cg11113644	0.00872019089687494	534	0.201139942371288	0.840666028390165	7.60417292779406e-05	0.914642569614619
LGG	PCGF5	cg12783297	0.00850165963357322	534	0.196098930734087	0.84460761487499	7.22782165251283e-05	0.916969605554459
LGG	PCGF5	cg15550435	-0.0107481357084817	534	-0.247921416322905	0.804290870105434	0.000115522421207939	0.893559377738944
LGG	PCGF5	cg17001035	0.0887325434406879	534	2.05473213782538	0.0403927184160331	0.00787346426545357	0.123269464772241
LGG	PCGF5	cg20515900	0.00644649964753644	534	0.148692411067432	0.881852694028518	4.15573577056875e-05	0.937272867235422
LGG	PCGF5	cg22968329	-0.0229591163645869	534	-0.529694518146568	0.596544724242261	0.000527121024242643	0.757645863319851
LGG	PCGF5	cg23395902	0.0136548142385544	534	0.314979365792133	0.752900823877351	0.000186453951889429	0.861720857624167
LGG	PCGF5	cg25390656	0.20863022423908	534	4.92035667755073	1.15362976758261e-06	0.0435265704660487	1.94212235748369e-05
LGG	PCGF6	cg01917164	-0.19738413300399	534	-4.6440558561445	4.31006152176422e-06	0.038960495961737	6.24389061497441e-05
LGG	PCGF6	cg06691148	0.0337142971445147	534	0.778066806344862	0.43687552074328	0.00113665383194863	0.62987754014532
LGG	PCGF6	cg11612727	-0.165474616633416	534	-3.87004499743085	0.000122328013385233	0.0273818487499759	0.00114517274046821
LGG	PCGF6	cg11814370	-0.102205162707766	534	-2.36978462670411	0.0181542615163733	0.0104458952841209	0.0675770429400807
LGG	PCGF6	cg14409890	-0.252183256249394	534	-6.01091415639885	3.42764475654274e-09	0.0635963947325477	1.02439568263729e-07
LGG	PCGF6	cg16113748	-0.042874228019193	534	-0.989809588821869	0.322717160912123	0.00183819942824176	0.52210582959338
LGG	PCGF6	cg16382383	-0.0174406595955408	534	-0.402332191630184	0.687601167433425	0.000304176607127528	0.820279480751957
LGG	PCGF6	cg24418712	-0.0444909198000976	534	-1.0262399126115	0.305245772129709	0.00197944194465872	0.503793138794072
LGG	PCGF6	cg25481680	-0.0708717408738826	534	-1.6387864078687	0.10184896447782	0.00502280365449476	0.24139287519689
LGG	PCGF6	cg26155979	0.0247407547956679	534	0.57082333527698	0.568360432855062	0.000612104947859364	0.736892628804485
LGG	PCGF6	cg27217148	0.308432365674085	534	7.47864282181966	3.11932222968296e-13	0.0951305241953124	1.90924117652208e-11
LGG	PHC1	cg02770112	-0.00145447189266394	534	-0.0335476117734844	0.973250481115371	2.11548848654942e-06	0.985955430860693
LGG	PHC1	cg08021945	-0.163931208891101	534	-3.82934274257106	0.000143818386960418	0.0268734412484978	0.00131316990553976
LGG	PHC1	cg08867249	-0.0373665921971783	534	-0.862467452608346	0.388818944869399	0.00139626221243023	0.586508757078576
LGG	PHC1	cg09059548	0.0650245740783193	534	1.50298075537056	0.133437359920208	0.00422819523406683	0.291387957069883
LGG	PHC1	cg09912793	-0.345439547657886	534	-8.49025817705274	2.06590646761863e-16	0.119328481086085	1.92473206876556e-14
LGG	PHC1	cg12581035	0.18216020251261	534	4.27304069678784	2.28492761114507e-05	0.0331823393794352	0.000269242136597122
LGG	PHC1	cg14199415	0.131653712623956	534	3.06327279989364	0.00230016211330246	0.0173327000476711	0.0133138996608818
LGG	PHC2	cg06899053	-0.197347134663123	534	-4.64315007921349	4.32826596526675e-06	0.0389458915597449	6.26792856481686e-05
LGG	PHC2	cg13640100	-0.0226107602540339	534	-0.521653379659975	0.602128789918542	0.000511246479265401	0.761612252205131
LGG	PHC2	cg15586632	0.000985701694108668	534	0.0227353440188843	0.981869907379745	9.71607829768698e-07	0.99061807066414
LGG	PHC2	cg16558908	-0.0250064703910896	534	-0.576957790974131	0.564212021955866	0.000625323561420441	0.73394623838137
LGG	PHC2	cg17161743	-0.161566325177908	534	-3.77615924098127	0.000177217031417923	0.0261036774314934	0.00156859958381225
LGG	PHC2	cg19746874	0.114776139128672	534	2.66493757208631	0.00793411013175982	0.0131735621132843	0.0357036605559291
LGG	PHC2	cg21198021	-0.0965089317142724	534	-2.23642998203911	0.0257373085203688	0.0093139739006301	0.0880594704241355
LGG	PHC2	cg21578869	-0.0212446579427198	534	-0.490121312107882	0.624250118765348	0.000451335491103167	0.777416684102018
LGG	PHC2	cg23886755	-0.0287444766838175	534	-0.661396257847071	0.508646188931896	0.000826244939826525	0.69114770204171
LGG	PHF1	cg01097444	-0.0457695737768893	534	-1.05678843801957	0.291087791851411	0.00209485388371812	0.488665597600021
LGG	PHF1	cg02776641	0.079165129566898	534	1.83170239257851	0.0675547316043551	0.00626711773934374	0.179639473267106
LGG	PHF1	cg03560363	-0.0862589659260354	534	-1.99701723186339	0.0463322463980124	0.00744060920262893	0.136431923699952

LGG	PHF1	cg03876174	-0.0894113220574258	534	-2.07057643651291	0.0388801801699152	0.00799438451205671	0.119948836034427
LGG	PHF1	cg06618123	0.0137175866864814	534	0.316427627058919	0.751802067462256	0.00018817218450113	0.86102712908763
LGG	PHF1	cg06919790	-0.0799614322221295	534	-1.85024500647991	0.0648324999480122	0.00639383064301421	0.174234963932555
LGG	PHF1	cg07857404	0.127719767847033	524	2.9421496574746	0.00340426920978426	0.0163123390989001	0.0182328205787233
LGG	PHF1	cg08665801	-0.120057567359289	533	-2.78669537727963	0.00551539697298665	0.0144138194802302	0.026824932298626
LGG	PHF1	cg08798692	-0.0421953542412994	534	-0.974108689212683	0.330445279930036	0.00178044791954874	0.530145717171291
LGG	PHF1	cg10033570	0.0155311642084848	534	0.358271460005453	0.720282289663394	0.00024121706167092	0.841392237679401
LGG	PHF1	cg10797813	-0.0336236809121361	534	-0.775973172590385	0.438109647773698	0.00113055191808115	0.630913290929613
LGG	PHF1	cg13303256	0.0528793775769834	534	1.22137828557817	0.222483795293808	0.00279622857292918	0.411081059932015
LGG	PHF1	cg13528777	-0.118817997797111	534	-2.76010443428249	0.00597758072364021	0.0141177166005142	0.0285761638797313
LGG	PHF1	cg13547657	0.0308996674852347	534	0.713045184158172	0.476130441390071	0.000954789450698073	0.663931806583721
LGG	PHF1	cg18443095	-0.14062313270376	534	-3.27604355897608	0.00112133119131526	0.0197748654514192	0.00738510317449873
LGG	PHF1	cg20135607	-0.0241947324719472	534	-0.558217943533652	0.576930412526373	0.000585385079389096	0.74355886290648
LGG	PHF1	cg20872639	0.00100414935336558	534	0.0231608422208994	0.981530657944026	1.00831592386451e-06	0.990504927553699
LGG	PHF1	cg23345642	0.0809947473448925	534	1.87431198619711	0.0614352141285523	0.00656014909746298	0.167488734813969
LGG	PHF1	cg23718418	0.186470515036915	534	4.37774905125899	1.44413158733693e-05	0.0347712529781325	0.000180410980400629
LGG	PHF1	cg24796663	0.15339654530035	533	3.57711990596759	0.000379164851299116	0.0235305001100823	0.00297376252061331
LGG	PHF1	cg26673053	-0.0646840440504672	534	-1.49507657154429	0.135487379659367	0.00418402555472278	0.294399899816233
LGG	PHF10	cg04353997	0.0394077762572219	533	0.908796561460937	0.363869806254729	0.00155297282953926	0.562803755890954
LGG	PHF10	cg05243705	-0.0660474382850912	534	-1.52672606314974	0.127423426074155	0.00436226410402293	0.282230390570646
LGG	PHF10	cg05736120	0.0292384085181426	534	0.67467599950668	0.500174718114864	0.000854884532673795	0.684139263734234
LGG	PHF10	cg07652237	0.0793327425912796	534	1.83560511615846	0.0669740705413923	0.00629368404705422	0.178516440885941
LGG	PHF10	cg11442717	0.0488154786673953	534	1.12727905309583	0.260132689137361	0.00238295095752692	0.45526000357139
LGG	PHF10	cg15342139	0.0395450021844573	534	0.912824445973363	0.361748353257984	0.00156380719776873	0.560640913314344
LGG	PHF10	cg15360169	-0.126165809615756	534	-2.93347106924174	0.00349648985085121	0.0159178115159993	0.0186305432504876
LGG	PHF10	cg16740543	0.0568956168976729	534	1.31443373508498	0.189266684374071	0.00323711122216676	0.369101111634115
LGG	PHF10	cg27124293	-0.165380900543822	534	-3.86779155724388	0.000123432269909997	0.0273508422646856	0.00115384402852419
LGG	PHF11	cg00092518	-0.493951316544392	534	-13.103146332149	3.3982668254712e-34	0.243987903115938	1.1201897009352e-31
LGG	PHF11	cg01214340	-0.451126875142384	534	-11.6591218321523	3.93124596716713e-28	0.203515457475732	9.83367680931831e-26
LGG	PHF11	cg02289189	-0.64463560574143	534	-19.4490461051208	4.8097999120288e-64	0.41555506418962	4.79709710713293e-61
LGG	PHF11	cg05080330	-0.507254747055192	534	-13.5761735607485	2.92725418543155e-36	0.257307378410026	1.03983019224412e-33
LGG	PHF11	cg09997676	-0.501002531654434	534	-13.3522929768813	2.80649498819038e-35	0.251003536724153	9.53399437167171e-33
LGG	PHF11	cg16956501	-0.299928558155204	534	-7.25174814566184	1.45996387553195e-12	0.0899571399970595	8.08948929723165e-11
LGG	PHF11	cg21320768	-0.572996530618147	534	-16.1260582551907	6.35797402784897e-48	0.328325024100433	3.38775501042797e-45
LGG	PHF11	cg23137039	-0.534696403839461	534	-14.5943123581966	8.10080051107138e-41	0.285900244278852	3.31680881556993e-38
LGG	PHF11	cg24481868	-0.523599741270655	534	-14.1753503008311	6.33664329109663e-39	0.274156689058696	2.48966074842208e-36
LGG	PHF11	cg24984523	-0.350595618875676	534	-8.63459606175376	6.87287417934625e-17	0.122917287974818	6.72538835104481e-15
LGG	PHF11	cg25162948	-0.609481807564928	534	-17.7318027593399	1.28093508579192e-55	0.371468073752612	9.58164077539391e-53
LGG	PHF12	cg01406758	0.00396375348491913	534	0.091425188558358	0.927189161684941	1.57113416892085e-05	0.961524923271279
LGG	PHF12	cg02058367	0.00703879746018022	534	0.162354766557934	0.87108813521721	4.95446696854395e-05	0.931534797667055
LGG	PHF12	cg06895197	0.0640206604544598	534	1.47968000309036	0.139550563779796	0.00409864496502523	0.300643298407189
LGG	PHF12	cg08657247	-0.0608616123759738	534	-1.40638785105608	0.160192822236903	0.00370413586100328	0.329997892519267
LGG	PHF12	cg08806622	-0.0317692074281955	534	-0.733130807957434	0.463801565374032	0.00100928254061571	0.653025754302241
LGG	PHF12	cg13564075	0.0535651396716838	534	1.23726291970264	0.216535321525454	0.00286922418804699	0.403805465594765
LGG	PHF14	cg06715026	-0.0866134060459859	534	-2.00528491895226	0.0454386060896032	0.00750188210688683	0.13454822328466
LGG	PHF14	cg07287563	-0.1209937362689	534	-2.81139019696973	0.00511474479734406	0.014639484216308	0.0252360282085739
LGG	PHF14	cg07574654	-0.0330916996187281	534	-0.763682448242479	0.445395044161665	0.00109506058365613	0.637364789756131
LGG	PHF14	cg11931558	-0.158643620735866	534	-3.70606895905697	0.000232548064783513	0.0251677984001853	0.00196921784928585
LGG	PHF14	cg13029706	-0.110852329714703	534	-2.57267856719387	0.0103614764159426	0.0122882390031771	0.0438219362999805
LGG	PHF14	cg16800461	-0.156719356605535	534	-3.65997727441653	0.00027739680319885	0.0245609567348529	0.00228817802015177
LGG	PHF14	cg20819769	0.0298269661639727	534	0.68826893522397	0.491583440256868	0.000889647910546772	0.677165979085098
LGG	PHF14	cg20964328	-0.075601058475005	534	-1.74875255463998	0.0809105329014201	0.00571552004254113	0.204601287106133
LGG	PHF14	cg22876561	-0.106016940443106	534	-2.45915299364212	0.014243771811652	0.011239591660917	0.0560797603277321
LGG	PHF14	cg23083824	-0.153251103519677	534	-3.57701010890127	0.000379258891850181	0.0234859007299988	0.00297420022505977
LGG	PHF14	cg24491907	-0.00331467993731382	534	-0.0764539277214885	0.939086709683645	1.09871030868308e-05	0.967440626812637
LGG	PHF19	cg11054680	-0.0142631811861238	523	-0.325596285235378	0.744860544959365	0.000203438337548196	0.856667742619949
LGG	PHF19	cg11594303	-0.10142314653315	534	-2.35146318031008	0.0190635280018218	0.0102866546526848	0.0701062729211368

LGG	PHF19	cg13501527	-0.0815446087831301	534	-1.88712130354327	0.0596881771116772	0.00664952322159374	0.164061823846093
LGG	PHF19	cg13793166	-0.0074198765604244	457	-0.158275733142048	0.874309750246428	5.50545681719354e-05	0.933452998156462
LGG	PHF19	cg13851767	0.0399167290791927	534	0.921418715071407	0.3572495111357	0.00159334526038167	0.556137683735029
LGG	PHF19	cg13852822	0.119622608403209	534	2.77906569872186	0.00564432237805	0.0143095684411876	0.0273343392720405
LGG	PHF19	cg14218513	-0.0707128439631859	532	-1.63201732783118	0.103269810996666	0.00500030630136187	0.243666402835555
LGG	PHF19	cg27207079	0.0685378192795829	534	1.58455944341943	0.113660687376187	0.00469743267160076	0.260886743831849
LGG	PHF20	cg01512265	0.0543400078559667	534	1.25521367442296	0.209952278030962	0.00295283645378653	0.395522549075697
LGG	PHF20	cg02674305	-0.00107342717541861	533	-0.0247354660030135	0.980275258519618	1.15224590092717e-06	0.989801346921421
LGG	PHF20	cg02957488	0.0560226731043958	534	1.29420251777844	0.196156990322839	0.00313853990176199	0.378111821824048
LGG	PHF20	cg04179482	0.107529570224429	534	2.49464724614733	0.0129104452444684	0.0115626084726505	0.0520580095033523
LGG	PHF20	cg09692677	0.0941070142828754	529	2.16999609758538	0.0304531513129801	0.00885613013723732	0.0998092540125536
LGG	PHF20	cg10372813	0.0186407396234872	533	0.429621361981745	0.667645369987724	0.000347477173710646	0.807205083812399
LGG	PHF20	cg21765224	0.0944576331795524	534	2.18846200553937	0.0290700464235604	0.00892224446588287	0.096491666584655
LGG	PHF20	cg23538717	0.0265215067832529	534	0.611937127350654	0.540840785285625	0.000703390322054132	0.715985434117995
LGG	PHF20	cg23734815	0.228164575380463	534	5.40522026488488	9.78651050843426e-08	0.0520590734585468	2.13019529516826e-06
LGG	PHF20	cg25561939	-0.0512531547202522	534	-1.18371619602212	0.237054063856068	0.00262688586877811	0.428440950761308
LGG	PHF20	cg27405321	-0.0520574532402206	525	-1.19212837531345	0.233751542285032	0.00270997843785775	0.42465245622628
LGG	PHF20L1	cg02898212	0.158817151530078	534	3.71022764356467	0.00022885628543597	0.0252228876201279	0.00194341729824318
LGG	PHF20L1	cg05307234	-0.00864539544113067	534	-0.199414580708577	0.842014649755811	7.4742862333523e-05	0.915500383495578
LGG	PHF20L1	cg10591701	-0.305270290827009	532	-7.38013511627712	6.15358093123642e-13	0.0931899504616069	3.59393149372827e-11
LGG	PHF20L1	cg17646969	-0.0471309063563816	534	-1.08828964843435	0.276960026417104	0.00222132233397401	0.473747063653187
LGG	PHF20L1	cg24511731	-0.00764851375937444	534	-0.176419087685229	0.860031847016521	5.84997627273401e-05	0.92553836745799
LGG	PHF20L1	cg26292018	0.300195399637378	534	7.25883859409537	1.39200457835376e-12	0.0901172779634453	7.74050065535759e-11
LGG	PHF20L1	cg27342122	0.104452147014592	533	2.42017506145437	0.015847639029386	0.010910251015958	0.0608811808236669
LGG	PHF21B	cg01775414	-0.0795395282855482	534	-1.84042015722211	0.0662633557797528	0.00632653655988752	0.177028452197194
LGG	PHF21B	cg01995480	-0.120015415444223	534	-2.78832451270743	0.0054877794598336	0.0144036999442495	0.0267156642865016
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LGG	PHF21B	cg10080155	-0.119297877165017	534	-2.7714124923405	0.00577675601966246	0.0142319834960794	0.0278316069730366
LGG	PHF21B	cg11428482	-0.155890631666009	534	-3.6401401166118	0.000299099957333865	0.0243018890412271	0.002437224476886
LGG	PHF21B	cg14786713	-0.0941685716882037	534	-2.18170480926674	0.0295682436798103	0.00886771989379637	0.0976213667176684
LGG	PHF21B	cg15679813	-0.107983684824149	534	-2.5053065725514	0.0125322597022399	0.0116604761882011	0.050867922950853
LGG	PHF21B	cg20495645	-0.0472645138014517	534	-1.09138164684621	0.27559900910372	0.00223393426488762	0.472016848976592
LGG	PHF21B	cg20525183	-0.0583443106221251	534	-1.34801514571324	0.178227200380128	0.00340405858197102	0.354803388770452
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LGG	PHF21B	cg23080354	-0.109969149954543	534	-2.55192966171182	0.0109912386646118	0.0120932139417247	0.0458869901208986
LGG	PHF21B	cg25561581	-0.135092834140514	534	-3.14476132969525	0.00175507682466177	0.0182500738361165	0.0106884645763064
LGG	PHF21B	cg25976257	0.0151801125172351	534	0.350171543955622	0.726348554555083	0.000230435816035918	0.844993486758956
LGG	PHF23	cg00039960	-0.0628438470094435	534	-1.45237199793037	0.146987709921776	0.00394934910694634	0.311485715796204
LGG	PHF23	cg01441172	-0.0849383082269645	534	-1.96621820806409	0.0497929286016253	0.00721451620445882	0.143861891315443
LGG	PHF23	cg04379155	-0.0200812931831166	534	-0.463270959589458	0.643359618747929	0.000403258335906285	0.790684105810153
LGG	PHF23	cg11180288	0.0071553900198193	534	0.165044191738602	0.868971892305442	5.11996063357296e-05	0.930525264150556
LGG	PHF23	cg13351208	0.0143693797381291	534	0.331465764691855	0.740423226355802	0.000206479074058556	0.853909783872556
LGG	PHF23	cg22033559	-0.0956430558875456	534	-2.21617869660811	0.0271016128087102	0.00914759413950817	0.0915119087998959
LGG	PHF23	cg26213471	-0.0525873336912952	534	-1.21461406134411	0.22505216117589	0.00276542766475963	0.414354195595985
LGG	PHF23	cg26784276	0.01129914578852	534	0.260632850264541	0.794476505526698	0.000127670695550229	0.887461844994385
LGG	PHIP	cg01492710	0.130791248876917	534	3.04285486544145	0.00245919684724764	0.0171063507827837	0.0140421872823534
LGG	PHIP	cg04480383	-0.171460384347471	534	-4.01420147832012	6.82152639212062e-05	0.0293986634005825	0.000694326604930827
LGG	PHIP	cg05801338	-0.154550501042723	534	-3.60807811045136	0.000337580045810971	0.0238858573725568	0.00269765814933936
LGG	PHIP	cg06848288	-0.0459913804688438	534	-1.061920633686	0.288753534490483	0.00211520707742995	0.486293749723152
LGG	PHIP	cg08287994	-0.232157586775465	534	-5.50515460898767	5.74562094372262e-08	0.0538971450974078	1.32241075649692e-06
LGG	PHIP	cg08587415	-0.122808637502331	534	-2.85420185135296	0.0044827151714434	0.0150819614451789	0.0227214193411042
LGG	PHIP	cg15564972	-0.0588468553720989	534	-1.35966635776944	0.17451150189905	0.00346295238718472	0.349877526383555
LGG	PHIP	cg19494004	-0.201184180763185	534	-4.73719775317862	2.78383953594293e-06	0.040475074589354	4.23725323535794e-05
LGG	PHIP	cg19950079	-0.0661267785718798	534	-1.52856811134703	0.126965877623436	0.00437275084429442	0.281601809945477
LGG	PHIP	cg21607066	0.0762975883638456	534	1.76495812017199	0.0781445032243187	0.00582132199013883	0.199513406098873
LGG	PHIP	cg21875336	-0.129070984226832	533	-2.99932742851652	0.00283267460475164	0.0166593189692831	0.0157212733253941
LGG	PHIP	cg26363168	-0.0757198516029903	534	-1.75151623002716	0.0804332581493378	0.00573349592677887	0.203791847461881

LGG	PHRF1	cg06063517	0.0930248702208925	534	2.15497471020786	0.0316118522581226	0.0086536264796139	0.102625398930367
LGG	PHRF1	cg07530960	-0.194166050523574	534	-4.56534889324433	6.2003036508286e-06	0.0377004551759231	8.58878956931196e-05
LGG	PHRF1	cg08482978	-0.183269401323598	534	-4.29996130044877	2.03250227773902e-05	0.03358767346151	0.000242951738852926
LGG	PHRF1	cg12469954	-0.058074098012874	534	-1.34175084688635	0.180249202957416	0.0033726008600089	0.357373392637286
LGG	PHRF1	cg12813709	-0.147985175622594	534	-3.45129683227901	0.0006022489558324	0.02189961220405	0.00438847464125382
LGG	PHRF1	cg15219216	0.125099143558246	534	2.9082740939617	0.00378610469439031	0.0156497957190066	0.0198675364988466
LGG	PHRF1	cg16143007	-0.184869587433198	534	-4.33882829298696	1.71455609196774e-05	0.034176764357721	0.000209489832917447
LGG	PHRF1	cg18793109	-0.175365424173266	534	-4.10462990566568	4.68706545799445e-05	0.0307530319954696	0.000501134648487109
LGG	PHRF1	cg20152424	-0.0401143585450231	534	-0.925988033959759	0.354872059279556	0.00160916176147866	0.553810848353905
LGG	PHRF1	cg21006161	-0.128224287363073	534	-2.98212610937358	0.00299372168094068	0.0164414678697679	0.016433360460563
LGG	PPARGC	cg04893087	-0.116743659308356	534	-2.70869703934566	0.00697280086118659	0.0136290819887055	0.0323025987153524
LGG	PPARGC	cg05158538	-0.0605245094172973	531	-1.39462045837663	0.163715674979839	0.00366321624020451	0.33487845023616
LGG	PPARGC	cg11270806	-0.0861164373637163	534	-1.99369281939847	0.046695736362698	0.00741604078421887	0.137262350825608
LGG	PPARGC	cg12691631	-0.0492380493346946	534	-1.13706094543867	0.256024690456773	0.00242438550228582	0.450289038917395
LGG	PPARGC	cg20723350	0.0469933187027138	534	1.08510559958006	0.278366354718862	0.00220837200269483	0.475281087702722
LGG	PPARGC	cg27461259	-0.166325263799628	534	-3.89050408085789	0.000112720957404932	0.0276640933780159	0.00106821953470085
LGG	PPARGC	cg27514608	-0.147227734262514	534	-3.43323943447345	0.000642882247332773	0.0216760057360734	0.00463893716250865
LGG	PRDM1	cg00555933	-0.0987373623307178	534	-2.28642074378935	0.0226224978552922	0.00974906672002745	0.0799225521414442
LGG	PRDM1	cg01761420	-0.0484610088224338	534	-1.11802180723542	0.264063234097455	0.00234846937608801	0.459585109700153
LGG	PRDM1	cg05170275	-0.129473874969631	534	-3.01168095495358	0.00272155249201916	0.0167634842996517	0.0152415560121041
LGG	PRDM1	cg08742502	-0.337207695792602	534	-8.26161840463692	1.14831561374296e-15	0.113709030101756	9.68894412749675e-14
LGG	PRDM1	cg14359052	-0.312574597023942	534	-7.58987651659654	1.44411113428175e-13	0.0977028787046799	9.33858533502199e-12
LGG	PRDM1	cg17143179	-0.298544703265672	534	-7.21500663015017	1.86792244040817e-12	0.089128939847988	1.0204575725359e-10
LGG	PRDM1	cg17521665	-0.310598396504689	534	-7.53674922083405	2.08844017493214e-13	0.0964713639112842	1.31340432472653e-11
LGG	PRDM1	cg17965230	-0.154185603031474	534	-3.59935163644834	0.000348830869786264	0.0237732001821794	0.00277162176326755
LGG	PRDM1	cg19464016	-0.140072366700845	534	-3.26295527262779	0.00117334488660104	0.0196202679131761	0.00766794288543692
LGG	PRDM1	cg22186515	-0.130483441795346	534	-3.03556955656486	0.00251834200051434	0.0170259285827595	0.0143253714361558
LGG	PRDM1	cg22196848	-0.0974687322559932	534	-2.25888398978778	0.0242946271460577	0.00950015376759049	0.0843701720548372
LGG	PRDM1	cg24040346	-0.0961743108012098	534	-2.22860319296525	0.0262573611266755	0.00924949805808771	0.0893945361701791
LGG	PRDM1	cg24793124	-0.328044245974759	534	-8.00961478801159	7.30303289141957e-15	0.107613027317148	5.5590229036702e-13
LGG	PRDM1	cg24874254	-0.329185005405918	534	-8.04084634628468	5.82032475140938e-15	0.108362767784094	4.49638871609873e-13
LGG	PRDM1	cg26351406	-0.0665788518499074	534	-1.53906448050495	0.124383100679217	0.00443274351365192	0.277447497827705
LGG	PRDM10	cg04181189	0.0445163436765126	534	1.02779393702634	0.30451383692582	0.00198170485432538	0.503054711724262
LGG	PRDM10	cg17627813	0.00829162465115998	534	0.191253935168452	0.848399617352762	6.87510393557239e-05	0.919084817539664
LGG	PRDM12	cg09191327	0.00739272021265824	534	0.170518676878382	0.8646670764991	5.46523121426457e-05	0.92814732775989
LGG	PRDM12	cg12539975	0.000273550042191916	534	0.00630946620477372	0.994968172927114	7.48296255831991e-08	0.997367964782302
LGG	PRDM12	cg13795948	0.112770422637731	534	2.61776243778447	0.00910287199913161	0.0127171682218925	0.0396810951642073
LGG	PRDM12	cg13928649	0.0253440968861975	534	0.58475259775136	0.558961986363396	0.000642323246976964	0.729864862317534
LGG	PRDM12	cg23342516	0.137748670144288	534	3.20776929676745	0.00141819885408637	0.0189746961265197	0.00897554195043888
LGG	PRDM13	cg00126261	-0.0228271568095644	534	-0.526648460158326	0.598657238049092	0.000521079088008442	0.75910516080956
LGG	PRDM13	cg00579292	-0.0482056332202883	534	-1.11316309208842	0.266141099554995	0.00232378307416896	0.46195097389012
LGG	PRDM13	cg01422797	0.164909353758359	534	3.85645466276056	0.000129132132492992	0.0271950949569995	0.00119878848140415
LGG	PRDM13	cg01815538	-0.115620051434404	534	-2.68479651264438	0.00748379211029469	0.0133679962936942	0.0341176485300045
LGG	PRDM13	cg02400433	-0.123815000362175	534	-2.87795341777871	0.00416351056384512	0.0153301543146854	0.0214330426683276
LGG	PRDM13	cg03120185	-0.0684022934836937	534	-1.58141141227313	0.114378308947054	0.00467887375382937	0.261950840974656
LGG	PRDM13	cg04910970	0.000596462770597958	534	0.0137574909218601	0.989028614237317	3.55767836709392e-07	0.994255889590719
LGG	PRDM13	cg11809464	-0.180532851839441	534	-4.23357488759527	2.70967791421867e-05	0.0325921105932817	0.000311921698222443
LGG	PRDM13	cg13738144	-0.193919869635992	534	-4.55933421520244	6.37364296361526e-06	0.0376049158396403	8.80851271471817e-05
LGG	PRDM13	cg14344102	-0.0892728113135568	534	-2.06734303264535	0.0391848691050428	0.00796963483982591	0.120645415251423
LGG	PRDM13	cg17879189	-0.185523313867324	534	-4.3547169433892	1.59877821355302e-05	0.0344188999883137	0.000196827587189655
LGG	PRDM13	cg17978124	0.156402648674153	534	3.65239531545455	0.00028551111314988	0.0244617885122904	0.00234466922161742
LGG	PRDM13	cg25273233	-0.144579623175049	534	-3.37015677421705	0.000805779508810559	0.0209032674374392	0.00560236045298138
LGG	PRDM13	cg25924096	-0.0798838931283112	534	-1.84843928379277	0.0650935445217864	0.00638143638133544	0.174794748430763
LGG	PRDM13	cg26507427	-0.199434669981205	534	-4.69428860845259	3.40797504976575e-06	0.039774187590512	5.06534220522501e-05
LGG	PRDM14	cg00384539	-0.00068096692088337	534	-0.0157065909216743	0.987474357309847	4.63715947337386e-07	0.993322387407704
LGG	PRDM14	cg01295203	-0.0018468068773731	534	-0.0425969044697477	0.96603884535688	3.41069564231257e-06	0.982174001982502
LGG	PRDM14	cg04838988	0.00445753640569528	534	0.102814656683118	0.918148815431041	1.98696308080988e-05	0.956882161533155

LGG	PRDM14	cg09050331	0.0106976872558713	534	0.246757615731099	0.805191001563604	0.000114440512624431	0.894188153042557
LGG	PRDM14	cg10457247	-0.0693855685775775	534	-1.60425320866136	0.109251706242999	0.00481435712683371	0.253676251520205
LGG	PRDM14	cg11229513	0.0775789602769936	534	1.79477751157125	0.0732567060331844	0.00601849507765936	0.190637046610539
LGG	PRDM14	cg13267264	0.0271696242008857	534	0.626902212253522	0.530992266110796	0.000738188479217354	0.70872458350902
LGG	PRDM14	cg18035229	0.00282073743565284	534	0.0650609209106601	0.948149935082173	7.95655968089337e-06	0.972450574156658
LGG	PRDM14	cg21255438	0.0154333270626463	534	0.356014022372993	0.72197119607794	0.000238187584222611	0.842458559244124
LGG	PRDM14	cg27029821	0.00945365131010723	534	0.218059395331871	0.827466449421932	8.93715230930922e-05	0.907298552006791
LGG	PRDM4	cg00090609	-0.0482247304427945	534	-1.11360511236949	0.265951514131862	0.00232562462628019	0.461745532849198
LGG	PRDM4	cg03909902	-0.112454842764969	534	-2.61034285856971	0.00930010166662565	0.0126460916612938	0.040301476662961
LGG	PRDM4	cg12900929	0.0372200396254147	534	0.859080135064027	0.390683221331247	0.00138533134971744	0.587908206376648
LGG	PRDM4	cg18440127	-0.0995578067688099	534	-2.30777882975075	0.0213942580828123	0.0099117568861569	0.076669656960305
LGG	PRDM4	cg25995916	0.0627663595942789	534	1.45057411391546	0.147487816729056	0.00393961589671832	0.312234120189953
LGG	PRDM4	cg27140793	0.127253310994681	534	2.95917086519977	0.00322205392939669	0.016193405159109	0.0174588328608683
LGG	PRDM5	cg05713693	-0.0652698178817182	534	-1.50867353755375	0.131975858079453	0.00426014912631266	0.289103424194887
LGG	PRDM5	cg06329345	-0.190483045783931	534	-4.47545877490607	9.33219859645315e-06	0.036283790731123	0.000123299772012989
LGG	PRDM5	cg07070341	-0.128068707720576	534	-2.97844740352469	0.00302928773144544	0.0164015938972182	0.0165946348693801
LGG	PRDM5	cg10416963	-0.225122981338497	534	-5.32929074190942	1.45877294275241e-07	0.0506803567267334	3.05063930936776e-06
LGG	PRDM5	cg11171429	-0.135224358506842	534	-3.14788002188257	0.00173680219614264	0.018285627133587	0.0105979127811374
LGG	PRDM5	cg13155001	-0.165498981507062	534	-3.87063087804059	0.000122042447018609	0.0273899128798747	0.0011429120167769
LGG	PRDM5	cg18181323	-0.132186697421941	534	-3.07589419807683	0.00220663733062621	0.0174733229753197	0.0128567364064361
LGG	PRDM5	cg19294653	-0.169647134498412	534	-3.97048509083422	8.15881909641631e-05	0.0287801502435223	0.000807515487005866
LGG	PRDM5	cg22135105	-0.188578386144814	534	-4.42904946550545	1.14945255296686e-05	0.0355618077209827	0.000147851375505132
LGG	PRDM8	cg01304890	0.0615075531671356	534	1.42137061141536	0.155794958023558	0.00378317909660801	0.323972360790394
LGG	PRDM8	cg02895669	-0.142694852455479	534	-3.32530336414743	0.000944138970995842	0.0203618209172909	0.00639849700406399
LGG	PRDM8	cg04343891	0.0585104549866149	534	1.35059584405912	0.177400219651535	0.00342347334274069	0.353682384068428
LGG	PRDM8	cg05007549	-0.112406370258992	534	-2.60920329536299	0.00933073031636257	0.0126351920748016	0.0403892073353611
LGG	PRDM8	cg07462804	-0.0250586711382499	534	-0.578162940338691	0.563398764005097	0.000627936999214959	0.733325093115319
LGG	PRDM8	cg08074201	0.0412376825105815	534	0.951962081908888	0.341548508089003	0.00170054645884352	0.540751515386161
LGG	PRDM8	cg10695325	0.112994487298498	534	2.62303089537152	0.00896510632446499	0.0127677541598505	0.039225617626852
LGG	PRDM8	cg11571772	0.0160921171651995	534	0.371214764277752	0.71062535955736	0.000258956234858507	0.835207572464198
LGG	PRDM8	cg12572049	0.0917643029751185	534	2.12552323861442	0.0340030516279219	0.00842068730050934	0.10839343543446
LGG	PRDM8	cg14489346	-0.0481348168703697	534	-1.11152400247877	0.266844930148245	0.00231696059514402	0.462563717098636
LGG	PRDM8	cg15656813	-0.106252928765188	534	-2.46468937786515	0.0140280945613676	0.0112896848711802	0.0554382315624605
LGG	PRDM8	cg16117799	0.00168644773456773	534	0.0388981834384033	0.968986157169668	2.84410596142864e-06	0.983692097334723
LGG	PRDM8	cg18624348	-0.0757610119678201	534	-1.7524738272129	0.080268421213493	0.00573973093438819	0.203520261942627
LGG	PRDM8	cg19595012	0.0715479229448297	534	1.65138912365309	0.0992514845268241	0.00511910527771929	0.236962005502079
LGG	PRDM8	cg20142271	0.0614911653901141	534	1.4209904706913	0.15590539231316	0.00378116342103436	0.324125330208271
LGG	PRDM8	cg26162932	0.0714005544013248	534	1.64952423668602	0.0996316794543459	0.00509803916881654	0.237629054525903
LGG	PRKAA1	cg00301775	-0.0725292549303965	534	-1.67731391105728	0.0940684998180782	0.00526049282075845	0.227952679651359
LGG	PRKAA1	cg01883943	-0.107189751065763	531	-2.47965057882774	0.0134614111794549	0.0114896427335402	0.053750296222066
LGG	PRKAA1	cg03125217	-0.0162635762956376	534	-0.375171043671424	0.707682787757405	0.000264503913924025	0.833423782351599
LGG	PRKAA1	cg05874655	0.0101289591573419	534	0.233637696434019	0.815356133969596	0.000102595813611101	0.900633485063196
LGG	PRKAA1	cg06971720	0.0242875451370375	534	0.560360567612263	0.575469414621987	0.000589884848783633	0.742323864845508
LGG	PRKAA1	cg10786880	0.00993238856653686	534	0.229103086773191	0.818876840983889	9.86523426366722e-05	0.902587242203781
LGG	PRKAA1	cg24728477	0.0467047148588765	534	1.07842694000355	0.28133198972589	0.00218133039004896	0.478530610808714
LGG	PRKCD	cg02121118	-0.255424896210991	534	-6.09353651503505	2.12107500426001e-09	0.0652418776043956	6.60291752226503e-08
LGG	PRKCD	cg02559423	-0.0516766821662897	534	-1.19352384937849	0.233196233617806	0.00267047947971573	0.423954307497859
LGG	PRKCD	cg02630105	-0.211870300119798	534	-5.00033360545138	7.7835486411864e-07	0.0448890240728531	1.36839182597165e-05
LGG	PRKCD	cg10531918	-0.190217396705463	534	-4.4689827844992	9.60862680357399e-06	0.0361826580094033	0.000126415273728604
LGG	PRKCD	cg13469346	-0.0451423162545992	534	-1.04129566382809	0.298212216457755	0.00203782871683026	0.496397157742904
LGG	PRKCD	cg13889007	-0.187406641933284	534	-4.4005243035586	1.30534148765607e-05	0.03512124944071	0.000165118269415799
LGG	PRKCD	cg13908523	-0.0940909198161132	534	-2.17783995638563	0.0298573177132443	0.00885310119184225	0.0983078754892337
LGG	PRKCD	cg14727059	-0.129354597956754	534	-3.00885922568368	0.00274652295696556	0.0167326120125535	0.0153482513407211
LGG	PRKCD	cg21903826	-0.309468638635655	534	-7.5064259736081	2.57560964563009e-13	0.0957708382990055	1.59555161055801e-11
LGG	PRMT1	cg07702240	0.184181537882573	534	4.32211186894949	1.8449968850579e-05	0.0339228388967898	0.000223531673689759
LGG	PRMT1	cg08377944	-0.0192220235946589	534	-0.443440310707682	0.657627563799305	0.000369486191073625	0.800617820003179
LGG	PRMT1	cg11787855	-0.142656186823725	534	-3.32438359528202	0.000947194428991367	0.0203507876390856	0.00641473347340075

LGG	PRMT1	cg14258555	-0.0229040108083384	534	-0.528422498374495	0.597426486363459	0.000524593711108484	0.758275077989932
LGG	PRMT1	cg14576628	-0.325742068088693	534	-7.94670542775056	1.15117722179581e-14	0.106107894922699	8.59449911635154e-13
LGG	PRMT1	cg18880319	-0.26364853705246	534	-6.30413428503169	6.09147409344889e-10	0.0695105510899025	2.09126273444732e-08
LGG	PRMT1	cg22292364	0.104909392992183	534	2.43317506781459	0.0152954347442835	0.0110059807379883	0.0592960108883634
LGG	PRMT1	cg24228123	-0.218505674772068	534	-5.16466128241524	3.41023527776697e-07	0.0477447299075966	6.52955557958661e-06
LGG	PRMT1	cg25595446	-0.330963688769318	534	-8.0896217621986	4.07803006347091e-15	0.109536963283794	3.20127417515294e-13
LGG	PRMT1	cg26846726	0.138994164536791	534	3.23734203689021	0.00128166009802654	0.0193193777752805	0.00825171444722973
LGG	PRMT2	cg04493422	0.0231264571218647	534	0.533557329823382	0.593870678686224	0.000534833019009447	0.755697645828349
LGG	PRMT2	cg06725035	-0.0777120357421803	532	-1.79449223559403	0.0733043921503945	0.0060391604991939	0.190704674545958
LGG	PRMT2	cg09031657	-0.0782519805512907	534	-1.81044324845074	0.0707911127270008	0.00612337246019958	0.185881926063533
LGG	PRMT2	cg10187059	-0.080522404308369	533	-1.86155782272356	0.0632177432155909	0.00648385759560044	0.171017877932805
LGG	PRMT2	cg10657630	-0.00341979048652824	533	-0.0788041882701305	0.937218060048112	1.16949669717491e-05	0.966447548705242
LGG	PRMT2	cg12162201	-0.10078709985489	534	-2.3365648260962	0.0198321020110426	0.0101580394971595	0.0723365438000455
LGG	PRMT2	cg13271076	0.0947001774572507	534	2.19413223100684	0.0286575968165836	0.00896812361043478	0.0953939703586793
LGG	PRMT2	cg17243659	-0.130724780203925	534	-3.04128158091881	0.00247186044562136	0.0170889681593645	0.0141041448956042
LGG	PRMT2	cg23283320	-0.138974380729493	534	-3.23687217256531	0.0012837308915101	0.019313878499146	0.00826231165501257
LGG	PRMT3	cg01769160	0.054004115966686	534	1.24743205693281	0.212787953998013	0.00291644454134326	0.399084502840508
LGG	PRMT3	cg04101203	-0.0178080452821472	534	-0.410809938329544	0.681377319177526	0.000317126476771005	0.816222095981819
LGG	PRMT3	cg06578097	-0.16551776270368	532	-3.86379950095428	0.00012546576459191	0.0273961342614874	0.00117046212863209
LGG	PRMT3	cg13432154	-0.143937111152121	534	-3.35486221508625	0.000850685606147693	0.0207178919668181	0.0058673805582531
LGG	PRMT3	cg13982511	-0.10567626934727	534	-2.45116144895786	0.0145602663212841	0.0111674739031568	0.0570353134802107
LGG	PRMT3	cg19653624	-0.138068149288642	533	-3.21233008267786	0.00139645209380867	0.0190628138479906	0.00886045541378818
LGG	PRMT3	cg23019633	-0.117018734388989	534	-2.71772331243095	0.00678759036270042	0.0136933841980007	0.0316168974717632
LGG	PRMT3	cg23071995	-0.0572713387880116	534	-1.32314233876757	0.186356437196904	0.0032800062465712	0.365312150064155
LGG	PRMT6	cg00944433	-0.251568749924477	534	-5.99527620523084	3.75131374960803e-09	0.063286835938564	1.11130884172508e-07
LGG	PRMT6	cg02990361	-0.0174207975905349	534	-0.401873863132932	0.687938254686298	0.000303484188690388	0.820568946368663
LGG	PRMT6	cg02993280	-0.139764816920836	534	-3.25564807005269	0.00120334799239203	0.0195342040489147	0.00783571220558678
LGG	PRMT6	cg09367891	0.00015792646149025	534	0.00364259365040688	0.99709500265465	2.49407672388313e-08	0.998528025129523
LGG	PRMT6	cg14671364	0.0299154424590577	534	0.690312386461327	0.490298801366047	0.000894933697521192	0.676162115821136
LGG	PRMT6	cg14828511	-0.0868824097709944	534	-2.01156022456659	0.0447700826181552	0.00754855312761499	0.133070103052641
LGG	PRMT6	cg22528358	0.156532043443419	534	3.65549287473844	0.000282169485337988	0.0245022806245723	0.00232188416991574
LGG	PRMT7	cg00894222	-0.0528962202720789	534	-1.22176840009925	0.222336313859444	0.00279801011907229	0.410928966328213
LGG	PRMT7	cg02477175	0.131756533312715	534	3.06570744442206	0.00228184271954506	0.0173597840705845	0.0132255753631566
LGG	PRMT7	cg06089844	-0.0386124915579998	533	-0.890428554508058	0.373639067054086	0.0014909245043166	0.572238952306438
LGG	PRMT7	cg06092312	-0.0990235137636782	534	-2.29527078245592	0.0221058683081427	0.00980565627810536	0.0785244762629652
LGG	PRMT7	cg06745885	-0.0530090488115219	534	-1.22438178862143	0.221350141531844	0.00280995925590231	0.409729766824381
LGG	PRMT7	cg09175928	-0.0686303517176069	534	-1.58670886342889	0.113172754273552	0.00471012517688243	0.260237324788515
LGG	PRMT7	cg09779635	-0.0366697319501934	533	-0.845565361041058	0.398176107615592	0.00134466924129904	0.59479457958922
LGG	PRMT7	cg10233539	0.00627593343962836	534	0.14475804131021	0.884956734482798	3.93873405386455e-05	0.938995379002889
LGG	PRMT7	cg10446007	-0.118146457618736	534	-2.74428330045744	0.00626914535970101	0.0139585854478557	0.029692657175804
LGG	PRMT7	cg11893236	-0.149563537607045	534	-3.48894496457529	0.000525120415458217	0.022369251781534	0.00390808548743485
LGG	PRMT7	cg19328639	-0.0153065144187311	534	-0.353088036092646	0.724162301338399	0.000234289383650823	0.843787644279479
LGG	PRMT7	cg21918026	0.0715508010526566	534	1.65456891521936	0.0986017860991741	0.00511951713127685	0.235750909665893
LGG	PRMT7	cg26492318	-0.0759982522673997	534	-1.75799340605087	0.079323660498055	0.00577573434769933	0.201769057179757
LGG	PRMT7	cg26561196	0.000847711028065654	534	0.0195525680120955	0.984407632659705	7.18613987104128e-07	0.991840636374727
LGG	PRMT7	cg26796563	-0.0942795070861238	534	-2.18429800560312	0.0293761874011836	0.00888862545640246	0.0971812353477936
LGG	PRMT8	cg01693063	-0.0429465135242077	534	-0.991481478594981	0.321901262516002	0.00184440302388495	0.521314451907308
LGG	PRMT8	cg06029846	-0.00426071920197315	534	-0.0982749138222238	0.921751013245311	1.81537281180627e-05	0.959007388883481
LGG	PRMT8	cg07912789	-0.0539022071897725	534	-1.24507121733119	0.213653719129274	0.00290544793992916	0.400170687521233
LGG	PRMT8	cg10350722	0.029699486974196	534	0.685324700389146	0.493437548658333	0.000882059526530436	0.678734009836735
LGG	PRMT8	cg11596580	0.0659984494496824	534	1.52558870094545	0.127706578470012	0.00435579532976228	0.282600072976707
LGG	PRMT8	cg19656577	0.0162939476678595	534	0.375871841720738	0.707162008057813	0.000265492730602943	0.833099194212029
LGG	PRMT8	cg21667836	0.094268631684877	534	2.18404378149005	0.0293949679440291	0.00888657491973899	0.0972257136025638
LGG	PRMT8	cg23739862	-0.0519818604349044	534	-1.20059128288679	0.23044408515292	0.00270211381427388	0.420707011179627
LGG	PRMT8	cg24100636	-0.0755933258008495	534	-1.74857265961525	0.0809416797555208	0.00571435090563337	0.204630312629826
LGG	PRMT8	cg27316886	-0.102070348095776	534	-2.36662581019859	0.0183082580177339	0.0104183559603929	0.0680168397436291
LGG	PWWP2E	cg00259755	-0.0799413597835161	534	-1.84977755828911	0.0648999934365726	0.00639062100403757	0.17437418282119

LGG	PWWP2E	cg05010219	-0.00514227775681863	534	-0.118608848417862	0.905630025583548	2.64430205282716e-05	0.949957684244722
LGG	PWWP2E	cg15012692	0.0292397176267587	534	0.674706233023493	0.500155521086693	0.000854961086892583	0.68412804809611
LGG	PWWP2E	cg15278699	-0.14289506901957	534	-3.33006631691293	0.000928462466571984	0.0204190007501077	0.00631260348929391
LGG	PWWP2E	cg19919881	0.0186615965308698	534	0.430507029897896	0.667001205595939	0.000348255185080972	0.806817204043923
LGG	PWWP2E	cg22633292	-0.0524560183209312	534	-1.21157267996701	0.226213864812327	0.00275163385808587	0.415705983493024
LGG	PWWP2E	cg22664157	-0.143971275194465	534	-3.35567535749029	0.000848240737920675	0.0207277280811203	0.00585241433010492
LGG	PWWP2E	cg24520806	-0.125870743012794	534	-2.92649992301945	0.00357452364433751	0.0158434439465929	0.0189595581976019
LGG	PYGO1	cg06364757	0.17691314591999	534	4.14591965786009	3.93816252469718e-05	0.0312982611993078	0.000431804672933463
LGG	PYGO1	cg09275667	0.0706277394404285	534	1.63311596219648	0.103036269690814	0.00498827757846505	0.243324739370021
LGG	PYGO1	cg11480800	0.0897640377127186	534	2.07881080114295	0.0381133438950301	0.00805758246649037	0.118160023710596
LGG	PYGO1	cg12686317	0.0360106125969299	534	0.831128351263258	0.406273984528017	0.00129676421960617	0.602594800890362
LGG	PYGO1	cg13878116	0.172981927028379	534	4.05091738758042	5.8617945207546e-05	0.0299227470784514	0.000609216847056448
LGG	PYGO1	cg17841803	0.08290047817105	534	1.91871444647462	0.0555552696907117	0.00687248928098874	0.155664408958335
LGG	PYGO1	cg19850348	0.0406881666965034	534	0.939255461977533	0.348025840719669	0.00165552690912245	0.547244278449499
LGG	PYGO1	cg22510134	0.207312880670924	534	4.88788843653443	1.35138261897769e-06	0.0429786304920766	2.23128911458781e-05
LGG	PYGO1	cg23030278	0.0821610737707871	534	1.90148424950241	0.0577785963686775	0.00675044204316872	0.160124418869579
LGG	PYGO1	cg23412777	0.225913384019982	534	5.34900624158338	1.31574411467376e-07	0.0510368570793598	2.7867410197912e-06
LGG	PYGO1	cg25902187	0.0269043435656003	534	0.620776765825685	0.535012367251939	0.000723843702695857	0.711544765258986
LGG	PYGO2	cg01277844	0.0404295023795118	534	0.93327458516014	0.35110158570266	0.00163454466265495	0.550023092654962
LGG	PYGO2	cg02341811	0.0377802945442741	534	0.872029791736637	0.38358550239771	0.00142735065585211	0.581836538957776
LGG	PYGO2	cg04602755	-0.0416195616191162	534	-0.9607928986656745	0.337092779584185	0.00173218790936741	0.536659212670233
LGG	PYGO2	cg10892866	-0.0288810774920866	534	-0.666423663472849	0.505429231939675	0.000834116637103911	0.688629403298102
LGG	PYGO2	cg14024356	-0.0356766730274151	534	-0.823411125704426	0.41064319518765	0.00127282499830509	0.606523195869148
LGG	PYGO2	cg18188585	-0.0621900705426147	534	-1.43720372314869	0.151247983947167	0.00386760487409539	0.317507303772086
LGG	PYGO2	cg24683561	-0.0295334339713603	534	-0.681489622363833	0.495858278758345	0.000872223722140696	0.680739754662878
LGG	PYGO2	cg27105205	-0.0232602383372897	534	-0.536645501813853	0.591736844434506	0.000541038687507522	0.754253114365217
LGG	RBBP4	cg05797186	-0.449962064951871	534	-11.6104357686139	6.27038843979207e-28	0.202465859895752	1.53879684001635e-25
LGG	RBBP4	cg06526778	0.00504365522968303	534	0.116334018972959	0.907431726084014	2.54384580759089e-05	0.9509449957766
LGG	RBBP4	cg09036220	-0.21909305831032	534	-5.17924389714203	3.16599004427884e-07	0.0480017681997691	6.11305608102824e-06
LGG	RBBP4	cg11229946	-0.0887585173073232	534	-2.05533837607994	0.0403339378960932	0.00787807439459439	0.123159648494276
LGG	RBBP4	cg13641837	-0.168929700332068	531	-3.94203766914367	9.16506379156437e-05	0.0285372436542821	0.000894027551850732
LGG	RBBP4	cg16148416	-0.0925227556320218	534	-2.14324222851051	0.0325465160217233	0.00856046030974281	0.104864153555371
LGG	RBBP4	cg16396527	-0.469688626915225	534	-12.2712194594774	1.17845147655631e-30	0.22060740625351	3.33368924244443e-28
LGG	RBBP4	cg18758482	-0.228045193624984	534	-5.40223692213878	9.94209915933883e-08	0.0520046103354563	2.16043481006035e-06
LGG	RBBP4	cg20740619	0.264846930914929	534	6.33494557060366	5.06045136373064e-10	0.070143896815057	1.75903821890108e-08
LGG	RBBP4	cg22358606	0.286746475607591	534	6.8907670229785	1.58016484038276e-11	0.082223541273375	7.20136752154283e-10
LGG	RBBP4	cg22857567	-0.121947193310603	534	-2.83121300013903	0.00481301973385088	0.0148711179563336	0.0240570518888367
LGG	RBBP4	cg23016766	-0.203421109892052	534	-4.79213039086435	2.14382675862826e-06	0.0413801479497143	3.35499615491303e-05
LGG	RBBP4	cg26131911	-0.0623350812001406	534	-1.44056795597615	0.150295031236113	0.00388566234822813	0.316035562222462
LGG	RBBP5	cg00960017	0.134057796975886	534	3.12022453034504	0.00190515949513907	0.017971492930028	0.0114341905388712
LGG	RBBP5	cg02189925	0.13326279137562	534	3.10138503308421	0.00202831993594625	0.0177589715652219	0.0120284215090531
LGG	RBBP5	cg03143531	-0.0843631709228508	534	-1.95280871855849	0.0513662284815099	0.00711714460815814	0.1471438074342
LGG	RBBP5	cg05290904	0.373814893634236	534	9.29601765273927	3.74185282167415e-19	0.139737574702775	4.59138325566748e-17
LGG	RBBP5	cg07601985	0.222556250433045	534	5.26534337560296	2.03420079106614e-07	0.0495312846068164	4.11462860998957e-06
LGG	RBBP5	cg07972983	0.259306317591537	534	6.19275505763992	1.18348191169508e-09	0.0672397663428828	3.86352462603471e-08
LGG	RBBP5	cg14717946	0.0742537187473888	534	1.71741243816587	0.0864858011844925	0.00551361474781632	0.214748688711982
LGG	RBBP5	cg18131828	-0.175978042486278	534	-4.12330347478984	4.33233600518957e-05	0.0309682714373022	0.000468745667922683
LGG	RBBP5	cg21214746	-0.171659033816226	534	-4.01899334544237	6.68830325424681e-05	0.0294668238907203	0.000683129412139329
LGG	RBBP5	cg23227967	0.0891552161497527	534	2.06459797835431	0.0394451337049968	0.00794865256670913	0.121259572095413
LGG	RBBP5	cg24103461	-0.0741111990879136	534	-1.71409788185506	0.0870932142663969	0.00549246983024836	0.215735519243496
LGG	RBBP5	cg26795850	-0.196793876924181	534	-4.62960792915545	4.60940681908366e-06	0.0387278299948498	6.6306248906027e-05
LGG	RBBP7	cg01947226	-0.0969039739672552	534	-2.24355942696363	0.0252721649725942	0.00939038017064648	0.0869152432306807
LGG	RBBP7	cg03048084	-0.0601453931388876	534	-1.38977703697162	0.16517787360205	0.00361746831583134	0.337133608789134
LGG	RBBP7	cg03171708	-0.103030338227071	534	-2.38912204576474	0.0172361000663577	0.0106152505951847	0.0649486640136705
LGG	RBBP7	cg03811055	-0.0605414541996642	534	-1.39896235957417	0.162406997488586	0.00366526767661004	0.333042228032135
LGG	RBBP7	cg07096248	-0.056993239520519	534	-1.31545833112905	0.188923617212043	0.00324822935104325	0.368681614423883
LGG	RBBP7	cg08363715	-0.0739588737616197	534	-1.71055539351169	0.0877462097274266	0.00546991500808719	0.216922862575805

LGG	RBBP7	cg14719055	0.136597329343458	534	3.18044591865427	0.00155618469776158	0.0186588303837651	0.00968804676517803
LGG	RBBP7	cg15289846	-0.106647761883454	534	-2.47395326955929	0.0136736671512743	0.0113737451147498	0.0544023557697658
LGG	RBBP7	cg15464143	-0.175771977555986	534	-4.11832119010658	4.42407991728215e-05	0.0308957880939421	0.000477326553868033
LGG	RBBP7	cg16978043	-0.0492764629662549	534	-1.13795019504506	0.255653495240368	0.00242816980246469	0.449928741488109
LGG	RBBP7	cg17878446	-0.124341759556836	534	-2.89038925980077	0.00400476143310167	0.0154608731696901	0.020761456145989
LGG	RBBP7	cg17880859	-0.104347373899009	534	-2.41999621455365	0.0158547167403516	0.0108883744396197	0.0608876849532957
LGG	RBBP7	cg21122900	-0.12920125446461	534	-3.00523178285353	0.00277893178119018	0.0166929641552289	0.0154881945110982
LGG	RING1	cg01241018	-0.0262612162159927	534	-0.605927214981918	0.544821514243731	0.00068965147714312	0.718932246472145
LGG	RING1	cg01878788	-0.0628365048397107	534	-1.45220164178724	0.147035041041706	0.00394842634047099	0.311538402407629
LGG	RING1	cg02475416	-0.0481638624375762	534	-1.11219627863325	0.266556097346914	0.00231975764490576	0.462224923065317
LGG	RING1	cg03037740	-0.0607679374102342	534	-1.40421518418634	0.160838298860611	0.00369274221709414	0.330838700399123
LGG	RING1	cg06316695	-0.0243225227293767	534	-0.561168045560669	0.574919272228851	0.000591585111921048	0.741983308400597
LGG	RING1	cg06671577	-0.217981961261009	534	-5.15166433675432	3.64321813574551e-07	0.0475161354351962	6.9228263715727e-06
LGG	RING1	cg07946923	-0.113596648906382	534	-2.63719159989922	0.00860402440439068	0.0129041986427597	0.0379940667829465
LGG	RING1	cg08892712	-0.097696984107319	534	-2.26209571912745	0.0240948880130311	0.00954470070366573	0.0838262026781335
LGG	RING1	cg09478665	-0.033363406056148	534	-0.769235797561537	0.442095365387843	0.00111311686366741	0.634510393428073
LGG	RING1	cg09724776	-0.0556679392997119	534	-1.28598211258712	0.199008727146651	0.00309891946587641	0.381727559819617
LGG	RING1	cg09832551	-0.204609524666175	534	-4.82134626412407	1.86379891056687e-06	0.0418650575841179	2.96507919117871e-05
LGG	RING1	cg09869033	-0.172864552830055	534	-4.04808400419897	5.93103338523944e-05	0.0298821536251349	0.000615608820775606
LGG	RING1	cg10265934	-0.0226497236186725	534	-0.522552765355562	0.601503050740456	0.000513009980002252	0.761139404816406
LGG	RING1	cg12065531	0.147387208129768	534	3.43704077630278	0.00063412156276199	0.0217229891202876	0.00458294805402325
LGG	RING1	cg12115664	-0.114138657379764	534	-2.64994023339712	0.00829015924791169	0.0130276331084552	0.0369309195746459
LGG	RING1	cg12256228	-0.0274075032585918	534	-0.63239505689564	0.527400453828818	0.000751171234869721	0.706006996411403
LGG	RING1	cg14046664	0.0566174089163795	534	1.30798570161686	0.191443041679293	0.00320553099240453	0.3719096013085
LGG	RING1	cg14363494	0.15782211837007	534	3.6863863392511	0.000250793908461247	0.0249078210468163	0.00209810316322553
LGG	RING1	cg18189601	-0.104660508175781	534	-2.42505624144637	0.0156385093719039	0.0109538219716128	0.0602954947751346
LGG	RING1	cg20505183	-0.0643331033087307	534	-1.48693128907411	0.137625368583773	0.00413874818133182	0.297706752039764
LGG	RING1	cg24536938	-0.0174178398844787	534	-0.401805612210489	0.687988456572311	0.000303381146241338	0.820615660455779
LGG	RING1	cg24550302	-0.123222758638999	534	-2.8612816290173	0.00438563190845751	0.015183848246605	0.0223458114151522
LGG	RNF17	cg00202166	-0.893877427473517	534	-45.9890001937365	1.68951213774106e-187	0.799016855346673	2.62867814486856e-183
LGG	RNF17	cg01405147	0.034794197208808	534	0.803018743453708	0.422322509177655	0.00121063615940542	0.61740714713281
LGG	RNF17	cg07131398	-0.370109555881097	534	-9.09366607017291	2.00997763522159e-18	0.136981083354503	2.28937335511608e-16
LGG	RNF17	cg12020676	-0.323369851287781	534	-7.88204758535009	1.8324884960109e-14	0.104568060721882	1.33230476690348e-12
LGG	RNF17	cg14855529	-0.209747145778924	534	-4.94790709258875	1.00800147358725e-06	0.043993865162405	1.71972302168909e-05
LGG	RNF17	cg15523998	0.0480821259742617	534	1.1103044489662	0.267369442879121	0.00231189083820477	0.463087453183083
LGG	RNF17	cg17806989	-0.900312917011727	534	-47.7108652925164	2.45257922356849e-194	0.810563348538165	6.35986493727624e-190
LGG	RNF17	cg20477497	-0.377183047639854	534	-9.39359722725077	1.69477550652117e-19	0.142267051426888	2.16383761771978e-17
LGG	RNF17	cg21831927	0.0450217265572266	534	1.03948578957932	0.299051054555867	0.00202695586219368	0.49734298474682
LGG	RNF17	cg23678722	-0.182573129830787	534	-4.28306059463066	2.18766465343753e-05	0.0333329477362095	0.000259030610862958
LGG	RNF17	cg24753530	-0.344146797752978	534	-8.45420698425525	2.71374867063527e-16	0.118437018403629	2.47313795647374e-14
LGG	RNF20	cg04845236	0.0419471649920495	534	0.968368940855312	0.333300170400846	0.00175956465087022	0.53294881733097
LGG	RNF20	cg14625770	0.0624051377108146	534	1.44219329285218	0.149836286259871	0.00389440121270573	0.315403416221565
LGG	RNF20	cg21219529	0.184625331554849	534	4.33289324924509	1.75982533311891e-05	0.0340865130517379	0.000214314107646606
LGG	RNF217	cg00991794	-0.0262353129500058	534	-0.604759948965157	0.545596839710781	0.000688291645584744	0.719429132811168
LGG	RNF217	cg02312409	0.0188951506419471	534	0.435896835382798	0.66308839757876	0.000357026717781873	0.804107477689234
LGG	RNF217	cg03113502	-0.153780751338171	534	-3.58291758591942	0.000371100988789509	0.0236485194821324	0.00291993833537889
LGG	RNF217	cg06993703	0.0450371005815251	534	1.03984147463205	0.298885902337511	0.00202834042879041	0.497146245166652
LGG	RNF217	cg07439975	-0.101869044864748	534	-2.36190935624898	0.0185403258378477	0.010377302301656	0.0686625777506202
LGG	RNF217	cg10621825	-0.0913477962977612	534	-2.11579438817134	0.0348262921964366	0.00834441988845727	0.110442973182079
LGG	RNF217	cg16203203	0.0675382264743551	534	1.56134268239194	0.119037558129503	0.00456141203530128	0.269237034369139
LGG	RNF217	cg17382198	-0.0140255299084664	534	-0.323532426670546	0.746419193163788	0.000196715489213284	0.857598547097041
LGG	RNF217	cg18192252	0.0179344190614988	534	0.41372616234476	0.679241394950508	0.000321643387073451	0.8149178785167
LGG	RNF217	cg19171596	0.0188183441989907	534	0.433716136342842	0.66467073646931	0.000354130078391687	0.805323333482229
LGG	RNF217	cg19478500	0.100443041293945	534	2.32850702394608	0.0202589865684595	0.0100888045443772	0.0735464837886386
LGG	RNF217	cg20034100	0.197272516082066	534	4.641323363808768	4.36520458563846e-06	0.0389164456013491	6.31671736486529e-05
LGG	RNF217	cg23521835	-0.127798904512721	534	-2.97206839279546	0.00309187795972141	0.0163325599946516	0.0168674301541772
LGG	RNF217	cg24822696	-0.0122924217848257	534	-0.283547670698145	0.776867353564829	0.000151103633336058	0.876602684873334

LGG	RPH3A	cg00851732	-0.00738799657562085	534	-0.170409716672203	0.864752717617515	5.45824934013854e-05	0.928192018355299
LGG	RPH3A	cg00854817	-0.0630996000434909	534	-1.45830623649399	0.145346245230941	0.00398155952564852	0.309196059126197
LGG	RPH3A	cg01119407	0.00211163027850136	534	0.0487051253150082	0.961172570403383	4.45898243308372e-06	0.979668734747377
LGG	RPH3A	cg01573562	-0.0863154636426259	534	-1.99833504901957	0.0461888194317679	0.00745035926384147	0.136167442296064
LGG	RPH3A	cg05967001	-0.113559293935101	534	-2.63631305802566	0.00862604102770534	0.0128957132390386	0.0380675196113745
LGG	RPH3A	cg08254200	-0.0630831036815913	534	-1.45792346265984	0.145451697444873	0.0039794779701024	0.309329397239651
LGG	RPH3A	cg09384610	-0.0905795140292588	532	-2.09390458010651	0.0367429647790083	0.00820464836177669	0.114983796694082
LGG	RPH3A	cg11596863	-0.0374893694242427	534	-0.865305285721255	0.387261276372248	0.00140545281982735	0.585209862744807
LGG	RPH3A	cg16403344	-0.0649170416104606	534	-1.50048471779127	0.134082112361144	0.00421422229145427	0.29229549030135
LGG	RPH3A	cg17453780	-0.100790862859488	534	-2.33665295980061	0.0198274767593676	0.0101587980359601	0.0723310071286396
LGG	RPH3A	cg18629535	-0.064469756202045	534	-1.49010291639628	0.136789793471317	0.00415634946475112	0.296487096179029
LGG	RPH3A	cg19712198	-0.0629861839975686	533	-1.45430584930059	0.14645234474606	0.00396725937457556	0.310676093672966
LGG	RPH3A	cg20704159	-0.00933946807744561	534	-0.215425395924627	0.829518234285575	8.72256639696256e-05	0.908408760353783
LGG	RPH3A	cg21900624	-0.0748029247407583	534	-1.7301862231497	0.0841769410048134	0.00559547754977155	0.210546824471957
LGG	RPH3A	cg23199238	0.000168642512007362	526	0.00386040360279361	0.996921320417128	2.84402968561531e-08	0.998448628265595
LGG	RPH3A	cg23549179	-0.0828492724355277	534	-1.91752110668314	0.0557069155749732	0.00686400194309628	0.155950596524813
LGG	RPH3A	cg23596620	-0.124922878620459	534	-2.90411132115715	0.00383600355208357	0.015605725602822	0.0200806177465036
LGG	RTF1	cg04910470	-0.0101564624185716	533	-0.234051876332617	0.815034916030645	0.000103153728859858	0.900534403159982
LGG	RTF1	cg07091958	0.0744521273834006	534	1.72202697146364	0.0856458769569062	0.00554311927191411	0.213188674095761
LGG	RTF1	cg07129439	0.150911279301081	534	3.52111377106099	0.000466634883429507	0.0227742142202888	0.00353987265933838
LGG	RTF1	cg15581235	0.0699704961098045	534	1.61784348756858	0.106289040940411	0.00489587032585216	0.248726075409649
LGG	RTF1	cg18782716	0.0611601804093268	534	1.41331299067368	0.158148539129547	0.00374056766770141	0.32718755278189
LGG	RTF1	cg22263512	0.248041729435298	534	5.90566956223941	6.26766472905025e-09	0.0615246995412535	1.78146404797857e-07
LGG	RTF1	cg24280607	0.109793392417279	534	2.54780124921884	0.0111205360673695	0.0120545890184947	0.046318872561669
LGG	RTF1	cg27576415	0.220076005643521	534	5.20366017562343	2.79446903591051e-07	0.0484334482600073	5.46084090688118e-06
LGG	SATB1	cg01069104	-0.0370595209173096	534	-0.855370077325923	0.392731361057073	0.00137340809062051	0.589604838127175
LGG	SATB1	cg01373248	0.327807525838836	534	8.00313882267583	7.65425436784928e-15	0.107457773996579	5.80931770041431e-13
LGG	SATB1	cg04004754	-0.1232079926897	534	-2.86362611623872	0.00435348891015551	0.0151802094626251	0.0222198737879962
LGG	SATB1	cg14415616	-0.0724688882277846	534	-1.67591049528295	0.0943432752867127	0.00525173976097113	0.228426416360241
LGG	SATB1	cg19818826	0.127362821168217	534	2.96175940543268	0.00319553262396241	0.0162212882159272	0.0173429095122458
LGG	SATB1	cg26131754	0.12948133348017	534	3.0118574049139	0.00271999795654672	0.0167654157198031	0.015236140627275
LGG	SATB1	cg26768584	0.159443521314997	534	3.72524160187492	0.000215981938066871	0.0254222364893261	0.00185026017786662
LGG	SCML2	cg00457389	0.00431503217077609	534	0.0995276837972854	0.920756800577674	1.86195026348326e-05	0.958431740314435
LGG	SCML2	cg04189389	0.104348209701286	534	2.42001581163809	0.0158538718674372	0.0108885488678636	0.060887446092783
LGG	SCML2	cg05049545	-0.00753668146790482	534	-0.173839438815841	0.862057775759944	5.680156754866e-05	0.926731466972557
LGG	SCML2	cg06131666	0.156430067068264	534	3.65305166360657	0.000284799959325236	0.0244703658829815	0.002340311401262
LGG	SCML2	cg08300622	-0.0341174997070799	534	-0.787382793598877	0.431408460526725	0.0011640037862626	0.625344521469331
LGG	SCML2	cg17710066	0.169811976246124	534	3.97445760510132	8.02772020738324e-05	0.0288361072766143	0.000797231062141984
LGG	SCML2	cg17727916	0.0412148503718958	534	0.951434110329071	0.341816096784426	0.00169866389117776	0.540978179461441
LGG	SCML2	cg22823767	0.00598459009046407	534	0.13803779159932	0.890262780353624	3.58153185508808e-05	0.941898533350707
LGG	SCML2	cg26246138	-0.0104676960891313	534	-0.241451949368527	0.809297887611831	0.000109572661414415	0.896921672349129
LGG	SCML4	cg00977377	-0.262741946064226	534	-6.28084624573939	7.00452875740489e-10	0.069033302216165	2.37952100503736e-08
LGG	SCML4	cg03500965	-0.322977372517505	525	-7.80450101533928	3.27464616802118e-14	0.104314383158311	2.30749840575217e-12
LGG	SCML4	cg05603896	-0.283471427703125	534	-6.81797254724371	2.51338581426816e-11	0.0803560503240478	1.1071706457258e-09
LGG	SCML4	cg08792995	-0.189666309312358	534	-4.45555162794488	1.02071507145397e-05	0.0359733088881709	0.000133409792118094
LGG	SCML4	cg17388996	-0.397105106026481	534	-9.97989437049312	1.29073217566192e-21	0.157692465232303	1.96115661862193e-19
LGG	SCML4	cg23503775	-0.267321080987577	534	-6.39865724760478	3.44071242014619e-10	0.0714605603403666	1.23576538325417e-08
LGG	SCML4	cg27353361	-0.247531300712679	534	-5.89272257150941	6.74661218652379e-09	0.0612717448325109	1.90922498522529e-07
LGG	SCML4	cg27659622	-0.224667025968123	534	-5.31792261096934	1.54798262061584e-07	0.0504752725573611	3.21902592858029e-06
LGG	SETD1A	cg26692825	-0.0147142292906825	534	-0.339422286555795	0.734425579564594	0.00021650854361878	0.850270162015746
LGG	SETD6	cg01152986	-0.09618146035593	534	-2.22877041319322	0.0262461556409516	0.00925087331619933	0.0893642083303655
LGG	SETD6	cg01472538	-0.11613692581727	534	-2.69696250518261	0.00721940422399623	0.0134877855382861	0.0332087471736969
LGG	SETD6	cg01773760	-0.109687025005598	534	-2.54530287616587	0.0111994388613425	0.0120312434545786	0.0465709400673124
LGG	SETD6	cg02549819	-0.123932291724706	533	-2.87801352352607	0.00416303560958427	0.0153592129321376	0.0214320158964991
LGG	SETD6	cg05502081	-0.123043378595617	534	-2.85974126608834	0.00440634236822411	0.0151396730162243	0.0224337040702635
LGG	SETD6	cg09132913	-0.108144728788424	534	-2.50908710084069	0.0124005113990636	0.0116952823647217	0.0504384285150451
LGG	SETD6	cg19824325	-0.115213888707044	534	-2.67523796045231	0.00769758941604091	0.013274240150999	0.0349068068220045

LGG	SETD6	cg26666090	-0.131589663102852	534	-3.06175625129665	0.00231164151150402	0.017315839435522	0.0133694029994754
LGG	SETD7	cg05316864	0.146349018418923	534	3.41229858707202	0.000693201339846165	0.0214180351921824	0.00494696862966632
LGG	SETDB1	cg02060408	0.0584290896609524	534	1.34998062679601	0.177596280551182	0.00341395851860762	0.353973125187637
LGG	SETDB1	cg08531528	-0.0188283605529913	534	-0.434355491155528	0.664206424094149	0.000354507161113439	0.804950070363565
LGG	SETDB1	cg10589385	-0.0265249105917998	534	-0.61201571953844	0.540788825634831	0.000703570881902974	0.715929232896563
LGG	SETDB1	cg10961700	0.0634558584863203	534	1.46657298343924	0.143083099068502	0.00402664597623591	0.305830492607293
LGG	SETDB1	cg12082615	0.00212031544178723	534	0.0489054510388771	0.961012999211268	4.49573757268139e-06	0.979573444190794
LGG	SETDB1	cg15448220	0.222529346425659	534	5.26467370390334	2.04126003224981e-07	0.0495193100206308	4.12418773375665e-06
LGG	SETDB1	cg16370685	0.0403691621091215	526	0.926609555197194	0.354554243138703	0.00162966924939253	0.553525843683168
LGG	SETDB1	cg17899625	-0.0104018018257551	534	-0.23993184166735	0.810475513742098	0.000108197481222282	0.897696791622111
LGG	SETDB1	cg17918089	0.0174907941413128	534	0.40348908053096	0.686750586372288	0.000305927879693782	0.819716146157507
LGG	SETDB1	cg19689029	0.0551806631122083	534	1.27469103917657	0.202975074488207	0.00304490558150303	0.386778761659168
LGG	SETDB1	cg26820223	-0.00745959682799118	534	-0.172061321992676	0.863454751656098	5.56455848361761e-05	0.927425842910676
LGG	SETMAR	cg00300090	-0.0492061178753896	534	-1.13632175758856	0.256333531760428	0.00242124203636673	0.450608098019857
LGG	SETMAR	cg02520519	-0.0286295481567083	534	-0.6606149046917	0.509145252522134	0.00081965102765728	0.691636319420589
LGG	SETMAR	cg06021447	-0.0200269879815712	534	-0.462017647328769	0.644257541756515	0.000401080247613998	0.791287693260177
LGG	SETMAR	cg06267913	-0.0797095557028478	534	-1.84437945447699	0.0656836300542708	0.0063536132703454	0.175896465281995
LGG	SETMAR	cg14751177	-0.113788073611393	534	-2.64169384573428	0.00849198489848698	0.0129477256961918	0.0376231831649238
LGG	SETMAR	cg14961031	0.0956717970099274	534	2.21685081827414	0.0270553477822908	0.00915309274310876	0.0913953591287303
LGG	SETMAR	cg15232450	0.00200069121417744	534	0.0461462856766873	0.963210971306129	4.00276533448681e-06	0.980644597005522
LGG	SETMAR	cg15384599	-0.00257477395452458	534	-0.059387680449845	0.952665626373589	6.62946091689812e-06	0.975031922660075
LGG	SETMAR	cg16423812	-0.061336991323912	534	-1.41741421283382	0.156947245188208	0.00376222650466965	0.325562061492986
LGG	SETMAR	cg21901604	-0.0800976962452715	534	-1.85341839138832	0.0643758379493755	0.00641564094379978	0.17329927005377
LGG	SETMAR	cg22149154	-0.0221644842372125	534	-0.511352223680381	0.609316601801926	0.000491264361501642	0.766863842896723
LGG	SETMAR	cg23182840	0.00474508130630772	534	0.109447126515147	0.91288912718471	2.25157966034709e-05	0.953887918734911
LGG	SETMAR	cg23549342	0.0263442759329286	534	0.607844987580367	0.543549673387443	0.000694020874430281	0.717854999576563
LGG	SETMAR	cg24390964	-0.0595249297690043	534	-1.37538876985384	0.169589800826423	0.00354321726400489	0.343131654021971
LGG	SETMAR	cg26797270	-0.0243201752121049	534	-0.561113851702244	0.574956187209639	0.000591470922347483	0.742006330918823
LGG	SETMAR	cg27265118	-0.039095186499991	534	-0.902425283210584	0.367239388097492	0.00152843360746907	0.566137981444946
LGG	SFMBT2	cg09060610	0.00933991930989672	534	0.215435805019548	0.829510123693412	8.72340927153816e-05	0.908408760353783
LGG	SFMBT2	cg12328063	-0.121688443527604	534	-2.82511528928913	0.00490416978393406	0.0148080772881709	0.0244075864737615
LGG	SFMBT2	cg20299663	-0.172262629922359	532	-4.02596751587424	6.50207652552117e-05	0.0296744136677675	0.000667576271910247
LGG	SFMBT2	cg25291138	-0.0608376577840317	534	-1.40583225244804	0.16035769759344	0.00370122060464695	0.330215569036151
LGG	SHPRH	cg00571935	-0.0825974676176935	534	-1.91165306628047	0.0564576476635594	0.00682234165685593	0.157520032878653
LGG	SHPRH	cg02758840	0.00676329032611833	534	0.15599970598135	0.876092429043922	4.57420960353658e-05	0.934413650125404
LGG	SHPRH	cg06708562	-0.0317796542147059	534	-0.733372129766846	0.463654530190022	0.00100994642200627	0.652889630409488
LGG	SHPRH	cg11387577	-0.0422667250103529	534	-0.975759278609454	0.329627241093205	0.00178647604310079	0.529284172536817
LGG	SHPRH	cg11675148	0.0152973283774655	534	0.352876084462888	0.724321108214275	0.000234008255488013	0.84385992670186
LGG	SHPRH	cg12989205	0.182034282346226	534	4.26998564349116	2.31539477881673e-05	0.0331364799493054	0.000272378378078435
LGG	SHPRH	cg14102550	-0.0673785858419998	534	-1.55763527341522	0.119914390310039	0.00453987383006773	0.270584675599758
LGG	SHPRH	cg15443174	0.0730680266326368	534	1.68984019345596	0.0916443787400645	0.00533893651598772	0.223734767319113
LGG	SHPRH	cg16339435	-0.047745307114593	534	-1.10250885028589	0.270739011370021	0.0022796143514668	0.466941662983182
LGG	SHPRH	cg18099523	-0.0880605656336604	534	-2.03904942833463	0.0419388139044013	0.0077546632197202	0.12673690280383
LGG	SHPRH	cg26814539	0.0239504875761453	534	0.552579503969382	0.580783466826922	0.000573625855135089	0.74648033933076
LGG	SHPRH	cg27398948	-0.020911730566202	534	-0.48243717997396	0.629693849416434	0.000437300475273428	0.781525713855941
LGG	SIN3A	cg01088093	-0.0057778007866877	534	-0.133267922922924	0.894031889149246	3.3382981930649e-05	0.943822998839414
LGG	SIN3A	cg01664094	0.0551681059283587	534	1.27440007855166	0.203078041289271	0.00304351991172261	0.386908235358016
LGG	SIN3A	cg02028562	-0.0703078412707677	534	-1.62568216847446	0.104609483498329	0.00494319254415547	0.245979632428635
LGG	SIN3A	cg07544511	0.0900114651949702	534	2.08458761879252	0.0375831003039798	0.00810206386654533	0.11699170521579
LGG	SIN3A	cg10483776	0.102488346458866	534	2.3764202832775	0.0178344644366434	0.0105038611598726	0.0666811724086951
LGG	SIN3A	cg11184237	-0.0643477024543845	534	-1.48727012201098	0.137535914150452	0.004140626811158	0.297595997703119
LGG	SIN3A	cg15851274	-0.0190190949732244	534	-0.438757168654883	0.661015626065829	0.000361725973600528	0.802782438178815
LGG	SIN3A	cg22059910	0.0807625240306689	534	1.86890273752341	0.0621856166389799	0.00652258528780437	0.168998562255091
LGG	SIN3A	cg25697800	-0.0132923102510767	534	-0.306615888485834	0.759255725334854	0.000176685511810878	0.865987448269942
LGG	SIN3B	cg06815056	-0.173727250163199	534	-4.06891345662955	5.43962911553208e-05	0.0301811574492668	0.000570772197752499
LGG	SIPT1	cg02720207	-0.0886124884672575	534	-2.05193007168483	0.040665352456594	0.00785217311235985	0.123806491583018
LGG	SIPT1	cg03211233	-0.131656424356628	534	-3.06333700857911	0.00229967724866955	0.0173334140743725	0.0133120836284693

LGG	SIRT1	cg07832903	-0.194674908112109	534	-4.57778411692898	5.85616105447609e-06	0.0378983198484581	8.18411140422194e-05
LGG	SIRT1	cg10582690	-0.0810999969559412	534	-1.87676369870215	0.0610975828622058	0.00657720950625367	0.166794796143202
LGG	SIRT1	cg10705386	-0.240099233004821	534	-5.70479349177216	1.9351983371515e-08	0.0576476416895035	4.98995092609756e-07
LGG	SIRT1	cg19192316	0.158818946692026	534	3.71027066666026	0.000228818382532182	0.0252234578283647	0.00194330756012102
LGG	SIRT1	cg19681528	-0.00583478224720678	534	-0.134582273909356	0.892993057177669	3.40446838723193e-05	0.943251122080131
LGG	SIRT1	cg19980381	0.0524216849363013	534	1.21077749848346	0.22651830332423	0.00274803305156083	0.416076925606936
LGG	SIRT1	cg25513531	0.149889680414871	534	3.49672772876982	0.000510373490380664	0.0224669162948722	0.0038136581798745
LGG	SIRT4	cg04118464	-0.0351548934346636	530	-0.808297579050481	0.419283323360241	0.00123586653240255	0.614663378763928
LGG	SIRT4	cg07106325	-0.0696633000360969	534	-1.6107058476724	0.107836973937511	0.00485297537191926	0.251440761014708
LGG	SIRT4	cg08264848	-0.0522369834835181	532	-1.2042297852783	0.229038289483342	0.00272870244345734	0.41902504759016
LGG	SIRT4	cg12124973	-0.0538447307339444	533	-1.24257024505868	0.214574681156535	0.00289925502781098	0.401380377188752
LGG	SIRT4	cg20010714	0.00623553510612365	534	0.143826193990163	0.885692181276788	3.88818980597005e-05	0.939429776808552
LGG	SIRT4	cg21068152	-0.057451183721039	534	-1.32731104226321	0.184975130672355	0.00330063851094857	0.363538774613476
LGG	SIRT4	cg21123573	-0.037662691510517	527	-0.863573371022542	0.388216645590383	0.00141847833181637	0.586016099950681
LGG	SIRT5	cg01064902	-0.0547845979639491	534	-1.26551416446023	0.206241034848218	0.00300135217407153	0.390721729976253
LGG	SIRT5	cg02206980	-0.13757818680811	534	-3.20372258893455	0.00143789521234301	0.0189277574854073	0.00908098880897971
LGG	SIRT5	cg02712746	-0.097366734822362	534	-2.25649751469587	0.0244445457627289	0.00948028104996815	0.084762157034354
LGG	SIRT5	cg06139021	-0.00663336530030817	534	-0.153002767293599	0.878454106621681	4.40015352073326e-05	0.935421717494005
LGG	SIRT5	cg07534331	-0.0493017582607772	534	-1.1385357667798	0.255409267728222	0.00243066336760411	0.449665019009612
LGG	SIRT5	cg07909422	-0.105110521571317	533	-2.43559959854731	0.015195080319018	0.0110482217449943	0.0589716177768861
LGG	SIRT5	cg08619119	-0.172192558691789	534	-4.03186565434567	6.34254556231621e-05	0.0296502772688253	0.000653439265626841
LGG	SIRT5	cg10907941	-0.0466199827734596	534	-1.07646618337821	0.282206725109755	0.00217342279379767	0.47934150945197
LGG	SIRT5	cg11824369	-0.060767816284726	534	-1.40421237486459	0.160839134754542	0.00369272749601421	0.330838700399123
LGG	SIRT5	cg19366958	-0.0842604808066646	534	-1.95041467657454	0.0516514600984125	0.0070998286257703	0.147754134469421
LGG	SIRT5	cg20150972	-0.0254722108150687	534	-0.587710425349182	0.556976046158568	0.000648833523807304	0.728310801856683
LGG	SIRT7	cg11691214	0.0189764060562678	532	0.436948355593287	0.662326769149935	0.000360103986812358	0.803622320157996
LGG	SIRT7	cg12710567	-0.0163282080273995	526	-0.373819601112805	0.708689737081131	0.000266610377386035	0.834013585271176
LGG	SIRT7	cg17552093	-0.0371905421294791	534	-0.858398356506172	0.391059108794231	0.00138313642388456	0.588269024651257
LGG	SIRT7	cg20397086	0.0315084439437021	526	0.721619543078561	0.470850285210959	0.000992782039753418	0.659283889764206
LGG	SMARCA	cg03460558	-0.0805866484523337	534	-1.86480621780268	0.0627589566088389	0.00649420790878002	0.170132566753049
LGG	SMARCA	cg06675660	-0.0907739754027781	534	-2.10239279209321	0.0359882238449634	0.00823991461042417	0.113236850258659
LGG	SMARCA	cg08617833	-0.0746207816753921	534	-1.72594964811316	0.0849370922695301	0.00556826105784653	0.2119420481087
LGG	SMARCA	cg12935118	-0.104895128459153	534	-2.43284054796604	0.0153094127367675	0.0110029879744622	0.0593246327076165
LGG	SMARCA	cg17420696	-0.0689806057053783	534	-1.59484522587059	0.111340719191941	0.00475832396348087	0.257098646064166
LGG	SMARCA	cg18959966	-0.120547703176146	533	-2.79823949486843	0.00532486294262616	0.0145317487410441	0.0260710169147624
LGG	SMARCA	cg24447042	-0.0351981910971555	534	-0.812354057913588	0.416951851615212	0.00123891265651188	0.612468888681153
LGG	SMARCA	cg26010110	-0.0651093340477133	534	-1.50494823605307	0.132930836992325	0.00423922538013671	0.290614364123789
LGG	SMARCA	cg27353825	-0.066765455959286	528	-1.53466933867441	0.125466318626824	0.00445762610945136	0.279135378821608
LGG	SMARCA	cg04518912	-0.0609213987555275	534	-1.40777453650988	0.15978188033524	0.00371141682632998	0.32947502852729
LGG	SMARCA	cg13529335	0.0284374237939499	534	0.65617811491125	0.511993225142252	0.000808687072036708	0.693878278748412
LGG	SMARCA	cg14290704	-0.12639948631853	534	-2.93899239923339	0.00343579175472517	0.0159768301415884	0.0183587226190147
LGG	SMARCA	cg21210735	-0.263313623823983	533	-6.2896094872739	6.65502818954957e-10	0.069334064491318	2.26871719096327e-08
LGG	SMARCA	cg08405378	-0.109507630386812	534	-2.54108943004984	0.0113336365294023	0.0119919211129347	0.0470158865337985
LGG	SMARCA	cg17218495	0.0510591749162244	534	1.17922440687437	0.238835924203436	0.0026070393431256	0.430634924411637
LGG	SMARCA	cg17747332	-0.059844451676946	534	-1.3827981386506	0.167306897239463	0.00358135839651432	0.340060426499629
LGG	SMARCA	cg18522266	-0.00391366757062921	534	-0.0902699237915832	0.92810669522534	1.53167938533947e-05	0.962104500611102
LGG	SMARCA	cg23892580	0.0257043710627209	534	0.593070494042628	0.553386004277401	0.000660714691730041	0.725335470022176
LGG	SMARCA	cg01278696	0.0262973943468589	534	0.606762533258753	0.544267360289753	0.000691552949434208	0.718436083722287
LGG	SMARCA	cg01575392	-0.30440821821474	534	-7.37103044307799	6.51590132640105e-13	0.0926643633166728	3.78847554399135e-11
LGG	SMARCA	cg02782292	0.19716313676	534	4.63864583089029	4.41989567725464e-06	0.0388733024970426	6.38398374148436e-05
LGG	SMARCA	cg05358385	-0.11079074333356	534	-2.57123149345518	0.0104043294618439	0.0122745888084028	0.0439577693018347
LGG	SMARCA	cg10878459	-0.264289602661849	534	-6.32061247711324	5.51686413560842e-10	0.0698489940751579	1.90915893490001e-08
LGG	SMARCA	cg12253543	-0.137188678977115	534	-3.19447805588044	0.00148384305937711	0.0188207336394859	0.00931897044976046
LGG	SMARCA	cg13848802	-0.211902787160023	521	-4.93965434526911	1.05716890272168e-06	0.0449027912061858	1.7940968066826e-05
LGG	SMARCA	cg13898584	-0.0391098494555099	534	-0.90276426327231	0.367059580418	0.00152958032443265	0.565948458633564
LGG	SMARCA	cg16091845	-0.0703388062565324	534	-1.62640171074715	0.10445637553297	0.004947547665594	0.2457529725181
LGG	SMARCA	cg16587443	-0.134997391382733	527	-3.12175551714488	0.00189678197967278	0.0182242956801428	0.0113927005347949

LGG	SMARCA	cg19993723	0.100807589249669	534	2.3370447114722	0.0198069290821671	0.0101621700503299	0.0722662152245618
LGG	SMARCA	cg20045045	-0.100677761909136	534	-2.33400405542978	0.0199669042332429	0.0101360117430327	0.0727100757347233
LGG	SMARCA	cg22077701	-0.220159977552762	534	-5.20574679744772	2.76475430480166e-07	0.0484704157160326	5.41357403442589e-06
LGG	SMARCA	cg24607315	-0.243893088401469	533	-5.7951358658853	1.17134404197466e-08	0.0594838385700067	3.15962338423636e-07
LGG	SMARCB	cg01745726	-0.0973997329424996	534	-2.25726957716284	0.0243959569799259	0.00948670797727024	0.0846393488633443
LGG	SMARCB	cg01912455	0.19396784958478	534	4.56050638843798	6.33950094174477e-06	0.0376235266725437	8.76911693211403e-05
LGG	SMARCB	cg03979008	0.0163856353592076	534	0.377987477022027	0.705590663440923	0.000268489046124915	0.832081010061289
LGG	SMARCB	cg10122452	0.181749957941025	534	4.26308821285915	2.3856128712173e-05	0.0330330472115645	0.000279245211711523
LGG	SMARCB	cg16142952	-0.0019237836967445	534	-0.0443723939125684	0.964624216102144	3.70094371185994e-06	0.981428373145487
LGG	SMARCB	cg19906397	0.0520670348800781	534	1.20256384494486	0.229680094401532	0.00271097612120327	0.419765382320931
LGG	SMARCC	cg02564102	0.0718169522987611	534	1.66075534999435	0.097351792117032	0.00515767463748252	0.233559036450761
LGG	SMARCC	cg02627110	-0.0835901674638654	534	-1.93478901748329	0.0535459632092144	0.00698731609663706	0.151689838749413
LGG	SMARCC	cg05592996	-0.0477091424564125	531	-1.09856124057803	0.272459228362697	0.00227616227392626	0.468837913053765
LGG	SMARCC	cg07143957	0.0406150449445609	534	0.937564710260377	0.348893585406596	0.0016495818758487	0.547983547790047
LGG	SMARCC	cg07304068	-0.137519427625783	533	-3.19931678614662	0.00145978387010617	0.0189115929745229	0.00919533816931495
LGG	SMARCC	cg07474652	-0.0585045899128589	534	-1.35173101711095	0.177035810214084	0.00342278704087179	0.353206998606336
LGG	SMARCC	cg12894336	-0.0253080969093553	534	-0.583921454249683	0.55952065149522	0.000640499769173321	0.730263393380071
LGG	SMARCC	cg16250355	0.0213154185878535	534	0.491754524497709	0.623095721564118	0.00045434706957541	0.776728478832505
LGG	SMARCC	cg20685352	-0.0457489869375763	533	-1.05531886317417	0.291759431840043	0.00209296980581453	0.489447161938289
LGG	SMARCC	cg22984439	-0.0842542342542812	534	-1.95026905105806	0.0516688530538807	0.00709877598977529	0.147798453981232
LGG	SMARCD	cg02553054	-0.115055509936337	534	-2.67151107501233	0.00778242564461205	0.0132377703667105	0.0351807786970161
LGG	SMARCD	cg04550398	-0.0731284867420349	534	-1.69124596569456	0.0913755004809229	0.00534777557317997	0.223255831796888
LGG	SMARCD	cg09878554	0.0609602923410107	534	1.40867664260399	0.159514972244338	0.00371615724230149	0.329133165816407
LGG	SMARCD	cg13349421	-0.0767016169750858	534	-1.77435949796942	0.0765755436161639	0.00588313804659278	0.196862891029547
LGG	SMARCD	cg17846064	-0.0580764330751966	533	-1.34054329093772	0.180642014333516	0.00337287207873779	0.357770433642952
LGG	SMARCD	cg18591973	0.051234234674213	534	1.18327807823407	0.237227446230869	0.00262494680265233	0.428644770569151
LGG	SMARCD	cg20405918	-0.0638517832957063	533	-1.47437317772075	0.140973748474396	0.00407705023004184	0.302819521449557
LGG	SMARCD	cg22402853	-0.131079860802562	534	-3.04968666841533	0.00240489426932893	0.0171819299080189	0.0137979456293366
LGG	SMARCD	cg25107077	-0.0265292318533422	534	-0.612115495274471	0.540722864510066	0.000703800142728387	0.715929232896563
LGG	SMARCD	cg00945038	-0.0373078553960467	534	-0.861109843025383	0.389565478805063	0.00139187607425233	0.587220385168498
LGG	SMARCD	cg02127607	-0.0353086031252753	534	-0.814905480059226	0.4154910624428	0.0012466974546582	0.611115127271567
LGG	SMARCD	cg02360836	0.0320352540757549	534	0.739276587178251	0.460065121139637	0.00102625750369817	0.649905684291574
LGG	SMARCD	cg04367190	-0.0899943668185408	534	-2.08418840163364	0.0376195401634061	0.00809898605907008	0.1170536160096
LGG	SMARCD	cg06420487	-0.00527971725595948	534	-0.121779036805413	0.903120000987095	2.78754143028763e-05	0.948758505509675
LGG	SMARCD	cg07362569	-0.132388787457924	534	-3.08068052007517	0.00217209411931133	0.0175267910445794	0.0126954087090688
LGG	SMARCD	cg11697258	-0.104152784205459	534	-2.41543380438886	0.0160524961311382	0.010847802457749	0.0614560966548111
LGG	SMARCD	cg12577610	-0.0370003696692727	534	-0.854002935376308	0.393487735321094	0.00136902735566284	0.590273335034791
LGG	SMARCD	cg15868002	0.0173433497060388	534	0.400086708094108	0.689253248633802	0.000300791779025956	0.821333177251232
LGG	SMARCD	cg19016967	-0.0387677429436081	534	-0.89485555331744	0.371268984008439	0.00150293789294168	0.569944339370757
LGG	SMARCD	cg19143629	-0.00824868591090667	534	-0.190263446133103	0.849175273617254	6.80408192567901e-05	0.919579348475468
LGG	SMARCD	cg21254277	-0.0425050605769609	534	-0.981271365881732	0.326904968239518	0.00180668017465112	0.526417824450943
LGG	SMARCD	cg23682543	-0.0455995934499279	534	-1.05285551441441	0.292885178030825	0.00207932292279871	0.49057400236258
LGG	SMARCD	cg24795630	-0.0505491954795962	534	-1.16741597896474	0.24356538496584	0.00255522116363443	0.43623634299603
LGG	SMARCD	cg25945412	-0.0991224039142393	534	-2.29758569525994	0.0219726316591021	0.0098252509577376	0.0781805208236456
LGG	SMARCD	cg00864064	0.0294242023925795	534	0.678966894657058	0.497454102319403	0.000865783686439483	0.681835622669197
LGG	SMARCD	cg02917064	0.131141769586806	534	3.05115222898567	0.00239338959868341	0.017198163730359	0.0137441020476842
LGG	SMARCD	cg14795305	0.0344950966523345	533	0.795358939222559	0.426760114894099	0.0011899116930539	0.62121094208917
LGG	SMARCD	cg19786287	0.0476057443075455	534	1.09927881031489	0.272143679620012	0.0022663068910754	0.468521371609261
LGG	SMARCD	cg19902439	0.0588573214651875	534	1.35990901913584	0.174434735849516	0.00346418429005643	0.34980475448347
LGG	SMARCD	cg22750243	0.0130787820506328	534	0.301689549108983	0.763006628453038	0.000171054539927956	0.868178113995548
LGG	SMARCD	cg22787816	0.00924946643133302	534	0.213349227662201	0.831136312895362	8.55526292643565e-05	0.909502163781376
LGG	SMNDC1	cg03999743	-0.0314537151283428	534	-0.72584301733931	0.468254198517681	0.000989336195374939	0.65724897372049
LGG	SMNDC1	cg08770590	-0.0550971342590822	534	-1.27275561603762	0.203660710183888	0.00303569420356333	0.387529687108348
LGG	SMNDC1	cg11559952	0.145089763542337	534	3.38230341643335	0.000771698339767896	0.0210510394847712	0.00540306908864222
LGG	SMNDC1	cg12486840	0.0965376429060882	534	2.2371015729397	0.0256931035624218	0.0093195164978634	0.0879585151617252
LGG	SMNDC1	cg17981675	-0.0142296357016586	534	-0.328241562131192	0.742858174797146	0.000202482532201917	0.855481459341793
LGG	SMNDC1	cg18209001	0.0142442435836302	534	0.328578597223125	0.742603521425451	0.000202898475269789	0.855303788145731

LGG	SMNDC1	cg21872391	0.199078618984016	534	4.68556171214449	3.55043138554121e-06	0.0396322965365832	5.25598970897798e-05
LGG	SMNDC1	cg23721301	-0.0073412250511437	534	-0.169330837832212	0.865600786330249	5.38935852515399e-05	0.928628231400494
LGG	SMNDC1	cg26944434	0.0483320941074392	534	1.11609015188847	0.264887399886447	0.00233599132081036	0.460483807525504
LGG	SMYD1	cg00578637	-0.0778841586301478	534	-1.8018812356601	0.0721300736396759	0.00606594216552602	0.18840569951734
LGG	SMYD1	cg00666842	-0.123094309066542	534	-2.86094318643999	0.00438992824382416	0.0151522089245693	0.0223618437532777
LGG	SMYD1	cg03704645	-0.421470661605363	534	-10.7199194226017	2.0756801417174e-24	0.177637518594062	4.00683525917527e-22
LGG	SMYD1	cg14559139	-0.445594464602405	534	-11.480441400094	2.07544081263975e-27	0.198554426884304	4.95266388277596e-25
LGG	SMYD1	cg16090764	-0.570145394100679	534	-16.0070281731365	2.31562778728333e-47	0.325065770414219	1.20900636297933e-44
LGG	SMYD1	cg18148488	-0.0294385418336724	534	-0.679298065861384	0.49724445423234	0.00086662774529288	0.681716203200353
LGG	SMYD1	cg19074493	-0.581997489211701	534	-16.5076247151961	9.87666782269245e-50	0.338721077448724	5.60836128904041e-47
LGG	SMYD2	cg01770831	0.0113679583618892	534	0.262220326740628	0.793253085431138	0.000129230477317647	0.886751651084537
LGG	SMYD2	cg04406444	0.00379812396753378	534	0.0876048368606311	0.930223722423093	1.44257456727545e-05	0.963030713708295
LGG	SMYD2	cg11523160	-0.0633591459727421	534	-1.46295188033518	0.144072182186038	0.00401438137839525	0.307265179536263
LGG	SMYD2	cg14013804	-0.0354349508389989	534	-0.817825183721269	0.413823142799403	0.00125563574096227	0.609415014783189
LGG	SMYD2	cg27570636	-0.074200783171059	534	-1.71618131182099	0.0867110110411911	0.00550575622319852	0.215129365765353
LGG	SMYD5	cg01329511	0.160045834178657	534	3.73968327421593	0.000204244328279137	0.0256146690379421	0.00176740637087288
LGG	SMYD5	cg05103132	-0.0406487030343278	534	-0.938342964806976	0.348493990690975	0.00165231705837297	0.54772494316451
LGG	SMYD5	cg06754047	0.0913947201132031	534	2.1168903884395	0.0347327051885013	0.00835299486457074	0.110204587137379
LGG	SMYD5	cg08834152	0.0134936732326457	534	0.311261600799385	0.755723685250253	0.000182079217309419	0.863744484982858
LGG	SMYD5	cg15623359	-0.00448451020917732	534	-0.103436829493125	0.917655262954255	2.01108318162156e-05	0.956589266134514
LGG	SMYD5	cg17895873	-0.0693906191135267	534	-1.60286196999844	0.109559771120677	0.00481505802095853	0.254230957033914
LGG	SMYD5	cg20402064	0.0991286714022788	534	2.29773241277686	0.0219642108747569	0.00982649349398096	0.078161283600514
LGG	SMYD5	cg25886337	-0.0484553010250768	534	-1.11894194714836	0.263669867879943	0.00234791619743081	0.459106669803661
LGG	SMYD5	cg26467949	0.318428749595131	534	7.74790208739244	4.76326913847402e-14	0.101396868568719	3.27633739485807e-12
LGG	SP100	cg05876232	0.040005330527633	534	0.923467281841879	0.356182384802934	0.00160042667266252	0.554942870027827
LGG	SP100	cg09456094	-0.724733096865048	534	-24.26028866021	4.17309126804162e-88	0.525238061691603	8.32414005400076e-85
LGG	SP100	cg11702456	-0.676164972384772	534	-21.1684078119433	1.32483667846255e-72	0.457199069880099	1.66232813813412e-69
LGG	SP100	cg11827097	-0.650290301707487	534	-19.7437244505014	1.66672633107871e-65	0.422877476494815	1.70606984473601e-62
LGG	SP100	cg23539753	-0.587048357510708	534	-16.7257274105973	9.01036332822341e-51	0.344625774056019	5.43373802136288e-48
LGG	SP100	cg27140170	0.0683645939737904	534	1.5805357331426	0.114578562192709	0.00467371770920122	0.262257260195931
LGG	SP140L	cg04002454	-0.67659515715598	534	-21.1932391037388	9.95337687685304e-73	0.457781006686926	1.26936557501296e-69
LGG	SP140L	cg05217331	0.0447437560853858	534	1.03305494354658	0.302047568976865	0.0020020037086285	0.500446790961907
LGG	SP140L	cg13278004	-0.757343067393208	534	-26.7500034579066	1.58047271517211e-100	0.573568521728553	4.72889593861918e-97
LGG	SP140L	cg24044052	-0.624866796936147	534	-18.460422222641	3.56945493010348e-59	0.390458513913239	2.92297028244705e-56
LGG	SP140L	cg25095994	-0.692466734948789	534	-22.1385213809516	1.83298485994582e-77	0.479510179010636	2.74221584989663e-74
LGG	SP140L	cg26847438	-0.750930626754478	534	-26.2277478607683	6.21296211821323e-98	0.563896806197873	1.66665922422166e-94
LGG	SSRP1	cg01511567	0.158092099992161	534	3.69285404111847	0.000244654775994439	0.0249931120799314	0.00205514238675212
LGG	SSRP1	cg01766191	-0.0502342029458301	534	-1.16012287496696	0.246519143274409	0.00252347514560284	0.439697657484885
LGG	SSRP1	cg02688348	-0.116351427749065	534	-2.70201202155326	0.00711216049869826	0.013537654739246	0.0328068729865603
LGG	SSRP1	cg04937561	-0.0147147110214523	534	-0.3394334013459	0.734417212461468	0.000216522720444849	0.850270162015746
LGG	SSRP1	cg08821673	-0.111356661889952	534	-2.58452981516601	0.0100164040796814	0.0124003061472731	0.0426827420560217
LGG	SSRP1	cg09381635	-0.0805463209322796	534	-1.86386692802406	0.0628910334447533	0.00648770981572579	0.17037103652196
LGG	SSRP1	cg11948159	0.0944995375012113	534	2.1894416210212	0.028998425640612	0.00893016258794284	0.0962991344781767
LGG	SSRP1	cg12795368	0.0084317275769168	534	0.194485765635311	0.845869784363376	7.10940299313393e-05	0.917683296113415
LGG	SSRP1	cg12911972	-0.0631522133540256	534	-1.45952705906136	0.145010307156578	0.00398820205151237	0.308686053767653
LGG	SSRP1	cg16313264	-0.0232159599494202	534	-0.535623387439165	0.592442703809503	0.000538980796373084	0.754744742490075
LGG	SSRP1	cg22636253	-0.0505884872956064	534	-1.1683257370488	0.243198683252125	0.00255919504685773	0.435790260397931
LGG	SSRP1	cg26706201	-0.096151773026638	534	-2.22598102004043	0.0264344060520769	0.00924516345616611	0.0898164825478366
LGG	STK31	cg00755064	-0.00090537313674436	534	-0.0208825533007972	0.983347173725639	8.19700516738324e-07	0.991358882722222
LGG	STK31	cg05000488	0.00749228991801534	534	0.172815455428597	0.862862214848421	5.61344082155943e-05	0.927067353520838
LGG	STK31	cg05407490	0.0598073831986023	534	1.3819385387456	0.167570555511117	0.00357692308506446	0.340391774693365
LGG	STK31	cg11755819	-0.0359894943850064	534	-0.83064030861117	0.406549469338692	0.00129524370608841	0.60282301377555
LGG	STK31	cg13313214	0.0440061764498932	534	1.01599220223567	0.310094926961431	0.00193654356573913	0.508885312033291
LGG	STK31	cg13514718	-0.0611439875153254	534	-1.41293739466174	0.158258903505796	0.00373858720927427	0.327359968505671
LGG	STK31	cg13802883	-0.0284486174100271	534	-0.656436610690674	0.511827068514306	0.000809323832542097	0.693810224398438
LGG	STK31	cg14898779	-0.0433845607852182	534	-1.00161339821469	0.316985698498891	0.00188222011452629	0.516225699282436
LGG	STK31	cg17102984	-0.0391065945773895	534	-0.902689016537492	0.367099489342953	0.00152932573944031	0.565974039195496

LGG	STK31	cg17331904	-0.0220134772633256	534	-0.507866678207384	0.611757337884215	0.000484593181222953	0.768651382433411
LGG	STK31	cg21519371	-0.0148337750628983	534	-0.342180527780146	0.732350175068314	0.000220040882616664	0.848776865147034
LGG	STK31	cg25570411	0.00871705741746236	534	0.201067660034767	0.840722518179624	7.59870900193355e-05	0.91465286240687
LGG	STK31	cg25612145	-0.010106961937696	534	-0.233130249887697	0.81574993518636	0.000102150679610035	0.900838957070414
LGG	SUV39H	cg05903800	-0.120340007997592	534	-2.795976452502	0.00536138231354271	0.0144817175248605	0.0262267104131133
LGG	SUZ12	cg00160853	-0.00167800385489929	534	-0.0387034234700438	0.969141363039023	2.81569693705689e-06	0.983788602069516
LGG	SUZ12	cg01109633	0.0307209697181349	534	0.708917621875364	0.478686133879429	0.000943777980422563	0.666146275607604
LGG	SUZ12	cg07482957	0.01260265490837	534	0.290704899976962	0.771390314376264	0.000158826910739463	0.873310603457572
LGG	SUZ12	cg08177746	0.00539595434271461	534	0.124460174355208	0.900997943282	2.91163232686607e-05	0.947819961862313
LGG	SUZ12	cg17335595	-0.0567942342220184	534	-1.31208395073384	0.190057662079292	0.00322558504086548	0.370142590156375
LGG	SUZ12	cg25098644	0.00277352469473295	534	0.0639719403503509	0.949016598647256	7.69243923229348e-06	0.972967451800428
LGG	TAF3	cg00194465	-0.1633363575891	534	-3.8186564087875	0.000149986019477168	0.0266787657104742	0.00136181283837615
LGG	TAF3	cg02334915	0.286582777931215	534	6.89946225139221	1.48834554122029e-11	0.0821296886067718	6.81886649197238e-10
LGG	TAF3	cg03672997	-0.145106928992051	534	-3.37634771156322	0.000788444635218607	0.0210560208415041	0.00550211498278731
LGG	TAF3	cg04179819	-0.246969305517557	534	-5.87847364548809	7.31500301258744e-09	0.0609938378678246	2.05958503207104e-07
LGG	TAF3	cg04234156	0.0401272998570309	534	0.926287249111918	0.354716725532559	0.00161020019381607	0.553640727108735
LGG	TAF3	cg05976695	-0.222326959171331	534	-5.25963645778748	2.09512567015164e-07	0.0494292767743708	4.22030570646755e-06
LGG	TAF3	cg07855525	-0.117079597393432	534	-2.71915647675533	0.00675865826004735	0.013707632125808	0.0315009921923266
LGG	TAF3	cg09871669	0.0956343739679453	534	2.21597566784089	0.0271156016124315	0.00914593348424081	0.0915511962083892
LGG	TAF3	cg09994553	-0.114551145255321	520	-2.62441537802601	0.00893599724917719	0.0131219648793058	0.0391312676612716
LGG	TAF3	cg11104088	0.297978051327792	534	7.19997638905832	2.06544702172058e-12	0.0887909190731084	1.11893722568058e-10
LGG	TAF3	cg12176426	-0.0695859728982049	534	-1.60890923957064	0.108229408796012	0.00484220762418971	0.252098886995537
LGG	TAF3	cg12590721	-0.185351021098554	534	-4.34643806633735	1.65869175803518e-05	0.0343550010222766	0.000203463050496041
LGG	TAF3	cg12777293	-0.103208302729483	534	-2.39104277954192	0.017147825795377	0.0106519537523006	0.0647037861922471
LGG	TAF3	cg27268107	0.0327757256153895	534	0.756382594974824	0.449754648923649	0.0010742481896153	0.640903670104894
LGG	TCEA1	cg01677098	-0.0824550931540721	534	-1.90833534578292	0.0568858273002935	0.0067988423870467	0.158382879961313
LGG	TCEA1	cg06047473	0.0298348941136471	534	0.688452038732757	0.491468256289833	0.000890120906772536	0.677102708352128
LGG	TCEA1	cg11530293	0.0651518129055911	534	1.50451826627368	0.133042521120176	0.00424475872488515	0.290752307442283
LGG	TCEA1	cg11787876	0.0290334656483258	534	0.669942940951782	0.503184841726456	0.000842942127552514	0.686617697940185
LGG	TCEA1	cg12850379	0.184547559277174	534	4.33100367654146	1.77447606402577e-05	0.0340578016351619	0.000215895512863342
LGG	TCEA1	cg23569945	0.0650436262020841	534	1.50342299767373	0.133323375460667	0.00423067330951644	0.291251542236588
LGG	TCEA1	cg26181865	-0.101476550877049	534	-2.35271422212641	0.0190001940549813	0.0102974903779023	0.0699295593657197
LGG	TCEA1	cg26358945	0.0375961768091608	534	0.867774028981137	0.385909307605302	0.00141347251066568	0.583983559595517
LGG	TDRD1	cg00337703	-0.231025461707156	534	-5.47679096272804	6.68871259342683e-08	0.0533727639570044	1.51438215219164e-06
LGG	TDRD1	cg02635786	-0.372075361364223	520	-9.19350336330502	8.82504677395807e-19	0.138440074534317	1.03863190428637e-16
LGG	TDRD1	cg16550453	-0.801590752093845	534	-30.9242721690598	6.17132974391819e-121	0.642547733842376	2.82407309469631e-117
LGG	TDRD1	cg23504215	-0.572087602547076	534	-16.088018117417	9.61325454258503e-48	0.327284224988061	5.08743893799905e-45
LGG	TDRD1	cg23825092	-0.138925596458443	534	-3.2357135657224	0.0012888503633069	0.0193003213513341	0.00828703406588122
LGG	TDRD1	cg24203376	-0.510154638955647	534	-13.6809874969354	1.00969083861973e-36	0.260257755647967	3.6876943239241e-34
LGG	TDRD1	cg26600802	-0.451911536423972	534	-11.6845996259354	3.09720965395906e-28	0.204224036753075	7.82286778636659e-26
LGG	TDRD1	cg27547703	-0.485935243970304	532	-12.7999265287822	7.08126725512926e-33	0.236133061332478	2.16881931041545e-30
LGG	TDRD3	cg01557749	-0.153032833144686	534	-3.57179323271231	0.00038671376400217	0.0234190480202894	0.00302052823043782
LGG	TDRD3	cg03447530	-0.146325445649422	534	-3.41173693376792	0.000694600180197347	0.021411136044502	0.00495513309658619
LGG	TDRD3	cg05666423	-0.223604679362081	534	-5.29144985352942	1.77671082688805e-07	0.0499990526326191	3.65171577455558e-06
LGG	TDRD3	cg10765900	0.0213083692129474	534	0.491591818945063	0.6232106845154	0.000454046598515283	0.776730300263414
LGG	TDRD3	cg18522102	0.142379570815229	534	3.3178039722327	0.000969321165183185	0.0202719421855289	0.00654237122369085
LGG	TDRD3	cg19937698	-0.0594460970709142	534	-1.37356078985721	0.170156606205991	0.00353383845696455	0.343884940721401
LGG	TDRD3	cg20944895	-0.122006961302379	534	-2.83528757637152	0.00475264068187514	0.0148856986062402	0.023821076554719
LGG	TDRD3	cg22045829	0.0523207849570717	534	1.20844062022715	0.227414682899479	0.00273746453852414	0.417065415061224
LGG	TDRD3	cg23103367	-0.0821065531020458	534	-1.90021389046254	0.057945414329919	0.00674148606229907	0.160482949281986
LGG	TDRD3	cg23767211	0.0966674849945212	534	2.2401388131677	0.0254940099872624	0.00934460265516597	0.0874616781155888
LGG	TDRD3	cg26737458	-0.0570317591730175	534	-1.31758921991893	0.18820832551189	0.00325262155436906	0.367691573954595
LGG	TDRD5	cg05378938	0.015290233027005	534	0.352712371881119	0.724443779645872	0.000233791226020115	0.843921728053969
LGG	TDRD5	cg07171496	-0.0548055670286444	534	-1.26600000502451	0.206067175079539	0.00300365017733124	0.390490093735845
LGG	TDRD5	cg07901138	-0.0296202715266022	534	-0.683495172526399	0.494591568201885	0.000877360485309639	0.679694503370873
LGG	TDRD5	cg09656934	-0.0804811005818981	534	-1.86234786555349	0.0631051218081283	0.00647720755087359	0.170820134519
LGG	TDRD5	cg11853788	-0.0757431578686336	534	-1.7520584499261	0.0803398887625986	0.00573702596391276	0.203621597263231

LGG	TDRD5	cg12277666	-0.0205759933726875	534	-0.474688358435897	0.635203911249898	0.00042337150327288	0.785128595108453
LGG	TDRD5	cg13848905	-0.0370775784187968	534	-0.855787435787005	0.392500632774231	0.00137474682140202	0.589428216360081
LGG	TDRD5	cg15545772	0.0414499348927046	535	0.955970551608503	0.339522123419555	0.00171809710260945	0.538794501842047
LGG	TDRD7	cg24339935	-0.00698110237376553	534	-0.161023924072423	0.872135686018144	4.87357903529947e-05	0.932219339902384
LGG	TDRD9	cg07613153	0.130331872166999	534	3.03198247041761	0.00254794032812082	0.0169863969025551	0.0144680740253566
LGG	TDRD9	cg08933517	0.00209241748627269	534	0.0482619769199202	0.961525569632171	4.3782109368597e-06	0.979823418084945
LGG	TDRD9	cg16701547	0.0090891305675798	534	0.209650594440682	0.834020647759197	8.26122944745134e-05	0.910979785344121
LGG	TRIM24	cg00733782	0.0904019520888189	534	2.09370531077114	0.036759015447607	0.00817251294146911	0.115024771639562
LGG	TRIM24	cg02308366	0.00273735140768115	534	0.0631375894537356	0.94968065655389	7.493092729134e-06	0.973340408099197
LGG	TRIM24	cg06386929	-0.029390076624151	534	-0.678178757409194	0.497953222753222	0.000863776603973469	0.682243272470309
LGG	TRIM24	cg06650216	-0.0857337268984981	534	-1.98476688526122	0.0476836187298198	0.00735027192790625	0.139397220527887
LGG	TRIM24	cg10571650	0.176787639226714	534	4.14288351182614	3.98902173918539e-05	0.0312538693833549	0.000436950094590521
LGG	TRIM24	cg10703331	0.0216817845137762	534	0.500210662420861	0.617133596630077	0.000470099779701825	0.772563441834718
LGG	TRIM24	cg13935558	0.194425157614496	535	4.56738163872138	6.14521277503548e-06	0.0378011419134215	8.52918256237484e-05
LGG	TRIM24	cg26889928	0.0312332512835623	534	0.720750488515115	0.471379624929635	0.000975515985742147	0.659636396276011
LGG	TRIM33	cg00760200	-0.172933505557968	534	-4.04974848401368	5.89026526638397e-05	0.0299059973445676	0.00061197866375126
LGG	TRIM33	cg02852257	-0.088483490555693	534	-2.04891937908241	0.0409600269912852	0.0078293281009194	0.1245142565652
LGG	TRIM33	cg05792124	-0.0401440126641911	534	-0.926673665425423	0.35451618611898	0.00161154175278273	0.553477536834774
LGG	TRIM33	cg16036305	-0.099483116177067	534	-2.30603016735932	0.0214925248219339	0.00989689040429981	0.0769654371301208
LGG	TRIM33	cg17645130	-0.0341834084039566	535	-0.788163847788217	0.430952576139365	0.00116850541011169	0.624966290021722
LGG	TRIM33	cg18199720	0.0868946025045729	534	2.0118446665458	0.044739978467774	0.00755067194442773	0.132990786936762
LGG	TRIM33	cg20932765	-0.285202569945654	535	-6.85683045888356	1.96250823169441e-11	0.0813405059036057	8.79627361612521e-10
LGG	TRIM33	cg20992663	0.0782208029169013	534	1.8097174790387	0.0709038127576297	0.00611849400896471	0.186083638407228
LGG	TRIM33	cg21666217	0.0723704987623669	534	1.67362315927202	0.0947924963339225	0.00523748909111375	0.229241857810373
LGG	TRIM33	cg21813112	-0.259706866354011	535	-6.17964866181423	1.28525623929375e-09	0.06744765643142	4.16952559965046e-08
LGG	TRIM66	cg06492264	-0.0579449965059566	534	-1.33875801035166	0.181221248270837	0.00335762262007532	0.358500547284598
LGG	TRIM66	cg11245569	-0.211338681029124	526	-4.95899649786949	9.57693310720579e-07	0.0446640380991296	1.64829188969462e-05
LGG	TRIM66	cg12608775	-0.220783867417564	534	-5.22125367800468	2.55331594891977e-07	0.0487455161118567	5.04656150737461e-06
LGG	TRIM66	cg13143389	-0.213153763894551	534	-5.03206174241356	6.64875294334003e-07	0.0454345270624138	1.19150676451093e-05
LGG	TRIM66	cg27044202	-0.0384624590845236	534	-0.887798363954227	0.375050418692443	0.00147936075882865	0.573779199051326
LGG	UBE2A	cg00142683	-0.0681095795818803	534	-1.57461247169146	0.115940387707886	0.00463891483082049	0.264391936487873
LGG	UBE2A	cg00428314	-0.0585524744052306	534	-1.35284117846934	0.176681024954808	0.00342839225897518	0.352718221498006
LGG	UBE2A	cg00935924	-0.072363333827951	534	-1.67345659241876	0.0948252762335553	0.00523645208269547	0.229272339994194
LGG	UBE2A	cg05206294	-0.0641754965571645	534	-1.4832734402295	0.138593934352594	0.00411849435835864	0.299177993479818
LGG	UBE2A	cg06206449	-0.0288424295208022	534	-0.665531128185036	0.505999278205471	0.00083188574066244	0.689065397729358
LGG	UBE2A	cg06273903	-0.053641661439074	534	-1.23903553832076	0.215878699367305	0.00287742784194423	0.403088973872215
LGG	UBE2A	cg09080960	-0.0911770875799256	534	-2.11180726190716	0.0351685751546252	0.00831326129955743	0.111247270994954
LGG	UBE2A	cg14625604	-0.0583002509452284	534	-1.34699369651247	0.178555745620975	0.00339891926027661	0.355148437176266
LGG	UBE2A	cg15661671	-0.0633055978869782	534	-1.46308621487418	0.144034325655134	0.00400759872382778	0.307230575800376
LGG	UBE2A	cg16211147	-0.0629513150002479	534	-1.45486554304345	0.146296249046975	0.00396286806026044	0.310429610996682
LGG	UBE2A	cg17976175	-0.0239482434193063	535	-0.552008160438169	0.58117500674719	0.000573518362870348	0.746748811691668
LGG	UBE2A	cg18990292	-0.0958509472531755	534	-2.22104043849446	0.0267684966463506	0.00918740408933102	0.0906684992350889
LGG	UBE2A	cg25165659	-0.0475692660377496	534	-1.0984345683109	0.272511643750525	0.0022628350713702	0.46890736356038
LGG	UHRF2	cg06523306	0.0623619909633228	534	1.44119226987321	0.150118694208158	0.00388901791690956	0.315767188439039
LGG	UHRF2	cg08487038	0.0095995307991874	534	0.221424582124645	0.824846816531278	9.21509915645475e-05	0.905921158386471
LGG	UHRF2	cg13428749	0.0623258006465023	534	1.44035264531418	0.150355882300769	0.00388450542622755	0.316129338046109
LGG	UHRF2	cg14078101	0.122894070191382	534	2.8562178335674	0.00445478237423138	0.0151029524882044	0.0226208599250795
LGG	UHRF2	cg20595300	0.0792275823165921	534	1.83315653227862	0.0673378958857233	0.00627700979973237	0.179185253995226
LGG	UHRF2	cg24119045	0.103945886763244	534	2.41058313052827	0.0162651541167302	0.0108047473749972	0.0620808261876612
LGG	USP27X	cg00478198	0.0686555954239635	534	1.58729525226163	0.11303992773551	0.00471359078301896	0.260053248239176
LGG	USP27X	cg01125381	0.16097596239305	534	3.76199341241733	0.000187286090500145	0.0259132604683688	0.00164203021800612
LGG	USP27X	cg01290688	0.0902402046954425	534	2.08992846458292	0.0370984866689441	0.00814329454347537	0.115821481335735
LGG	USP27X	cg01855997	0.0745842266276314	534	1.7250994132291	0.0850903151958568	0.00556280686164188	0.212170774074377
LGG	USP27X	cg06455206	0.0404509117822962	534	0.933769609571059	0.350846359003967	0.00163627626401911	0.549809634310649
LGG	USP27X	cg06624970	0.059784389695045	534	1.38140533351392	0.167734258537187	0.003574173251209	0.340656916745377
LGG	USP27X	cg16810342	0.0544021867330517	534	1.25665422113581	0.209430355937945	0.00295959792133783	0.394891296471873
LGG	USP27X	cg16867483	0.106713017927634	534	2.4754844731418	0.0136158549497032	0.0113876681952236	0.0542083838258551

LGG	USP27X	cg19318186	0.0813356735650188	534	1.88225384180245	0.0603471095354301	0.00661549179427529	0.165345086436771
LGG	USP51	cg00834229	-0.0359103452972619	534	-0.828811180198831	0.407582949356889	0.00128955289936858	0.603775924547453
LGG	USP51	cg01084827	-0.0474142756137248	532	-1.09278764407074	0.274983507252304	0.00224811353197426	0.471471292689171
LGG	USP51	cg02714202	-0.0316516048233771	534	-0.730414192642018	0.46545856987307	0.00100182408789523	0.654727752991049
LGG	USP51	cg03728850	-0.0289021038057794	534	-0.666909245894537	0.505119241668716	0.000835331604400049	0.68831554741502
LGG	USP51	cg07386410	-0.0332550342883572	534	-0.767456010194302	0.44315090838538	0.00110589730551981	0.635392332177087
LGG	USP51	cg12064531	-0.0876670586731275	534	-2.02986701328416	0.0428671734057273	0.00768551317639758	0.128806642736657
LGG	USP51	cg12517811	-0.0652936473200414	534	-1.50922669887699	0.13183451118105	0.00426326038035394	0.288866999854062
LGG	USP51	cg18770944	-0.114045343388739	534	-2.64774521551595	0.00834345640410888	0.0130063403486553	0.0371092464935038
LGG	USP51	cg21331369	-0.0634653876425503	534	-1.46679410906735	0.143022937097376	0.00402785542861918	0.305776473611353
LGG	USP51	cg25424556	-0.031383889301559	534	-0.724230088208561	0.469242850883376	0.000984948507692507	0.658126063093756
LGG	WDR82	cg01736403	0.0596538712014871	534	1.3783787315641	0.168665759469565	0.00355858434932361	0.341857748219878
LGG	WDR82	cg03869063	-0.00335931557794242	533	-0.0774106144924528	0.93832605624714	1.12850011522066e-05	0.96700609701313
LGG	WDR82	cg10989431	0.179816646557569	534	4.21621719646969	2.91944176620475e-05	0.0323340263792098	0.00033291564462054
LGG	WDR82	cg11442381	-0.215882870294895	534	-5.09961816031571	4.74031850469822e-07	0.0466054136867627	8.78884930602853e-06
LGG	WDR82	cg11665333	-0.0436653821079045	534	-1.00810902670156	0.313860413300548	0.00190666559462931	0.512918450356129
LGG	WDR82	cg12661343	-0.0465454281478638	534	-1.07474095918025	0.282977912528692	0.00216647688146795	0.480287634498899
LGG	WDR82	cg13539115	-0.0440581975248502	534	-1.01719557284844	0.309522766318723	0.00194112476913872	0.508167611071221
LGG	WDR82	cg15991175	-0.0265919844997356	534	-0.613564425906509	0.539765440146341	0.00070713363963418	0.715049674239613
LGG	WDR82	cg17632831	-0.0333271772596312	534	-0.769122766985607	0.442161755889193	0.00111070074409488	0.634520594063134
LGG	WDR82	cg24007312	0.0178376151474068	534	0.411492296077604	0.680877310857827	0.000318180514146995	0.815896750921031
LGG	WDR82	cg26236504	0.137383624809427	534	3.19910468826019	0.001460680474353	0.0188742603657774	0.0091994590855492
LGG	WDR82	cg26858096	-0.0445146351827026	534	-1.02775441297796	0.304532415704697	0.00198155274544911	0.503064038123101
LGG	ZMYND1	cg00614684	0.14674522251944	534	3.42173957859761	0.000670077343989586	0.0215341603322799	0.00480176832151123
LGG	ZMYND1	cg02813021	-0.145332473477946	534	-3.38808340187196	0.000755956455305321	0.0211215278472179	0.00531437524706508
LGG	ZMYND1	cg02867818	-0.372059422747793	534	-9.24532941291399	5.63346664200989e-19	0.138428214055421	6.75269497609426e-17
LGG	ZMYND1	cg03254875	-0.319601367972108	534	-7.77967315064322	3.80312554187987e-14	0.102145034409643	2.66540854418921e-12
LGG	ZMYND1	cg05236965	0.0389393981957114	534	0.898823785483878	0.36915315451494	0.00151627673184417	0.567852282004369
LGG	ZMYND1	cg08828193	0.366375937663556	534	9.08200686072143	2.08282768922533e-18	0.13423132769885	2.36542331759993e-16
LGG	ZMYND1	cg12639781	-0.0190973382711595	534	-0.440562843803163	0.659708463730217	0.000364708329043095	0.801921313594621
LGG	ZMYND1	cg13939078	0.258710682919388	534	6.17750845850067	1.29514431803748e-09	0.0669312174566163	4.19810237822534e-08
LGG	ZMYND1	cg14255089	0.349935876430218	534	8.61607790449247	7.92118784705534e-17	0.122455117612984	7.73175517407557e-15
LGG	ZMYND1	cg14694828	-0.187485575062539	533	-4.39830567062007	1.31873827085303e-05	0.0351508408565309	0.000166569126550967
LGG	ZMYND1	cg17632565	-0.119973625160227	534	-2.78733941518386	0.00550424609711466	0.0143936707340867	0.0267806166985172
LGG	ZMYND1	cg22593633	-0.00485065339199959	534	-0.111882243973933	0.910958975301661	2.35288383293171e-05	0.952780078345478
LGG	ZMYND1	cg24757747	0.0779167654823862	534	1.80264021507642	0.0720105474017091	0.00607102234323717	0.188188273467097
LIHC	ACTL6A	cg03667091	0.0294724712300399	380	0.56869148313418	0.569908681326172	0.000868626560405527	0.738063525138808
LIHC	ACTL6A	cg03839554	-0.128483665268766	378	-2.49208800627235	0.0131363751729187	0.0165080522408963	0.0527421124175289
LIHC	ACTL6A	cg07261848	-0.160358577022229	378	-3.12499988389527	0.00191843519628581	0.0257148732245941	0.0114979004360446
LIHC	ACTL6A	cg10112003	0.101953929263706	380	1.97671660506564	0.048811809440616	0.0103946036923087	0.141736624374726
LIHC	ACTL6A	cg20132173	0.0710023592579229	380	1.3729089313164	0.170607686845001	0.00504133502019115	0.344452302564251
LIHC	ACTL6A	cg22619386	0.181093060969998	380	3.55151738510275	0.000432208752488439	0.0327946967314835	0.00331433991137434
LIHC	ACTL6A	cg25198545	0.15027516395314	380	2.93169409928694	0.00357958042575854	0.0225826249011432	0.0189793264501593
LIHC	ACTL6A	cg25575835	-0.00542639254827751	380	-0.104662010191595	0.916700414619968	2.94457360880017e-05	0.956038663881944
LIHC	ACTL6B	cg05729836	-0.133220602889134	380	-2.59257508972348	0.00990162305166394	0.0177477290341445	0.0422955668614729
LIHC	ACTL6B	cg08572611	-0.0987752450949379	380	-1.91447013761909	0.0563269456111325	0.00975654904356506	0.157305370723451
LIHC	ACTL6B	cg09375063	-0.041592317763743	380	-0.802898349631053	0.42254616293073	0.00172992089696017	0.61761937882181
LIHC	ACTL6B	cg14088161	-0.0646180453271976	380	-1.24891787466381	0.212480454112618	0.00417549178190776	0.39872887995072
LIHC	ACTL6B	cg16024950	-0.0729014540128562	380	-1.40982365570978	0.159427256142929	0.00531462199718859	0.328981460021462
LIHC	ACTL6B	cg20497359	0.0532531759186211	380	1.02856955701368	0.304350298514599	0.00283590074541961	0.5029526171809
LIHC	ACTL6B	cg24471254	-0.103139530551985	380	-1.99994915819103	0.0462323824545225	0.0106377627624839	0.136250594956714
LIHC	ACTL6B	cg26990587	-0.0866612051766468	380	-1.67777284297381	0.0942313578410651	0.00751016448266887	0.228232363653723
LIHC	AEBP2	cg02664216	-0.0847764144760442	380	-1.64101592565641	0.101639277778237	0.00718704045141404	0.241052483941489
LIHC	AEBP2	cg07849438	-0.0578706646347102	380	-1.11804269842577	0.264270252977003	0.00334901382526309	0.459821965110556
LIHC	AEBP2	cg08161947	-0.124267100288922	380	-2.41550004837418	0.0161948798757106	0.0154423122142169	0.0618949298964505
LIHC	AEBP2	cg24304000	-0.115077669990737	380	-2.23438184232692	0.0260513971339598	0.0132428701304969	0.088872232443399
LIHC	AEBP2	cg26259627	-0.117071063329858	379	-2.2705613534924	0.0237462738281195	0.0137056338691836	0.082954717961451

LIHC	AFF4	cg00931577	-0.015129236168537	380	-0.291835541362499	0.770575044896233	0.000228893787043367	0.872878760184189
LIHC	AFF4	cg01907658	-0.0452157268203137	380	-0.872982202749153	0.383235924690749	0.00204446195188923	0.581487693343062
LIHC	AFF4	cg05619425	0.0812074643421515	380	1.57146304781731	0.116925255188946	0.00659465226488181	0.266005217715523
LIHC	AFF4	cg06638012	0.127876701725957	380	2.48681305716871	0.0133270425026127	0.0163524508443093	0.053336965966059
LIHC	AFF4	cg13393914	0.132145136548827	380	2.57127217753778	0.0105203771164584	0.0174623371135081	0.0443301996159469
LIHC	AFF4	cg13565585	-0.0760376101826008	380	-1.47081840704647	0.142185573619153	0.00578171816228116	0.304515509776714
LIHC	AICDA	cg07999668	0.137557636618842	380	2.67857881637759	0.00772156177136356	0.0189221033921613	0.034978359814413
LIHC	AIRE	cg08089567	-0.0801933630399137	380	-1.5517111288698	0.121581668682704	0.00643097547565139	0.273125161233101
LIHC	AIRE	cg09510531	-0.0937479752429262	380	-1.81614383424621	0.0701531172867661	0.00878868286214831	0.184674188082251
LIHC	AIRE	cg11923631	-0.06402260570347	380	-1.23736181184805	0.21673326132235	0.00409889404106198	0.40402931468958
LIHC	AIRE	cg12843033	0.175417444199439	380	3.43661682285084	0.000655573753304034	0.0307712797294634	0.00471695380730059
LIHC	AIRE	cg15955655	0.00329089763071253	380	0.0634728785883388	0.949424047225918	1.08300072158294e-05	0.97315657784027
LIHC	AIRE	cg16501323	-0.0734049110342803	380	-1.41961245367265	0.156557964436513	0.00538828096395061	0.325057923704871
LIHC	AIRE	cg16717549	-0.0701056596268878	380	-1.35548406740179	0.176085765026828	0.00491480351172105	0.351918201785409
LIHC	AIRE	cg17356252	-0.00708149826301726	380	-0.136586417010878	0.89143160132379	5.01476176491165e-05	0.942509562080416
LIHC	AIRE	cg18689454	-0.0692771700036826	380	-1.33938761116945	0.181262252115702	0.00479932628371913	0.358551557187982
LIHC	AIRE	cg18876487	0.166231352757792	380	3.25139154952665	0.00125324365777592	0.0276328626396856	0.0081016151830663
LIHC	AIRE	cg23272544	-0.110758149090835	380	-2.14945055086462	0.0322431582503817	0.0122673675900276	0.104169925594633
LIHC	AIRE	cg27251412	-0.104239273042716	380	-2.02150695822926	0.0439429125035982	0.0108658260444738	0.131248579876001
LIHC	ARID1A	cg04081153	0.0249486014528472	380	0.481341023290321	0.630557155768392	0.000622432714453008	0.781985672109508
LIHC	ARID1A	cg04360147	-0.0391311820629233	380	-0.755313415515039	0.450538903575902	0.00153124940964165	0.641311519729548
LIHC	ARID1A	cg14851949	-0.0736881931108506	380	-1.42512083308802	0.154960729755601	0.00542994980394201	0.322697620542528
LIHC	ARID1A	cg17385674	-0.0262899593106267	380	-0.507237694223612	0.612288610304497	0.000691161960554408	0.769008397643333
LIHC	ARID1A	cg20413923	-0.0165169521489407	380	-0.318610899358576	0.750200394861197	0.000272809708290398	0.86005692563356
LIHC	ARID1A	cg21294655	0.13357002312942	380	2.59949843301464	0.00970765735271179	0.0178409510787938	0.0416270254711091
LIHC	ARID1A	cg24542126	0.0237279999001928	380	0.457777795347931	0.647379224238461	0.000563017979263549	0.793318201257137
LIHC	ARID1A	cg25601319	-0.150766635336513	380	-2.94150477463585	0.00347064620493959	0.022730578330693	0.0185220176213947
LIHC	ARID2	cg00035453	-0.183140751334462	372	-3.58338962297748	0.000384532516933724	0.0335405347993514	0.00300616245827979
LIHC	ARID2	cg01183821	-0.101428485588962	380	-1.96642295610964	0.0499928774877616	0.0102877376888704	0.144270432252072
LIHC	ARID2	cg01353809	-0.115747502678064	380	-2.24756360197253	0.0251893858781237	0.0133974843762084	0.0867048154186289
LIHC	ARID2	cg01751433	-0.00239439926319222	380	-0.0461816329364634	0.963190262822296	5.73314783157544e-06	0.98063634741523
LIHC	ARID2	cg06613666	0.0355685852171725	380	0.686456391533803	0.492853001499295	0.00126512425435126	0.678289749825499
LIHC	ARID2	cg07276957	0.0300158603762458	380	0.579185917630633	0.562814278694023	0.000900951874126281	0.73289016813691
LIHC	ARID2	cg23465749	-0.0125800169713479	372	-0.240359906823533	0.810186196932729	0.000158256826999401	0.897471450193437
LIHC	ARID4A	cg02136725	0.00204508816052242	380	0.0394443144767918	0.968557309372913	4.18238558430898e-06	0.983464231976426
LIHC	ARID4A	cg06154646	0.0887557978129666	380	1.71864260091813	0.0865114525960435	0.0078775916454162	0.214791815123244
LIHC	ARID4A	cg08066755	-0.209751068018511	380	-4.13757314988433	4.34390363190169e-05	0.043995510534906	0.000469738169502586
LIHC	ARID4A	cg08790491	-0.178948623803185	380	-3.50806172421173	0.000506631252046035	0.0320226099610537	0.00379079269228328
LIHC	ARID4A	cg10064886	0.0443860434654175	380	0.856931549212743	0.392034408454013	0.00197012085451393	0.589104206514805
LIHC	ARID4A	cg10242170	-0.0102759296102987	380	-0.198205417812529	0.842992618282301	0.000105594729355814	0.916123264230182
LIHC	ARID4A	cg10844118	-0.17797805902409	380	-3.48841086602513	0.000544083346613132	0.0316761894939823	0.00402840200498925
LIHC	ARID4A	cg12203852	0.0671225958457451	380	1.29754004106642	0.195249479152222	0.00450544287307123	0.376913520960022
LIHC	ARID4A	cg14272338	-0.0149136036308146	380	-0.287675163504167	0.773755596572793	0.000222415573257045	0.874551477510264
LIHC	ARID4A	cg14460816	-0.0880158150557102	380	-1.70420143760845	0.0891784871788382	0.00774678369992099	0.219410836256382
LIHC	ARID4A	cg17323045	0.0779545029022748	380	1.50812134003502	0.13237225453272	0.00607690452274078	0.28973046142377
LIHC	ARID4A	cg19548283	-0.217820084844157	380	-4.30451768719443	2.14275784530592e-05	0.0474455893615155	0.000254300082101799
LIHC	ARID4A	cg20996579	-0.0897871983563113	380	-1.73877573026933	0.0829015231286859	0.00806174098867558	0.208195636430042
LIHC	ARID4A	cg26429530	-0.140561073973171	380	-2.73822892606449	0.00647405406845409	0.0197574155164913	0.0304481326522772
LIHC	ARID4A	cg27026909	-0.239744413269456	380	-4.76292864814692	2.73897216627745e-06	0.0574773836939155	4.17631518430789e-05
LIHC	ARID4B	cg05652840	0.156482984414818	380	3.05577970898831	0.0024067617270914	0.0244869244113681	0.0138066235378916
LIHC	ARID4B	cg06212607	-0.119156614278363	380	-2.31470069976765	0.0211731320347984	0.0141982987262826	0.0760734635837384
LIHC	ARID4B	cg06891548	-0.220657641843751	380	-4.36344357868264	1.66064187550797e-05	0.0486897949040453	0.00020365682741295
LIHC	ARID4B	cg07814876	-0.20951951690035	380	-4.13279570843456	4.43114860805799e-05	0.0438984279621559	0.000477910404568506
LIHC	ARID4B	cg10107779	0.1925393752035	380	3.78437345616084	0.000179547711308933	0.0370714110037543	0.00158508110004166
LIHC	ARID4B	cg11732257	-0.151781319037661	380	-2.96176680250942	0.00325519332755431	0.0230375688088123	0.0175857298419278
LIHC	ARID4B	cg22596515	0.154901776059053	380	3.02413899397571	0.00266647597603108	0.023994560226249	0.014990113421447
LIHC	ARID4B	cg23687319	-0.14101725400118	380	-2.74729564286918	0.00630126563596078	0.0198858659260333	0.0298175583262733

LIHC	ARID4B	cg26020585	0.134753388522498	380	2.62295274862039	0.00907557929419806	0.0181584757182952	0.0395909614542053
LIHC	ASH1L	cg03119126	-0.0647537710016479	380	-1.25155217328177	0.211519519789072	0.00419305085893385	0.397577788790738
LIHC	ASH1L	cg08095278	0.173058363011175	380	3.38896295470358	0.000776663964220702	0.0299491970081077	0.00543099293776047
LIHC	ASH1L	cg09410084	0.137880801742112	380	2.6849934264152	0.00757773104505587	0.0190111154890476	0.0344758178208712
LIHC	ASH1L	cg10558228	-0.268163910327034	375	-5.31804681272922	1.83232863539851e-07	0.0719118828018856	3.75511522292392e-06
LIHC	ASH1L	cg17038116	-0.00376292112652689	380	-0.0725771082031121	0.942181649336485	1.41595754044624e-05	0.96920435343448
LIHC	ASH1L	cg20064047	-0.100106345551389	380	-1.94052904657286	0.0530706469409522	0.0100212804196542	0.150672526846627
LIHC	ASH1L	cg21852905	0.0186988432069216	380	0.360713293670588	0.718518527146697	0.000349646737277037	0.840178270841697
LIHC	ASH1L	cg23821590	-0.164046537448648	380	-3.20746787931232	0.00145514809671036	0.0269112664488907	0.00917059227442364
LIHC	ASH1L	cg24312492	-0.0629818382962326	380	-1.21716617818741	0.224312580637219	0.00396671195517279	0.413498172149658
LIHC	ASH1L	cg26185843	-0.174343204834051	380	-3.41490947595171	0.000708364947907198	0.030395553071808	0.00503670073644937
LIHC	ASH2L	cg00590869	0.190322441340593	380	3.73915189626759	0.000213708350812285	0.0362226316778435	0.00183388840119444
LIHC	ASH2L	cg01642070	-0.0855670707100182	380	-1.65643300594815	0.0984773408390575	0.00732172358989325	0.235525755625592
LIHC	ASH2L	cg02897270	-0.0260943339624465	380	-0.503460723131483	0.614938373613416	0.000680914264943687	0.7709075376875
LIHC	ASH2L	cg03189282	-0.272273674912056	380	-5.45761391941782	8.82989980399588e-08	0.074132954050116	1.93933716926046e-06
LIHC	ASH2L	cg03705346	-0.00176499142991251	375	-0.0339961887825886	0.97289847254765	3.11519474766462e-06	0.98572453690055
LIHC	ASH2L	cg10062221	0.048399890903317	380	0.93459860303296	0.350601459577035	0.00234254943945299	0.549604843153506
LIHC	ASH2L	cg21453287	-0.0706921490079456	380	-1.36688048141803	0.172488237989184	0.00499737993136158	0.347082330672527
LIHC	ASH2L	cg24318412	0.101502772062959	380	1.96787815632082	0.0498244652334472	0.010302812736465	0.143921911097845
LIHC	ASH2L	cg27255459	0.0728161398833254	380	1.40816498658141	0.159917377535068	0.00530219022750802	0.329666905208514
LIHC	ASXL1	cg00174466	-0.0412599403584899	380	-0.796471148595115	0.426266234879602	0.00170238267838615	0.620863782296227
LIHC	ASXL1	cg04218270	0.0289816637166897	380	0.559212987841134	0.576352873063029	0.00083993683178729	0.743032255722541
LIHC	ASXL1	cg09065199	0.112705889295532	380	2.18773183858754	0.0293108670069257	0.0127026174818967	0.0970219380451358
LIHC	ASXL1	cg10421984	-0.0613851220980762	380	-1.1861903297499	0.236304195931527	0.00376813321499573	0.427602256711804
LIHC	ASXL1	cg12592359	-0.19375194935435	380	-3.80913324676801	0.000163098107029409	0.0375398178786104	0.00146175738919883
LIHC	ASXL1	cg16926526	0.0613998864321627	380	1.18647671146267	0.236191283983936	0.00376994605388247	0.427477485197551
LIHC	ASXL1	cg18793288	-0.0335174174767459	380	-0.646823965819804	0.518144772713768	0.00112341727431047	0.698979275600369
LIHC	ASXL1	cg24727216	-0.0398665766968826	380	-0.76953045285603	0.442066817948867	0.00158934393752842	0.634481126812925
LIHC	ASXL2	cg05165989	0.0528359532603348	380	1.02048837427795	0.308160093604672	0.00279163795692828	0.506731086916747
LIHC	ASXL2	cg05496738	0.150426457228988	375	2.93076679240417	0.00359060816624797	0.0226281190344647	0.0190148244850303
LIHC	ASXL2	cg06583696	-0.0494762774776569	380	-0.95543400284013	0.339978724379184	0.0024479020330461	0.539242280869486
LIHC	ASXL2	cg09476286	-0.0066437737512411	380	-0.128143295720466	0.89810481911637	4.41397296576803e-05	0.946081413402197
LIHC	ASXL2	cg19084174	-0.088552779554533	375	-1.71237407669651	0.0876633357496581	0.00784159476683371	0.216800659375283
LIHC	ASXL2	cg20667782	0.0942200543909109	380	1.82537095163882	0.0687467374213807	0.0088774186494262	0.181913796080101
LIHC	ASXL2	cg24738909	-0.0532754800776393	380	-1.02900158128597	0.304147512897307	0.00283827677750294	0.50275587434803
LIHC	ASXL3	cg09963640	-0.191884685954985	380	-3.77101272004611	0.000189062670089552	0.0368197327040433	0.0016553672599286
LIHC	ASXL3	cg12361352	-0.101203464801755	375	-1.95143824062191	0.0517632807869287	0.0102421412878801	0.147997819307521
LIHC	ASXL3	cg17880622	-0.115979586062569	380	-2.25213153724241	0.0248965077996185	0.0134512643832448	0.0859271928910171
LIHC	ASXL3	cg20034091	-0.0926570951524918	380	-1.7948265359519	0.0734930378697124	0.00858533728209793	0.191058875844856
LIHC	ASXL3	cg20329085	-0.0986165604668918	380	-1.91136426919008	0.0567259634149497	0.00972522599832012	0.158067898771495
LIHC	ASXL3	cg24880056	-0.169567949967729	380	-3.31856599889594	0.000994128293927353	0.0287532896562582	0.00668371069897023
LIHC	ASXL3	cg27109877	-0.113220620877963	380	-2.19785272723007	0.0285752393818627	0.0128189089919914	0.0951945089273994
LIHC	ATAD2B	cg08192560	-0.0309707827593877	380	-0.597629514158909	0.55045078409549	0.000959189384729188	0.723047553321703
LIHC	ATAD2B	cg14009731	-0.00930184085277819	380	-0.179415171285926	0.857709402059705	8.65242432504133e-05	0.924316020277168
LIHC	ATAD2B	cg15717719	0.0952426288377152	380	1.84536215378726	0.0657794278082231	0.00907115834791877	0.176068153279415
LIHC	ATAD2B	cg16929802	0.113493546923133	380	2.20321985109732	0.02819165293939316	0.0128807851931934	0.0942718985904847
LIHC	ATAD2B	cg17933838	0.0563555241790366	380	1.08867614993343	0.277001508757298	0.00317594510549397	0.473793047189333
LIHC	ATAD2B	cg19614157	-0.0199533702573672	380	-0.384923302263544	0.700514217834474	0.000398136984627585	0.828468098666976
LIHC	ATAD2B	cg20806130	-0.256641740798492	380	-5.12146178201607	4.87638499054965e-07	0.0658649831200802	9.01719738423625e-06
LIHC	ATAD2B	cg27610867	-0.242333454983946	380	-4.81755518484577	2.11953215673689e-06	0.058725503404456	3.3229924345262e-05
LIHC	ATAT1	cg01245721	-0.232927060398009	380	-4.61960020914269	5.30669053934566e-06	0.0542550154656579	7.49643515194946e-05
LIHC	ATAT1	cg05093836	-0.260488440664833	380	-5.20376899080504	3.23500754217081e-07	0.0678542277199963	6.22931130533752e-06
LIHC	ATAT1	cg06814856	-0.27065044765612	380	-5.42249690027688	1.05984580852336e-07	0.0732516648164581	2.29217806027984e-06
LIHC	ATAT1	cg07142893	-0.29278219281861	380	-5.90577442450634	7.92194728008677e-09	0.0857214124316737	2.21285445855321e-07
LIHC	ATAT1	cg07816366	-0.249902504488892	380	-4.97788835205502	9.85143943026863e-07	0.0624512617498207	1.68918421652704e-05
LIHC	ATAT1	cg08081524	-0.2729701948228	375	-5.45796650827618	8.84109397012e-08	0.0745127272615973	1.94124771185864e-06
LIHC	ATAT1	cg08188471	-0.313901231059869	375	-6.35944478749428	5.97432496695411e-10	0.0985339828609015	2.05467124880295e-08

LIHC	ATAT1	cg08635134	-0.341898868741667	380	-7.01718492500047	1.07750522326963e-11	0.116894836446832	5.08328934742498e-10
LIHC	ATAT1	cg09532691	-0.422210169044689	380	-8.9832466127503	1.33694409007955e-17	0.178261426844745	1.41891171273736e-15
LIHC	ATAT1	cg12907138	-0.227592661132873	380	-4.50795307156158	8.78223259215202e-06	0.0517984194015429	0.000116607783286205
LIHC	ATAT1	cg13542073	-0.0700401048992038	380	-1.35421032360576	0.176491314457976	0.00490561629429147	0.352475170511739
LIHC	ATAT1	cg13964084	-0.269484856737223	380	-5.39731122857273	1.20741344781962e-07	0.0726220880106815	2.57552842774005e-06
LIHC	ATAT1	cg15381130	-0.27734771876944	380	-5.56771261748956	4.95163508373823e-08	0.0769217571066126	1.15782236160003e-06
LIHC	ATAT1	cg15729859	-0.261455459650759	380	-5.22450174614132	2.91489472012973e-07	0.0683589573811898	5.67186893090977e-06
LIHC	ATAT1	cg18298197	-0.222986694405428	380	-4.41189660041008	1.34379008873303e-05	0.04972306588186	0.000169348462923857
LIHC	ATAT1	cg20629923	-0.182072494789004	380	-3.57138237098068	0.00040171785661068	0.0331503933586919	0.00311515539644849
LIHC	ATAT1	cg22759096	-0.338253691952404	380	-6.93264603772823	1.83376308819864e-11	0.114415560119432	8.26989945990288e-10
LIHC	ATAT1	cg23328390	-0.3008534145581	380	-6.08454508900832	2.90545425518531e-09	0.0905127770512682	8.79140055728845e-08
LIHC	ATAT1	cg26934609	-0.292114239860159	380	-5.89104247186401	8.595668616729e-09	0.0853307291290787	2.3856277002134e-07
LIHC	ATF7IP	cg00236831	0.0910699014706242	380	1.76382220811813	0.0785827073161258	0.00829372695386919	0.200323201263253
LIHC	ATF7IP	cg11409060	-0.184326514122362	380	-3.61714052377833	0.000338987672887085	0.0339762638085012	0.00270779412923071
LIHC	ATF7IP	cg12526346	-0.273912617591309	380	-5.49312198718379	7.33454317017737e-08	0.0750281220757225	1.64243941099821e-06
LIHC	ATF7IP	cg12948116	-0.208924808368246	380	-4.12052880962729	4.66287300175574e-05	0.0436495755517082	0.000498822252885844
LIHC	ATF7IP	cg17439009	0.0756489220436321	380	1.46325650914816	0.144241607080648	0.00572275940636352	0.307461956960542
LIHC	ATF7IP	cg19789919	-0.146139039184433	380	-2.84921673158194	0.00462646434453751	0.0213566187737493	0.0232967290581236
LIHC	ATF7IP	cg21275967	0.0251632116061163	380	0.485484175033982	0.627618736824032	0.000633187218334189	0.779938640598319
LIHC	ATF7IP	cg26637901	-0.206667312532835	354	-3.92905757534997	0.000102979006397508	0.0427113780695446	0.000988647509016086
LIHC	ATM	cg01756564	-0.059584697331435	380	-1.15127354475974	0.250359139866148	0.00355033615607872	0.443992104655741
LIHC	ATM	cg01800843	-0.0852821732503766	380	-1.6508774018449	0.0996075437074771	0.00727304907430726	0.237607912890331
LIHC	ATM	cg01991180	-0.0427338435986749	379	-0.823864564708822	0.410545822899906	0.00182618138871601	0.606413916620945
LIHC	ATM	cg02105423	0.162200224492053	380	3.17038732884669	0.0016486000741854	0.0263089128252724	0.0101625351958145
LIHC	ATM	cg03165700	-0.231317817900267	380	-4.58587346728677	6.18548616857431e-06	0.0535079328781412	8.57284359519098e-05
LIHC	ATM	cg03569616	-0.0887961863393898	379	-1.71711826890981	0.0867921248747778	0.00788476270841963	0.215282548305598
LIHC	ATM	cg04709886	-0.127673285116813	380	-2.4827916190376	0.0134758899721129	0.0163004677325191	0.0537860235231927
LIHC	ATM	cg04826772	0.151379772350538	380	2.9537472502762	0.00333896123606267	0.0229158354769008	0.0179398484721007
LIHC	ATM	cg05033322	-0.194944262932513	380	-3.83349701835505	0.000148309090451775	0.0380032656503008	0.00134879090280634
LIHC	ATM	cg05637308	-0.0483047115181026	380	-0.932756392827781	0.351550755584671	0.00233334515484711	0.550505031903901
LIHC	ATM	cg06053805	-0.0110079341476734	379	-0.212040632963878	0.832191776710781	0.000121174614199514	0.909990713120232
LIHC	ATM	cg06081482	-0.263543193302918	379	-5.25513623718719	2.50419246087231e-07	0.0694550147362991	4.95450529758649e-06
LIHC	ATM	cg06750635	0.0809960790359435	380	1.56734543717241	0.117884177990169	0.00656036481919681	0.267493610853477
LIHC	ATM	cg09808176	0.00463165512288545	380	0.08933308710301	0.92886527470721	2.1452229177351e-05	0.962375877039132
LIHC	ATM	cg10610482	-0.147854978116928	380	-2.88341500814407	0.00416254723696307	0.0218610945539572	0.0214309199041896
LIHC	ATM	cg10976287	-0.232788062039492	379	-4.61047608465982	5.53640522223286e-06	0.0541902818281023	7.78981927759781e-05
LIHC	ATM	cg11588932	-0.193576282469838	380	-3.80554514970759	0.000165390376604726	0.0374717771348424	0.00148025528734331
LIHC	ATM	cg12019961	-0.256265505908611	359	-4.97406899159978	1.02701238841325e-06	0.0656720095185961	1.7486408786216e-05
LIHC	ATM	cg12106634	0.0220836143967221	380	0.426037228435081	0.670327116889083	0.000487686024823113	0.809014051495071
LIHC	ATM	cg12848864	-0.0568451671919724	380	-1.09816560673285	0.272842451999264	0.00323137303308329	0.469146967649161
LIHC	ATM	cg14761454	-0.13423439378284	379	-2.59504723524354	0.00983710763978484	0.0180188724742466	0.0420615561025295
LIHC	ATM	cg15370815	0.107558574481613	380	2.08661966112848	0.0376030057100367	0.0115688469445167	0.117025572116918
LIHC	ATM	cg15504467	-0.237918664944295	380	-4.72447185438066	3.27609760530089e-06	0.0566052911288759	4.89133579639249e-05
LIHC	ATM	cg16693212	-0.164726952844495	379	-3.21247110649853	0.00143135289623421	0.0271349689934324	0.00904554567097025
LIHC	ATM	cg16788234	0.158957531149334	380	3.10534498539297	0.00204629457404484	0.0252674967090913	0.0121166789604593
LIHC	ATM	cg17114932	-0.244709030146024	380	-4.86777391832115	1.67097315100143e-06	0.0598825094350077	2.69468667721818e-05
LIHC	ATM	cg17420659	-0.0535649363935221	380	-1.03460839586354	0.301523932277573	0.00286920241084207	0.499949280282486
LIHC	ATM	cg18042593	-0.0351069253189442	379	-0.676624233998384	0.499066024330898	0.00123249620534992	0.683298584924019
LIHC	ATM	cg18391757	0.0739434080289896	380	1.43008374759144	0.153532328052952	0.00546762759094164	0.32079646348709
LIHC	ATM	cg18457775	-0.127224440175399	380	-2.47391931932329	0.0138095123643955	0.0161860581779437	0.0547943081136275
LIHC	ATM	cg19288979	0.161371519733168	380	3.15375512707118	0.00174286691495517	0.0260407673809921	0.0106290834730341
LIHC	ATM	cg20342375	-0.130560986265658	380	-2.53991002770052	0.0114941946943854	0.0170461711346613	0.0475374472118564
LIHC	ATM	cg22477592	-0.0560026365861051	380	-1.08183755113474	0.280025502348912	0.00313629530459535	0.477184065255924
LIHC	ATM	cg22678707	-0.163581690581577	380	-3.19812885054602	0.00150178577212705	0.0267589694935269	0.00940878656189813
LIHC	ATM	cg22837512	0.0320086651025364	380	0.617677278299617	0.537166019033003	0.00102455464164633	0.713131403278169
LIHC	ATM	cg23275463	-0.188321296186802	374	-3.66843612506101	0.000280258432420662	0.0354649105974773	0.00230872302755058
LIHC	ATM	cg23389069	-0.0806229864297537	380	-1.56007842139835	0.119591648114339	0.00650006594085225	0.270121150728962

LIHC	ATM	cg24030675	0.112210429823773	380	2.17799157213834	0.030034220295002	0.0125911805612359	0.0987853114577656
LIHC	ATM	cg24568245	-0.227088067793284	379	-4.49136548644725	9.46377615480854e-06	0.0515689905340871	0.00012474161338312
LIHC	ATM	cg25400013	0.0991458657573292	380	1.92172471710638	0.0554040666388621	0.00982990269677035	0.155419874516935
LIHC	ATM	cg25740661	0.138542637705346	380	2.69813315528269	0.0072906124868318	0.0191940624623547	0.0334354717797909
LIHC	ATM	cg25918541	0.0140975712403813	380	0.27193113058606	0.785825831521876	0.000198741514877625	0.881837959976528
LIHC	ATM	cg27453365	0.00827642433547602	380	0.159635359223042	0.873254962265284	6.84991997808596e-05	0.932864569359481
LIHC	ATM	cg27599391	-0.123365453790936	379	-2.39447712633797	0.0171396697240192	0.0152190351890435	0.0646761479680999
LIHC	ATR	cg00911981	0.0876616443035392	380	1.69729061169389	0.0904781203631023	0.00768456388200022	0.221613138614249
LIHC	ATR	cg00969988	0.119315922926054	380	2.31784004462838	0.0209998788119662	0.0142362894636961	0.0756116158612469
LIHC	ATR	cg11458642	0.110780104203988	380	2.14988192057856	0.0322087591618516	0.0122722314874465	0.104089739541255
LIHC	ATR	cg11936145	0.126229572696076	380	2.45425931254167	0.0145749932192275	0.0159339050230338	0.0570862462237732
LIHC	ATR	cg15135999	0.0660869391935627	380	1.27743135562684	0.202246664391297	0.00436748353197366	0.385749797966424
LIHC	ATR	cg15291273	-0.00785506113199831	380	-0.151507606758656	0.879657439412667	6.17019853874306e-05	0.936190363294417
LIHC	ATR	cg15480357	0.181410557567424	380	3.55795568632803	0.000422096633559544	0.0329097903969236	0.00324913918793769
LIHC	ATR	cg16031872	0.0809965157656517	380	1.56735394408566	0.117882190504985	0.00656043556617547	0.267493610853477
LIHC	ATR	cg17945282	0.127276834216398	380	2.4749549104507	0.0137701974635556	0.0161993925281485	0.0546634046782592
LIHC	ATR	cg20032934	-0.107376159321036	380	-2.08303952253826	0.037930093317105	0.0115296395905366	0.117742056562422
LIHC	ATR	cg20636078	0.207282444695006	380	4.08667697777665	5.36369031127386e-05	0.042966011878738	0.000563716460517751
LIHC	ATR	cg24631870	0.0554360567087243	380	1.07085866513608	0.284927261618412	0.00307315638341289	0.482144549851929
LIHC	ATR	cg24856922	0.076401924992406	380	1.47790673592465	0.140278888523617	0.00583725414254523	0.301768543920754
LIHC	AURKB	cg02245743	-0.0195056587969099	379	-0.375777014546577	0.7072974473712	0.00038047072510147	0.833184397649836
LIHC	AURKB	cg04612488	-0.114524199574877	380	-2.22349232842804	0.0267827084958168	0.0131157922882662	0.0906988518511045
LIHC	AURKB	cg05617798	-0.128795499277489	380	-2.50498117905781	0.0126726103193413	0.0165882806341376	0.0513277996138302
LIHC	AURKB	cg05811247	-0.168719044114886	379	-3.29702382147402	0.00107149252978922	0.0284661158470409	0.00711183493312242
LIHC	AURKB	cg11009596	-0.160462867797653	380	-3.13552624732095	0.0018518826410614	0.0257483319418469	0.0111669915648966
LIHC	AURKB	cg12844497	0.10246729398992	380	1.98677523721649	0.0476805136955233	0.0104995463376167	0.139395989067845
LIHC	AURKB	cg13678641	-0.0804523336052124	380	-1.55675470337737	0.120379049848183	0.0064725779825244	0.271304447097796
LIHC	AURKB	cg21724796	-0.114966577565657	380	-2.23219593336614	0.0261967908506397	0.0132173139571602	0.0892469081425297
LIHC	BAP1	cg00794529	-0.17567549098604	380	-3.44183310355001	0.000643447404151629	0.0308618781331861	0.00464172360520881
LIHC	BAP1	cg02503646	-0.117381948257946	380	-2.27974123783073	0.023188546444309	0.013778521776831	0.0814534787700071
LIHC	BAP1	cg03075736	-0.107983588262489	380	-2.09496194596358	0.0368501777315131	0.0116604553340428	0.11524513473147
LIHC	BAP1	cg05442719	0.0531557451958683	380	1.02668237384206	0.305237170211941	0.00282553324732808	0.503793138794072
LIHC	BAP1	cg05908979	-0.0697481809188794	380	-1.34853838576454	0.178305701392976	0.00486480874149273	0.354893688148596
LIHC	BAP1	cg09096430	-0.0284883498218175	380	-0.549686497106958	0.582864267302833	0.000811586075570249	0.747980779112133
LIHC	BAP1	cg10449522	-0.15031476645172	380	-2.93248455572557	0.00357068916638615	0.0225945290134352	0.0189483936649398
LIHC	BAP1	cg10956904	-0.0781871623942325	380	-1.51265005483352	0.131217636302398	0.00611323236326208	0.287969555363032
LIHC	BAP1	cg11234564	-0.0383525166623683	380	-0.740261184182047	0.459608472110937	0.00147091553433724	0.649449294863194
LIHC	BAP1	cg12859382	0.0331027054052434	380	0.63881195787079	0.52333838030911	0.00109578910514633	0.702735882977571
LIHC	BAP1	cg16841708	-0.0482647268759089	380	-0.931982492130944	0.351950035929295	0.00232948386040608	0.55080874497231
LIHC	BAP1	cg24291822	-0.106238523550598	380	-2.06071670444691	0.0400248274693009	0.0112866238862111	0.122528389270691
LIHC	BAP1	cg24747396	-0.117880657647102	380	-2.28956315019062	0.0226060752510346	0.0138958494473133	0.0798681601380165
LIHC	BAP1	cg25749966	-0.185923642076166	380	-3.64959903819331	0.000300201794656547	0.0345676006828663	0.0024441547266888
LIHC	BAZ1A	cg05294307	0.165025728576553	379	3.22280707680648	0.00138175475791156	0.0272334910922221	0.00878850704251263
LIHC	BAZ1A	cg07414384	-0.253798570945777	380	-5.06079468982197	6.5765629597812e-07	0.0644137146141185	1.17992882586074e-05
LIHC	BAZ1A	cg23422263	-0.109908218555289	380	-2.13275372656048	0.0335991343763349	0.0120798165059972	0.107400709194749
LIHC	BAZ1A	cg26967526	0.11007138953216	380	2.13595884016679	0.0333351076210101	0.0121157107935406	0.106772462180121
LIHC	BAZ1B	cg00525989	0.145078478408726	380	2.8280931561158	0.00493601715713189	0.0210477648973911	0.024526859908145
LIHC	BAZ1B	cg04742505	-0.0190342479672425	380	-0.367185801998872	0.713689220261769	0.000362302595678475	0.837088610816936
LIHC	BAZ1B	cg05166819	0.0587360646955495	380	1.13481940232309	0.257181676087977	0.00344992529591978	0.451624166563943
LIHC	BAZ1B	cg06059318	0.0110930519085653	380	0.213968202378801	0.830689082688467	0.000123055800646124	0.909191813085338
LIHC	BAZ1B	cg06394887	0.243649070930028	380	4.84535534372862	1.85856857817362e-06	0.0593648697650659	2.95857343913319e-05
LIHC	BAZ1B	cg14093368	0.129992164771201	380	2.52865365026601	0.0118628308384572	0.0168979629019031	0.048716756165553
LIHC	BAZ1B	cg15636799	0.129751341954864	380	2.52388878662831	0.0120220212316619	0.0168354107390881	0.0492102667559015
LIHC	BAZ1B	cg19160975	0.078450419514695	380	1.51777465209831	0.129920567174581	0.00615446832203164	0.286000116625773
LIHC	BAZ1B	cg20612831	-0.0926045000306961	380	-1.79379892026098	0.073657284899524	0.00857559342593519	0.191322030767064
LIHC	BAZ1B	cg21340129	0.0393795851036323	380	0.760115535613708	0.447666990736793	0.00155075172293422	0.63920499747404
LIHC	BAZ1B	cg25710357	0.150350885715393	380	2.93320550021826	0.00356259738867304	0.0226053888354032	0.018918000856267

LIHC	BAZ2A	cg14634319	0.0452590332374182	380	0.873820037200126	0.382780008662532	0.00204838008958573	0.581049530795656
LIHC	BAZ2A	cg18206859	0.0743512794469397	380	1.43801581047288	0.151270262404746	0.00552811275539692	0.317528640056089
LIHC	BAZ2A	cg18955060	-0.114012909489558	380	-2.21343457580876	0.0274739064183309	0.0129989435302742	0.0924504356443017
LIHC	BAZ2A	cg25683012	-0.049724379230243	380	-0.960236929468683	0.33755968450911	0.00247251388983303	0.537022828241513
LIHC	BRD7	cg03021120	-0.111307777512366	380	-2.16025050142183	0.0313913780952836	0.0123894213347423	0.102121517305234
LIHC	BRD7	cg16433860	-0.133149872505371	380	-2.59117377180951	0.00994130191327055	0.0177288885481964	0.0424277836866891
LIHC	BRD7	cg16834187	0.0784009103705237	380	1.51681087631539	0.13016373919407	0.0061467027469269	0.286416188461375
LIHC	BRD8	cg01096096	-0.0050603058013353	380	-0.0976008934099533	0.922301779549581	2.56066948030277e-05	0.959199830761722
LIHC	BRD8	cg03204906	-0.0648453610075635	380	-1.25332988243989	0.21087283545804	0.00420492084420123	0.396688140485148
LIHC	BRD8	cg03684156	-0.0298428730314588	380	-0.575844970479864	0.565068163312431	0.000890597070771769	0.73467653126482
LIHC	BRD8	cg07430605	0.12532031755014	380	2.43629771153209	0.015306934503844	0.0157051819908679	0.0593246327076165
LIHC	BRD8	cg07632946	-0.0540624781966746	380	-1.04424647118941	0.297049468277502	0.00292275154876591	0.49510790451172
LIHC	BRD8	cg08976717	0.12800601721379	380	2.48926265046864	0.0132370912607821	0.0163841540410352	0.0530643243090426
LIHC	BRD8	cg11110536	0.0747995925590032	380	1.44673519889862	0.148813178962055	0.00559497904699289	0.314048570224183
LIHC	BRD8	cg11346339	0.110548749797755	380	2.14533647504071	0.0325728218203038	0.0122210260818465	0.104930643119331
LIHC	BRD8	cg12964860	-0.230804453610018	380	-4.57512268676477	6.49387399346441e-06	0.0532706958062191	8.95399563005264e-05
LIHC	BRD8	cg14473243	-0.0128532827031223	380	-0.247925619396916	0.804328750375343	0.000165206876246383	0.893565880852544
LIHC	BRD8	cg22106577	0.069023045561569	380	1.33445086944905	0.182872374027829	0.00476418081859443	0.360837352638385
LIHC	BRD8	cg22818036	-0.042120732483996	380	-0.813116886097497	0.416671141564091	0.00177415610498836	0.612206825445009
LIHC	BRD8	cg23298160	-0.137426487460122	380	-2.6759758427559	0.00778062386415013	0.0188860394556271	0.0351746776434039
LIHC	BRD8	cg26008208	-0.0476978295028447	379	-0.919771953341586	0.358289576842814	0.00227508293928244	0.557277258095606
LIHC	BRD8	cg26630792	0.104307918877739	380	2.02285284202972	0.0438032223245181	0.010880141940605	0.130931678994604
LIHC	BRD8	cg27119451	-0.0485959748760042	380	-0.938393916025589	0.348650874257834	0.00236156877414923	0.547794440086723
LIHC	BRD9	cg02364331	-0.0803390373581379	380	-1.55454816628332	0.120904033724046	0.00645436092363227	0.272027082355636
LIHC	BRD9	cg02822723	0.00188703233940522	380	0.036395826512691	0.970986264165935	3.56089104996112e-06	0.98460978011693
LIHC	BRD9	cg05193570	-0.0258299780885867	380	-0.498356852237876	0.618527057018572	0.000667187768056868	0.77362058084482
LIHC	BRD9	cg07308931	-0.0310115736138823	380	-0.598417394479633	0.549925640255463	0.000961717698009241	0.722723871617849
LIHC	BRD9	cg09497020	-0.109687031629742	380	-2.12840930344962	0.0339598792082598	0.012031244907744	0.108295750896797
LIHC	BRD9	cg10551270	-0.0859131174207133	380	-1.66318159334876	0.097118299750734	0.00738106374494527	0.233171440368144
LIHC	BRD9	cg10600960	-0.113348530528487	380	-2.2003680232327	0.0283949136968799	0.0128478893729673	0.0947764155032854
LIHC	BRD9	cg13722821	-0.12225593415043	380	-2.37580893936199	0.0180163494943043	0.0149465134349944	0.0671809174702039
LIHC	BRD9	cg17977043	-0.114863374411583	380	-2.23016533361492	0.0263324846796409	0.0131935947812155	0.0895797320783621
LIHC	BRD9	cg20079193	-0.151991767424268	380	-2.96597040446189	0.00321205686964626	0.0231014973647528	0.0174228665539856
LIHC	BRD9	cg21160852	0.112528731506592	380	2.18424889391638	0.0295677777438915	0.0126627154144826	0.0976213667176684
LIHC	BRD9	cg21758832	-0.112947515863763	380	-2.19248258839399	0.0289635501931086	0.0127571413397949	0.096220285421817
LIHC	BRD9	cg21910709	-0.153148356075994	380	-2.98908007605915	0.00298411177742049	0.0234544189687795	0.0163921756540496
LIHC	BRD9	cg24953233	-0.098258570406625	380	-1.90435801856107	0.0576347502610288	0.00965474665835368	0.159878682135447
LIHC	BRD9	cg25523559	-0.0399179848899841	380	-0.770524349755699	0.441477987273988	0.001593445517677	0.634037043904103
LIHC	BRD9	cg25951128	-0.0910561402043095	380	-1.76355345441579	0.07862805402448	0.00829122066890687	0.200405964051517
LIHC	BRD9	cg26504197	0.0500434808593015	380	0.966414583303871	0.334464619727005	0.00250434997651528	0.534058715661794
LIHC	BRDT	cg00308185	-0.121246915248266	380	-2.35590680258009	0.0189957399174991	0.0147008144572201	0.0699197819324307
LIHC	BRDT	cg01515515	-0.189209330499586	379	-3.7064648503535	0.00024230193032431	0.0358001707481015	0.00203934181192788
LIHC	BRDT	cg02935097	-0.315307283189811	380	-6.40831728082876	4.4561325213037e-10	0.0994186828325399	1.56859897449004e-08
LIHC	BRDT	cg03421440	-0.271210849710123	380	-5.4346150181374	9.95241457074556e-08	0.0735553250004867	2.16207243539955e-06
LIHC	BRDT	cg06442199	-0.391622816371299	380	-8.20903726102134	3.70243570750656e-15	0.153368430302588	2.92116920314164e-13
LIHC	BRDT	cg09250199	-0.106252698423137	379	-2.05822277639197	0.04026673927895	0.0112896359221981	0.123051055327283
LIHC	BRDT	cg13299824	-0.310315640253952	380	-6.29596034320463	8.61342493640722e-10	0.0962957965862198	2.88203346022737e-08
LIHC	BRDT	cg14732540	-0.240331530042056	380	-4.77530679604094	2.58491954173269e-06	0.0577592443323558	3.96551431334161e-05
LIHC	BRDT	cg19245011	-0.12112042330234	380	-2.35341236855656	0.0191217299546822	0.0146701569409379	0.070280443168031
LIHC	BRPF1	cg04879506	-0.0241956133901351	380	-0.466804751186661	0.6409128467832	0.000585427707324883	0.789010855846504
LIHC	BRPF1	cg13694772	0.154332886766729	380	3.01276109348002	0.00276598820902144	0.023818639937752	0.0154324599493335
LIHC	BRPF1	cg14712964	0.0420433845646034	380	0.811621081833709	0.417528100766406	0.00176764618564713	0.612976316689224
LIHC	BRPF1	cg17738494	0.137868007930206	380	2.68473946126225	0.00758337937558775	0.0190075876106433	0.0344954634045418
LIHC	BRPF1	cg20952324	0.0158704616182898	380	0.306136934545414	0.7596716452267	0.000251871551977609	0.8662332312495
LIHC	BRPF1	cg25467642	0.0660087765465852	380	1.27591389042029	0.202782046629205	0.00435715858117701	0.386562438076708
LIHC	BRPF1	cg26227975	0.0062821999592098	380	0.121169075889854	0.903622539321042	3.94660363274956e-05	0.948902049105388
LIHC	BRPF3	cg01499736	-0.0506555495101668	380	-0.978264769558711	0.3285791401327	0.00256598469617696	0.528228864216763

LIHC	BRPF3	cg05882415	-0.0462053213341803	380	-0.892128790345075	0.372900605926062	0.00213493171959485	0.571479250963557
LIHC	BRPF3	cg10562781	0.059075290239178	380	1.14139634986749	0.25443923045988	0.00348988991684312	0.448616234404512
LIHC	BRPF3	cg14654948	-0.137634750543257	380	-2.68010939655096	0.00768702117882782	0.0189433245571045	0.0348769704524513
LIHC	BRPF3	cg18779695	0.0755628939981301	380	1.46158293092448	0.144699720178372	0.00570975094937265	0.308193566914615
LIHC	BRPF3	cg23517469	-0.0286544976457653	380	-0.552894968232705	0.580667418828417	0.000821080235331171	0.746417508226142
LIHC	BRWD3	cg03164831	0.01069632171076	380	0.206314984731807	0.836657743898207	0.000114411298140075	0.912528062583344
LIHC	BRWD3	cg05835545	-0.00362464125235366	380	-0.0699100079843706	0.944302852598904	1.31380242082639e-05	0.970193297697762
LIHC	BRWD3	cg09523186	0.0174846224154995	380	0.337282744161399	0.736093988241661	0.000305712021012588	0.851125085036739
LIHC	BRWD3	cg11957438	0.00327124397115691	366	0.0621539680088304	0.950474617213999	1.07010371188304e-05	0.973809955988447
LIHC	BRWD3	cg15511898	0.0151403661776557	380	0.292050282983876	0.77041098244546	0.0002292306879935	0.872786147582783
LIHC	BRWD3	cg22618269	0.00692386948591892	380	0.133545959606721	0.8938333833692591	4.79399686580391e-05	0.943729173847823
LIHC	BRWD3	cg25063710	0.0468131703385115	380	0.903890700732639	0.366638322867173	0.0021914729171425	0.565502739836407
LIHC	BRWD3	cg25708850	-0.170365954696101	345	-3.18330709778119	0.00159088948459139	0.029024558519514	0.00986935060321392
LIHC	CARM1	cg12317676	0.0361520293492207	380	0.697731196368711	0.48578117926832	0.00130696922606691	0.672363467601318
LIHC	CARM1	cg17918830	-0.136630148195854	380	-2.6601736302014	0.00814798374327902	0.018667797396021	0.0364415457815711
LIHC	CARM1	cg22378614	-0.103593279954185	380	-2.00884291812511	0.0452759129693402	0.0107315676516661	0.134214623843953
LIHC	CARM1	cg26504915	-0.200735194621851	380	-3.95208273963127	9.27180797179114e-05	0.0402946183598724	0.000902687191724183
LIHC	CBX1	cg01544580	0.0346351917252525	380	0.66842042378609	0.504279794358719	0.001199596505845	0.687539451796487
LIHC	CBX1	cg01553295	-0.0222240324379388	380	-0.428747508572288	0.668355146584056	0.000493907617802558	0.807699689360651
LIHC	CBX1	cg02835499	-0.0377293651280369	380	-0.728216135695606	0.466939423813292	0.00142350499296473	0.656090119136857
LIHC	CBX1	cg04864609	-0.0549697259765911	380	-1.0618231331614	0.289004833099205	0.00302167077394151	0.486553825104579
LIHC	CBX1	cg11729481	-0.0951773635028802	380	-1.84408604925438	0.0659656206518112	0.00905873052335939	0.176445107034349
LIHC	CBX1	cg12245530	-0.0783460854820939	380	-1.51574363412528	0.130433430660954	0.00613810911036757	0.286847354125581
LIHC	CBX1	cg13342109	-0.091526745580383	380	-1.77274482582059	0.0770892877026763	0.00837714515653615	0.197732040508406
LIHC	CBX1	cg17778721	0.0378031911775168	380	0.729643092769932	0.466067551654357	0.00142908126320388	0.655314833599607
LIHC	CBX1	cg21511817	-0.0987948751658062	380	-1.91485435910286	0.0562777472879956	0.00976042735902724	0.157179258724863
LIHC	CBX4	cg04398978	-0.208439863603403	380	-4.11052951860611	4.86025132417652e-05	0.0434471767390051	0.000517305228503199
LIHC	CBX4	cg04925705	0.0410206426660591	380	0.791843999447779	0.42895626968148	0.00168269312473651	0.623055397666145
LIHC	CBX4	cg05949524	0.00410113511708801	380	0.0791004947963204	0.936995222316285	1.68193092486125e-05	0.966360948228465
LIHC	CBX4	cg07159673	0.00850917528964389	380	0.164124971443956	0.869721900802342	7.24060641098862e-05	0.930854310394406
LIHC	CBX4	cg10756274	-0.0171395898255405	380	-0.330625003611689	0.741113893282198	0.000293765539387771	0.854392899923449
LIHC	CBX4	cg21365914	0.03160149001286	380	0.60981203814923	0.542358627024556	0.000998654171032893	0.7169917860349
LIHC	CBX4	cg22353329	-0.0807547215370855	380	-1.5626442533184	0.118986567861879	0.00652132505053222	0.269176487735461
LIHC	CBX4	cg27487227	0.027525815808266	380	0.531099946648428	0.595666468983904	0.000757670535910584	0.756998666503514
LIHC	CBX5	cg03689456	-0.103979610168147	380	-2.01641622066085	0.0444747039340188	0.0108117593307199	0.132424837429586
LIHC	CBX5	cg05754589	-0.161694343095114	380	-3.16023341321224	0.00170557322321443	0.0261450605889603	0.0104442194054427
LIHC	CBX5	cg06399839	-0.175758045156307	380	-3.44350204738288	0.00063961203643837	0.0308908904371665	0.00461833847806632
LIHC	CBX5	cg06621757	-0.101068023093401	380	-1.95936231572092	0.0508168325169896	0.0102147452920083	0.14602706371257
LIHC	CBX5	cg08288469	0.0947416264584718	380	1.83556688761445	0.0672198304432115	0.0089759757839966	0.178975271733151
LIHC	CBX5	cg09060496	-0.260166604585536	380	-5.19687259962638	3.34885052815908e-07	0.0676866621415666	6.42942936790739e-06
LIHC	CBX5	cg09158487	-0.250674851359493	380	-4.99430284060238	9.09783983040022e-07	0.0628378811041039	1.57524449536202e-05
LIHC	CBX5	cg09653879	-0.137540163795705	380	-2.67823201747219	0.00772940735901295	0.0189172966569493	0.0349980511080294
LIHC	CBX5	cg11005091	-0.189963139174824	380	-3.7318283736146	0.000219786659046865	0.0360859942451535	0.00187918433543127
LIHC	CBX5	cg11338003	-0.212195897701873	380	-4.18806033412433	3.51653877384177e-05	0.0450270990015038	0.00039170334675293
LIHC	CBX5	cg12263485	0.0672678054104892	380	1.30035981792281	0.194282710562627	0.00452495764474344	0.375606480914262
LIHC	CBX5	cg12600134	0.0452999446782204	380	0.874611541397666	0.382349610395543	0.00205208498784983	0.580743207292571
LIHC	CBX5	cg13445218	-0.127392277362675	380	-2.4772367690419	0.0136839196714307	0.0162287923316488	0.0544238232279906
LIHC	CBX5	cg14017196	-0.209673148272583	380	-4.13596540193375	4.37307982797517e-05	0.0439628291065365	0.000472507594911478
LIHC	CBX5	cg14394617	0.144448378724316	380	2.81554795174559	0.0051286452131975	0.0208653341160835	0.0252965905221587
LIHC	CBX5	cg15708001	-0.21229398263999	380	-4.19008755663877	3.48667699595729e-05	0.0450687350651485	0.000388599642154014
LIHC	CBX5	cg20545544	-0.134852049020207	380	-2.62490871552443	0.00902457187112674	0.0181850751249482	0.0394303591206084
LIHC	CBX5	cg20927027	0.00475668171489367	380	0.0917445923926763	0.926950350765107	2.26260209368037e-05	0.961476160017134
LIHC	CBX5	cg21826008	0.00781758868689514	380	0.150784797832717	0.880227207007966	6.11146928774709e-05	0.936442144056366
LIHC	CBX5	cg24505978	-0.0412941593035332	380	-0.797132830039667	0.425882369432205	0.00170520759258557	0.62056028484536
LIHC	CBX5	cg25817259	-0.0739349989243724	380	-1.42992021947593	0.153579233212844	0.00546638406594694	0.320851380845933
LIHC	CBX6	cg03028106	-0.163298763352928	372	-3.15793181806348	0.00172165555716471	0.0266664861125957	0.0105230004062375
LIHC	CBX6	cg04134624	-0.167714508302266	380	-3.28123702248951	0.00113122340639296	0.0281281562950707	0.0074370314947126

LIHC	CBX6	cg04215348	-0.0813905485163424	380	-1.57502954834259	0.116099656586975	0.00662442138779108	0.2646465273244
LIHC	CBX6	cg04801716	-0.116379496456376	380	-2.2600035721003	0.0243987285491795	0.0135441871954396	0.0846426542456423
LIHC	CBX6	cg06060673	-0.186670626739735	380	-3.66479031237268	0.000283519563235086	0.0348459228874056	0.00233126740326712
LIHC	CBX6	cg09913544	-0.0913954832439221	380	-1.77018102713844	0.0775160054874677	0.00835313435739004	0.198475467560546
LIHC	CBX6	cg14498989	-0.0585252125693281	380	-1.13073157370592	0.258896555664436	0.00342520050628504	0.453586439009957
LIHC	CBX6	cg24649346	-0.126736638343984	380	-2.46427871189658	0.0141803078326981	0.0160621754987339	0.0558779691792582
LIHC	CBX6	cg25836955	-0.134837773488244	380	-2.62462569492339	0.00903193650215779	0.018181225159267	0.0394492430660189
LIHC	CBX7	cg00545295	0.11320125878867	380	2.19747198855002	0.0286026212765781	0.0128145249913395	0.0952653302902821
LIHC	CBX7	cg01525244	0.0223570463160108	380	0.431314900596225	0.666489256774901	0.00049983751997625	0.806471593870785
LIHC	CBX7	cg02523424	-0.0591533831005862	380	-1.14291048019917	0.253810774085671	0.00349912273224472	0.447853278879075
LIHC	CBX7	cg03804568	-0.0933088156863611	380	-1.80756126303928	0.0714824530917845	0.00870653508479131	0.1872043748804
LIHC	CBX7	cg10339854	-0.0441122186653153	380	-0.851634658442623	0.394964793999685	0.00194588783557659	0.59160371327798
LIHC	CBX7	cg22268271	-0.0308459117519693	380	-0.595217634010867	0.552059907546584	0.000951470271810279	0.724346416255101
LIHC	CBX7	cg26672614	-0.0556981632395547	380	-1.07593749759878	0.282652510754496	0.00310228538826009	0.479881919243038
LIHC	CBX7	cg27062573	0.0799356090250805	380	1.54669156129046	0.122787909136728	0.00638970159021053	0.275008999924645
LIHC	CDYL2	cg01442398	-0.223375602022487	376	-4.40809733429492	1.36830991503766e-05	0.0498966595789086	0.000172103963670881
LIHC	CDYL2	cg02461391	-0.181310956581036	380	-3.55593582078541	0.00042524494391139	0.0328736629763303	0.00326989277124075
LIHC	CDYL2	cg06919916	-0.0445618545571258	380	-0.860332556213076	0.39015987763876	0.00198575888157044	0.58760174836642
LIHC	CDYL2	cg10112854	0.115351261752536	380	2.23976553027179	0.0256962894172204	0.013305913587902	0.0879616799667008
LIHC	CECR2	cg03927893	-0.236807780881639	380	-4.70109867050136	3.65067145902234e-06	0.0560779250860865	5.3890006733052e-05
LIHC	CECR2	cg12632097	-0.171699264833295	380	-3.36153628493085	0.000855499171162563	0.0294806375442941	0.00589744816317416
LIHC	CECR2	cg13466481	-0.179083994819482	380	-3.51080339715973	0.000501602037974075	0.0320710772005043	0.00375822295503758
LIHC	CECR2	cg26796679	-0.177452052093118	380	-3.47776529146003	0.00056543870285986	0.0314892307920586	0.00415841732371715
LIHC	CHAF1A	cg03006338	0.0510990651826029	380	0.986852311975241	0.324356469290934	0.0026111144625359	0.523775381592449
LIHC	CHAF1A	cg04346879	-0.052465685539397	380	-1.01331711036555	0.311567332824541	0.0027526481591189	0.510406975665035
LIHC	CHAF1A	cg05297461	-0.0172536760784184	380	-0.332826396009305	0.73945281696558	0.000297689338218987	0.85322199529881
LIHC	CHAF1A	cg07783855	0.159149626183907	380	3.10919515492384	0.00202048812884773	0.0253286035144774	0.0119958676253973
LIHC	CHAF1A	cg09700233	0.00767979866374384	380	0.148126960732967	0.882322829772838	5.89793075156416e-05	0.937534600605834
LIHC	CHAF1A	cg18804734	0.0243335581793485	380	0.469467685373893	0.639010426326875	0.000592122053667736	0.787837770280042
LIHC	CHAF1A	cg23811775	0.0472783543136066	380	0.912892714312117	0.361890217744949	0.00223524278660292	0.560812675062606
LIHC	CHAF1A	cg24085258	0.0170768723710154	380	0.329414821878866	0.742027561405661	0.000291619569975948	0.854891654345306
LIHC	CHAF1B	cg00660452	-0.0519984729597459	379	-1.00291810530315	0.316554047019404	0.00270384119014542	0.515835893042051
LIHC	CHAF1B	cg02544117	0.0832097413430743	377	1.60396941059723	0.109576327585875	0.00692386105438132	0.254261791690495
LIHC	CHAF1B	cg02908490	-0.174540040771279	380	-3.4188860312868	0.000698406694736107	0.0304642258324398	0.00497635559720652
LIHC	CHAF1B	cg04634639	-0.0601970240604377	380	-1.16314750458487	0.245515221939941	0.00362368170573292	0.438426480020103
LIHC	CHAF1B	cg07872789	-0.242808906529437	380	-4.82759863890217	2.02141719857533e-06	0.0589561650900211	3.19038607315823e-05
LIHC	CHAF1B	cg13854874	-0.271086712140534	380	-5.43193015714721	1.00921642956386e-07	0.0734880054991647	2.18998557661062e-06
LIHC	CHAF1B	cg25942896	-0.0892630835081754	380	-1.72854421097309	0.0847204465744694	0.0079678980773875	0.211560441075154
LIHC	CHD1	cg03255775	0.0197598263189812	380	0.381188153099279	0.703281249936164	0.000390450736156303	0.830465415263114
LIHC	CHD1	cg03833628	-0.0445591608127264	380	-0.860280446021662	0.390188557849186	0.00198551881233441	0.587609794890859
LIHC	CHD1	cg08865521	0.035901906701979	380	0.692897597871293	0.48880615727765	0.0012889469048376	0.67484535740856
LIHC	CHD1	cg11365324	0.0213416158325705	380	0.411715951221402	0.680784748529438	0.000455464566345023	0.815857196610555
LIHC	CHD1	cg12662497	-0.0315308794120975	380	-0.608448112135769	0.543261636841994	0.000994196356500232	0.717609366149541
LIHC	CHD1	cg16890600	0.0390694053223394	380	0.75411917123877	0.451254745890505	0.00152641843224124	0.641889041905393
LIHC	CHD1	cg21082921	-0.0436081043696369	380	-0.841883529673381	0.400394040359943	0.00190166676671314	0.596921332568564
LIHC	CHD4	cg00079216	0.0333174058985321	380	0.642959811203055	0.520646281029116	0.00111004953580754	0.700892171149357
LIHC	CHD4	cg00824109	-0.168105337218372	380	-3.28910546237054	0.00110094315796576	0.0282594044013026	0.00726805601075939
LIHC	CHD4	cg04344119	0.112737114737645	380	2.18834575664826	0.0292657833417144	0.012709657039369	0.0969180685916022
LIHC	CHD4	cg05147525	-0.192694405284025	380	-3.7875380393805	0.000177361200071651	0.0371311338277641	0.00156933999071588
LIHC	CHD4	cg11565429	-0.0412339757170334	380	-0.795969080008876	0.426557638267195	0.0017002407534329	0.621174357326916
LIHC	CHD4	cg19509514	-0.283399167849485	380	-5.69968047674712	2.44586575405469e-08	0.0803150883377806	6.16244763492408e-07
LIHC	CHD4	cg20308811	-0.253841845984565	380	-5.06171702933319	6.54686504846523e-07	0.0644356827728517	1.17514263862553e-05
LIHC	CHRA1	cg00296189	-0.360533993348003	380	-7.45511348495907	6.36755730729763e-13	0.129984760359458	3.71054496751994e-11
LIHC	CHRA1	cg07270064	-0.412246451972682	380	-8.72721189334218	8.90002610647919e-17	0.169947137164065	8.66543968620078e-15
LIHC	CHRA1	cg08877624	-0.122409231149502	380	-2.37883325979743	0.0178714755598748	0.0149840198706122	0.0667709948662968
LIHC	CHRA1	cg12002314	-0.0352575652164587	380	-0.680446352815705	0.496645151652498	0.00124309590499284	0.681278992217637
LIHC	CHRA1	cg18770186	0.155343026272574	380	3.03296620905292	0.00259154719670146	0.0241314558115216	0.0146444631777224

LIHC	CHRA	cg19486048	0.264920132475564	380	5.29892309937495	1.99986986092068e-07	0.0701826765908704	4.05784757330368e-06
LIHC	CHRA	cg22610305	0.0376184827243088	380	0.726072952147997	0.468250616039781	0.00141515024247912	0.65724897372049
LIHC	CHRA	cg23548819	-0.104750224135612	380	-2.03152546806822	0.0429120850234198	0.010972609456461	0.128882045491156
LIHC	CLOCK	cg05960024	0.118847418255233	380	2.30860818346907	0.0215129343271993	0.0141247088259342	0.077017198388857
LIHC	CLOCK	cg06085476	-0.277785668446098	375	-5.56973757152561	4.9069960515393e-08	0.0771648775940457	1.14876572625172e-06
LIHC	CLOCK	cg07236904	-0.011145129525135	380	-0.214972825375318	0.829906307931871	0.000124213912132036	0.908659080711062
LIHC	CLOCK	cg07500410	-0.1387524683663	380	-2.70229978692594	0.00720163520233807	0.019252247477741	0.0331466103970351
LIHC	CLOCK	cg11774413	-0.108181873466868	380	-2.0988543386022	0.036503351975175	0.0117033177468015	0.11445033707709
LIHC	CLOCK	cg18928811	-0.00610072488969617	380	-0.117668710217325	0.906393666260273	3.72188441797583e-05	0.950450057597612
LIHC	CLOCK	cg22523077	-0.113498573917574	380	-2.20331871228937	0.0281846293572086	0.0128819262813231	0.0942605673107211
LIHC	CLOCK	cg23506964	0.141262700754725	380	2.75217471010964	0.00621001799148908	0.019955150624519	0.0294700262081316
LIHC	CREBBP	cg00039463	-0.017200759839723	380	-0.331805330048148	0.740223118356012	0.000295866139063829	0.853789334172131
LIHC	CREBBP	cg00747661	-0.0246363795662246	380	-0.475313549062137	0.63484246508062	0.000606951198131088	0.784898398231234
LIHC	CREBBP	cg03039399	-0.0789474711897868	380	-1.52745119645945	0.127498643163882	0.00623270320726222	0.282350125745525
LIHC	CREBBP	cg03264209	-0.0225462711726576	380	-0.434967298764923	0.663838391577737	0.000508334343791013	0.804678298395065
LIHC	CREBBP	cg08506924	0.0750642076202118	380	1.45188219748328	0.147377206340624	0.00563463526565027	0.31209337952043
LIHC	CREBBP	cg24567591	-0.03499830581678	380	-0.675436668706744	0.499818004178544	0.00122488141004486	0.683882106576295
LIHC	CTCF	cg01866162	0.000531532582947793	380	0.0102518306442831	0.991825861486664	2.82526886735152e-07	0.995704031029326
LIHC	CTCF	cg04487155	-0.0541876203946426	380	-1.04667077175263	0.295931042464839	0.00293629820403389	0.493918440100429
LIHC	CTCF	cg06241380	0.0296274474179068	380	0.57168447497255	0.567881012255544	0.000877785640500831	0.736515931767749
LIHC	CTCF	cg07967402	0.100618294036385	380	1.95055423920577	0.0518606896606713	0.0101240410947925	0.148183739493949
LIHC	CTCF	cg08324636	0.0977505854514713	380	1.89441748699862	0.0589449713130249	0.0095551769561054	0.162510723972267
LIHC	CTCF	cg10218542	0.0115154311787521	375	0.221871576327187	0.82457794280954	0.000132605155232576	0.905727104977485
LIHC	CTCF	cg10481400	-0.0230324858683363	380	-0.444352378826778	0.657046226086235	0.000530495405275109	0.800235684506256
LIHC	CTCF	cg23858565	0.0202035746983355	380	0.389751990494869	0.69694299200875	0.000408184430591224	0.826191873999401
LIHC	CXXC1	cg02159718	-0.00631143681139467	380	-0.121733009413105	0.903176200606683	3.98342346242277e-05	0.948758505509675
LIHC	CXXC1	cg07675399	0.00940359420466814	380	0.181377976401245	0.856169688202685	8.84275839660682e-05	0.923464328929493
LIHC	CXXC1	cg11871295	0.16772991067342	380	3.28154708359103	0.0011300157072439	0.0281333229345134	0.007432321549993
LIHC	CXXC1	cg13423076	-0.117411504026879	380	-2.28032327985119	0.023153668269295	0.0137854612778539	0.0813631072970247
LIHC	CXXC1	cg15632775	0.158449160212513	380	3.09515742804862	0.00211605011277632	0.0251061363720505	0.0124332328152055
LIHC	CXXC1	cg20016845	-0.123286865155932	380	-2.3961510001837	0.0170614764118114	0.0151996511199771	0.0644185835750561
LIHC	CXXC1	cg27419474	-0.0509934493261825	380	-0.984807279137718	0.325358821397027	0.00260033187418195	0.524823896794683
LIHC	DAXX	cg00221327	0.108734243636141	375	2.10686132875448	0.0358004818474265	0.0118231357391236	0.112741880939104
LIHC	DAXX	cg02173004	-0.0188804042360977	380	-0.3642169712955	0.71590292619056	0.000356469664118457	0.838484097500315
LIHC	DAXX	cg02328295	0.0505648937655233	380	0.976509525386238	0.329446615343912	0.00255680848151866	0.529123530662235
LIHC	DAXX	cg03085224	-0.154923752681547	380	-3.02457859260846	0.00266269795416216	0.0240013691449332	0.0149712290146062
LIHC	DAXX	cg03369465	0.0736394071769273	375	1.42225667483049	0.155791933658367	0.00542276228936929	0.323972360790394
LIHC	DAXX	cg03382121	-0.045952056672591	380	-0.887228399600347	0.375529189258046	0.00211159151244101	0.574082647169086
LIHC	DAXX	cg03902329	-0.0793165530283812	380	-1.53463718011897	0.125723004322416	0.006291115584304	0.279506612890319
LIHC	DAXX	cg04086445	-0.118454125178262	380	-2.30085957087577	0.0219519834773268	0.0140313797717473	0.0781284931208326
LIHC	DAXX	cg04152866	-0.122438950860101	380	-2.37941960521838	0.017843506773994	0.0149912966877223	0.0667043616519026
LIHC	DAXX	cg04271391	0.0108022624217672	380	0.208358649370929	0.835062972800924	0.000116688873428725	0.911708382474089
LIHC	DAXX	cg04488476	-0.139486133063689	380	-2.71687117257422	0.00689811060242031	0.0194563813170613	0.0320491887365436
LIHC	DAXX	cg04973788	0.0806758432944121	380	1.56110791558636	0.119348580390992	0.00650859169126453	0.26974443529741
LIHC	DAXX	cg05431670	-0.0457336646945745	375	-0.880626031658644	0.379091908287889	0.00209156808639577	0.577644766587301
LIHC	DAXX	cg05532204	-0.00084900758953709	380	-0.0163750712755468	0.986943946061204	7.20813887091585e-07	0.993148441205393
LIHC	DAXX	cg06171013	0.081655577025756	380	1.58019261826828	0.114912629924964	0.00666763325940917	0.262764204610756
LIHC	DAXX	cg07689821	-0.0258303955179958	380	-0.49836491138899	0.618521383152249	0.000667209332616099	0.77362058084482
LIHC	DAXX	cg08375286	-0.0753472870687298	380	-1.45738868636231	0.145852739592561	0.00567721366861758	0.309846167062887
LIHC	DAXX	cg08567382	0.0652811591824212	380	1.26178891004664	0.207815329036768	0.00426162974420062	0.392864953636275
LIHC	DAXX	cg09097215	0.0159979047623249	380	0.308595905329243	0.757801677387503	0.000255932956784417	0.864975771266721
LIHC	DAXX	cg09432361	0.202703704471886	380	3.99249111320306	7.87929145662496e-05	0.0410887918066258	0.00078464106448628
LIHC	DAXX	cg09615909	-0.100032009014028	380	-1.93907348657001	0.0532482743045692	0.0100064028273825	0.15102800974368
LIHC	DAXX	cg11111423	-0.125088723404886	380	-2.43172375480418	0.0154984388904785	0.0156471887230641	0.0598856063567243
LIHC	DAXX	cg12025215	-0.0178933045987011	380	-0.345168821854618	0.730162540526396	0.000320170349461899	0.847428197910016
LIHC	DAXX	cg12832355	-0.132204760761508	380	-2.57245297535543	0.01048519666868923	0.0174780987680077	0.0442153832200917
LIHC	DAXX	cg12923297	0.00156732330009923	380	0.0302294742008576	0.975900253614723	2.45650232703395e-06	0.987348284993286

LIHC	DAXX	cg13443893	0.0405637733000641	380	0.783010181907866	0.434119318773648	0.001645419704339	0.62764841534888
LIHC	DAXX	cg13826470	-0.0251187439420736	375	-0.48397388302229	0.628689954854821	0.000630951297227459	0.780685181085617
LIHC	DAXX	cg14539675	0.026482043177127	380	0.510946346079563	0.609691721390029	0.000701298610835217	0.767146983204324
LIHC	DAXX	cg14622330	-0.0359987301019775	380	-0.694768686174431	0.487633979299063	0.00129590856895502	0.673864021378232
LIHC	DAXX	cg14746369	0.0353641913989741	380	0.682506736458652	0.495343356008671	0.00125062603330328	0.680159297896487
LIHC	DAXX	cg14910283	-0.213414601668755	380	-4.21325797681165	3.16209946276068e-05	0.0455457922054332	0.000356820953881642
LIHC	DAXX	cg16922466	0.0208161668837966	380	0.401574700376428	0.688227646797845	0.000433312803734071	0.820800281393116
LIHC	DAXX	cg17079757	-0.00360740642605375	380	-0.0695775881729573	0.944567261465513	1.30133811227339e-05	0.970330013006246
LIHC	DAXX	cg17504991	0.0473938269537177	380	0.915127376564199	0.360717567670012	0.00224617483331894	0.559632699665375
LIHC	DAXX	cg18187593	-0.0771574661776451	380	-1.4926089024542	0.136387180214611	0.00595327458695444	0.295850996782629
LIHC	DAXX	cg18279148	-0.142116670551401	370	-2.73168086255932	0.00660987790408433	0.0201971480486153	0.0309559232839887
LIHC	DAXX	cg18486541	-0.0105568811828197	380	-0.203625097599483	0.838757820690658	0.000111447740308173	0.913698406530171
LIHC	DAXX	cg18944910	0.00533033577670521	380	0.102809253882026	0.918169758504639	2.84124794924236e-05	0.956891168891968
LIHC	DAXX	cg18967278	-0.0240941541458077	380	-0.464846163683705	0.642313590626511	0.000580528264001941	0.78997997713722
LIHC	DAXX	cg20223162	-0.100962970317539	375	-1.95203605473261	0.0516878852378758	0.0101935213753402	0.147831152360122
LIHC	DAXX	cg20763184	0.0255067585531005	380	0.492116653359183	0.622927162790842	0.000650594731886166	0.776652280629379
LIHC	DAXX	cg21286626	0.0310901189092491	380	0.599934514855646	0.548915136541136	0.000966595493791246	0.721955117394161
LIHC	DAXX	cg24328964	-0.0519805331574359	380	-1.00392141938753	0.316069055835481	0.00270197582733129	0.515293839295543
LIHC	DAXX	cg24496586	0.015696814133346	380	0.302786491200231	0.76222181921691	0.000246389973936811	0.867824513134385
LIHC	DAXX	cg24513883	-0.170686055860298	375	-3.33660880286436	0.000933790406306771	0.0291337296651448	0.00634079259790704
LIHC	DAXX	cg24728112	-0.142149406285407	380	-2.76980524162749	0.00589016562292761	0.0202064537072936	0.0282607342093272
LIHC	DAXX	cg25642825	0.067969907737386	380	1.31399488671854	0.189657621377889	0.00461990835782877	0.369650373239252
LIHC	DAXX	cg26521092	-0.0114628385421546	380	-0.221101749754118	0.82513451613754	0.000131396667443505	0.906029113780554
LIHC	DAXX	cg27052777	-0.245374384541427	380	-4.8818559152114	1.56262718425824e-06	0.0602085885890839	2.537850087102e-05
LIHC	DAXX	cg27393652	-0.0882544184773871	380	-1.70885760049372	0.0883114040399501	0.00778884238078176	0.217994522160364
LIHC	DIDO1	cg00080059	-0.00597137170869297	380	-0.115173700054163	0.908369586252872	3.56572800833788e-05	0.951376543090361
LIHC	DIDO1	cg01488865	-0.0102149578787733	380	-0.197029252455035	0.843912250208993	0.000104345364465113	0.916634971414561
LIHC	DIDO1	cg06646488	-0.0596464387971451	380	-1.15247074766917	0.249867731634251	0.00355769766118158	0.443470759142976
LIHC	DIDO1	cg08610063	0.00732803758083628	380	0.141341865475597	0.887676386611276	5.37001347861488e-05	0.940325182320004
LIHC	DIDO1	cg13815390	0.00535816996142192	380	0.103346123195481	0.91774396070528	2.87099853354842e-05	0.956646303705116
LIHC	DIDO1	cg20969846	-0.212920461110389	380	-4.20303876474088	3.30153162157717e-05	0.0453351227594609	0.000370409966447732
LIHC	DIDO1	cg21212389	-0.0053994934650815	380	-0.104143176660752	0.917111851309269	2.91545296794578e-05	0.956270791500474
LIHC	DIDO1	cg21687703	0.0943838742976749	380	1.82857321641998	0.0682641248678414	0.0089083157274393	0.18105098400751
LIHC	DIDO1	cg22394521	-0.152090286642142	380	-2.9679384187501	0.00319204182718997	0.0231314552908888	0.0173268583346668
LIHC	DMAP1	cg01604592	-0.132497176258798	380	-2.5782443831616	0.0103141657595902	0.0175555017165551	0.0436479470761878
LIHC	DMAP1	cg11683482	-0.103429946176593	380	-2.00564133255409	0.0456182767220159	0.010697753766093	0.13492104396124
LIHC	DMAP1	cg15990015	-0.0329042166661679	380	-0.634977382305741	0.525833516149425	0.00108268747441412	0.70464390393827
LIHC	DMAP1	cg18017761	-0.0711152884718506	380	-1.37510363286403	0.169926901120343	0.00505738425443453	0.343599234417798
LIHC	DMAP1	cg18167340	-0.0590443432811606	380	-1.14079632993607	0.254688575776605	0.00348623447350354	0.448934443505814
LIHC	DMAP1	cg21437596	-0.0378937891127668	380	-0.731394243925892	0.464998838142717	0.00143593925332284	0.654226025255901
LIHC	DMAP1	cg23021241	-0.0312337346234085	380	-0.602708514067181	0.547069849768533	0.000975546178525506	0.720530568514248
LIHC	DMAP1	cg23451311	-0.050011080648943	380	-0.965787317336287	0.334778045717882	0.00250110818767508	0.534380852719675
LIHC	DMAP1	cg24485408	-0.182559032835592	380	-3.58125447299869	0.000387326886869321	0.0333278004698667	0.00302405739031634
LIHC	DNMT1	cg04160663	0.0343124566986894	380	0.662184622883435	0.508262916587972	0.00117734468469943	0.690816783434729
LIHC	DNMT1	cg04762346	-0.00709217783487712	380	-0.136792412651936	0.891268882331994	5.02989864415223e-05	0.942466445086657
LIHC	DNMT1	cg06128182	0.0741121671399923	380	1.4333655958187	0.152593298247074	0.00549261331818615	0.319495170066825
LIHC	DNMT1	cg06716436	0.062660070590523	380	1.21092322738225	0.226693572207005	0.00392628444640932	0.416204091293112
LIHC	DNMT1	cg10635912	0.0437442026088783	380	0.844516026514582	0.398923895519111	0.00191355526188659	0.595545682748296
LIHC	DNMT1	cg11380607	-0.0191960099451344	380	-0.370307464823126	0.711364162865422	0.0003684867978137	0.83565926771594
LIHC	DNMT1	cg13393778	-0.0237624043457676	380	-0.458442105874023	0.646902551352211	0.000564651860291755	0.792960366978898
LIHC	DNMT1	cg15043801	0.0880830243335131	380	1.70551294520474	0.0889335610008363	0.00775861917573827	0.219002166582225
LIHC	DNMT1	cg21893394	0.0657486882768991	380	1.2708646546064	0.204570947219338	0.00432289001013284	0.388724774498807
LIHC	DNMT1	cg23401624	0.0655731474411643	380	1.26745693147309	0.205784770386954	0.00429983766534067	0.390092785921963
LIHC	DNMT1	cg24477899	0.0711464625141601	380	1.37570948827714	0.169739328313898	0.00506181912827879	0.343362750782729
LIHC	DNMT1	cg27429799	0.0939252116472669	380	1.81960789858665	0.0696223767773833	0.00882194538298388	0.183633953519915
LIHC	DNMT3A	cg02208653	-0.060437251728217	380	-1.16780624880859	0.243632856390708	0.00365266139645987	0.436317006147903
LIHC	DNMT3A	cg03463641	-0.0017885791548793	380	-0.03449692063423	0.972499400306275	3.19901539326875e-06	0.985551847469142

LIHC	DNMT3A	cg06112956	0.0185409602380535	380	0.357666572922169	0.72079569207109	0.000343767206549082	0.841806609553654
LIHC	DNMT3A	cg07150430	0.221981684751978	380	4.39097894251576	1.47274204517407e-05	0.0492758683653264	0.000183518331991465
LIHC	DNMT3A	cg12066181	-0.114676504589805	380	-2.22648871535469	0.0265797249468814	0.0131507007049357	0.0901999268241884
LIHC	DNMT3A	cg13076778	0.0627736294326126	380	1.21312645751139	0.225851226709794	0.00394052855214296	0.415255378758755
LIHC	DNMT3A	cg13344237	-0.0126270739732378	380	-0.243561600932118	0.807704628529068	0.000159442997125619	0.89588372925915
LIHC	DNMT3A	cg15990840	-0.078103020503774	380	-1.5110122050716	0.131634305841591	0.00610008181181294	0.288582758592101
LIHC	DNMT3A	cg15998962	-0.0829381238353912	380	-1.60518294086238	0.109302101834486	0.00687873238533468	0.253754146948939
LIHC	DNMT3A	cg21629895	-0.277951201329433	380	-5.58084055945014	4.61881410130039e-08	0.0772568703204747	1.08949673801262e-06
LIHC	DNMT3A	cg21708767	-0.0382639696533527	380	-0.738549584988335	0.460646238709697	0.0014641313736327	0.650372295720184
LIHC	DNMT3A	cg22731525	0.0949509884060146	380	1.83966002190836	0.0666147920778848	0.00901569019927911	0.177753691943026
LIHC	DNMT3A	cg25044635	-0.0226038206560619	380	-0.43607812206385	0.663033004851325	0.000510932708251413	0.804082500081738
LIHC	DNMT3A	cg26470599	-0.290322124036659	380	-5.85156316479427	1.06889150966503e-08	0.0842869357051575	2.91153172629137e-07
LIHC	DNMT3A	cg26995204	0.0982534428807269	380	1.9042576727923	0.0576478539601801	0.00965373903791626	0.159903628003218
LIHC	DNMT3B	cg00300969	0.0765959578263228	380	1.4816821986924	0.139271420995444	0.00586694075533182	0.300149068479918
LIHC	DNMT3B	cg13636640	-0.00409781013673844	380	-0.0790363632811101	0.937046197464301	1.67920479167563e-05	0.966376475714444
LIHC	DNMT3B	cg14224313	-0.0721919702514045	380	-1.39603088341745	0.163537746461312	0.00521168056877967	0.334628881564779
LIHC	DNMT3B	cg16523653	-0.116827775138567	380	-2.26882903717484	0.0238509782066101	0.0136487290438277	0.0832046187715259
LIHC	DNMT3B	cg16953106	-0.144738979174246	380	-2.82133333401125	0.00503898028541186	0.0209493720924028	0.0249349553033096
LIHC	DNMT3B	cg17475857	0.111844276649575	380	2.17079440324352	0.0305785618958081	0.0125091422192666	0.100110623858366
LIHC	DNMT3B	cg17721173	-0.105897333557081	380	-2.05402343536666	0.0406718022783287	0.0112142452544997	0.123817100510304
LIHC	DNMT3B	cg22605822	-0.0942750586589949	380	-1.82644612924545	0.0685843847009473	0.00888778668515693	0.181619300148215
LIHC	DNMT3B	cg24403338	0.0728200435065078	380	1.4082408797704	0.159894926854806	0.00530275873628969	0.329654836343329
LIHC	DNMT3B	cg25803642	-0.168899268356977	380	-3.30509435591123	0.00104171745851983	0.028526962851522	0.00694603308203411
LIHC	DNMT3L	cg09247319	-0.154963485405129	380	-3.02537337841386	0.00265587983024275	0.0240136818089055	0.0149393720545123
LIHC	DNMT3L	cg15635600	-0.100021925818377	380	-1.93887605326223	0.0532724061808341	0.010004385644417	0.15107993024067
LIHC	DNMT3L	cg27187798	-0.0134943770525232	379	-0.259943726941786	0.795051377656823	0.000182098212035664	0.887772565609309
LIHC	DPF1	cg06168449	-0.0753833401637955	379	-1.45612890281888	0.146202708060795	0.0056826479742505	0.310290368868681
LIHC	DPF1	cg06615189	-0.0528495921589845	380	-1.02075253751361	0.308035057754367	0.002793079391371	0.506612530029877
LIHC	DPF1	cg07480327	-0.103325791029543	356	-1.94067239355763	0.0531029949134991	0.0106762190918808	0.150758863816537
LIHC	DPF1	cg08057062	-0.0763492523946507	380	-1.47688186931462	0.140553339192489	0.00582920834122208	0.302133364717892
LIHC	DPF1	cg13322582	-0.0748888135020832	380	-1.44847059129581	0.148327824273366	0.0056083343877498	0.31333029466213
LIHC	DPF1	cg13917712	-0.0575660217196357	380	-1.11213747412741	0.266797245089968	0.00331384685662557	0.46253258940853
LIHC	DPF1	cg17121541	-0.0352806187044755	380	-0.680891823318763	0.496363538528573	0.00124472205617058	0.681108869107152
LIHC	DPF1	cg22145401	0.00245060183578811	379	0.0472020666074025	0.962377578640032	6.00544935756806e-06	0.980256828372825
LIHC	DPF1	cg27400772	0.0268517165965277	294	0.455853109431845	0.648839136146751	0.00072101468418024	0.794569023036243
LIHC	DPF2	cg02186298	-0.00171663731823373	380	-0.0331093503447431	0.973605143727701	2.94684368235268e-06	0.986179805845219
LIHC	DPF2	cg14699126	-0.041360392531489	380	-0.798413570025082	0.425139941318537	0.00171068207035885	0.620015074294317
LIHC	DPF2	cg15918224	-0.0871513370744566	380	-1.68733428220274	0.0923773368459602	0.00759535555386554	0.225032176063711
LIHC	DPF2	cg15929437	-0.10348029214355	380	-2.00662817107376	0.0455125157203389	0.0107081708621145	0.134715799708852
LIHC	DPF2	cg18224556	-0.0141369126762085	380	-0.272690147614188	0.785242714266911	0.000199852300014744	0.881393472435704
LIHC	DPF2	cg19517014	0.0164995257758776	380	0.318274654204945	0.750455211659161	0.000272234350828848	0.860136616905041
LIHC	DPF3	cg00888802	-0.00049529171379686	380	-0.0095528417970637	0.992383171806293	2.45313881755835e-07	0.995991406089619
LIHC	DPF3	cg05151458	-0.0725104019563077	380	-1.40222111408569	0.161683133982347	0.0052577583918653	0.332065518903393
LIHC	DPF3	cg07171024	-0.114049431072201	380	-2.21415294447561	0.027424030655434	0.0130072727278927	0.0923347677784529
LIHC	DPF3	cg10266394	-0.00805957858327835	380	-0.15545257120915	0.876548857775374	6.4956806940039e-05	0.934663457129233
LIHC	DPF3	cg12913429	-0.118975076368204	379	-2.30801508567638	0.0215477496495648	0.0141550687968199	0.0770918706879251
LIHC	DPF3	cg13819165	-0.00610549798903185	380	-0.11776077556723	0.906320766279221	3.7277105694072e-05	0.950399235596011
LIHC	DPF3	cg14238615	-0.0252875510494457	380	-0.487884638202273	0.625918977446491	0.000639460238078321	0.778722527650727
LIHC	DPF3	cg14242696	-0.0998148343541698	380	-1.93482124668599	0.0537700491710862	0.00996300115715035	0.152151056648054
LIHC	DPF3	cg15392845	0.055679520063646	380	1.0755762418322	0.282813903614117	0.00310020895451795	0.480061636870098
LIHC	DPF3	cg15740492	0.033948923326398	380	0.655160775415041	0.512769166622121	0.00115252939502165	0.694627345119913
LIHC	DPF3	cg16696021	0.0820311063005115	380	1.58750895237448	0.113246993121582	0.00672910240088581	0.260325529900726
LIHC	DPF3	cg19710444	-0.0392247830043326	380	-0.757122889579152	0.449455517558761	0.00153858360173698	0.640695056045179
LIHC	DPF3	cg19839347	0.0384519243703883	380	0.742182739720052	0.458444973720956	0.00147855048778607	0.648445812363982
LIHC	DPF3	cg20548765	-0.0341518665342324	380	-0.659081819560441	0.510250989728304	0.00116634998777202	0.692590956587924
LIHC	DPF3	cg21035356	-0.0901040905348405	380	-1.74496265363461	0.0818171356131935	0.00811874713111073	0.206249121946721
LIHC	DPF3	cg22784589	-0.105913565797365	380	-2.05434185347934	0.0406408234035851	0.0112176834199127	0.123759299516836

LIHC	DPF3	cg23515460	0.00110420387694574	380	0.0212971260998353	0.983020054887585	1.219266201862e-06	0.991201532093721
LIHC	DPF3	cg24383902	-0.0779863659182682	380	-1.50874153867033	0.132213666477336	0.00608187326913803	0.289508936340835
LIHC	DPF3	cg25495195	-0.0809875455257661	380	-1.56717921593808	0.117923017848271	0.00655898253028803	0.267537721346132
LIHC	DPF3	cg26057784	-0.222027097346754	380	-4.39192381438405	1.46667006955293e-05	0.0492960319562249	0.00018282027141612
LIHC	EED	cg00080012	0.0454868952665793	380	0.878228487435526	0.380386608054811	0.00206905764099275	0.578778668968393
LIHC	EED	cg01739327	0.00868521384182545	380	0.167520656557143	0.867051425089517	7.54329394782364e-05	0.929352216472424
LIHC	EED	cg02172616	-0.118669496062318	380	-2.30510264567081	0.0217106039822182	0.0140824492956845	0.0775354508650176
LIHC	EED	cg04607174	-0.24842928556449	380	-4.94660647812312	1.14580443747397e-06	0.0617171099260831	1.93103792046902e-05
LIHC	EED	cg06358433	-0.101629547614514	380	-1.97036164364868	0.0495381511776197	0.0103285649483308	0.143310807806022
LIHC	EED	cg10086030	-0.125093558082667	380	-2.43181923498351	0.0154944197494725	0.0156483982737816	0.0598764537276075
LIHC	EED	cg10535675	-0.151433279873957	376	-2.93888675542027	0.00350168409748698	0.0229320382533842	0.0186505554347462
LIHC	EED	cg12672785	0.00187740203596604	380	0.036210082959448	0.971134268692414	3.52463840464943e-06	0.98469523123108
LIHC	EED	cg16265078	-0.137395104431133	380	-2.6753529915906	0.00779481662839886	0.0188774147216419	0.0352306509870823
LIHC	EED	cg18574463	0.0574027474099781	380	1.10897267936153	0.268158386552067	0.00329507541021375	0.463889560227519
LIHC	EED	cg19325359	-0.181145572768922	377	-3.53822823145791	0.000454233732349831	0.0328137185337808	0.00345929113797579
LIHC	ELP3	cg01209934	0.133624077743285	380	2.60056954849355	0.00967795444405286	0.0178553941527435	0.0415431654814682
LIHC	ELP3	cg02516513	0.00707066062596734	380	0.1363773732536937	0.891596733326415	4.99942416876049e-05	0.942573783113618
LIHC	ELP3	cg04720865	-0.294964202495253	380	-5.9539655355951	6.05891343106203e-09	0.0870038807536607	1.7290796458402e-07
LIHC	ELP3	cg05621091	-0.128273654380939	380	-2.49466151923585	0.0130407404075782	0.0164541304082407	0.052452890712328
LIHC	ELP3	cg15692687	0.0619871149232579	380	1.19786773587508	0.231731168145854	0.00384240241650918	0.422259276380667
LIHC	ELP3	cg17572663	0.0194361464299499	380	0.374941642997133	0.707917534243911	0.000377763788046453	0.833510967716594
LIHC	ELP3	cg18022570	-0.112653475009816	380	-2.18670134506549	0.0293866771692479	0.0126908054317873	0.0972108331719383
LIHC	ELP3	cg18249244	-0.219888505608936	379	-4.34161265529981	1.8269223869744e-05	0.0483509548989311	0.00022161796378027
LIHC	ELP3	cg19781013	0.16104605814193	380	3.14722495023823	0.0017812199862213	0.0259358328430539	0.0108197257443663
LIHC	ELP3	cg22414525	0.0469045818730261	380	0.905659605484164	0.365702249357912	0.00220003980068341	0.564551441401571
LIHC	ELP3	cg22487209	-0.0975415641327412	380	-1.89032767640937	0.0594911949626741	0.00951435673346166	0.163662848183262
LIHC	ELP3	cg25374552	0.14536327095928	380	2.83376449181784	0.0048511113616245	0.0211304805439811	0.0241977017995779
LIHC	ELP4	cg04972224	-0.188644256615594	380	-3.70495938808753	0.000243511687837878	0.0355866555540501	0.00204797278309837
LIHC	ELP4	cg05195750	0.0392250917109833	380	0.757128857465353	0.449451946863512	0.00153860781973505	0.640695056045179
LIHC	ELP4	cg05635455	-0.150084190292489	380	-2.92788251312541	0.00362273863859942	0.022525264175752	0.0191458783730437
LIHC	ELP4	cg08111895	-0.0451564374265729	379	-0.870662549083608	0.38450144125308	0.00203910384105999	0.582657831989445
LIHC	ELP4	cg08626560	-0.063895745523365	380	-1.23489993024829	0.217647163407371	0.00408266629598662	0.405167488004295
LIHC	ELP4	cg09616795	0.0727186899814733	380	1.40627041295066	0.160478605117396	0.00528800787262162	0.330363258900279
LIHC	ELP4	cg10583382	-0.073269097613564	380	-1.41697170375914	0.157328119627297	0.00536836066510596	0.326013098350806
LIHC	ELP4	cg11385473	-0.0839137555080908	380	-1.62419841799349	0.105180442034405	0.00704151836347164	0.246974438548293
LIHC	ELP4	cg13263383	-0.0784899109071212	379	-1.5165009976865	0.130244288528219	0.00616066611420783	0.286576329764972
LIHC	ELP4	cg19328333	-0.0685690783415507	380	-1.32563253628813	0.185774927604556	0.00470171850460972	0.364548852741116
LIHC	ELP4	cg24001477	-0.0618359560702327	380	-1.19493544628941	0.2328735153644	0.00382368546311975	0.42360142760208
LIHC	ELP4	cg24531794	-0.0589139387143795	380	-1.13826799685232	0.255741128517931	0.00347085217484167	0.449993787929158
LIHC	ELP4	cg25130734	-0.0239513621714669	380	-0.462089706058687	0.644287120682665	0.000573667749868774	0.791311529308293
LIHC	EP300	cg00500400	-0.0749184784879604	380	-1.44904759799833	0.148166716201579	0.00561277841895099	0.313108997370104
LIHC	EP300	cg02046995	-0.0360795601630885	380	-0.696330722153359	0.486656580705121	0.00130173466156193	0.673084111852617
LIHC	EP300	cg07519229	-0.130249221043037	380	-2.53374020752921	0.0116949665715728	0.0169648595823179	0.0481706056795116
LIHC	EP300	cg08131204	-0.251937360495177	378	-5.00764062971145	8.5461267421935e-07	0.0634724336132768	1.48933105685977e-05
LIHC	EP300	cg09331127	0.0503802456044012	380	0.972934508387705	0.331218059702779	0.00253816914715979	0.530886136373823
LIHC	EP300	cg24349919	0.0546562688238961	380	1.05575004145124	0.291767588383236	0.00298730772175	0.489450290479266
LIHC	EPC1	cg02900516	-0.0988797627998401	380	-1.91651589986828	0.0560654057086573	0.00977720749135263	0.156698719971951
LIHC	EPC1	cg16942190	-0.119154092212553	380	-2.31465100126078	0.0211758848039204	0.0141976976909976	0.0760798403194099
LIHC	EPC1	cg26211455	-0.0419228551402611	380	-0.809290234731188	0.418865539832239	0.00175752578311132	0.614305591691976
LIHC	EPC2	cg00066942	-0.0194771258779927	380	-0.375732474992263	0.707329957305349	0.000379358432467174	0.833196636887628
LIHC	EPC2	cg03664802	-0.138384257574631	380	-2.69498842813752	0.00735842179366332	0.0191502027444819	0.0336789471681029
LIHC	EPC2	cg04098458	0.0380090286939939	380	0.733621715118439	0.463641409627204	0.00144468626226085	0.652882972586455
LIHC	EPC2	cg05586854	0.0288432373135284	380	0.556539764818766	0.578176550738176	0.000831932338724518	0.744470374035879
LIHC	EPC2	cg10458926	0.00448281093486993	380	0.086462194925834	0.931145526258207	2.00955938777894e-05	0.963598252982827
LIHC	EPC2	cg11721798	0.0565693177192375	380	1.09281944791303	0.275180271419526	0.00320008770722004	0.471683905140698
LIHC	EPC2	cg12432635	-0.0412893263911199	380	-0.797039377296112	0.425936572478347	0.00170480847383243	0.620616016170901
LIHC	EPC2	cg16434205	0.012271880936729	380	0.236709292638414	0.813012614894551	0.000150599061725254	0.899296222993128

LIHC	EPC2	cg21347644	-0.0167899803493347	380	-0.323879068075344	0.746211605867471	0.000281903440131046	0.857527678232414
LIHC	EPC2	cg21650422	0.0741936645320985	380	1.43495051499366	0.152141382190482	0.00550469985670157	0.318816408444655
LIHC	EZH1	cg00728999	-0.16669444102873	380	-3.26070780665929	0.00121390381900644	0.0277870366698807	0.00789519552677758
LIHC	EZH1	cg01716316	0.0668508279735437	380	1.29226289241037	0.197068273046404	0.00446903320074833	0.379276347279186
LIHC	EZH1	cg03623386	-0.130566987530425	380	-2.54002879998198	0.0114903600475521	0.0170477382327702	0.0475266412983447
LIHC	EZH1	cg05375741	-0.0456521963499492	380	-0.881426656006102	0.378656075262953	0.00208412303157432	0.577229399572937
LIHC	EZH1	cg05979501	-0.0997092478057054	380	-1.93275398243898	0.054025258847769	0.00994193409797957	0.152691770637724
LIHC	EZH1	cg06975499	0.118444367212639	380	2.30066733459731	0.0219629746840295	0.0140290681244025	0.078161283600514
LIHC	EZH1	cg12812489	0.00868242045510588	380	0.167466773570463	0.867093788589327	7.5384424959241e-05	0.929371243018395
LIHC	EZH1	cg19395400	0.131162185544979	380	2.55180990127255	0.0111156171044148	0.0172035189169354	0.0463065394142039
LIHC	EZH1	cg22227424	0.0599422091296504	380	1.15820609069143	0.247522967426463	0.00359306843534275	0.44081776768404
LIHC	EZH1	cg27088844	0.0537314802952602	380	1.03783449600274	0.300021229375338	0.00288707197471994	0.498310165208272
LIHC	EZH2	cg01893439	-0.01793179515749	380	-0.3459115583102	0.729604725186717	0.000321549277570183	0.847096740361403
LIHC	EZH2	cg02303805	0.0118113082042376	380	0.227824154790871	0.819908114707406	0.00013950700149549	0.903099843664043
LIHC	EZH2	cg06816161	0.0357025949141545	380	0.689046008218846	0.491223848337868	0.00127467528360421	0.676885859033514
LIHC	EZH2	cg13751213	0.0357245268562419	380	0.689469826784714	0.490957496740912	0.00127624181910235	0.67667198087273
LIHC	EZH2	cg18494018	0.0493209536254204	380	0.952427225765367	0.341498780902729	0.00243255646652087	0.540706982304092
LIHC	EZH2	cg20101066	0.0120262362979793	380	0.231970421243074	0.816688541950699	0.000144630359494836	0.901426887139977
LIHC	FBXL19	cg00026853	0.0897144013996422	380	1.73735453602401	0.0831522615645111	0.00804867381849612	0.20861895842554
LIHC	FBXL19	cg02291855	0.0241047943042929	380	0.465051562541428	0.642166633257955	0.00058104110845227	0.789879376840739
LIHC	FBXL19	cg03181514	0.0541847515732637	380	1.04661519533901	0.29595665032645	0.00293598730305631	0.493927764898512
LIHC	FBXL19	cg03627896	-0.065181265570069	380	-1.25984986874339	0.20851332564809	0.00424859738131587	0.393715784466719
LIHC	FBXL19	cg04477789	-0.397440092098214	380	-8.35365296268554	1.3278172515691e-15	0.157958626807037	1.11310576798024e-13
LIHC	FBXL19	cg05643349	-0.121501866440646	380	-2.36093482012511	0.0187439956596658	0.0147627035485605	0.0692454363352665
LIHC	FBXL19	cg05768582	0.106742672693279	380	2.07060816072208	0.0390847743923685	0.0113939981737045	0.120413486162129
LIHC	FBXL19	cg06862768	-0.0386978384642593	380	-0.746936365330673	0.455573799437945	0.00149752270180591	0.645869838255668
LIHC	FBXL19	cg07697662	0.0285377817784329	380	0.550641070017073	0.582210262049854	0.000814404988833459	0.747437416471217
LIHC	FBXL19	cg08535091	-0.0119051173925285	380	-0.229633862593638	0.818502499722261	0.000141731820129884	0.902403609990944
LIHC	FBXL19	cg08593668	0.131798516863561	380	2.56440828394803	0.0107269739445103	0.0173708490474344	0.0450274759099569
LIHC	FBXL19	cg09011601	-0.076144184796493	380	-1.47289192563493	0.141625762916798	0.00579793687832248	0.303748319737079
LIHC	FBXL19	cg11940219	-0.159634574815119	378	-3.11052113153241	0.00201246526303504	0.0254831974764039	0.0119573606257197
LIHC	FBXL19	cg26666512	0.0188543509970367	380	0.363714206182022	0.716278050694306	0.000355486551519458	0.838696167547869
LIHC	FBXL19	cg27602786	-0.051098552492845	380	-0.986842384717263	0.324361330154359	0.00261106206686404	0.523775381592449
LIHC	FBXW9	cg02753619	0.0333318232981749	380	0.643238347793128	0.520465758223823	0.00111101044438076	0.700770417724117
LIHC	FBXW9	cg03160342	0.0204162939254101	380	0.393857310254433	0.693912049146903	0.000416825057648736	0.824515954518223
LIHC	FBXW9	cg05868316	0.0200586504886548	380	0.386955093517023	0.699010719723825	0.000402349459426013	0.827352632715797
LIHC	FBXW9	cg06489804	0.0323316376562111	380	0.623916230112396	0.533064999890328	0.00104533479353253	0.710191023676328
LIHC	FBXW9	cg12110584	-0.0564351210650934	380	-1.0902187122447	0.276322495341847	0.00318492288963175	0.472881169488839
LIHC	FBXW9	cg14342428	0.0838436734087057	380	1.62283233186566	0.10547235553609	0.0070297615706657	0.247440297833286
LIHC	FBXW9	cg15828427	-0.0721513745314666	380	-1.39524174391624	0.16377532755643	0.00520582084677996	0.334956432734571
LIHC	FBXW9	cg19721801	0.0205736417123117	380	0.39689403761002	0.691673199734896	0.000423274733306571	0.82289108107138
LIHC	FBXW9	cg21564527	0.0416488839433985	380	0.803992199635767	0.421914948186074	0.00173462953373068	0.617017347492982
LIHC	FBXW9	cg22303873	-0.0040015652288313	380	-0.077180013054254	0.938521835051469	1.60125242805917e-05	0.967153271727676
LIHC	FKBP1A	cg04613791	0.0779047144871994	380	1.50715224123741	0.132620354326466	0.00606914453933206	0.290119405194188
LIHC	FKBP1A	cg07516946	0.0322408076781839	380	0.622161622146742	0.534216738860309	0.00103946967974164	0.711033005435611
LIHC	FKBP1A	cg10996143	0.0212958882364405	380	0.410833387681724	0.681431256717063	0.000453514855778963	0.816222095981819
LIHC	FKBP1A	cg21332426	-0.0529855742601047	380	-1.02338632051494	0.30679025788434	0.00280747107967307	0.505259575786569
LIHC	FKBP1A	cg21775445	0.0338151593607116	380	0.652576380447799	0.514432467715932	0.00114346500259032	0.695971607830914
LIHC	FKBP1A	cg24641773	-0.207559743867975	380	-4.09239002938081	5.23877626738572e-05	0.0430810472745394	0.000552154668669563
LIHC	FKBP1A	cg26779912	-0.0980400239129136	380	-1.90008119571004	0.0581954508446244	0.00961184628884466	0.161020660940629
LIHC	FKBP2	cg03764062	-0.0791479233097486	380	-1.53135389903723	0.126531880096007	0.00626439376424585	0.28083940314376
LIHC	FKBP2	cg04446112	-0.0647444835563836	380	-1.25137191110346	0.211585174771923	0.00419184815098282	0.397652503888356
LIHC	FKBP2	cg06615912	-0.0808252497302029	380	-1.56401797938543	0.118663604389889	0.00653272099394967	0.268695902896352
LIHC	FKBP2	cg09854726	0.0286711226588983	380	0.553216015430256	0.580447811418613	0.000822033274521593	0.746258524211267
LIHC	FKBP2	cg10998122	-0.0556490332099606	380	-1.07498548913943	0.283077960491518	0.0030968148972033	0.480422385935733
LIHC	FKBP2	cg12423493	0.0462763259070654	380	0.893502681104478	0.372165705702019	0.00214149833945693	0.570814039734684
LIHC	FKBP2	cg15010817	-0.0878190081678893	380	-1.70036112456885	0.089898810684201	0.00771217819559181	0.220627697225158

LIHC	FKBP2	cg16977872	-0.0354759948965838	380	-0.684667188656095	0.493980302479948	0.00125854621390244	0.679255896243229
LIHC	FKBP2	cg19924313	-0.108674788890764	380	-2.10853150204297	0.0356531640373778	0.0118102097404521	0.112387140610388
LIHC	FKBP2	cg21809711	-0.107630679214965	380	-2.08803487057977	0.0374743758923744	0.0115843631082748	0.116723318312435
LIHC	FKBP2	cg22074794	-0.0325514914961032	380	-0.628163320482465	0.530282404650875	0.00105959959862088	0.708214551106631
LIHC	FKBP2	cg24677501	-0.0121437489635057	380	-0.234237420074243	0.814929527828164	0.000147470638888646	0.900481367572335
LIHC	FKBP5	cg00130530	-0.114573025395192	380	-2.22445289044836	0.0267174914868165	0.0131269781482074	0.0905292274369703
LIHC	FKBP5	cg00140191	-0.0196746664762935	380	-0.379544691234934	0.704499995071694	0.000387092500953386	0.831338136143307
LIHC	FKBP5	cg00610228	0.0161457054144583	380	0.311447685943412	0.755634771792936	0.000260683803330468	0.863706309680571
LIHC	FKBP5	cg01294490	-0.0387682688662194	380	-0.748297840409377	0.454753348622783	0.00150297867088348	0.645015556080797
LIHC	FKBP5	cg07485685	0.0155635635679547	380	0.300215505270781	0.764180473740476	0.000242224510933768	0.86905616136255
LIHC	FKBP5	cg07843056	-0.0140205853503888	380	-0.270445840164903	0.786967259443229	0.000196576813567538	0.882616743933992
LIHC	FKBP5	cg08636224	0.0227061641712077	380	0.438053572953065	0.661601698311034	0.000515569891369838	0.803055694534468
LIHC	FKBP5	cg08915438	-0.189700936688	380	-3.72648497965534	0.000224323948405616	0.0359864453803045	0.00191056024110647
LIHC	FKBP5	cg10913456	0.00359301751279823	380	0.0693000594686413	0.944788014288697	1.29097748472748e-05	0.970464388585564
LIHC	FKBP5	cg16012111	0.0741757350516991	380	1.43460182924306	0.152240716852909	0.00550203967045986	0.318954387774836
LIHC	FKBP5	cg17030679	-0.266878755144058	380	-5.34109181880211	1.61239161918736e-07	0.0712242699472421	3.34379160031949e-06
LIHC	FKBP5	cg20813374	-0.176865458073099	380	-3.46589715614662	0.000590169314442366	0.0312813902594072	0.00431338140245485
LIHC	FKBP5	cg25114611	-0.330161647872744	380	-6.74622586912726	5.82465707330525e-11	0.109006713726046	2.40894934801015e-09
LIHC	FMR1	cg02921434	-0.157609611585131	380	-3.07833872129	0.00223601702081686	0.0248407896640158	0.0129996792554687
LIHC	FMR1	cg03513471	-0.134921855737445	380	-2.62629269767096	0.00898863600458305	0.0182039071556359	0.039304252112896
LIHC	FMR1	cg04552106	-0.166711282010063	380	-3.26104664974977	0.00121249480444711	0.0277926515494386	0.00788735018121568
LIHC	FMR1	cg04744025	-0.135901974448387	380	-2.64572866533561	0.00849734915614178	0.0184693466589701	0.037638375007282
LIHC	FMR1	cg05288927	-0.155684784474824	380	-3.03980436349578	0.00253483640266609	0.0242377521169725	0.0144064189880922
LIHC	FMR1	cg07147350	-0.26474223056301	380	-5.2950964151479	2.03920133110062e-07	0.0700884486434779	4.12367112949419e-06
LIHC	FMR1	cg08434396	-0.147435140359064	380	-2.87504528941469	0.00427199416754369	0.0217371206126968	0.021898452466537
LIHC	FMR1	cg14470409	-0.179088721714513	380	-3.51089913481721	0.000501427268007497	0.0320727702453382	0.00375763730732831
LIHC	FMR1	cg16783314	-0.136221696391654	380	-2.65207053007621	0.0083423416267013	0.0185563505678199	0.0371081322264052
LIHC	FMR1	cg22625568	-0.219213839664547	372	-4.2865970979892	2.32617977538448e-05	0.0480547075004736	0.000273357748408248
LIHC	FXR2	cg01807919	0.164194964230478	380	3.21045031701285	0.00144053895685345	0.0269599862786481	0.00909325605399686
LIHC	FXR2	cg01933235	-0.161230312348809	380	-3.15092176240448	0.00175941324505024	0.0259952136200945	0.0107106811163188
LIHC	FXR2	cg05529097	-0.308982866625272	380	-6.26605899116109	1.0249351721082e-09	0.0954704118679707	3.38716256495266e-08
LIHC	FXR2	cg05913233	-0.3753891727219	380	-7.81152194977611	5.82924458270291e-14	0.140917030996833	3.96052622765756e-12
LIHC	FXR2	cg09625173	-0.320757157050887	380	-6.53166351598591	2.13963669804289e-10	0.102885153799367	8.01014905137383e-09
LIHC	FXR2	cg17777561	-0.428419359921989	380	-9.14479425430142	3.97254591346765e-18	0.183543147955967	4.44662211211946e-16
LIHC	FXR2	cg19178740	-0.203119535382247	380	-4.00103347484938	7.61150354436886e-05	0.0412575456538998	0.000761973113795691
LIHC	FXR2	cg22521096	-0.355039766083307	379	-7.31512015622733	1.60109575099934e-12	0.126053235500489	8.82122116524379e-11
LIHC	FXR2	cg26904212	0.182322930361362	380	3.5764634954949	0.000394249391871401	0.0332416509355541	0.00306947930256643
LIHC	G2E3	cg02259031	0.122596284283509	380	2.38252377242523	0.0176960780268587	0.0150298489201231	0.0662774394117495
LIHC	G2E3	cg05076167	-0.245891857575308	380	-4.8928131274548	1.48304587268066e-06	0.0604628056218357	2.42073165378345e-05
LIHC	G2E3	cg07906495	0.182034914997793	380	3.57061997107183	0.000402849849762487	0.0331367102782536	0.0031220662694185
LIHC	G2E3	cg08810065	0.0274669602113709	380	0.529963492421364	0.596453405851385	0.000754433903253034	0.757583859959552
LIHC	G2E3	cg09837748	-0.162168466482128	380	-3.16974981516154	0.00165212474892788	0.0262986115211652	0.0101729771029045
LIHC	G2E3	cg18580322	-0.144734670377972	380	-2.82124754744396	0.00504029939115067	0.0209481248094201	0.0249398963767444
LIHC	G2E3	cg18755078	0.00338716772608948	380	0.0653297000004296	0.947946588930763	1.14729052046622e-05	0.972306110347152
LIHC	G2E3	cg18956956	-0.213239831279219	380	-4.20964320215032	3.21076516866393e-05	0.0454712256439898	0.00036152593071507
LIHC	G2E3	cg19554565	0.104364913756155	380	2.02397031708149	0.0436875250865118	0.0108920352233297	0.130661155917885
LIHC	G2E3	cg21061067	-0.074961709860326	380	-1.44988848823944	0.147932168650685	0.0056192579451837	0.312804526018374
LIHC	G2E3	cg22926526	-0.00014748907487042	380	-0.0028446662891647	0.997731812586581	2.17530272061351e-08	0.99888411257093
LIHC	GADD45	cg01810953	-0.093041409995068	379	-1.79991170438786	0.0726868643547618	0.00865670397387034	0.189491033330463
LIHC	GADD45	cg02639608	-0.194428594797066	380	-3.82295767965399	0.000154543859308703	0.0378024784747615	0.00139748750331992
LIHC	GADD45	cg04718306	-0.0594675038093391	380	-1.14900113070397	0.251293745911016	0.00353638400931377	0.444935832428285
LIHC	GADD45	cg07000785	-0.115483644718244	380	-2.2423707231009	0.0255259655075722	0.0133364721974097	0.0875358669752984
LIHC	GADD45	cg22224769	-0.0166920677315891	380	-0.321989803714273	0.747641281845989	0.000278625125155959	0.858365765137131
LIHC	GADD45	cg23369529	-0.132522519274703	380	-2.57874634413796	0.0102994599825083	0.0175622181149139	0.0436070637792125
LIHC	GADD45	cg23723105	-0.14924160251087	380	-2.91106955219905	0.00381883758640192	0.0222730559200126	0.0200082604523539
LIHC	GATAD2A	cg02887458	-0.147644034822285	380	-2.87920952754933	0.00421721699670433	0.021798761018604	0.0216596248761661
LIHC	GATAD2A	cg08505228	0.0280934902965738	380	0.542061569852595	0.588100633320464	0.000789244197043688	0.751736783906213

LIHC	GATAD2A	cg08870822	0.158193201618502	380	3.0900290728707	0.0021519870841572	0.0250250890383119	0.012596476726415
LIHC	GATAD2A	cg09334331	-0.0761546388448129	380	-1.47309532261695	0.141570941286518	0.00579952901758389	0.303695803014206
LIHC	GATAD2A	cg111795262	-0.124775945668371	380	-2.42554707265519	0.0157604052369673	0.0155690366174362	0.060612268390579
LIHC	GATAD2A	cg14948912	0.130261731377735	380	2.53398777177052	0.0116868508276755	0.0169681186615252	0.0481473745320228
LIHC	GATAD2A	cg15264323	0.190514698594684	380	3.7430712445829	0.000210520863819592	0.0362958503806234	0.00181277642101084
LIHC	GATAD2A	cg22191731	-0.00634057583158956	380	-0.122295056219665	0.902731385746288	4.02029018761376e-05	0.948559716391896
LIHC	GATAD2A	cg26631329	0.209014539719609	380	4.12237936833754	4.62719136442465e-05	0.0436870778141998	0.000495668161237037
LIHC	GATAD2E	cg02134200	0.297777022777007	380	6.01623920140663	4.2741054329301e-09	0.0886711552939382	1.25329724104547e-07
LIHC	GATAD2E	cg02940454	0.209370920405463	380	4.12973019813642	4.48800672032911e-05	0.0438361823114309	0.000483506432351867
LIHC	GATAD2E	cg09805553	-0.0478586085348676	380	-0.924122346295292	0.356021661136686	0.00229044641089371	0.554799950419599
LIHC	GATAD2E	cg10226922	-0.0383269464957366	380	-0.739766915253993	0.459908019248812	0.00146895482768706	0.649736760050798
LIHC	GATAD2E	cg10489353	0.0656434106932344	380	1.26882091732437	0.205298292644945	0.00430905736744064	0.38954017215178
LIHC	GATAD2E	cg15064304	-0.0326071444002951	380	-0.629238426067208	0.529579196969207	0.00106322586594169	0.707719907163492
LIHC	GATAD2E	cg20773694	-0.0814069873113237	380	-1.57534978578461	0.116025751379314	0.00662709758310602	0.264524567809694
LIHC	GATAD2E	cg23046518	0.0523590096821771	380	1.01125111368118	0.312553547506914	0.00274146589489831	0.511567234899072
LIHC	GATAD2E	cg23323627	0.083457941990981	380	1.61531383624287	0.107090521104033	0.00696522808136995	0.250157643418525
LIHC	GATAD2E	cg26398333	0.175172681039137	380	3.43166973905863	0.000667271138808624	0.0306854681824392	0.004787391955407
LIHC	GLYR1	cg00636946	-0.323057898079757	374	-6.53063961082491	2.19221220025539e-10	0.104366405511711	8.18334721241209e-09
LIHC	GLYR1	cg00885266	-0.0303618675960839	380	-0.585868596792061	0.558319093792463	0.000921843003922131	0.729382118323198
LIHC	GLYR1	cg01261535	-0.0271617470295192	380	-0.524070159623149	0.600541841900045	0.000737760501695593	0.760591170369433
LIHC	GLYR1	cg01565912	0.0839111489154695	380	1.62414760815045	0.105191287848152	0.00704108091231409	0.246974438548293
LIHC	GLYR1	cg02454264	0.0411811303030054	380	0.794947232939151	0.427151084065531	0.00169588549303311	0.621524201511156
LIHC	GLYR1	cg06399529	-0.187272076437874	380	-3.67702665632779	0.000270720569160991	0.0350708306133528	0.00223999531560414
LIHC	GLYR1	cg06976003	-0.204949985084945	380	-4.03866309285971	6.53142156309954e-05	0.0420044963863193	0.000670235337131995
LIHC	GLYR1	cg11289281	0.0992463854107896	380	1.92369244164554	0.0551559384019059	0.00984984501710698	0.154936948640246
LIHC	GLYR1	cg15663121	0.15625655958832	380	3.05124737169494	0.00244247965519442	0.0244161124143782	0.0139651817063204
LIHC	GLYR1	cg18354686	0.091425778257382	380	1.77077273709019	0.0774173503904238	0.00835867292996798	0.198314246642057
LIHC	GTF2B	cg02705666	-0.193166163456933	380	-3.79716971271952	0.000170860039729117	0.0373131667046705	0.00152168127426296
LIHC	GTF2B	cg04270788	0.0157614121509573	380	0.304032875158098	0.761272835529562	0.000248422112992344	0.867258174574761
LIHC	GTF2B	cg05306856	-0.130384387916284	380	-2.53641506006477	0.0116075438701592	0.0170000886123041	0.0478942011156869
LIHC	GTF2B	cg06356032	-0.0189560052293626	380	-0.365675893598014	0.714814781061718	0.000359330134255623	0.837840338068061
LIHC	GTF2B	cg07167781	-0.0209223601868982	380	-0.403624221420109	0.686720980795418	0.000437745155790303	0.81970711767141
LIHC	GTF2B	cg10430205	-0.11320851973633	380	-2.19761476848617	0.0285923501975225	0.0128161689408909	0.0952392760122487
LIHC	GTF2B	cg12074130	-0.221626797877398	380	-4.38359606464083	1.52102188957448e-05	0.0491184375373889	0.000188748407844245
LIHC	GTF2B	cg13868361	-0.115447629225232	380	-2.2416619544893	0.025572206436381	0.0133281550937266	0.0876449126580236
LIHC	GTF2B	cg14010405	-0.111305450677584	380	-2.16020477594465	0.0313949431559244	0.0123889033505401	0.102121517305234
LIHC	GTF2B	cg17811845	-0.148234442792954	380	-2.89098123615044	0.00406581188838854	0.0219734500301374	0.0210177267622632
LIHC	GTF2B	cg22607980	-0.00438955493350353	380	-0.0846634852098985	0.932574470316353	1.92681925142452e-05	0.964243256074514
LIHC	GTF2H1	cg05849260	-0.0500736509140619	380	-0.966998676354201	0.334172936759296	0.00250737051586333	0.53373882975491
LIHC	GTF2H1	cg07583091	-0.208650678298842	380	-4.1148760102777	4.77349707422562e-05	0.0435351055545669	0.000509465539020864
LIHC	GTF2H1	cg08690812	-0.146476733512666	380	-2.85594481579667	0.00453163982876225	0.0214554334605405	0.0229139261955757
LIHC	GTF2H1	cg10797557	0.0452830500455932	380	0.874284684307418	0.382527310192224	0.0020505546214317	0.580877016769351
LIHC	GTF2H1	cg11063328	-0.0918334196489465	380	-1.77873510680141	0.0760997563895804	0.00843337696441952	0.195919662725321
LIHC	GTF2H1	cg11176342	0.00551464649823235	380	0.106364267150069	0.915350677176522	3.04113260004663e-05	0.955252252333548
LIHC	GTF2H1	cg11347316	-0.00272674846581297	380	-0.0525918153493178	0.958085368134324	7.43515719581339e-06	0.977917888758433
LIHC	GTF2H1	cg11662851	-0.0173790087919122	380	-0.335244813532711	0.737629388828798	0.000302029946589361	0.852317688182092
LIHC	GTF2H1	cg13777411	0.148869346174341	380	2.90364363315623	0.00390849455492121	0.0221620822303759	0.0203901170470454
LIHC	GTF2H1	cg14132868	0.0490854251242032	380	0.947867969916195	0.343812001172862	0.00240937895962376	0.543175622331829
LIHC	GTF2H1	cg17174493	0.145340647808113	380	2.83331394993381	0.00485780761233528	0.021123903905282	0.0242140248218114
LIHC	GTF2H1	cg18321761	-0.0251108018039932	380	-0.484472372538775	0.628335785986693	0.000630552367239431	0.780518540782563
LIHC	H2AFZ	cg02758870	-0.0148518923475238	380	-0.28648452381414	0.774666529193369	0.000220578706302437	0.875083946091106
LIHC	H2AFZ	cg09308803	-0.055103801915862	380	-1.06442089037911	0.287828489686763	0.00303642898558256	0.485333135223947
LIHC	H2AFZ	cg16267491	-0.0420822055825984	380	-0.812371826045415	0.41709786262999	0.00177091202669608	0.612602396311618
LIHC	H2AFZ	cg17709884	-0.0407764921255794	380	-0.787123154490741	0.431710961679709	0.00166272231006744	0.625562457401539
LIHC	H2AFZ	cg20934652	0.0551373431393947	380	1.06507076959017	0.287534712439889	0.00304012660847135	0.485043299647887
LIHC	H2AFZ	cg23752380	-0.0796451699233698	380	-1.54103585007569	0.124158243894654	0.00634335309212245	0.277176411901762
LIHC	H2AFZ	cg24061702	-0.075335170802078	380	-1.45715299231916	0.145917742050224	0.00567538795977826	0.309930782096192

LIHC	H3F3A	cg06319713	-0.0439932764337196	380	-0.849333889542437	0.3962417741808	0.00193540837137367	0.592918359280254
LIHC	H3F3A	cg10632229	0.184168250067707	380	3.6139257353586	0.000343075309606413	0.0339179443330013	0.00273482945337856
LIHC	H3F3A	cg10983539	-0.0431528598635633	380	-0.833078247541226	0.405335143819225	0.00186216931440433	0.601714120453145
LIHC	H3F3A	cg11978873	-0.0450722373722727	380	-0.870206196653792	0.384748901078397	0.00203150658174249	0.582873868288696
LIHC	H3F3A	cg15538837	0.135006042548217	380	2.62796183133631	0.00894546673216368	0.0182266315245309	0.0391661210581912
LIHC	H3F3A	cg15624314	0.0693827480395535	380	1.34143869705668	0.180596404358939	0.00481396572552016	0.357734746026514
LIHC	H3F3A	cg16724613	-0.181688540212821	380	-3.56359365504584	0.000413424124065763	0.0330107256446658	0.00319066630035436
LIHC	H3F3A	cg16727519	0.0812456339278335	380	1.57220658246081	0.116752755738688	0.00660085303233552	0.265730365123917
LIHC	H3F3A	cg18947521	0.188761651412783	380	3.70735017277605	0.000241306637549693	0.035630961044081	0.00203272426221341
LIHC	H3F3A	cg19410789	0.0480132649790117	380	0.927115562807821	0.354467645667116	0.00230527361394479	0.553457290202064
LIHC	H3F3A	cg21266749	-0.17334499585952	380	-3.39474976228742	0.000760919787868824	0.0300484875895368	0.00534058047432942
LIHC	H3F3A	cg21789564	-0.102325790092658	380	-1.984002515184	0.047990130789703	0.0104705673180868	0.140024913159334
LIHC	H3F3A	cg22519151	-0.111616028653364	380	-2.1663083751488	0.0309221391034951	0.0124581378523486	0.100928548825061
LIHC	H3F3A	cg27530209	-0.01152250831651	380	-0.222252846734838	0.824239024949826	0.000132768197904042	0.905521044851037
LIHC	H3F3A	cg27560444	-0.138883564534704	375	-2.67933294794515	0.00771087024353061	0.0192886444978654	0.034940554504032
LIHC	HAT1	cg00414306	-0.141924273854685	380	-2.76532824875729	0.0059699429452768	0.0201424995091796	0.0285519329573874
LIHC	HAT1	cg01583365	0.00235991955994842	380	0.0455166068665402	0.963719961830469	5.56922032942716e-06	0.980933420081546
LIHC	HAT1	cg04507121	0.178794656343711	380	3.50494366716028	0.000512408237369268	0.0319675291370658	0.00382630432930569
LIHC	HAT1	cg04950839	0.0434371640339444	380	0.838577161834055	0.402245139773982	0.00188678721931179	0.598803214887236
LIHC	HAT1	cg05421799	-0.0157937243045672	380	-0.304656322186746	0.760798284640513	0.000249441727408678	0.86688697164586
LIHC	HAT1	cg09545452	-0.187872626133112	380	-3.68924896606742	0.000258480533300202	0.0352961236501521	0.00215245499973838
LIHC	HAT1	cg10190161	-0.0595363220409003	380	-1.15033552902201	0.250744634330156	0.00354457364215779	0.444347891366093
LIHC	HAT1	cg12941622	-0.112352801582393	380	-2.18079029800106	0.029824814329527	0.0126231520234127	0.0982382761432475
LIHC	HAT1	cg13293756	-0.0776655745633225	380	-1.50249769767502	0.133817009528955	0.00603194147225101	0.291903665964599
LIHC	HAT1	cg14446129	-0.0467477890074787	380	-0.902625520453442	0.367308753457806	0.00218535577708775	0.566222474318766
LIHC	HAT1	cg16017358	0.00444958656729437	380	0.0858213673567189	0.931654591846868	1.97988206198465e-05	0.963743121433367
LIHC	HDAC1	cg03762702	-0.0693633830479838	380	-1.34106248605334	0.180718397641378	0.00481127890786132	0.357850808396825
LIHC	HDAC1	cg04967775	-0.08193437712951	380	-1.5856243394412	0.113674207056788	0.00671324215560077	0.260886743831849
LIHC	HDAC1	cg06473843	-0.0147588531896413	380	-0.284689459338433	0.776040482645925	0.000217823747473385	0.876063578287629
LIHC	HDAC1	cg10842753	-0.0747054106096262	380	-1.44490335033063	0.14932683037485	0.00558089837435285	0.314765388884764
LIHC	HDAC1	cg14172124	-0.162469881845621	380	-3.17580086730455	0.00161894856881523	0.0263964625069302	0.0100122811799358
LIHC	HDAC1	cg20002354	-0.0609540135307589	380	-1.17782852128497	0.239617923011483	0.00371539176550794	0.431540807082955
LIHC	HDAC1	cg20793809	-0.0475536912660161	380	-0.918221180901347	0.359098034653385	0.00226135355302358	0.558065108518259
LIHC	HDAC1	cg21930229	-0.00461663165270507	380	-0.0890433156096298	0.929095404011524	2.13132878167583e-05	0.962468818440456
LIHC	HDAC1	cg23018091	-0.254107789141666	380	-5.06738590382275	6.36716557606017e-07	0.0645707685024653	1.1468563992221e-05
LIHC	HDAC1	cg26115470	-0.0185285349772494	380	-0.357426799624706	0.720975008114095	0.000343306608403154	0.841902278313238
LIHC	HDAC10	cg00711351	-0.0418773000267199	380	-0.808409280612362	0.419371689246666	0.00175370825752792	0.614744996095311
LIHC	HDAC10	cg01120165	-0.0821362433846512	380	-1.58955743125344	0.112784074775442	0.00674636247734266	0.259622166353136
LIHC	HDAC10	cg04321608	-0.0845298807096262	380	-1.63620938053021	0.102641497231454	0.00714530073278363	0.242679774963491
LIHC	HDAC10	cg04586023	-0.143924314697629	380	-2.8051165690553	0.00529398280575325	0.0207142083611823	0.0259557634329595
LIHC	HDAC10	cg07482373	-0.271402528119562	375	-5.43144615253669	1.01329586711632e-07	0.0736593322696898	2.19761189535676e-06
LIHC	HDAC10	cg07744063	-0.0913398030764451	380	-1.76909351754893	0.0776975928168278	0.00834295962604377	0.198770315879914
LIHC	HDAC10	cg09151829	-0.104404093308082	380	-2.02473850607386	0.0436081413918364	0.0109002146994826	0.130493970513387
LIHC	HDAC10	cg10508940	-0.157699372000395	380	-3.08013656727791	0.00222290070969443	0.0248690919293189	0.012935991757179
LIHC	HDAC10	cg11645658	-0.229445301704013	380	-4.54667903373006	7.38266273613406e-06	0.0526451464740455	9.9987267565253e-05
LIHC	HDAC10	cg12464820	-0.192008884006333	380	-3.77354692076158	0.000187222113245682	0.0368674115373574	0.00164165431445385
LIHC	HDAC10	cg26943378	-0.0238737524559442	380	-0.460591539255916	0.645360815306015	0.000569956056327703	0.792129997884445
LIHC	HDAC11	cg01409735	-0.0549105540610686	380	-1.06067667978854	0.289525015022009	0.00301516894729354	0.487017746059783
LIHC	HDAC11	cg01712016	0.0340286482073976	380	0.656701121662634	0.511779149037956	0.00115794889882283	0.69379362412231
LIHC	HDAC11	cg02762546	-0.329301106510403	380	-6.7265005479563	6.57335161886403e-11	0.108439218748976	2.70165463547013e-09
LIHC	HDAC11	cg02941903	-0.0259820123655242	380	-0.501292137587174	0.616462047168078	0.000675064966562255	0.772081149135356
LIHC	HDAC11	cg05987698	-0.0892370352836651	380	-1.72803574782668	0.0848116782015561	0.00796324846621809	0.21174747886684
LIHC	HDAC11	cg07450135	-0.0553028159458146	380	-1.06827694701694	0.286088336924689	0.00305840145153664	0.483354447532344
LIHC	HDAC11	cg08051076	-0.0950767056672475	380	-1.84211797768146	0.0662536311932997	0.00903957996053642	0.177008550898123
LIHC	HDAC11	cg08448040	0.0432071388880826	380	0.834128078218187	0.404744115088651	0.00186685685089406	0.601188828220233
LIHC	HDAC11	cg10455785	-0.15680945263185	380	-3.06231548072033	0.00235610007908204	0.0245892044347005	0.013571038764409
LIHC	HDAC11	cg11432034	-0.117122007836259	380	-2.27462249318191	0.023497258907475	0.0137175647195967	0.0822694882509615

LIHC	HDAC11	cg13397067	-0.0364229870914631	380	-0.702967579458189	0.482515639345998	0.00132663398866489	0.669505863203625
LIHC	HDAC11	cg13706066	-0.0711030090118072	380	-1.37486498743587	0.170000828545667	0.00505563789053314	0.343668324304392
LIHC	HDAC11	cg16254764	-0.0449249823851932	380	-0.867357396996874	0.386305358304942	0.00201825404230992	0.584283625315703
LIHC	HDAC11	cg18521047	-0.0808409033114329	380	-1.56432287814627	0.118592016250038	0.00653525164820844	0.268580707777452
LIHC	HDAC11	cg19779799	-0.0967707304751276	380	-1.8752473568604	0.0615418440042805	0.00936457427668979	0.167730473222836
LIHC	HDAC11	cg20894727	-0.109653664272741	380	-2.12775394930595	0.0340145849586811	0.012023926088439	0.108415036227127
LIHC	HDAC11	cg20922324	-0.0337771283726724	380	-0.651841606808799	0.514905877269917	0.00114089440110399	0.696398881430674
LIHC	HDAC11	cg21655280	-0.0527364139688896	380	-1.01856047778199	0.309073641654255	0.0027811293582981	0.507703676430252
LIHC	HDAC11	cg25127083	-0.0993185585529864	380	-1.9251053051519	0.0549783518394416	0.00986417607304299	0.154604753578569
LIHC	HDAC11	cg25150878	-0.118953786248122	380	-2.31070402198372	0.0213955075395324	0.0141500032627638	0.076670602677709
LIHC	HDAC11	cg27025856	-0.123109265265049	380	-2.39264608593325	0.0172227506142015	0.0151558911941001	0.0649109375166509
LIHC	HDAC2	cg00161229	-0.118752869933369	380	-2.30674530338897	0.0216177813261565	0.0141022441174116	0.077274901460599
LIHC	HDAC2	cg01129566	0.0634799338016593	380	1.22683100076099	0.220662013534734	0.00402970199546304	0.408874349297855
LIHC	HDAC2	cg08198132	-0.153376637127527	380	-2.99364281782417	0.00294089713967215	0.0235243928165491	0.0162046248569667
LIHC	HDAC2	cg10999867	0.123106817625848	380	2.3925977836752	0.0172249825286977	0.0151552885459637	0.0649162043812375
LIHC	HDAC2	cg13393754	-0.130704070782845	380	-2.54274192056898	0.0114030749223843	0.0170835541192069	0.0472510285773923
LIHC	HDAC2	cg15005908	-0.103145542186039	380	-2.00006698155534	0.0462196004821996	0.0106390028728519	0.136233330702231
LIHC	HDAC2	cg15242771	-0.0960466612291716	380	-1.86108502292309	0.0635208338812937	0.00922496113327125	0.171611034935279
LIHC	HDAC2	cg18387216	-0.0743209165265054	380	-1.43742530385793	0.151437779847977	0.00552359863333979	0.317751392962929
LIHC	HDAC2	cg18674783	0.302114405817574	380	6.11260335720557	2.4770378705475e-09	0.0912731142025055	7.62860982190706e-08
LIHC	HDAC2	cg22867643	-0.150080736313978	380	-2.92781357928986	0.00362352352543361	0.0225242274125459	0.0191487255714681
LIHC	HDAC2	cg24023618	0.0725652828568331	380	1.4032880282105	0.161365100277509	0.0052657202760922	0.33161107347572
LIHC	HDAC3	cg01947930	-0.0934874441544515	380	-1.81105210139809	0.0709392850265065	0.00873990221453169	0.18615013010314
LIHC	HDAC3	cg01961137	-0.11750144335257	380	-2.28209449359472	0.0230478116130444	0.0138065891899371	0.0810426184201326
LIHC	HDAC3	cg04284814	-0.0855531263499795	380	-1.65616107633954	0.0985324204226708	0.00731933742825555	0.235635755129458
LIHC	HDAC3	cg08520975	-0.0101302746963935	380	-0.195395688820782	0.845189871510128	0.00010262246542439	0.91726735835963
LIHC	HDAC3	cg10414058	0.0826300312347435	380	1.5991790529693	0.110629769703876	0.00682772206185469	0.255994932883755
LIHC	HDAC3	cg11064797	0.129753807817922	380	2.52393757331159	0.0120203817193604	0.0168360506432502	0.0492061447840415
LIHC	HDAC3	cg11153694	0.103063141092899	380	1.99845200333413	0.0463950604984616	0.0106220110519349	0.13655640577962
LIHC	HDAC3	cg12082871	0.113963962225137	380	2.21247181193493	0.0275408735387887	0.0129877846860525	0.0926092377815658
LIHC	HDAC3	cg14098966	-0.0547405215833037	380	-1.05738237002642	0.291023268405336	0.00299652470321214	0.48860967786937
LIHC	HDAC3	cg17940889	0.0541897481290856	380	1.04671199143208	0.295912050696158	0.00293652880229374	0.493899935030936
LIHC	HDAC3	cg18671773	-0.114425312448333	380	-2.22154694839134	0.0269152123020736	0.0130931521288986	0.0910555984239432
LIHC	HDAC3	cg19549288	0.169015129924819	380	3.30742823240267	0.00103332420632798	0.0285661141435033	0.00689917167677756
LIHC	HDAC3	cg20642138	-0.0732981646993379	380	-1.41753687616827	0.15716304927596	0.00537262094829126	0.325853317982607
LIHC	HDAC3	cg23421926	-0.122598610608335	380	-2.38256967186762	0.0176939061527537	0.0150304193230942	0.0662724956787346
LIHC	HDAC3	cg24385322	0.140460810767449	380	2.73623640305955	0.00651259535719644	0.0197292393614491	0.0306001454928641
LIHC	HDAC6	cg07153944	-0.152484725382593	380	-2.97581861235185	0.00311303705485935	0.0232515914750049	0.0169626395353175
LIHC	HDAC6	cg07674520	-0.0836979141765061	355	-1.56686219029434	0.118055731923973	0.00700534083749779	0.267716881192058
LIHC	HDAC6	cg10783042	-0.106594285860493	380	-2.06769662891584	0.0393595019485419	0.0113623417781085	0.121068091201806
LIHC	HDAC6	cg12510923	-0.170445782981539	373	-3.30471989267852	0.0010448913383025	0.0290517649361898	0.00696242199331088
LIHC	HDAC6	cg13178935	-0.102103034253934	380	-1.97963793479546	0.0484809391692822	0.01042502960386	0.141002175180766
LIHC	HDAC6	cg17152375	-0.17862758680131	378	-3.49213509247661	0.00053711500886047	0.0319078147664594	0.0039832530981212
LIHC	HDAC6	cg24616736	-0.160753332041777	380	-3.14135249036118	0.00181637383265338	0.0258416337625338	0.0109886449908575
LIHC	HDAC6	cg26680189	-0.0600802763745369	380	-1.16088348560188	0.246433687348045	0.00360963960924074	0.439582277207049
LIHC	HDAC9	cg00332048	0.0954956457942932	380	1.85030951079139	0.0650616799469952	0.00911941836566912	0.174742843531436
LIHC	HDAC9	cg02301805	-0.0142033939992097	380	-0.273972779233458	0.784257603547923	0.000201736401096787	0.881003759928425
LIHC	HDAC9	cg03260621	0.0683531651912473	379	1.31966138200985	0.187761847666627	0.00467215519166194	0.367151246163724
LIHC	HDAC9	cg07513622	-0.0963541831522085	380	-1.86709959049561	0.0626740245310299	0.00928412861092934	0.169996271551443
LIHC	HDAC9	cg08146609	0.0889438803753327	380	1.72231358992146	0.0858438946882087	0.0079110138562215	0.213543310311595
LIHC	HDAC9	cg08285151	0.0852575282091636	377	1.64372853645955	0.101083996990615	0.00726884611633633	0.240091853017674
LIHC	HDAC9	cg08725366	0.0535295183172173	380	1.03392232811138	0.301844147194274	0.00286540933127331	0.500248478628703
LIHC	HDAC9	cg10068437	0.106068236127598	380	2.05737601184424	0.0403466364559353	0.01125047071522	0.123169416334538
LIHC	HDAC9	cg11321459	0.0877988883304031	380	1.69996855342458	0.0899727124045104	0.0077086447920546	0.220736610703475
LIHC	HDAC9	cg11765288	0.274611597049153	380	5.50828124959506	6.77398395031733e-08	0.0754115292338864	1.53026046794517e-06
LIHC	HDAC9	cg12081743	0.169324352001237	380	3.31365778934431	0.00101122773098853	0.0286707361806387	0.00677700293801873
LIHC	HDAC9	cg16475478	0.168823313050979	379	3.29912115146737	0.00106374735821666	0.0285013110295089	0.00706768939740692

LIHC	HDAC9	cg18856632	0.00916027654928346	380	0.176684428840406	0.859852424173577	8.39106664593526e-05	0.925481304917936
LIHC	HDAC9	cg19585556	0.132596857356414	378	2.57327334457764	0.0104629227006532	0.0175819265807972	0.0441477793878949
LIHC	HDAC9	cg20648975	-0.0294209351306337	380	-0.567696196594128	0.570583727703927	0.000865591423960956	0.738593472544832
LIHC	HDAC9	cg21433125	0.245030988155068	380	4.87458713382339	1.6176771882722e-06	0.0600401851562491	2.61687625669468e-05
LIHC	HDAC9	cg23074799	-0.0966426785442552	380	-1.87274252444722	0.0618880812958931	0.00933980731620824	0.168416461899909
LIHC	HDAC9	cg23385718	0.196701766151907	380	3.86944214243407	0.000128786335992252	0.0386915848072793	0.00119613230923845
LIHC	HDAC9	cg24350771	0.296463132323202	380	5.98712942964815	5.03314061661731e-09	0.0878903888268845	1.45665231074824e-07
LIHC	HDAC9	cg25620356	0.0876251097979313	380	1.69657776197648	0.0906130431871328	0.00767815986709951	0.221845824758452
LIHC	HDGF	cg00692559	-0.118349905333369	380	-2.29880642834964	0.0220696216847847	0.0140067000924174	0.0784538543843056
LIHC	HDGF	cg00746981	-0.0397097683489667	380	-0.766498846811904	0.443865667132289	0.0015768657023286	0.63593603921426
LIHC	HDGF	cg01910231	-0.0602506987998473	380	-1.16418840320442	0.245093760917447	0.00363014670586992	0.437952170164007
LIHC	HDGF	cg02914429	0.082274588325622	380	1.5922530096243	0.112177207156399	0.00676910788415058	0.258530992549991
LIHC	HDGF	cg04402095	-0.120141271551861	380	-2.3341073229758	0.0201218486565193	0.014433925130098	0.0731783971943933
LIHC	HDGF	cg05762852	0.164309987678366	380	3.21276171350149	0.00142931033071873	0.0269977720508647	0.00903503237987872
LIHC	HDGF	cg05967123	0.00603140987531408	380	0.11633173683955	0.907452409009329	3.63779050840362e-05	0.9509449957766
LIHC	HDGF	cg06106793	0.0655530811126957	380	1.26706739721413	0.205923855507143	0.00429720644336766	0.390304074050354
LIHC	HDGF	cg06119628	-0.161548104850242	380	-3.1572986354701	0.00172237566866195	0.0260977901807048	0.0105255689527013
LIHC	HDGF	cg07313589	0.0602093718192253	380	1.16338696018473	0.245418220928483	0.00362516845486572	0.438313629618219
LIHC	HDGF	cg07892339	-0.0461095766692478	380	-0.890276216886048	0.373892983426756	0.00212609306061724	0.572548930213399
LIHC	HDGF	cg08597205	0.0428418822359491	380	0.827063656480413	0.408731180344393	0.00183542687351893	0.604674972781434
LIHC	HDGF	cg08708935	-0.0737071138547253	380	-1.42548875658509	0.154854489283514	0.00543273863279344	0.32258000105293
LIHC	HDGF	cg09063372	0.142635040559286	380	2.77946407983256	0.00572132764726248	0.0203447547953492	0.0276130952650441
LIHC	HDGF	cg09477492	-0.0907624078232868	380	-1.7578171854202	0.0796010409621339	0.00823781467388063	0.202302625959106
LIHC	HDGF	cg11588596	0.131439904895584	380	2.55730792214984	0.0109444919576676	0.0172764485989603	0.0457529049037989
LIHC	HDGF	cg12220178	-0.181080015922781	380	-3.55125287788306	0.000432629009880036	0.0327899721665946	0.00331683662113014
LIHC	HDGF	cg12421458	0.0841241153238762	380	1.6282990349929	0.104308062770988	0.00707686677902481	0.245500905672896
LIHC	HDGF	cg13170934	-0.0496207497150887	380	-0.958230775475254	0.338568749437353	0.00246221880228747	0.537928993193421
LIHC	HDGF	cg13235992	0.208337072258319	380	4.10841042572118	4.90308979654493e-05	0.043404335677168	0.000521151752469486
LIHC	HDGF	cg14155849	-0.0684340294262549	380	-1.32300936510943	0.186644909136446	0.00468321638351352	0.3656629291025
LIHC	HDGF	cg15503799	-0.0868356753740765	380	-1.6811762473421	0.0935680132421333	0.007540434517672	0.227150258141942
LIHC	HDGF	cg17170583	-0.0662123524357297	380	-1.27986620266916	0.201389779930217	0.00438407561507328	0.384652996314543
LIHC	HDGF	cg17218029	-0.12357837427669	380	-2.40190440748338	0.0167996240460404	0.0152716145888696	0.0636554455719482
LIHC	HDGF	cg17971171	0.13174345038042	380	2.56331792489417	0.0107601240260096	0.0173563367181381	0.0451471381521702
LIHC	HDGF	cg18593717	-0.117764059972538	380	-2.28726664145473	0.0227411098548177	0.0138683738212154	0.0802432031589643
LIHC	HDGF	cg19599803	0.0772048551861883	380	1.49353113679709	0.136145878979767	0.00596058966432031	0.295475868582842
LIHC	HDGF	cg20284773	0.038544032362488	380	0.743963211111031	0.457368383256207	0.00148564243076052	0.647566038894047
LIHC	HDGF	cg23747104	-0.014037566606337	380	-0.270773459484432	0.786715448314053	0.000197053276227349	0.882492560830319
LIHC	HDGF	cg26431298	0.0195775284998248	380	0.377670078790395	0.70589108536261	0.000383279622161453	0.832259212371962
LIHC	HDGFL1	cg02685945	-0.210884756227324	380	-4.16097431967775	3.93967137063324e-05	0.0444723804090577	0.000431909237044873
LIHC	HDGFL1	cg03930485	-0.0694372801619299	380	-1.3424981213777	0.180253196651436	0.00482153587628634	0.357373392637286
LIHC	HDGFL1	cg05276066	-0.0758083205976018	380	-1.46635751442894	0.143395711967005	0.00574690147182878	0.306271477274282
LIHC	HDGFL1	cg06566039	-0.148441945003549	380	-2.89511921940611	0.0040137780319887	0.0220350110364366	0.0207957274872147
LIHC	HDGFL1	cg08671671	-0.069029192428673	380	-1.3345702783151	0.182833303534047	0.00476502940735476	0.360778561666184
LIHC	HDGFL1	cg09081892	-0.0842188871933746	380	-1.6301465275898	0.10391691101575	0.00709282096009035	0.244846962945127
LIHC	HDGFL1	cg11894257	-0.0861064691319733	380	-1.66695259364297	0.0963654719347575	0.00741432402637547	0.231972507463333
LIHC	HDGFL1	cg15317945	-0.0375651044717726	380	-0.725041243541427	0.468882540953161	0.00141113707397519	0.657817522294229
LIHC	HDGFL1	cg20209681	0.042792017807937	380	0.826099255395636	0.409277290802891	0.00183115678807479	0.605271114559786
LIHC	HDGFL1	cg21898884	0.108224254141866	379	2.09686225747779	0.0366823250839106	0.0117124891845632	0.114835605536328
LIHC	HIST1H1	cg00667898	-0.0868051831685488	380	-1.68058142217165	0.0936836763613849	0.00753513982492531	0.227298202913076
LIHC	HIST1H1	cg00700007	-0.114010638709615	380	-2.21338991054299	0.0274770100847353	0.0129984257389744	0.0924504356443017
LIHC	HIST1H1	cg03821311	-0.00729500256029393	380	-0.140704657978139	0.888179422586316	5.3217062354695e-05	0.940594973991647
LIHC	HIST1H1	cg04676561	-0.117544531972927	380	-2.28294307646119	0.0229972457244272	0.0138167169967344	0.0809084539564983
LIHC	HIST1H1	cg07138603	-0.10241833268363	380	-1.98581584284251	0.0477874535496125	0.0104895148696947	0.139574888734318
LIHC	HIST1H1	cg11206041	-0.107883351456434	380	-2.09299436641766	0.0370265655931806	0.0116388175214724	0.115638710657027
LIHC	HIST1H1	cg14334286	-0.100467957764354	380	-1.94761012853218	0.0522135922544751	0.01009381053734	0.148918616946936
LIHC	HIST1H1	cg18798248	-0.113078400561821	380	-2.19505614723767	0.0287768925835394	0.0127867246736197	0.0956982679281779
LIHC	HIST1H1	cg23460835	-0.105950718842717	380	-2.0550706687172	0.0405699926023323	0.0112255548232885	0.123623266921498

LIHC	HIST1H1	cg00903962	-0.0845627942386934	380	-1.63685106156396	0.102507244641856	0.00715086616945559	0.242502389905988
LIHC	HIST1H1	cg04290376	0.0200655311350634	380	0.38708788277993	0.698912498633634	0.000402625539732198	0.827305522924126
LIHC	HIST1H1	cg07750111	-0.00637821586830584	380	-0.123021074999179	0.902156845645946	4.06816376627084e-05	0.948281470876085
LIHC	HIST1H1	cg08283682	-0.0389101864523304	380	-0.751041252946802	0.453102657455357	0.00151400260975512	0.643493950637713
LIHC	HIST1H1	cg10717387	-0.00952731806212497	380	-0.1837645964862	0.854298255367101	9.07697894568927e-05	0.922212981031405
LIHC	HIST1H1	cg12633985	-0.0292267102642049	380	-0.563945286018196	0.573131188247412	0.000854200592867781	0.74058480596836
LIHC	HIST1H1	cg15022984	0.00178657431158276	380	0.0344582524317231	0.972530213971817	3.19184777080741e-06	0.985558207323099
LIHC	HIST1H1	cg16481032	-0.0389621565911299	380	-0.752045900424931	0.452499019085047	0.00151804964623173	0.642906613045662
LIHC	HIST1H1	cg16482183	-0.096736409771567	380	-1.87457599805956	0.0616344860856566	0.00935793297549253	0.1679272468355
LIHC	HIST1H1	cg17691542	-0.032251327261794	380	-0.6223648333966	0.534083284782006	0.00104014811014734	0.710996030876523
LIHC	HIST1H1	cg20855557	-0.0607750557983879	379	-1.17277814073241	0.241637239487349	0.00369360740729716	0.433901793704933
LIHC	HIST1H1	cg23407813	0.00145032930786977	380	0.0279729680870141	0.977698711314207	2.10345510126601e-06	0.98844548746003
LIHC	HIST1H3	cg00958605	-0.00828920306521729	379	-0.15966812226941	0.873230435175169	6.87108874564076e-05	0.932851177858575
LIHC	HIST1H3	cg01043409	-0.0309449328626931	380	-0.59713022180459	0.550783704406857	0.000957588869876585	0.72328866486219
LIHC	HIST1H3	cg08041469	0.043757523502996	380	0.844773690067246	0.398780176168926	0.00191472086311525	0.595376828482045
LIHC	HIST1H3	cg08401836	0.0534081849738855	380	1.03157206371885	0.302942830639123	0.0028524342220477	0.501289740427966
LIHC	HIST1H3	cg10075390	-0.0632567154986966	380	-1.22249965918432	0.222292710615807	0.00400141205568305	0.410858615577241
LIHC	HIST1H3	cg15479139	0.0710423774411558	380	1.37368665109022	0.170366207657871	0.00504701939249165	0.344156550468358
LIHC	HIST1H3	cg15797414	-0.0184666886362152	380	-0.356233338113849	0.721867775163016	0.000341018589186918	0.842438969412416
LIHC	HIST1H3	cg21209604	0.0758168639719885	380	1.4665237239519	0.143350481289423	0.005748196862547	0.306208499448897
LIHC	HIST1H3	cg23099349	-0.0864066516608249	380	-1.67280752571245	0.0952059132501308	0.00746610945123513	0.229949666719882
LIHC	HIST1H3	cg25701114	0.074781935845231	380	1.44639177104236	0.148909373035979	0.00559233792876024	0.314207501200393
LIHC	HLTF	cg00906762	-0.136259922982026	380	-2.65282883248515	0.00832397826143082	0.0185667666110677	0.0370433936771208
LIHC	HLTF	cg02059813	-0.0813467303027719	380	-1.57417594996517	0.116296833642902	0.00661729053095191	0.264934524307152
LIHC	HLTF	cg02398045	-0.0697050679138597	380	-1.34770075104634	0.17857482783208	0.0048587964928758	0.355159150105301
LIHC	HLTF	cg02611507	-0.15168218960118	380	-2.9597868841543	0.00327569383928439	0.0230074866422084	0.0176685603249105
LIHC	HLTF	cg02710346	-0.148594375604056	380	-2.89815922055172	0.00397593852836915	0.0220802884611593	0.020658394073521
LIHC	HLTF	cg03678609	-0.166338557787241	380	-3.25354806790251	0.00124403358009403	0.0276685158067392	0.00805345330197515
LIHC	HLTF	cg04120413	-0.225743761190377	380	-4.46935677212026	1.04284599652529e-05	0.0509602457163781	0.000135982503274704
LIHC	HLTF	cg04731810	-0.172254296966817	380	-3.37273446206224	0.00082245147179908	0.0296715428235324	0.00569942898602687
LIHC	HLTF	cg04836786	-0.14845364253235	380	-2.89535250170624	0.00401086273365551	0.0220384839811229	0.0207861605157549
LIHC	HLTF	cg05555455	-0.173480896042511	380	-3.39749375087605	0.000753558669308036	0.0300956212917125	0.00530135134021969
LIHC	HLTF	cg07275648	-0.119848336251521	380	-2.32833312967813	0.0204297588920963	0.0143636237022577	0.0740075745402439
LIHC	HLTF	cg09352720	-0.122863387145294	380	-2.38779409358108	0.0174482241307969	0.0150954119008144	0.0655763454820054
LIHC	HLTF	cg09392355	-0.0798409823987391	380	-1.54484885659181	0.123233073232343	0.00637458247039576	0.275751990422737
LIHC	HLTF	cg15438497	-0.17661986489918	380	-3.46092937904109	0.000600818237990622	0.0311945766770046	0.00438010064719731
LIHC	HLTF	cg16724124	0.175533302327321	380	3.43895874377928	0.000650103304408459	0.0308119402259347	0.00468452542267059
LIHC	HLTF	cg20117402	-0.138847278403935	380	-2.70418256246211	0.00716175099376236	0.0192785667201798	0.0329981791523779
LIHC	HLTF	cg21089667	-0.117857987637888	380	-2.28911663398956	0.0226322754539257	0.0138905052500526	0.0799462033629705
LIHC	HLTF	cg21111416	-0.166670589263866	380	-3.26022791056664	0.00121590197408768	0.0277790853255642	0.00790422647047519
LIHC	HLTF	cg21835021	-0.146809059802301	380	-2.86256694555233	0.00444003815570442	0.0215529000400355	0.0225580151701195
LIHC	HLTF	cg21926402	-0.12003410133006	380	-2.33199476579497	0.0202340263491154	0.0144081854821152	0.0734661554094598
LIHC	HLTF	cg24041269	-0.0640005705645487	380	-1.23693418790069	0.216891805017578	0.00409607303258778	0.40420683279082
LIHC	HLTF	cg24710191	0.171734311534767	365	3.29375864441813	0.0010874895422197	0.0294926737583205	0.0071994010252267
LIHC	HLTF	cg25951608	-0.0444880824820995	380	-0.85890545026302	0.39094578764181	0.00197918948293409	0.588203586004009
LIHC	HLTF	cg26151310	-0.172235592804394	380	-3.37235703814334	0.000823545672167161	0.029665099428681	0.0057054868662011
LIHC	HLTF	cg27554556	-0.103150634191573	380	-2.00016678108731	0.0462087761478988	0.0106400533341238	0.136206635785452
LIHC	IDH1	cg00707300	-0.00623078801725056	380	-0.120177420038053	0.904407483214601	3.88227193159131e-05	0.949357680480391
LIHC	IDH1	cg01046174	-0.033124460302093	380	-0.639232242204967	0.523065275162855	0.00109722987030493	0.702578999627156
LIHC	IDH1	cg02241586	-0.0151671860728109	380	-0.29256774462079	0.770015684497176	0.000230043533367269	0.872478082084729
LIHC	IDH1	cg03448938	-0.0103845140211971	380	-0.200300053369039	0.841355376670031	0.000107838131456438	0.915041722299419
LIHC	IDH1	cg05268564	-0.105939506523383	380	-2.05485072057644	0.0405913574531882	0.0112231790424179	0.123659306927997
LIHC	IDH1	cg07129696	0.0242510010734355	380	0.467873971074436	0.640148702451083	0.00058811105306377	0.78855680899529
LIHC	IDH1	cg07915542	-0.184715342033621	380	-3.62503995050407	0.00032913695425985	0.0341197575825976	0.00264022274898853
LIHC	IDH1	cg09406631	0.0310886006806161	380	0.599905189816397	0.548934660256707	0.000966501092278802	0.721955117394161
LIHC	IDH1	cg09615745	-0.0125668431258302	380	-0.24239963385042	0.808604101824038	0.000157925546149227	0.896497605673596
LIHC	IDH1	cg10356455	0.0176107678013294	380	0.339716872452835	0.734261474113782	0.000310139142552341	0.850179882696826

LIHC	IDH1	cg14772913	0.0383507736493766	380	0.740227491857793	0.459628887550073	0.00147078183950572	0.649466345982569
LIHC	IDH1	cg15399923	-0.038634785996565	380	-0.745717520984387	0.456309007289898	0.00149264668900037	0.646572126937276
LIHC	IDH1	cg16085695	0.0144957579396217	380	0.279613432880261	0.779929501589887	0.000210126998244106	0.878401627939769
LIHC	IDH1	cg16863783	0.0382545068125798	380	0.738366670855954	0.460757219869384	0.00146340729147371	0.650469960303401
LIHC	IDH1	cg24324379	-0.0700435595651586	380	-1.35427744813853	0.176469925132775	0.00490610023655792	0.352450549556599
LIHC	IDH1	cg24830471	-0.00773305317265792	380	-0.149154188011805	0.881512793787013	5.98001113711548e-05	0.937130604969689
LIHC	IDH1	cg24987806	0.0135778468840254	380	0.261904170039152	0.793540282893631	0.000184357926006037	0.88685478095853
LIHC	IDH1	cg25795625	0.014000262223988	380	0.270053746456514	0.787268655564089	0.000196007342340425	0.882820333135652
LIHC	IDH1	cg26105702	-0.019203092494827	380	-0.370444143662025	0.711262423966546	0.000368758761364881	0.835590223501615
LIHC	ING2	cg02075087	-0.0274168564093532	379	-0.528284538009752	0.597617714316721	0.00075168401537109	0.758394056760873
LIHC	ING2	cg02552216	0.0351782370641676	380	0.678913475864325	0.49761484369264	0.00123750836294277	0.682014633895737
LIHC	ING2	cg10348863	-0.120127169633514	380	-2.33382933889433	0.0201365785278565	0.0144305368841591	0.0732251198988485
LIHC	ING2	cg17985608	0.0665103306245685	380	1.28565157246111	0.19936443080743	0.00442362407978942	0.382125486628245
LIHC	ING3	cg01382559	-0.0772004376620135	380	-1.4934451672227	0.136168358794843	0.00595990757520644	0.295490303566991
LIHC	ING3	cg01416111	-0.180283642107925	380	-3.53510891003385	0.000459016495695434	0.0325021916116982	0.00349024819334675
LIHC	ING3	cg10268125	-0.0324086795148349	380	-0.625404498229375	0.532089077844443	0.00105032250789528	0.709620110873903
LIHC	ING3	cg14303833	0.00647347184774836	380	0.124858419597356	0.900703080527604	4.19058377635906e-05	0.947650736361433
LIHC	ING3	cg16130600	0.143839772473747	380	2.80343400012531	0.00532109974574881	0.0206898801452993	0.0260591522581544
LIHC	ING3	cg18485114	0.0446526432221531	380	0.862088864032998	0.389194000166196	0.00199385854672489	0.586817635008447
LIHC	ING3	cg19478983	0.114625249289639	380	2.22548032167246	0.026647886874549	0.0131389477747118	0.0903602873122948
LIHC	ING3	cg19960827	0.0498609178866937	380	0.962880215896877	0.336233117363022	0.00248611113250361	0.535770390931884
LIHC	ING3	cg20553930	0.0277286762769855	380	0.535017061533289	0.592957716193528	0.000768879488073859	0.755141154659976
LIHC	ING3	cg24859794	0.132109013303951	380	2.57055680667017	0.0105417419765703	0.0174527913961436	0.0444056895887651
LIHC	ING4	cg00369908	-0.0768643555483592	380	-1.48690492188566	0.137886989062066	0.00590812915386458	0.298098611246509
LIHC	ING4	cg00443163	-0.192585563876546	380	-3.78531626110434	0.000178893650312095	0.0370891994136471	0.00158092157586949
LIHC	ING4	cg00591160	-0.174217736644188	380	-3.4123749396755	0.000714780993465542	0.0303518197614237	0.00507304740495013
LIHC	ING4	cg03930474	-0.262275134690252	380	-5.24208868698275	2.66761857695766e-07	0.0687882462767897	5.24582203174529e-06
LIHC	ING4	cg04375284	-0.207823114146211	380	-4.09781706572587	5.12268312791619e-05	0.043190446773429	0.00054145925441999
LIHC	ING4	cg08733494	-0.198453889217065	380	-3.90531585173047	0.000111744514319744	0.039383946145379	0.0010603870147585
LIHC	ING4	cg12392916	-0.172351380833809	380	-3.37469353954816	0.000816793580102501	0.0297049984753207	0.00566778763770604
LIHC	ING4	cg18123790	0.0406147670991987	380	0.783996150241785	0.433541274319145	0.00164955930652215	0.627080728365008
LIHC	ING4	cg23354319	-0.220091655854473	380	-4.35168083920282	1.7477190827384e-05	0.048440336976764	0.000212939793770636
LIHC	ING4	cg27116036	-0.105889020410132	380	-2.05386036199676	0.0406876754546462	0.0112124846434173	0.123855729547611
LIHC	INO80	cg00734724	0.0272855057250313	380	0.52645978693358	0.598882530601714	0.000744498822670714	0.759268388481767
LIHC	INO80	cg06380007	0.0813492392528462	380	1.57422482518551	0.116285536580289	0.00661769872701681	0.264930902381485
LIHC	INO80	cg12580230	0.110181581221444	380	2.13812339799999	0.0331578084693941	0.0121399808404576	0.106379023097494
LIHC	INO80	cg18952654	0.0383265954493525	380	0.739760129570369	0.459912132413261	0.00146892791873833	0.649736760050798
LIHC	INO80	cg21007089	0.0626131267427971	380	1.21001245257332	0.22704243880447	0.00392040364050957	0.41661480689764
LIHC	INO80	cg21598047	0.0463289818638528	380	0.894521547238808	0.371621292240038	0.0021463745605412	0.570237619009064
LIHC	INO80	cg22835709	-0.0722650462817967	379	-1.39557186577449	0.163678150490571	0.0052223691411022	0.334850186578776
LIHC	INO80	cg26409855	0.104363535946382	380	2.02394330269633	0.0436903189483674	0.0108917476352318	0.130664488400327
LIHC	INO80	cg27441689	-0.0489955298387824	380	-0.946127858846549	0.344697520238896	0.00240056194418302	0.54393393150905
LIHC	INTS12	cg00093890	0.161820535362238	380	3.16276607068985	0.00169119484746331	0.0261858856649215	0.0103749555999969
LIHC	INTS12	cg01852585	0.139965967676664	380	2.72640368074568	0.00670584044894355	0.0195904721076648	0.0313110948853679
LIHC	INTS12	cg03607115	0.204945538459398	380	4.03857162759346	6.53386088289178e-05	0.0420026737344128	0.000670397221740548
LIHC	INTS12	cg19703969	0.0639301979221619	380	1.23556851649555	0.217398695445366	0.0040870702063668	0.404887840398368
LIHC	INTS12	cg26533745	0.0806354452983171	380	1.56032108183172	0.119534319964914	0.00650207503845788	0.27003086469061
LIHC	IWS1	cg02372421	-0.103744624430077	379	-2.00910377723815	0.0452500624894434	0.0107629470981377	0.134158442063484
LIHC	IWS1	cg02592214	-0.108422320754308	380	-2.10357472450765	0.0360864994690961	0.01175539963775	0.11345888290421
LIHC	IWS1	cg10180764	-0.186538746989986	380	-3.66210782307497	0.00028640046460627	0.0347967041285941	0.00235098002992299
LIHC	IWS1	cg10488833	-0.0280790165814008	380	-0.541782080301316	0.588292984975984	0.000788431172178583	0.75183441439778
LIHC	IWS1	cg15239145	-0.0525458742550116	380	-1.01487015214615	0.310827337782365	0.00276106890122349	0.509707038689741
LIHC	IWS1	cg17144508	0.043710432056474	380	0.843862811085004	0.399288385703266	0.00191060187056363	0.595915751857465
LIHC	IWS1	cg18451256	0.0535001230001711	380	1.03335292751769	0.302110081458015	0.00286226316103344	0.500486630399813
LIHC	IWS1	cg18530950	-0.155359782701266	380	-3.03330145820751	0.00258873994788547	0.0241366620809846	0.0146347238940341
LIHC	IWS1	cg19311602	0.0899002687427407	380	1.74098322692668	0.0825132790996815	0.008082058320017	0.20752765944459
LIHC	IWS1	cg19409088	-0.00749400855298242	380	-0.144543261413347	0.885149773635686	5.61601641921736e-05	0.939147140920021

LIHC	IWS1	cg21581038	0.115473940433152	380	2.24217974627775	0.025538417914274	0.0133342309191591	0.0875599684100058
LIHC	IWS1	cg21679674	-0.090182165809027	380	-1.74648705765972	0.0815517334512234	0.00813282303000684	0.205787912423513
LIHC	IWS1	cg22409775	-0.0452838576441181	380	-0.874300308738011	0.382518814625592	0.00205062776313276	0.580875454624984
LIHC	IWS1	cg23570261	0.0676955009886101	380	1.30866558089933	0.191455558793397	0.00458268085409891	0.371911072566857
LIHC	IWS1	cg23623107	0.119164504095506	380	2.3148561726622	0.0211645225096837	0.0142001790363278	0.0760530677684114
LIHC	JADE1	cg09863040	-0.0811960113420437	374	-1.57123994739904	0.116977053483861	0.00659279225785728	0.266061833719951
LIHC	JADE1	cg12832492	-0.116499251674925	374	-2.26236110993008	0.0242513474529271	0.0135720756408174	0.084249958636762
LIHC	JADE1	cg14617908	0.134935468993978	374	2.62656259759859	0.00898164287154571	0.0182075807926248	0.0392825055123982
LIHC	JADE1	cg15389440	-0.0246315800561545	374	-0.475220895138872	0.634908435021797	0.00060671473606275	0.784935507256029
LIHC	JADE1	cg15836763	-0.144693005956727	374	-2.82041803242041	0.00505307069068615	0.0209360659727933	0.02499355171104
LIHC	JADE1	cg20039387	0.0694272647449786	374	1.34230354568063	0.180316194272769	0.00482014508996935	0.357461852536971
LIHC	JADE1	cg22922695	-0.05381048579108	374	-1.03936493148857	0.299310115738537	0.00289556838107202	0.497617779615399
LIHC	JADE1	cg26766900	0.597750194859292	374	14.3809916962644	1.3386618662105e-37	0.357305295454322	5.10017669839897e-35
LIHC	JADE2	cg04590931	0.0731279669902097	374	1.414227650373	0.158131453171767	0.00534769955612119	0.327172268833984
LIHC	JADE2	cg04842522	0.146137596627847	374	2.84918799285719	0.00462687322421816	0.0213561971481632	0.0232972799744225
LIHC	JADE2	cg17378563	-0.0888226187311917	374	-1.71994678806599	0.0862738097898187	0.00788945759826664	0.214370333887115
LIHC	JADE2	cg18145011	0.0410248515263552	374	0.791925382353679	0.42890887154075	0.00168303844275949	0.623021449560107
LIHC	JADE2	cg21194015	0.0634420396072245	374	1.22609568648891	0.220938241708123	0.00402489238952464	0.409162291047532
LIHC	JADE2	cg25669900	-0.0873145873099336	374	-1.69051922362705	0.091766328399222	0.00762383715710402	0.223950489427772
LIHC	JADE2	cg26133206	0.0371320078416583	374	0.716670469386871	0.47402714470882	0.00137878600635298	0.661963295380278
LIHC	JADE3	cg10860619	0.0453829118608565	374	0.876216701864003	0.381477683302352	0.00205960868897027	0.579914334373602
LIHC	JADE3	cg17843048	0.0498663896851048	374	0.962986146954947	0.336180024790399	0.00248665682022673	0.535720202559389
LIHC	JADE3	cg19194595	0.0556835610684727	374	1.07565454579272	0.282778915597718	0.00310065897326633	0.480033669234488
LIHC	JARID2	cg01769037	-0.131234171903371	379	-2.54980088246741	0.0111798271531395	0.0172224078751634	0.0465167392389868
LIHC	JARID2	cg03223185	0.107077402137978	380	2.07717647754006	0.0384709984754912	0.0114655700486182	0.118936504032335
LIHC	JARID2	cg05197191	-0.285391295374753	380	-5.74328495337175	1.93188480500803e-08	0.0814481914756793	4.9830585716444e-07
LIHC	JARID2	cg06047828	-0.0357347399938003	380	-0.6896671884575	0.490833490077598	0.00127697164242451	0.676601700678693
LIHC	JARID2	cg14862454	0.0467112373802318	380	0.901918222729427	0.367683891005513	0.00218193969759237	0.566586800334723
LIHC	JARID2	cg15109221	0.0202054945519508	380	0.389789041976021	0.696915615213696	0.000408262010088912	0.826191873999401
LIHC	JARID2	cg21397480	-0.0173380726729351	380	-0.334454909269921	0.738224795042051	0.000300608764011979	0.852575114392834
LIHC	JARID2	cg21901688	-0.310948090448245	376	-6.27614668829882	9.76721952960235e-10	0.0966887149534097	3.23883664145731e-08
LIHC	JARID2	cg25338254	-0.10814087750064	380	-2.0980495558364	0.0365748310248549	0.0116944493866084	0.114628548145942
LIHC	JMJD6	cg02318866	-0.0498987325312549	380	-0.963612288741063	0.335866313598393	0.00248988350822572	0.535450621965969
LIHC	JMJD6	cg04510639	-0.0984776760155078	380	-1.90864606224477	0.0570771128240912	0.00969785267341533	0.158779077955922
LIHC	JMJD6	cg07312083	-0.157905530571714	380	-3.08426609334488	0.00219304107448334	0.0249341565851346	0.0127928492312805
LIHC	JMJD6	cg08857478	0.0330668683543785	380	0.638119621425665	0.523788427898306	0.0010934177827658	0.702995606819375
LIHC	JMJD6	cg10712116	0.141477632313932	380	2.75644761204603	0.00613108969898476	0.0200159204451563	0.0291826965273385
LIHC	JMJD6	cg12504415	-0.097595397857483	380	-1.89138098851689	0.0593501159654891	0.0095248616829604	0.163361388437861
LIHC	JMJD6	cg15457598	0.0439857845415401	380	0.849188970718545	0.396322291196077	0.00193474924173479	0.592985892335656
LIHC	JMJD6	cg21102709	-0.131200641695563	380	-2.55257118269906	0.0110917808605456	0.0172136083813274	0.046229520507114
LIHC	JMJD6	cg21807925	-0.199913893124759	380	-3.93523834332686	9.91864341908747e-05	0.0399655646642977	0.000957096187229584
LIHC	JMJD6	cg23630158	-0.20656757700759	380	-4.07195367101392	5.69880287467942e-05	0.0426701638707865	0.00059435939245584
LIHC	JMJD6	cg25004679	-0.0443543152659263	380	-0.85631778627023	0.392373279124183	0.00196730528270919	0.589366313656285
LIHC	JMJD6	cg25908504	-0.117512402888035	380	-2.28231032832168	0.023034941132788	0.0138091648325199	0.0810117635842727
LIHC	JMJD6	cg26612088	-0.0717648189089982	380	-1.38772784444609	0.166050585614803	0.00515018923304131	0.338337859953888
LIHC	JMJD8	cg00873473	-0.123675093047917	380	-2.40381344939929	0.0167135246964456	0.015295528640411	0.0634002311407883
LIHC	JMJD8	cg02851105	-0.102278650701601	380	-1.98307886145421	0.0480936468709551	0.0104609223893402	0.140229077437146
LIHC	JMJD8	cg03899598	-0.11149475528926	380	-2.16392498742937	0.0311060284650579	0.012431080457012	0.101393714003633
LIHC	JMJD8	cg05787952	0.0519512210505191	380	1.00335377013147	0.316342398095466	0.0026989293686399	0.515609807819956
LIHC	JMJD8	cg06191810	-0.11203955695641	380	-2.1746327544545	0.0302872074127046	0.0125528623229886	0.0993909986275181
LIHC	JMJD8	cg06646636	-0.048258476121337	380	-0.931861509503128	0.352012480819787	0.00232888051755365	0.550884307642216
LIHC	JMJD8	cg08398290	-0.111517237373485	380	-2.16436682086079	0.0310718679974369	0.0124360942314141	0.101303587401727
LIHC	JMJD8	cg26750188	-0.0212248527167903	380	-0.409462374745977	0.682436036798146	0.000450494372849442	0.816936402404748
LIHC	JMJD8	cg27579097	0.00935052277404017	380	0.180354236694167	0.856972688128947	8.74322761478438e-05	0.923882113363405
LIHC	KAT2B	cg00770008	-0.013721116889389	380	-0.264668234255164	0.791411631350539	0.000188269048692275	0.88553867600552
LIHC	KAT2B	cg04371528	-0.0207229386260487	380	-0.399775414734046	0.689551382138537	0.000429440185298981	0.821535166351466
LIHC	KAT2B	cg05072819	-0.110060169837847	380	-2.13573844982316	0.0333532054170864	0.0121132409847358	0.106807692018969

LIHC	KAT2B	cg12062464	0.0280417612203818	380	0.541062675413798	0.588788231511422	0.000786340372340908	0.752244895421244
LIHC	KAT2B	cg14937543	-4.34098900890072e-05	375	-0.0008361335336922	0.999333311442546	1.88441855753968e-09	0.999676909126047
LIHC	KAT2B	cg18053505	-0.149311253435813	375	-2.90854188743026	0.00384973873616985	0.0222938504025735	0.0201403211325889
LIHC	KAT5	cg00582417	-0.206676357340925	380	-4.07419365419478	5.64656564205901e-05	0.0427151166837137	0.000589684923207591
LIHC	KAT5	cg02561205	-0.203802336305306	380	-4.015065068067	7.19030046466413e-05	0.0415353922835011	0.000725314100555085
LIHC	KAT5	cg05785768	-0.293283150368561	380	-5.91682943488107	7.45051627866626e-09	0.0860150062901079	2.09345451414398e-07
LIHC	KAT5	cg07564927	-0.202054464817786	380	-3.97915836686461	8.31519274049971e-05	0.040826006752802	0.000820268879858561
LIHC	KAT5	cg14726348	-0.270151162698621	380	-5.41170538791585	1.12079434763168e-07	0.0729816507074168	2.40992469540241e-06
LIHC	KAT5	cg18896539	0.104448646092649	380	2.02561205900515	0.0435180181959105	0.0109095196705874	0.130284080155814
LIHC	KAT5	cg20108992	-0.00844927494527376	380	-0.162969530833021	0.870630918225704	7.13902471008308e-05	0.931314701305609
LIHC	KAT5	cg20423942	-0.155589561210016	380	-3.03789895268353	0.00255052289402076	0.0242081115575252	0.0144728116614275
LIHC	KAT5	cg22048492	0.118262783277703	380	2.29709017330111	0.0221683794683876	0.013986085908589	0.0786754978268131
LIHC	KAT6A	cg10163397	0.0264289360173231	380	0.509920975989548	0.610409219082153	0.000698488659007759	0.76766424374013
LIHC	KAT6A	cg12468056	0.0157299023926251	380	0.30342491086722	0.761735688228749	0.000247429829281514	0.867582187166996
LIHC	KAT6A	cg15251374	-0.421418801834801	376	-8.91445159625248	2.31538743651757e-17	0.177593806539879	2.38890252302981e-15
LIHC	KAT6A	cg20966972	0.309229368983569	380	6.27158629393299	9.92560551310927e-10	0.095622802641976	3.28575555441201e-08
LIHC	KAT6B	cg04396765	-0.0103293649391219	380	-0.199236205226166	0.842186832584649	0.00010669578004556	0.915566814810392
LIHC	KAT6B	cg06972998	-0.173232398188542	376	-3.38334458013722	0.000792664416503602	0.0300094637821536	0.00552599118357211
LIHC	KAT6B	cg09631472	-0.0982710504128277	380	-1.9046022531341	0.0576028671645491	0.00965719934924053	0.159813033102672
LIHC	KAT6B	cg10359932	-0.052265653877723	380	-1.00944311561243	0.313418297365111	0.00273169857526594	0.512475839696102
LIHC	KAT6B	cg10739686	-0.117120735351851	380	-2.27459743659617	0.0234987788408873	0.0137172666493583	0.0822711071623757
LIHC	KAT6B	cg11128436	-0.140066044654471	380	-2.72839208038905	0.00666634946462793	0.0196184968651483	0.0311694723763387
LIHC	KAT6B	cg11348552	-0.127051683914617	380	-2.47050486537504	0.0139398436696193	0.0161421303855397	0.0551847844096667
LIHC	KAT6B	cg15874302	-0.0170124786013604	380	-0.328172298397401	0.742966026978652	0.000289424428161746	0.855513806101587
LIHC	KAT6B	cg15912797	0.102232341913239	380	1.98217149577915	0.0481955208580421	0.0104514517330654	0.140430284718733
LIHC	KAT6B	cg17147776	-0.00683513406106358	380	-0.131834371203692	0.895186572818439	4.67190576327115e-05	0.94436277674949
LIHC	KAT6B	cg18462764	-0.0230708489208272	380	-0.445092888746735	0.656511504065527	0.000532264069927632	0.799822346680347
LIHC	KAT6B	cg18491775	0.02161116855668	380	0.416918494915803	0.676978503701717	0.000467042606385235	0.813427685305729
LIHC	KAT6B	cg24671245	0.0348085213306391	380	0.671769538911254	0.502147387972887	0.00121163315722556	0.685851675824969
LIHC	KAT6B	cg26605858	0.0314770466624913	380	0.607408275990581	0.543950582153775	0.000990804466592655	0.718191558040709
LIHC	KDM1A	cg00062312	0.0242440427588227	380	0.467739645516307	0.640244680499863	0.000587773609291624	0.788600115182419
LIHC	KDM1A	cg00541565	-0.00117108631620711	375	-0.0225567309280724	0.98201598554434	1.37144316000754e-06	0.990643844758107
LIHC	KDM1A	cg04886391	-0.0515587634665389	380	-0.995753807028846	0.32001703629619	0.0026583060901985	0.519411753007005
LIHC	KDM1A	cg06958034	0.140460618473504	380	2.73623258169923	0.00651266947226458	0.0197291853419592	0.0306001454928641
LIHC	KDM1A	cg07118078	-0.0339442889729878	380	-0.655071236514865	0.512826746228907	0.0011522147538817	0.694640966193445
LIHC	KDM1A	cg07785945	0.0121216600756175	375	0.233496816975688	0.815504421533828	0.000146934642988819	0.900682183636478
LIHC	KDM1A	cg10499166	0.0228048752840409	380	0.439958923685584	0.660222358036858	0.000520062336720661	0.802344183624522
LIHC	KDM1A	cg12578844	-0.0581962561824367	380	-1.12435433930064	0.26158771727477	0.0033868042336518	0.456963485003782
LIHC	KDM1A	cg22683154	-0.200365572697164	380	-3.94450094582043	9.55784131135719e-05	0.0401463627222627	0.000926797177835824
LIHC	KDM1A	cg26662347	0.00599624947317124	380	0.115653550770949	0.907989524514868	3.59550077445063e-05	0.951187528717761
LIHC	KDM1B	cg11007366	0.00473757193416983	380	0.0913760038305573	0.927243011708473	2.24445878314336e-05	0.96156794930281
LIHC	KDM1B	cg15124342	-0.234318398240017	380	-4.64879240356511	4.64409153306775e-06	0.0549051117537671	6.67065097347623e-05
LIHC	KDM1B	cg20677365	-0.0869324191733755	376	-1.67399031896304	0.0949821655768768	0.00755724550333546	0.229523268688459
LIHC	KDM1B	cg22406543	0.223689085692073	380	4.42652452802772	1.26011553877401e-05	0.0500368070577558	0.000160493497418772
LIHC	KDM1B	cg23073439	-0.245294993108677	380	-4.880175237657	1.57519274513486e-06	0.0601696336441856	2.55612316259952e-05
LIHC	KDM1B	cg23860886	0.0179934270512203	380	0.347100846777595	0.728711836348288	0.000323763417047587	0.846589092679946
LIHC	KDM1B	cg24342628	0.0880275215303189	380	1.70442987358428	0.0891357871964419	0.00774884454677076	0.21931965174305
LIHC	KDM2A	cg05038268	-0.134110312988783	380	-2.61020557315442	0.0094143754396838	0.0179855760499492	0.0406505210851741
LIHC	KDM2A	cg05295919	-0.219299616292222	380	-4.3352278379306	1.87687462463665e-05	0.0480923217059157	0.000226758168269893
LIHC	KDM2A	cg06320126	-0.0571237470223719	380	-1.10356493790322	0.270495263033811	0.00326312247387595	0.466635070239546
LIHC	KDM2A	cg07283932	-0.184187459126126	380	-3.61431590988304	0.000342576741593199	0.0339250200993384	0.00273113496981977
LIHC	KDM2A	cg08836144	-0.171027544958464	375	-3.32541221979342	0.000971957248321388	0.0295204211345195	0.00655731872135236
LIHC	KDM2A	cg09993857	-0.0367606011050158	380	-0.709492343031778	0.47846345061867	0.00135134179360209	0.666003179169568
LIHC	KDM2A	cg11637544	0.247416636791879	380	4.92512544170649	1.27049022905475e-06	0.0612149921614045	2.11550763867906e-05
LIHC	KDM2A	cg16004548	-0.160401756255492	380	-3.13430055512713	0.00185943384121295	0.0257287234098463	0.0112049421501512
LIHC	KDM2A	cg18132081	0.0243877742841139	380	0.470514299253045	0.638263368848972	0.000594763534532887	0.787302830283069
LIHC	KDM2A	cg21293464	-0.131766514391279	380	-2.56377460724868	0.0107462284428568	0.0173624143148271	0.0450985647884557

LIHC	KDM2A	cg21711868	-0.178029727615445	380	-3.48945672556475	0.000542026525760798	0.0316945839148295	0.00401546629321355
LIHC	KDM2A	cg25597833	-0.153959233205395	380	-3.00528961792831	0.00283317503862559	0.0237034454891931	0.01572292901661
LIHC	KDM2B	cg03486832	-0.0315618028178872	380	-0.609045432620127	0.542866078430592	0.000996147397115194	0.717372578655163
LIHC	KDM2B	cg05067991	-0.0441656046253633	379	-0.851520516473171	0.395029562194365	0.00195060063192391	0.591631672212254
LIHC	KDM2B	cg07020001	-0.0116291922417355	380	-0.224310905428036	0.822638539705253	0.000135238112195241	0.904636846198569
LIHC	KDM2B	cg07529210	-0.00358465654452836	380	-0.0691387958370601	0.944916289110038	1.284976254223e-05	0.970528746584099
LIHC	KDM2B	cg07793808	-0.00543901623475977	380	-0.104905497818564	0.916507335850659	2.95828976019804e-05	0.955914237358865
LIHC	KDM2B	cg09151742	-0.0291729582004845	380	-0.562907226418818	0.573837150429754	0.000851061490167218	0.741115419283345
LIHC	KDM2B	cg12251659	0.000104049075194945	380	0.00200682589723185	0.998399861400136	1.08262100489234e-08	0.999119077127816
LIHC	KDM2B	cg12888660	-0.0701334885795368	380	-1.35602479584028	0.175913812682124	0.00491870622033602	0.35172357562875
LIHC	KDM2B	cg15234492	-0.00809334090211639	380	-0.15610381895227	0.876035865353692	6.55021669578701e-05	0.934385407882598
LIHC	KDM2B	cg15316703	0.0632953557267984	379	1.22160416444722	0.222633015080815	0.00400630205658195	0.411301925365051
LIHC	KDM2B	cg16837338	-0.0105102344314582	379	-0.202452594330885	0.839673889771445	0.00011046502780421	0.914178844724627
LIHC	KDM2B	cg17452615	-0.0153406561121802	380	-0.295914681678342	0.767460354095993	0.000235335729952173	0.871163449049525
LIHC	KDM2B	cg20055546	0.0237501302367699	380	0.45820517088614	0.647072592337612	0.000564068686263533	0.793104856598585
LIHC	KDM2B	cg21249371	-0.00189577735146383	380	-0.0365644951021753	0.970851866213107	3.5939717663232e-06	0.984571113025452
LIHC	KDM2B	cg21781916	-0.00834803212787636	380	-0.161016623458625	0.872167714622382	6.96896404080559e-05	0.932227957342936
LIHC	KDM2B	cg26218726	-0.0248519624252584	380	-0.479475382379897	0.631882233061403	0.000617620036386455	0.782961095181478
LIHC	KDM2B	cg26509318	-0.0796496789684653	380	-1.54112365154247	0.124136879111785	0.00634407135977958	0.277136669162091
LIHC	KDM3A	cg01744130	-0.170879899147595	380	-3.34501101102026	0.000906532504784639	0.0291999399326922	0.00619078243025288
LIHC	KDM3A	cg02152982	-0.124491313866043	380	-2.41992685012376	0.0160021609039287	0.0154980872280937	0.0612935551629851
LIHC	KDM3A	cg02972551	0.0703035966579862	380	1.35933013768878	0.174865441909826	0.00494259570304882	0.350339366349919
LIHC	KDM3A	cg03037033	-0.0227135908398853	380	-0.438196924234525	0.661497881834941	0.000515907208841723	0.803050694173131
LIHC	KDM3A	cg04793821	-0.0938194472899631	380	-1.81754072588453	0.0699386952777298	0.00880208868979416	0.184270132636685
LIHC	KDM3A	cg07052513	-0.0397592835787399	380	-0.767456128164137	0.443297196888826	0.00158080063069466	0.635484956507072
LIHC	KDM3A	cg07211384	-0.0799893430724879	379	-1.5435717728707	0.123546928838623	0.00639829500516817	0.276295342438677
LIHC	KDM3A	cg12888358	-0.0679391536862127	380	-1.31339759153961	0.189858505917316	0.00461572860359883	0.369921421828129
LIHC	KDM3A	cg18611949	-0.0456593013358283	380	-0.881564121596696	0.378581801700097	0.00208477179847598	0.577168070485865
LIHC	KDM3A	cg19139691	-0.012852970433409	379	-0.247586145558611	0.804591595052404	0.000165198848962086	0.89373281712421
LIHC	KDM3A	cg20191795	0.0290602505188309	380	0.560730632063368	0.575318747337186	0.000844498160217209	0.742264899254507
LIHC	KDM3A	cg20918903	-0.0174972824207682	380	-0.337527033596169	0.735910008615958	0.000306154892112125	0.851051497870785
LIHC	KDM3A	cg22404242	0.103679420702135	380	2.01053147137058	0.0450962239732261	0.0107494222771302	0.13380427821475
LIHC	KDM3A	cg24749656	-0.0283351460472449	380	-0.546728028190928	0.584893381850049	0.0008028805015187	0.74944733002228
LIHC	KDM3B	cg00435490	-0.0214628726011434	380	-0.414056274897763	0.679071521691834	0.000460654900292914	0.814782010724367
LIHC	KDM3B	cg03315484	-0.0335920967359728	380	-0.648266763240386	0.51721236235965	0.00112842896311896	0.698178353590259
LIHC	KDM3B	cg05191700	-0.0954265904934455	380	-1.84895920484298	0.0652569317836899	0.00910623417320375	0.175127561445438
LIHC	KDM3B	cg05708550	-0.0330602749973805	380	-0.637992244545733	0.523871249885728	0.00109298178290242	0.703087368768479
LIHC	KDM3B	cg05722427	-0.0549161111643351	380	-1.06078434795335	0.289476135673013	0.00301577926541361	0.48698195399404
LIHC	KDM3B	cg15001364	0.0546071919462666	380	1.05479922735547	0.292201738384721	0.00298194541225641	0.48992504064617
LIHC	KDM3B	cg18682923	-0.0390763209833611	380	-0.75425286171684	0.451174578336393	0.00152695886159467	0.641798477675201
LIHC	KDM3B	cg19076659	-0.145996139723172	380	-2.84636996754785	0.00466712655300953	0.0213148728140679	0.0234726172139141
LIHC	KDM3B	cg24137987	-0.0440917257355631	380	-0.851238249175441	0.395184632031773	0.00194408027834012	0.591837390784094
LIHC	KDM4A	cg00154982	0.0721228561816472	380	1.3946873803735	0.16394238228934	0.00520170638379857	0.335201158742035
LIHC	KDM4A	cg00979347	0.147077121154365	380	2.86790921595724	0.00436737167318409	0.0216316795670558	0.0222790368487661
LIHC	KDM4A	cg03587511	0.0438370479848431	380	0.846311926578158	0.397922831325571	0.00192168677602544	0.594541816124252
LIHC	KDM4A	cg08552254	-0.278974664699167	380	-5.60312099517481	4.103140117099e-08	0.0778268635440125	9.7883987203189e-07
LIHC	KDM4A	cg10958452	-0.148310580012199	377	-2.88081259522488	0.00419819564715466	0.0219960281435548	0.0215773277071056
LIHC	KDM4A	cg10968649	0.114727360359075	380	2.22748926649846	0.026512242633782	0.013162367214961	0.0900376916860539
LIHC	KDM4A	cg12293275	0.0997683780703413	380	1.93391167748095	0.0538822133188768	0.00995372926278656	0.152398214976503
LIHC	KDM4A	cg17737314	-0.0948487276587785	376	-1.82775414162806	0.0683960083278857	0.00899628113848914	0.181275520300475
LIHC	KDM4A	cg19743044	-0.0515340719461824	380	-0.995275669857565	0.320249152489723	0.00265576057135431	0.519658390738507
LIHC	KDM4A	cg20873046	0.054163339106102	380	1.04620038186018	0.296147830356308	0.00293366730312259	0.494113248289337
LIHC	KDM4A	cg21451504	-0.278645837305267	380	-5.59596028677638	4.26243697292679e-08	0.0776435026475533	1.01435308006077e-06
LIHC	KDM4A	cg22094309	-0.172012360425383	380	-3.3678528100122	0.000836709084995341	0.0295882521391117	0.0057833551918903
LIHC	KDM4A	cg24324755	0.0656241303119479	380	1.26844663490738	0.205431700182821	0.00430652647919952	0.389675063006495
LIHC	KDM4A	cg24505556	-0.0713829683932157	380	-1.38030602034744	0.168321316015805	0.00509552817662683	0.341408678576772
LIHC	KDM4A	cg25841161	0.0793060372419699	380	1.5344324301142	0.125773328398797	0.00628944754302471	0.279594522344793

LIHC	KDM4B	cg01098771	-0.0356180739412874	380	-0.687412712224999	0.49225103245242	0.00126864719128701	0.677785037232581
LIHC	KDM4B	cg12072803	-0.0102150152201789	380	-0.197030358589142	0.84391138523322	0.000104346535948488	0.916634971414561
LIHC	KDM4B	cg18115693	-0.0267196878519802	380	-0.515534739912232	0.606485635806478	0.000713941718907257	0.764868988440125
LIHC	KDM4C	cg00121158	0.0231475037765834	380	0.446572539181192	0.655443578067383	0.000535806931086944	0.799084817300086
LIHC	KDM4C	cg00667760	0.203790767643477	380	4.01482728064827	7.19725031385344e-05	0.0415306769767178	0.000725921030618325
LIHC	KDM4C	cg05545111	0.00862977356067684	380	0.166451242907654	0.867892283457006	7.4472991708557e-05	0.929842755219654
LIHC	KDM4C	cg14196303	-0.104805308294355	380	-2.03260563160691	0.0428021802078242	0.0109841526466747	0.128680071545394
LIHC	KDM4C	cg14473811	0.0211446625126281	380	0.407914680320998	0.683570981600024	0.000447096752772939	0.817755236712911
LIHC	KDM4C	cg14497348	0.128257446793233	380	2.49434104247306	0.0130523231761619	0.0164499726579191	0.0524859107394984
LIHC	KDM4E	cg15555590	0.117636668194764	380	2.28475764163227	0.0228894428005635	0.013838385703965	0.0806312856922222
LIHC	KDM4E	cg19409026	0.0764506670248621	380	1.47885513542814	0.140025283992249	0.00584470448854633	0.301376578008107
LIHC	KDM5B	cg00528052	-0.195270700644358	380	-3.84017053147464	0.000144484998211429	0.0381306465301386	0.00131848280948503
LIHC	KDM5B	cg00571448	-0.191602317001389	380	-3.76525181889467	0.000193310463460259	0.0367114478803007	0.0016872427010465
LIHC	KDM5B	cg02624558	-0.148744345808567	380	-2.90115035892042	0.00393902492551701	0.0221248804100184	0.0205177438939183
LIHC	KDM5B	cg04504182	-0.169066097268874	380	-3.30845494615011	0.00102965180344771	0.0285833452457282	0.00687928690168156
LIHC	KDM5B	cg08915090	-0.149010429898066	380	-2.9064578792364	0.00387429321560975	0.0222041082184064	0.0202429153344848
LIHC	KDM5B	cg09889216	-0.134862554374396	380	-2.62511699125414	0.00901915565574874	0.0181879085723868	0.0394133353040848
LIHC	KDM5B	cg11171004	-0.118274148502849	380	-2.29731405873357	0.0221554746695228	0.0139887742040741	0.0786476384412893
LIHC	KDM5B	cg11221497	-0.165454066185747	375	-3.23140725856194	0.00134195372561395	0.0273750480173974	0.00857179966585198
LIHC	KDM5B	cg13134514	-0.13946200785911	380	-2.71639194713656	0.00690790654403482	0.0194496516360946	0.0320759648167194
LIHC	KDM5B	cg13253785	-0.273098936107365	380	-5.47548695198201	8.04352076868982e-08	0.0745830289029749	1.78629076414346e-06
LIHC	KDM5B	cg13993945	-0.170334694818041	380	-3.33401908923609	0.000942031445158851	0.0290139082587551	0.00638699618656856
LIHC	KDM5B	cg14560895	-0.219495073509587	380	-4.33928722328486	1.84418567909397e-05	0.0481780872949791	0.000223468194267035
LIHC	KDM5B	cg21105875	0.00365377065906024	375	0.0698056563829861	0.944386572974025	1.33500400290095e-05	0.97025368539278
LIHC	KDM5B	cg24354901	-0.158500077694099	380	-3.09617768079257	0.00210896691967379	0.0251222746290353	0.0124028554996298
LIHC	KDM5B	cg27531483	-0.160801736463127	380	-3.14232348617968	0.00181051740885856	0.0258571984495571	0.0109608864828594
LIHC	KDM5C	cg01859586	-0.0288325837444869	380	-0.556334029631926	0.578317016509604	0.00083131788538285	0.744601942740904
LIHC	KDM5C	cg04927657	0.0328289146379086	380	0.633522652894745	0.526781695314691	0.00107773763630309	0.705440597764082
LIHC	KDM5C	cg04927982	-0.225227900123785	380	-4.45859713192598	1.09377379889051e-05	0.0507276069941697	0.000141725550530569
LIHC	KDM5C	cg09554224	0.0390913251982204	380	0.754542916887657	0.451000674452197	0.00152813170575302	0.641703435597972
LIHC	KDM5C	cg12234996	-0.241974125921583	380	-4.80996715297608	2.1966892246377e-06	0.0585514776155142	3.430133310748e-05
LIHC	KDM5C	cg16417926	-0.044286943921306	380	-0.855014536722989	0.393093420130167	0.0019613334018889	0.589920705382271
LIHC	KDM5C	cg16824069	-0.196729956924963	380	-3.87001902590708	0.000128493805654209	0.0387026759516978	0.00119427086225371
LIHC	KDM5C	cg19903753	-0.18862311780256	380	-3.70452890652295	0.000243910737130297	0.0355786805695585	0.00205066377221597
LIHC	KDM5C	cg24985300	-0.0206769711554794	380	-0.39888825612442	0.690204416792734	0.000427537136164527	0.821973308022809
LIHC	KDM5C	cg27526317	-0.0900596976251087	380	-1.744095905467	0.081968351850626	0.00811074913632602	0.206531043364133
LIHC	KDM6A	cg00751785	-0.396125534504444	380	-8.32087005887695	1.67704472102426e-15	0.156915439086431	1.38939315258105e-13
LIHC	KDM6A	cg03267667	0.040726085116822	380	0.786148512487455	0.432280960831261	0.00165861400894263	0.626064794275613
LIHC	KDM6A	cg03478540	0.100653376949334	380	1.95124130491541	0.0517786219193073	0.0101311022913047	0.148025360634668
LIHC	KDM6A	cg06877198	0.00316561553337765	380	0.0610564872229481	0.951347011661101	1.00211217051619e-05	0.974229631438141
LIHC	KDM6A	cg07167981	-0.27771435565574	380	-5.57568745155392	4.74677568877834e-08	0.0771252633372828	1.11629585227576e-06
LIHC	KDM6A	cg11895950	-0.152905749229241	380	-2.98423153617091	0.00303067012220715	0.0233801681473555	0.0165975326636384
LIHC	KDM6A	cg14384228	-0.124978421665969	380	-2.42954545063929	0.0155903829655842	0.0156196058821167	0.0601522003261992
LIHC	KDM6A	cg15923127	0.080514757299969	380	1.55797048184206	0.120090555855494	0.00648262614307291	0.2708705335524
LIHC	KDM6A	cg17824914	-0.293282135837009	380	-5.91680704105926	7.45144297717647e-09	0.0860144112011178	2.09345451414398e-07
LIHC	KDM6A	cg20211377	-0.00133479001345336	380	-0.0257445203920684	0.979474917928464	1.78166438001483e-06	0.98943361033264
LIHC	KDM6A	cg22133177	0.0638834527808813	380	1.23466137729188	0.217735866894123	0.00408109553920709	0.405286501152353
LIHC	KDM6A	cg27306636	-0.0438510208458241	375	-0.845443559278199	0.398408147551724	0.0019229120292209	0.59501552017967
LIHC	KDM6B	cg01046511	0.10729149301666	380	2.08137790676343	0.0380827250135993	0.011511464473744	0.118074509174921
LIHC	KDM6B	cg02308232	0.129066322880258	380	2.51033764114083	0.0124851960362378	0.0166581157018309	0.0507033647965668
LIHC	KDM6B	cg24893073	-0.093470141700758	380	-1.81071396130651	0.0709917499432707	0.00873666738955978	0.186255723296252
LIHC	KDM8	cg00636124	0.148535307867104	380	2.8969811775169	0.0039905631028108	0.0220627376831754	0.0207071682243906
LIHC	KDM8	cg01755539	-0.00555966775929724	380	-0.107232645723914	0.914662224803657	3.09099055937692e-05	0.954910976135513
LIHC	KDM8	cg06329197	0.144522427816769	380	2.81702207802196	0.00510566199620132	0.0208867321420532	0.0251992050077709
LIHC	KDM8	cg08572679	-0.0198789205015115	380	-0.383486512597831	0.701578134776933	0.000395171480305416	0.82904575846212
LIHC	KDM8	cg09140090	-0.0379061609831047	380	-0.731633378977718	0.46485300219119	0.00143687704047705	0.654075338666
LIHC	KDM8	cg10214171	0.0537066902810514	380	1.037354286384	0.300244590700104	0.00288440858094478	0.498542777932677

LIHC	KDM8	cg10221365	-0.137594680992037	380	-2.6793140779483	0.00770495173721194	0.0189322962373004	0.0349300125550504
LIHC	KDM8	cg16752029	0.379272799040387	380	7.90583402348207	3.05663965469504e-14	0.143847856091929	2.15778788836067e-12
LIHC	KDM8	cg24206694	-0.022576839840742	380	-0.435557336340867	0.663410544554127	0.000509713697194514	0.804347675499022
LIHC	KDM8	cg24705286	0.0971636447964458	380	1.88293376754651	0.060489406669462	0.00944077387012988	0.165613160870695
LIHC	KIAA2026	cg03495688	0.157190201197113	380	3.06993922495376	0.00229824474694805	0.024708759352389	0.0133077522771921
LIHC	KIAA2026	cg25608569	-0.32613441860814	380	-6.6540750305658	1.02242015624575e-10	0.10636365900087	4.08936522544893e-09
LIHC	KMT2B	cg09284703	-0.1138282382063	380	-2.2098022857525	0.0277272981143374	0.0129568678131501	0.0931033075581303
LIHC	KMT2B	cg13830730	0.0471401030856985	380	0.910217282023388	0.363297315131635	0.00222218931893028	0.56225582567442
LIHC	KMT2B	cg15496871	-0.00011774612747305	380	-0.0022710050793618	0.998189219001663	1.38641505349018e-08	0.999023943483325
LIHC	KMT2B	cg24471867	0.0139969172678202	380	0.269989212310041	0.787318264990985	0.000195913693002204	0.882830027649138
LIHC	L3MBTL1	cg01071811	-0.284427320302039	380	-5.72217501563723	2.16599205959609e-08	0.0808989005341986	5.54280218040192e-07
LIHC	L3MBTL1	cg01877937	-0.0779112068603318	380	-1.50727861037272	0.132587981974256	0.00607015615443342	0.290070062337784
LIHC	L3MBTL1	cg02177317	-0.128851007636391	380	-2.50607900003476	0.0126339968151786	0.0166025821689134	0.0512060616984477
LIHC	L3MBTL1	cg02472486	-0.0405141464330475	380	-0.782050649177311	0.434682293894478	0.00164139606119842	0.628077161426951
LIHC	L3MBTL1	cg02611863	-0.333307958244526	380	-6.81850686358217	3.73126941327562e-11	0.111094195029135	1.59661920568402e-09
LIHC	L3MBTL1	cg03486259	-0.158718344952595	380	-3.10055147123624	0.00207884822718717	0.025191513024491	0.0122721140526482
LIHC	L3MBTL1	cg04984575	-0.114880861743588	380	-2.23050940488594	0.026309449466247	0.0131976123949493	0.0895170272820685
LIHC	L3MBTL1	cg06362543	0.0508248005008794	380	0.981541811751254	0.326963546885831	0.00258316034595419	0.526479460319921
LIHC	L3MBTL1	cg06446163	-0.157468380225077	380	-3.07551010228199	0.00225679761674414	0.0247962907707096	0.0131058012688111
LIHC	L3MBTL1	cg06908806	-0.0933634518229433	380	-1.80862896843685	0.0713159580090557	0.00871673413629505	0.186894176767946
LIHC	L3MBTL1	cg07678583	-0.363256288044747	380	-7.51992524801158	4.14645894779244e-13	0.131955130804048	2.47559192160065e-11
LIHC	L3MBTL1	cg08369943	-0.0154591507874629	380	-0.298200937467501	0.765716292178975	0.000238985343069516	0.870077753440124
LIHC	L3MBTL1	cg08633313	-0.111193286503097	380	-2.15800063957488	0.0315672062708253	0.0123639469633597	0.102530470268561
LIHC	L3MBTL1	cg09541000	-0.00318056693437087	380	-0.0613448637573597	0.951117506423078	1.01160060240133e-05	0.974102246315845
LIHC	L3MBTL1	cg10360552	-0.205510006558594	380	-4.05018459413236	6.23097546359155e-05	0.0422343627957132	0.000643519084794663
LIHC	L3MBTL1	cg12699433	0.0992532924581778	380	1.9238276528766	0.0551389225953764	0.00985121606378858	0.15492189195264
LIHC	L3MBTL1	cg14306330	0.0853744875622739	379	1.65045468417018	0.0996962370949781	0.00728880312652086	0.237753872308229
LIHC	L3MBTL1	cg15123011	-0.147037312160634	380	-2.86711581047142	0.00437809482267971	0.0216199711674237	0.0223163436043955
LIHC	L3MBTL1	cg15302378	-0.311087373593174	380	-6.31329327769155	7.78526409586045e-10	0.0967753540090992	2.62981691304111e-08
LIHC	L3MBTL1	cg15330298	-0.273634832719098	380	-5.48710008493478	7.56952239182818e-08	0.0748760216772086	1.69067879687017e-06
LIHC	L3MBTL1	cg15388309	-0.213578730303607	380	-4.21665303401378	3.11703326587398e-05	0.045615874038101	0.000352253380394626
LIHC	L3MBTL1	cg16862791	-0.228864273524235	380	-4.53452814466081	7.7969562010089e-06	0.0523788556957758	0.000105177113005252
LIHC	L3MBTL1	cg17091610	-0.222045803121131	380	-4.39231302264333	1.46417589914251e-05	0.049304338683708	0.000182538621631238
LIHC	L3MBTL1	cg17774347	-0.156637581851017	380	-3.05887456377093	0.00238264863597256	0.0245353320481342	0.0136925292152508
LIHC	L3MBTL1	cg18911945	-0.19098321791735	380	-3.75262433251675	0.000202938403330991	0.0364745895260661	0.00175764554968536
LIHC	L3MBTL1	cg20091959	-0.223174853129474	380	-4.41581446407675	1.32087164528051e-05	0.0498070150693621	0.000166784432353437
LIHC	L3MBTL1	cg20252111	-0.21583936811396	380	-4.2634533223199	2.554974722693e-05	0.0465866328278334	0.00029670354318134
LIHC	L3MBTL1	cg20529070	-0.208385016294979	380	-4.10939879731987	4.88306486526231e-05	0.0434243150162585	0.000519378107913886
LIHC	L3MBTL1	cg22330467	-0.132476388092375	380	-2.5778326424685	0.0103262423885882	0.0175499934020016	0.0436942997213943
LIHC	L3MBTL1	cg22457903	-0.23905718264003	380	-4.7484468477406	2.93044478968071e-06	0.0571483365717887	4.42147055796008e-05
LIHC	L3MBTL1	cg22601123	0.0130349405187299	380	0.251430189224082	0.801620363503279	0.000169909674326826	0.891739183898286
LIHC	L3MBTL1	cg23626798	-0.163657323565568	380	-3.19964820944191	0.00149410534093423	0.0267837195566449	0.00937282726333664
LIHC	L3MBTL1	cg24343973	-0.343136220913563	380	-7.04596280148526	8.98141415272722e-12	0.117742466102842	4.30621474342901e-10
LIHC	L3MBTL2	cg02358112	-0.0903681539651527	380	-1.75011856983488	0.0809223040378753	0.00816640325106955	0.204609965774847
LIHC	L3MBTL2	cg06235991	-0.00431538081292327	380	-0.0832328259267835	0.933711181095273	1.86225115605463e-05	0.964713358595979
LIHC	L3MBTL2	cg08053598	-0.106050685789234	380	-2.05703172034264	0.0403799269339346	0.0112467479563669	0.123246862676495
LIHC	L3MBTL2	cg09993119	0.0350886340612473	380	0.677182070956434	0.498711339738371	0.00123121224028412	0.682945183136298
LIHC	L3MBTL2	cg12821546	-0.0186074651893234	380	-0.358949938057552	0.719836181238254	0.000346237760771884	0.841064806525115
LIHC	L3MBTL2	cg13843727	-0.105094329998739	380	-2.03827346431138	0.0422293963865768	0.0110448181978839	0.127382460740495
LIHC	L3MBTL2	cg14679202	-0.107844589900193	380	-2.09223352105343	0.037094966469763	0.0116304555707407	0.115815139123841
LIHC	L3MBTL2	cg15283028	-0.217897992132406	380	-4.30613400395519	2.12790948185286e-05	0.0474795349753339	0.000252653525993989
LIHC	L3MBTL2	cg19467356	-0.0693327017416319	380	-1.34046643184829	0.180911804868198	0.00480702353079408	0.358113306562763
LIHC	L3MBTL2	cg24240981	-0.135956162287153	380	-2.64680345229232	0.00847089863816317	0.0184840780638506	0.0375468684779936
LIHC	L3MBTL2	cg26947834	0.0536294179224538	380	1.0358574488401	0.300941533186007	0.00287611446670121	0.499289509893187
LIHC	L3MBTL2	cg27177954	-0.0679241008422295	379	-1.31133912736778	0.190554200660681	0.00461368347522537	0.370840383404139
LIHC	L3MBTL3	cg03454037	0.230065168046239	380	4.55964779215685	6.96382457846589e-06	0.0529299815481443	9.50427665363465e-05
LIHC	L3MBTL3	cg07826275	-0.115116370531796	380	-2.23514335307532	0.0260009107095133	0.0132517787644137	0.0887428090964716

LIHC	L3MBTL3	cg08106148	-0.156915974490678	380	-3.06444823109963	0.00233978154497575	0.0246226230503592	0.0134980322958727
LIHC	L3MBTL3	cg08358392	-0.327030806937256	380	-6.67455077979555	9.02712966314964e-11	0.106949148686033	3.6367505179444e-09
LIHC	L3MBTL3	cg09710740	-0.152282992898942	380	-2.97178816984468	0.00315321880775952	0.0231901099262591	0.0171527518307002
LIHC	L3MBTL3	cg10237990	-0.138967669359952	380	-2.70657344334743	0.00711139017869671	0.019312013127337	0.0328068729865603
LIHC	L3MBTL3	cg16487825	-0.114471104941036	380	-2.22244780355113	0.0268537827374141	0.0131036338664216	0.0908920629252694
LIHC	L3MBTL3	cg16800851	-0.272389034509209	380	-5.46011152792047	8.71567876366879e-08	0.0741957861208592	1.91858379666341e-06
LIHC	L3MBTL3	cg18411550	-0.128583226499251	380	-2.50078315808024	0.0128212358688107	0.0165336461369577	0.051803455511749
LIHC	L3MBTL3	cg18798995	-0.157065668132915	380	-3.06744553998763	0.00231702352799883	0.0246696241060389	0.0133915697130119
LIHC	L3MBTL3	cg22934935	0.23079165226157	380	4.57485465490123	6.50174812859897e-06	0.0532647867536255	8.96267312047299e-05
LIHC	L3MBTL3	cg24516147	-0.101689506397536	380	-1.97153624835919	0.0494032178220294	0.0103407557113745	0.143048123245876
LIHC	LBR	cg01017344	-0.136176348529875	380	-2.6511709783722	0.0083641727219415	0.0185439978989299	0.037177605572547
LIHC	LBR	cg05530459	-0.0393623643038615	380	-0.759782619088411	0.447865754175056	0.00154939572358991	0.639371451017457
LIHC	LBR	cg12994003	-0.113580520020589	380	-2.20493029373693	0.028070348055409	0.0129005345281474	0.0939753262737224
LIHC	LBR	cg14607642	-0.1224909921352	380	-2.38044635238214	0.0177946234828405	0.0150040431542657	0.0665632033093281
LIHC	LBR	cg18107727	-0.00203979334219763	380	-0.0393421910802364	0.968638673986716	4.16075687887379e-06	0.983493350267199
LIHC	LBR	cg18289048	-0.075226662893328	380	-1.45504224995752	0.146500860084834	0.00565905081006641	0.310745116954945
LIHC	LBR	cg18764107	0.0601296942652016	380	1.16184181175393	0.246044619703564	0.00361558013242662	0.439055206997068
LIHC	LBR	cg19322477	-0.261333507448866	380	-5.22188617880176	2.9535185059743e-07	0.0682952021155265	5.73841205428982e-06
LIHC	LBR	cg20483690	-0.153406011491211	375	-2.99020275930205	0.00297393351660473	0.0235334043616417	0.0163530610215014
LIHC	LBR	cg26930584	-0.168104709200194	375	-3.28023925404504	0.00113566147480234	0.0282591932552816	0.0074611644937736
LIHC	MBD1	cg01719254	-0.14892543400545	380	-2.90476241489436	0.00389486524005524	0.0221787848937116	0.0203353789587152
LIHC	MBD1	cg03841029	-0.170930236061487	380	-3.34602601825209	0.00090331805617696	0.0292171456000355	0.00617402256740735
LIHC	MBD1	cg05549078	-0.114954249256113	380	-2.23195336074371	0.0262129686687963	0.0132144794220366	0.0892785641880978
LIHC	MBD1	cg12090413	-0.262322317590785	380	-5.24310141328477	2.65401666280174e-07	0.0688129983062007	5.22039373618201e-06
LIHC	MBD1	cg13478031	-0.0763023780615229	380	-1.47596983174601	0.14079792366958	0.00582205289784357	0.302533729428292
LIHC	MBD1	cg14389183	-0.25012956413685	380	-4.98271293848076	9.62389441499564e-07	0.0625647988552906	1.65564184458242e-05
LIHC	MBD1	cg19328682	-0.367873132894703	380	-7.63035082837157	1.98455649108656e-13	0.135330641905764	1.25110686926733e-11
LIHC	MBD1	cg21282183	-0.0127105410986113	380	-0.245171844195106	0.806458568796329	0.000161557855019486	0.895075584958934
LIHC	MBD2	cg15090185	-0.0475821117820572	380	-0.918771201709754	0.358810592958921	0.00226405736164019	0.557786528958021
LIHC	MBD2	cg16852837	-0.283884910927875	380	-5.71030518652824	2.30954117011504e-08	0.0805906426525273	5.86269616710432e-07
LIHC	MBD2	cg17987217	-0.0787675372870049	380	-1.52394813211944	0.128371313882987	0.00620432493025971	0.283570945628903
LIHC	MBD2	cg22224310	-0.0932408617865802	380	-1.80623332343086	0.0716899745051213	0.00869385830670415	0.187602592729124
LIHC	MBD2	cg22836370	0.139478183507341	380	2.71671326125968	0.00690133711369811	0.0194541636745074	0.0320584355062418
LIHC	MBD2	cg23388714	-0.27320351983597	380	-5.47775289774515	7.94882379357482e-08	0.0746401632507632	1.76727864589128e-06
LIHC	MBD2	cg24881765	-0.103183315015089	380	-2.00080730477442	0.0461393554607074	0.010646796497503	0.136043246615762
LIHC	MBD2	cg25192916	0.0802062579382756	380	1.5519622556371	0.121521566255087	0.0064330438124612	0.273029566072151
LIHC	MBD3	cg08660999	0.0873736045443611	380	1.69167065808505	0.0915462379463714	0.0076341467710744	0.22355363137772
LIHC	MBD3	cg09174855	-0.107302307491332	380	-2.08159014332809	0.0380632003489878	0.0115137851929644	0.118028085457157
LIHC	MBD3	cg12286540	-0.0537046360611978	380	-1.03731449399079	0.300263104446242	0.00288418793446571	0.498562877727545
LIHC	MBD5	cg03890220	0.282848085367155	380	5.68763236608236	2.60995013376475e-08	0.0800030393958655	6.53697555396313e-07
LIHC	MBD5	cg04152151	0.266464123557274	375	5.32498726636667	1.75337473753589e-07	0.0710031291431462	3.61042970703725e-06
LIHC	MBD5	cg05218490	-0.0586504217541803	380	-1.13315900865427	0.257877268733716	0.00343987197194322	0.452364865681606
LIHC	MBD5	cg06394585	0.0911873557677467	380	1.7661160993386	0.0781965288434693	0.00831513385191362	0.19962002903619
LIHC	MBD5	cg06758980	0.263074436589304	380	5.2592502356002	2.44599748770644e-07	0.0692081591867798	4.84676333567587e-06
LIHC	MBD5	cg20595490	0.271039967162668	380	5.43091922746022	1.01452768761405e-07	0.0734626637995399	2.19967020429899e-06
LIHC	MBD5	cg21412502	-0.187312729396528	380	-3.67785388507019	0.000269875225067018	0.035086058593977	0.00223466452994823
LIHC	MBD5	cg23120335	-0.211845636434472	380	-4.18082220471131	3.62516131024793e-05	0.0448785736763265	0.000401960944939321
LIHC	MBD5	cg25686162	0.240937806781039	380	4.78809473002139	2.43454905233851e-06	0.058051026736457	3.75746636461988e-05
LIHC	MBD5	cg26664634	-0.23000221630528	380	-4.55833045748755	7.00530497168905e-06	0.0529010195053409	9.5520999066744e-05
LIHC	MBTD1	cg01388767	0.0656439717733121	380	1.26883180937139	0.205294411279752	0.00430913103017539	0.38954017215178
LIHC	MBTD1	cg14577476	-0.015230377195845	380	-0.2937869533017	0.769084547121087	0.000231964389527717	0.87200715358552
LIHC	MBTD1	cg17045523	-0.0649044171364577	380	-1.25447614468455	0.210456617194572	0.0042125833638233	0.396124183062839
LIHC	MBTD1	cg18711617	0.0347258096742057	380	0.670171357411971	0.5031643641110112	0.00120588185752915	0.68660179865957
LIHC	MBTD1	cg22141797	-0.0683051466475575	380	-1.32050603224727	0.187477960637335	0.00466559305854434	0.366810366009918
LIHC	MBTD1	cg25259117	-0.0434530874447945	380	-0.838885153039168	0.402072490817707	0.00188817080848495	0.598637844032014
LIHC	MBTD1	cg25716740	-0.0098230322009251	380	-0.189468925254073	0.849828642876472	9.64919616204114e-05	0.919915530687691
LIHC	MBTD1	cg25855326	-0.0219761437836	380	-0.42396290043975	0.671837918497156	0.000482950895597461	0.809957832748074

LIHC	MBTD1	cg27207041	-0.0564250293071703	380	-1.09002313603518	0.276408522001477	0.00318378393231503	0.472997174734011
LIHC	MBTD1	cg27214721	0.0531244677400199	380	1.02607655178775	0.305522237708356	0.00282220907266042	0.504035562724713
LIHC	MBTD1	cg27353579	-0.0447134349785862	380	-0.863264893255354	0.388548062956704	0.00199929126758425	0.586283213767407
LIHC	MLLT10	cg00879184	-0.077679496537303	380	-1.50276866339638	0.133747116744527	0.00603410418228887	0.291833035088876
LIHC	MLLT10	cg03524461	-0.154331951925986	380	-3.01274239900645	0.0027661544789252	0.0238183513852847	0.0154324599493335
LIHC	MLLT10	cg04188362	-0.0271406789304062	380	-0.523663363097451	0.600824521299696	0.000736616452803393	0.760800553584031
LIHC	MLLT10	cg05913198	-0.0918194748883182	380	-1.77846271198243	0.0761445262689475	0.0084308159687665	0.195996005577425
LIHC	MLLT10	cg06398735	-0.146339091483275	380	-2.85320236903832	0.00457007593906501	0.0214151296961503	0.0230695274546508
LIHC	MLLT10	cg11443787	-0.00711318775316643	380	-0.137197667947111	0.890948778628448	5.05974400117969e-05	0.942345709570522
LIHC	MLLT10	cg15910013	0.0503736869035379	380	0.97280752566086	0.331281094010419	0.00253750833225567	0.530904176244701
LIHC	MLLT10	cg19119538	-0.0705296319388326	380	-1.36372237617264	0.173479588995654	0.0049744289814272	0.3484372391389
LIHC	MLLT10	cg20569108	0.0396185932585489	380	0.764736167290329	0.444913506187453	0.00156963293178634	0.636829158113119
LIHC	MLLT10	cg23344688	-0.188401868378568	380	-3.70002359072596	0.000248124209074768	0.0354952640085351	0.00207777984077099
LIHC	MLLT10	cg26877631	-0.117733804240444	380	-2.286670739992	0.0227762636145166	0.0138612486609271	0.0803158775671242
LIHC	MLLT10	cg27470303	-0.0685540451537485	380	-1.32534053013907	0.18587162304285	0.00469965710694219	0.364683405876304
LIHC	MLLT10	cg27572529	-0.119657319986919	380	-2.32456824558439	0.0206327375052156	0.0143178742264518	0.0745865790650902
LIHC	MLLT6	cg05652455	0.0234706763781534	380	0.452810749940215	0.650948993828659	0.000550872649648006	0.795924902959681
LIHC	MORF4L	cg03589001	-0.145138424138393	380	-2.82928685078803	0.0049180349842731	0.0210651621613762	0.0244531262665564
LIHC	MORF4L	cg07757959	-0.00680777108099773	380	-0.131306576317803	0.895603772878965	4.6345747091269e-05	0.94461318677375
LIHC	MORF4L	cg08692282	0.0176535465812844	380	0.340542344601065	0.733640368243984	0.000311647706897578	0.849715169758549
LIHC	MORF4L	cg13747872	-0.0140717661503129	380	-0.271433271894178	0.786208378603131	0.000198014602589091	0.882190451188984
LIHC	MORF4L	cg15822222	-0.158180413884482	380	-3.08977287615818	0.00215379703340236	0.0250210433366661	0.0126045652912438
LIHC	MORF4L	cg20775702	-0.119367531188638	380	-2.31885707878598	0.0209440176593944	0.0142486075020705	0.0754488960312538
LIHC	MORF4L	cg20905746	0.0187646196265341	380	0.361982611313774	0.717570558804898	0.000352110949728508	0.839577735439971
LIHC	MORF4L	cg23623458	-0.259093409960806	363	-5.0542863026795	6.93180111240382e-07	0.0671293950851183	1.23511803879602e-05
LIHC	MORF4L	cg24795825	0.0925831630367316	376	1.78371413931642	0.0752940726080141	0.00857164207788603	0.194441039906403
LIHC	MPHOSF	cg00331616	-0.14555032279307	380	-2.83758361645655	0.00479468491620344	0.02118626742183	0.0239808228347133
LIHC	MPHOSF	cg03134886	0.0589229300327749	380	1.13844232205712	0.255668459138023	0.00347191168364729	0.449928741488109
LIHC	MPHOSF	cg03428000	0.119915499570652	380	2.32965696467035	0.020358802826139	0.0143797270372791	0.0738158420514849
LIHC	MPHOSF	cg04203901	-0.118698238531607	380	-2.30566893307685	0.0216785651725848	0.0140892718305063	0.0774494741233552
LIHC	MPHOSF	cg06019692	-0.0750151161579918	380	-1.45092730155566	0.147642808298175	0.005627267652197	0.312416173699083
LIHC	MPHOSF	cg09559995	-0.204548159359897	380	-4.03039875543575	6.75535537079618e-05	0.0418399494975219	0.000688853212368224
LIHC	MPHOSF	cg11051893	0.161762375434245	380	3.1615987909767	0.0016978077504755	0.0261670661061298	0.0104081368117014
LIHC	MPHOSF	cg19693579	0.154613786769024	380	3.01837876570659	0.00271643743804081	0.0239054230590571	0.01522058009615
LIHC	MPHOSF	cg20759595	-0.0726215928152603	380	-1.40438273730624	0.161039274511316	0.00527389574302547	0.331171569994802
LIHC	MPHOSF	cg20952532	0.0256758678279222	380	0.495381521737784	0.620623330391847	0.000659250188716929	0.775146443253754
LIHC	MPHOSF	cg21958444	-0.178944455956603	380	-3.50797731596637	0.000506786833469381	0.0320211183176045	0.00379159212568927
LIHC	MPHOSF	cg22656705	-0.203863625711937	380	-4.01632486705834	7.15358633298947e-05	0.0415603778884168	0.000722641339032052
LIHC	MSH6	cg00620552	0.0451914786245613	380	0.872513083347312	0.383491346502477	0.00204226974027418	0.581773539461101
LIHC	MSH6	cg02905881	-0.00497310073223773	380	-0.0959188794491688	0.923636650454821	2.47317308929834e-05	0.959803374973999
LIHC	MSH6	cg05039065	0.10591679483152	380	2.05440519570188	0.0406346632388168	0.0112183674273823	0.123747621530652
LIHC	MSH6	cg07652213	0.0447172018854469	380	0.863337765171185	0.38850805943884	0.00199962814446381	0.586251231252379
LIHC	MSH6	cg09898070	-0.0445380408796046	380	-0.859871883871941	0.390413465330674	0.00198363708539333	0.587781102375261
LIHC	MSH6	cg11869233	-0.0681045010851559	380	-1.31660895923649	0.188780296681454	0.004638223068058	0.36851285757395
LIHC	MSH6	cg16595246	-0.0208442150317455	380	-0.402116025743946	0.687829580811181	0.000434481300289646	0.82047337972192
LIHC	MSH6	cg18222961	-0.0307524778895215	380	-0.59341297972394	0.553265425712232	0.00094571489634551	0.725273979327693
LIHC	MSH6	cg19076255	0.0209334111073607	380	0.403837503307457	0.686564262355607	0.000438207699176614	0.819595504253566
LIHC	MSH6	cg19736286	0.041973905789069	380	0.810277468645142	0.418298756732347	0.00176180876718964	0.61371919950914
LIHC	MSH6	cg21405109	-0.0325673284324073	380	-0.628469258613682	0.530082247433312	0.00106063088122428	0.708082503415958
LIHC	MTA1	cg01318265	-0.285751785731094	380	-5.75118414479036	1.85078541222101e-08	0.081654083048509	4.79134776566794e-07
LIHC	MTA1	cg01655777	-0.0805275662526019	380	-1.55821995427742	0.12003142541481	0.00648468892656718	0.270768564307827
LIHC	MTA1	cg05922925	-0.230739954738539	380	-4.5737722488787	6.53364003278512e-06	0.0532409267127432	8.99925624487403e-05
LIHC	MTA1	cg13052453	-0.24674389632551	380	-4.91086429570285	1.36040111737853e-06	0.0608825503738941	2.24360916950064e-05
LIHC	MTA1	cg13981078	-0.220780197865596	380	-4.36599123836537	1.64233683493835e-05	0.0487438957695717	0.000201647651100369
LIHC	MTA1	cg16531924	-0.191788772023294	380	-3.76905577174077	0.00019049564596937	0.0367829330742031	0.00166491610858793
LIHC	MTA1	cg20222911	-0.193870695997242	380	-3.81155893080061	0.000161565488434608	0.0375858467664549	0.00145019333186591
LIHC	MTA1	cg21517792	-0.15209468232852	380	-2.96802622884097	0.003191151448828	0.0231327923926136	0.0173239662114533

LIHC	MTA1	cg23123838	-0.079635186813936	380	-1.54084145633923	0.124205556085999	0.00634176297889049	0.277226345043731
LIHC	MTA1	cg23883989	-0.267243634387316	380	-5.34895544172283	1.54868616039458e-07	0.0714191601205414	3.2196283046963e-06
LIHC	MTA1	cg23966123	-0.185036190230539	380	-3.63155962849928	0.000321210062266566	0.0342383916950321	0.00258757539442531
LIHC	MTA2	cg00501779	0.0268116932853344	380	0.51731118508076	0.605246401259027	0.000718866896826845	0.763937737929466
LIHC	MTA2	cg07654871	0.00556520295564861	380	0.107339409679914	0.914577586539768	3.097148393756e-05	0.954900062640415
LIHC	MTA2	cg09086761	-0.0376711107135004	380	-0.727090165564716	0.467628033333444	0.0014191125823888	0.656652240602239
LIHC	MTA2	cg13708959	-0.0981884232940319	380	-1.90298525165831	0.0578142294663422	0.00964096646896798	0.160199630974326
LIHC	MTA2	cg19570317	-0.105576954034224	380	-2.04773908211076	0.0412873311868114	0.0111464932231446	0.125254291954529
LIHC	MTA2	cg21002970	0.0449792310054763	380	0.868406885926962	0.385731515858998	0.002023131221844	0.583788459635551
LIHC	MTF2	cg05396182	-0.00179239257499032	380	-0.0345704715714299	0.972440789627936	3.21267114288043e-06	0.985514431467597
LIHC	MTF2	cg05962718	-0.264999636460856	380	-5.30063342450668	1.98252975210006e-07	0.0702248073243861	4.02896863988695e-06
LIHC	MTF2	cg09936581	0.2129739634709	380	4.20414507202086	3.28615861017798e-05	0.0453579091165044	0.000369000321767012
LIHC	MTF2	cg11404133	0.0490455316714535	380	0.947095745940591	0.344204795396157	0.00240546417693555	0.543454047999851
LIHC	MTF2	cg14474880	-0.173236726500889	380	-3.39256381645951	0.000766831795316092	0.0300109634087438	0.00537334828722934
LIHC	MTF2	cg15463775	-0.13701090073676	380	-2.66772846152463	0.00797045221640581	0.0187719869206984	0.0358308670421264
LIHC	MTF2	cg16813892	0.0338203034867263	380	0.652675767202404	0.514368450968052	0.00114381292793427	0.695915538583365
LIHC	MTF2	cg19708337	0.0394170281276578	380	0.760839395245138	0.447234993614942	0.00155370210641657	0.638869591679627
LIHC	MTF2	cg22801127	0.000698524264290243	380	0.0134726513926865	0.989257927076714	4.87936147802225e-07	0.994314147234511
LIHC	MTF2	cg23992808	-0.0879784883081729	375	-1.70118190638288	0.0897467158052467	0.00774021440499132	0.220390669192631
LIHC	MTF2	cg26054395	-0.186633956492965	380	-3.66404440361176	0.000284317895345133	0.034832233716218	0.00233684377712406
LIHC	NAP1L2	cg02379437	-0.21019871105113	375	-4.10761015350922	4.93840260943642e-05	0.0441834981275565	0.000524260497541617
LIHC	NAP1L2	cg04297329	-0.196567302381362	380	-3.86669067282669	0.000130190262982024	0.0386387043654859	0.00120686622002188
LIHC	NAP1L2	cg07693661	-0.202921799714122	370	-3.94288242892807	9.66613339955002e-05	0.041177256799218	0.000936097574610475
LIHC	NAP1L2	cg20001978	-0.281514580685628	374	-5.61268515068583	3.94026867011156e-08	0.079250459138605	9.46662325270719e-07
LIHC	NAP1L2	cg23483095	-0.204400894764845	380	-4.02737050175525	6.83922151440895e-05	0.0417797257806692	0.00069576356543995
LIHC	NCOA1	cg11380327	-0.0633198389529024	380	-1.22372449183364	0.221830700000707	0.00400940200502149	0.410296129370839
LIHC	NCOA1	cg13911252	-0.0373986177009042	380	-0.721823384256218	0.470856530263251	0.00139865660593838	0.659283889764206
LIHC	NCOA1	cg15477048	0.150911711342485	380	2.94440118558541	0.00343906962818806	0.0227743446203176	0.0183736681996609
LIHC	NCOA1	cg23006163	-0.0307812135820913	380	-0.593968001579038	0.552894530415636	0.000947483109586323	0.725033327138324
LIHC	NCOA3	cg04175879	-0.162175069989082	380	-3.16988237383274	0.00165139128802934	0.0263007533259638	0.0101716812241452
LIHC	NCOA3	cg09568061	-0.0321395248774989	380	-0.620205109989519	0.535502495177926	0.00103294905935137	0.711874249997806
LIHC	NCOA3	cg12128876	0.0332516645093296	380	0.641689727177544	0.521469847633426	0.00110567319264101	0.701469327629716
LIHC	NCOA3	cg14341558	-0.118016017872136	380	-2.29222932673122	0.0224501823444634	0.0139277804743963	0.079403932043882
LIHC	NCOA3	cg14774045	-0.0252845474569116	380	-0.487826651402537	0.62596001422459	0.000639308340100815	0.778743079560432
LIHC	NCOA3	cg18295930	-0.0215780732956244	380	-0.416279729878179	0.677445388658765	0.000465613247151337	0.813586958821916
LIHC	NCOA3	cg21735648	-0.0285006063928216	380	-0.549923181487624	0.58270207597207	0.000812284564758544	0.747821985551433
LIHC	NCOA3	cg22511723	-0.0138920238712901	380	-0.267965511511761	0.788874386064049	0.000192988327240494	0.883843796204604
LIHC	NCOA3	cg22876277	-0.0622251267939642	380	-1.20248503138958	0.229940492620338	0.00387196640452493	0.420044038168326
LIHC	NCOA3	cg24856420	0.00473301552392495	380	0.0912881200163937	0.927312793305055	2.24014359497145e-05	0.961601858735983
LIHC	NCOA3	cg25373408	0.00908940415162772	380	0.175317320796245	0.860925688717489	8.26172678316272e-05	0.926115946625852
LIHC	NCOR1	cg00253204	0.107901037817876	380	2.0933415328315	0.0369953907761384	0.0116426339621747	0.115574111578613
LIHC	NCOR1	cg08125503	0.151012476333562	380	2.94641305130193	0.00341729110004666	0.0228047680083946	0.0182874557224345
LIHC	NCOR1	cg08206308	0.239275327436687	380	4.75304292494038	2.86832206508949e-06	0.0572526823199339	4.3437462863845e-05
LIHC	NCOR1	cg21211144	0.207525439439236	380	4.09168321711078	5.25407909550887e-05	0.0430668080144481	0.000553565334157362
LIHC	NCOR1	cg22291359	0.221222243567658	380	4.37518216593123	1.57789121905726e-05	0.0489392810491081	0.000194811092676306
LIHC	NCOR1	cg22625220	0.273110679330815	380	5.47574137409943	8.03283369937754e-08	0.074589443164539	1.78442679842769e-06
LIHC	NCOR2	cg08976554	-0.14779734209526	380	-2.88226590505743	0.00417742071019927	0.0218440543304233	0.0214932716090768
LIHC	NCOR2	cg10641483	0.0716702279706395	380	1.38588927398607	0.166610934881765	0.00513662157736344	0.339084813508421
LIHC	NCOR2	cg13416396	-0.0251933283671073	380	-0.486065598882869	0.627206850122622	0.000634703794212894	0.779629275125008
LIHC	NCOR2	cg13419087	-0.223902949052998	380	-4.43097986449396	1.23563793470148e-05	0.0501325305946293	0.000157685724232557
LIHC	NCOR2	cg13857025	-0.035388447743137	380	-0.682975455498587	0.49504746469823	0.00125234223366874	0.679994759013836
LIHC	NCOR2	cg16181859	0.0429307750054956	380	0.828782899092289	0.407758707522553	0.00184305144257248	0.603856406560116
LIHC	NCOR2	cg19895345	0.0515553650528427	380	0.995687998582443	0.32004897706935	0.00265795566573188	0.519444479729048
LIHC	NCOR2	cg23611643	-0.029729463960464	380	-0.573654701313121	0.56654813316111	0.000883841027376527	0.735535880094381
LIHC	NCOR2	cg24626542	-0.134555701731136	380	-2.61903380185906	0.00917855530619011	0.0181052368683584	0.039920193790862
LIHC	NCOR2	cg25113767	-0.210238789751426	380	-4.14763837403279	4.16541818676604e-05	0.0442003487161443	0.000453526301499338
LIHC	NCOR2	cg25449924	-0.0405661112089868	380	-0.783055385390759	0.434092807514656	0.00164560937861988	0.627621749763877

LIHC	ORC1	cg00298020	-0.200362946615388	380	-3.9444470851399	9.55990288912684e-05	0.0401453103764007	0.000926848311760635
LIHC	ORC1	cg02275620	0.054111890871343	380	1.04520370574625	0.296607519505983	0.00292809673367213	0.494604419369983
LIHC	ORC1	cg04407474	0.0419925057082478	380	0.810637161461678	0.418092365410692	0.00176337053565722	0.613495500881986
LIHC	ORC1	cg07142859	-0.0940537878801607	380	-1.82212101491211	0.0692394094117957	0.00884611501460626	0.182869143295917
LIHC	ORC1	cg08613513	0.0615988385259177	380	1.19033583358122	0.234673480410661	0.00379441690774208	0.425710958284371
LIHC	ORC1	cg10586599	0.0513342472844322	380	0.991406246814921	0.322131665436761	0.00263520494425923	0.521592481652354
LIHC	ORC1	cg13460942	-0.00466377077426259	380	-0.0899525314258118	0.928373347507288	2.17507578348659e-05	0.962163451329503
LIHC	ORC1	cg16136434	0.0522452105078447	380	1.00904719762256	0.313607872340619	0.00272956202100901	0.512667286308862
LIHC	ORC1	cg16965475	-0.0971617849875825	380	-1.8828973828302	0.0604943530258273	0.00944041246197322	0.165614361602309
LIHC	ORC1	cg17146111	-0.0656506990333145	380	-1.2689624033597	0.205247878471302	0.00431001428356283	0.389516331425557
LIHC	ORC1	cg19776520	-0.0499689505543687	379	-0.963673808242791	0.335837187400344	0.00249689601950494	0.53542613293621
LIHC	ORC1	cg21197365	-0.0263148147010416	380	-0.507717585541311	0.611952302104456	0.000692469472750157	0.768779631507419
LIHC	ORC1	cg23606758	0.0150639897489126	380	0.290576683662736	0.771537018403547	0.000226923787155343	0.873324178411476
LIHC	ORC1	cg25605769	0.0517376666667466	380	0.999218219940194	0.318338504985269	0.00267678615211938	0.517676286705648
LIHC	PADI1	cg14524955	0.0132461944790839	380	0.255505763654079	0.798473705058063	0.000175461668177714	0.889937412081701
LIHC	PADI1	cg21010178	0.0559145165335812	380	1.08012993866218	0.280784100919588	0.00312643315918413	0.478003521296717
LIHC	PADI1	cg22193702	0.0624287786433533	380	1.20643592541775	0.228416123123696	0.0038973524029008	0.418295920405903
LIHC	PADI2	cg00569276	-0.0447826707655535	380	-0.864604285716514	0.387813196941088	0.00200548760089596	0.585725321170206
LIHC	PADI2	cg01603374	-0.0376529954118803	380	-0.726740025570695	0.467842283562972	0.00141774806348708	0.656860428232346
LIHC	PADI2	cg07014827	-0.054521420658942	376	-1.04746018262101	0.295574854591377	0.00297258531066931	0.493506540426278
LIHC	PADI2	cg09313801	-0.00705475237714483	380	-0.136070522386119	0.891839134217331	4.97695311028306e-05	0.942722001470544
LIHC	PADI2	cg10233913	-0.0474490215837262	380	-0.916195533101548	0.360157893773864	0.00225140964925291	0.559065431962726
LIHC	PADI2	cg15185794	-0.0314150646814311	380	-0.606211035426519	0.544744356032279	0.000986906288938497	0.71887773423537
LIHC	PADI2	cg171783414	-0.0225318899200353	379	-0.434105058168691	0.664464493950208	0.000507686063368589	0.805148686817378
LIHC	PADI2	cg18228326	-0.00792985475240422	380	-0.15295030866704	0.878520390096605	6.28825963942278e-05	0.93547065656294
LIHC	PADI2	cg18879300	0.0363256985278941	380	0.701087415382922	0.483686776708139	0.00131955637353945	0.670514435782333
LIHC	PADI2	cg19282714	-0.0110367903476905	380	-0.212882869375766	0.831534934040145	0.000121810741178874	0.909713206794132
LIHC	PADI3	cg01459162	0.0479189311668146	380	0.925289820897622	0.35541502036884	0.00229622396416992	0.554246804605973
LIHC	PADI3	cg12858514	-0.032917592907798	379	-0.634381407515076	0.52622291153632	0.00108356792284351	0.70494713678181
LIHC	PADI3	cg14664242	-0.0530630338211354	380	-1.02488662932611	0.306082667588053	0.00281568555830296	0.504564227884917
LIHC	PADI3	cg17589397	0.0407711554115754	380	0.78701996645971	0.431771288351474	0.00166228711359483	0.625613998994497
LIHC	PADI3	cg18768338	-0.0462800487629979	380	-0.893574716238722	0.372127198677368	0.00214184291350546	0.570788739577806
LIHC	PADI3	cg21966975	-0.0628034258754384	380	-1.21370456581742	0.225630574614508	0.00394427030169168	0.415036056974393
LIHC	PADI4	cg16091981	0.023821879522384	380	0.459590196243451	0.646078864313359	0.000567481943978976	0.792461200340462
LIHC	PADI4	cg18333690	-0.0221734820767899	380	-0.427771807387204	0.669064792352371	0.000491663307409722	0.808092321941629
LIHC	PADI4	cg19159961	0.110078846561871	374	2.11880863629128	0.0347797706889586	0.0121173524603918	0.110331422785828
LIHC	PADI4	cg21295838	-0.0325174833726514	380	-0.627506352733714	0.530712349976221	0.00105738672489066	0.708502050740909
LIHC	PADI4	cg23228178	0.143867534583352	380	2.80398651786618	0.00531218129592035	0.0206978675070921	0.0260285842246538
LIHC	PADI4	cg26918754	-0.00847138434491825	380	-0.163396007278611	0.870295377239152	7.1764352719326e-05	0.931198052151149
LIHC	PADI6	cg12643633	-0.0445277746064037	380	-0.859673284671306	0.390522819846918	0.00198272271139869	0.587854726144953
LIHC	PADI6	cg16017904	-0.036274939156005	380	-0.700106465795534	0.484298415618609	0.00131587121077187	0.671025421534674
LIHC	PARP1	cg00653565	0.0457560718896292	380	0.883436428798476	0.377571078577518	0.00209361811476891	0.576151203131744
LIHC	PARP1	cg02088626	-0.074995596200036	380	-1.45054761468589	0.147748519271785	0.00562433944939886	0.312581879965985
LIHC	PARP1	cg03149313	0.0978882920446107	380	1.897112058004	0.0585873813145641	0.00958211771941099	0.161840307577061
LIHC	PARP1	cg04960271	0.136219191551717	380	2.65202084188716	0.00834354616574383	0.0185556681470034	0.0371092464935038
LIHC	PARP1	cg07113065	-0.236364962045634	380	-4.69178714099581	3.81110018941917e-06	0.0558683952828341	5.5929207344968e-05
LIHC	PARP1	cg17661881	-0.0620472558703171	380	-1.19903441679127	0.231277771043369	0.0038498619610366	0.421763822887264
LIHC	PARP1	cg25722198	-0.0499195375266201	380	-0.964015064948332	0.335664613640313	0.00249196022687163	0.53522152614298
LIHC	PARP1	cg26464410	-0.0242614056770069	380	-0.468074825037342	0.640005199926573	0.000588615805424303	0.788492406611678
LIHC	PARP2	cg01813761	-0.142572815468616	368	-2.73304894002619	0.00658477708521394	0.020327007710648	0.030856945278425
LIHC	PARP2	cg10910545	-0.132687858143743	380	-2.58202128441179	0.0102039742407567	0.0176060676987742	0.0432852735857693
LIHC	PARP2	cg15078479	-0.233821340825311	380	-4.63835999252525	4.87118722756686e-06	0.054672419425346	6.95958015025411e-05
LIHC	PARP2	cg15365367	-0.0855624659763793	380	-1.65634320871654	0.0984955266174195	0.00732093558395907	0.235554766444573
LIHC	PARP2	cg18899035	-0.0319387980658845	343	-0.585746671429755	0.558438987650029	0.00102008682189335	0.729454195196321
LIHC	PARP2	cg19540080	-0.0168617052245642	380	-0.325263035050043	0.745164863089007	0.000284317103080096	0.856897800762805
LIHC	PARP2	cg24595957	0.0190578420917471	380	0.367641116719275	0.713349928639415	0.000363201345193968	0.836915372169358
LIHC	PARP2	cg26206608	-0.0638405485338634	380	-1.23382878191015	0.218045663484017	0.00407561563710457	0.405601117741699

LIHC	PARP2	cg26430074	-0.00481661136978489	380	-0.0929005134436321	0.926032608891633	2.3199745087541e-05	0.961054615617427
LIHC	PAXIP1	cg02824291	0.0711836825192169	380	1.37643284993652	0.169515579762213	0.00506711665699666	0.343017167694669
LIHC	PAXIP1	cg12220104	0.0786742416180305	380	1.52213185344273	0.128825610080931	0.00618963629417224	0.284305815409938
LIHC	PAXIP1	cg22583711	-0.0185629311202298	380	-0.358090550816287	0.72047865513397	0.000344582411774396	0.841525543641626
LIHC	PAXIP1	cg24448952	-0.0669364393399262	375	-1.2921849329341	0.197097395706342	0.00448048691150762	0.379323012260134
LIHC	PAXIP1	cg24452135	-0.00918526975429473	380	-0.177166541167446	0.859473998001652	8.43691804591616e-05	0.925319273951536
LIHC	PCGF1	cg03203239	0.00647238822614802	380	0.124837518147209	0.900719616544637	4.18918093499795e-05	0.947655317746224
LIHC	PCGF1	cg08092637	-0.0227692733356349	380	-0.43927172299707	0.660719709798151	0.000518439808232853	0.802573685341911
LIHC	PCGF1	cg27306986	-0.00497490840089206	380	-0.0959537457934765	0.923608977808692	2.47497135972664e-05	0.959803374973999
LIHC	PCGF2	cg09395368	-0.03224049242112	380	-0.622155532195774	0.534220738549323	0.00103944935155629	0.711033005435611
LIHC	PCGF2	cg17902383	0.031268399000857	380	0.603378076999721	0.546624913341464	0.000977712776076798	0.720137824021775
LIHC	PCGF2	cg20228512	0.0421504842427554	380	0.813692248815912	0.416341788899052	0.00177666332189877	0.611907825765862
LIHC	PCGF2	cg25377665	0.13856357105748	380	2.69854881462485	0.00728169193242532	0.0191998632242013	0.0334142595523562
LIHC	PCGF5	cg03905463	0.156099215217193	380	3.04809810572024	0.00246758412494801	0.0243669649914234	0.0140849100752957
LIHC	PCGF5	cg06001881	-0.00307370656265936	380	-0.0592837853116596	0.952757909519241	9.44767203333521e-06	0.975037248149736
LIHC	PCGF5	cg07421809	-0.123586281132964	380	-2.40206047095932	0.0167925708116348	0.0152735688842761	0.0636380189848168
LIHC	PCGF5	cg07424295	-0.0696130722488582	380	-1.34591340940166	0.179150103087085	0.00484597982792475	0.355897829414984
LIHC	PCGF5	cg08633154	-0.0799061615279428	380	-1.5461181130971	0.122926308456223	0.00638499465012968	0.275247653917146
LIHC	PCGF5	cg11113644	0.081731361103987	380	1.58166904405565	0.11457495749429	0.00668001538791032	0.262257260195931
LIHC	PCGF5	cg12783297	-0.0345043067689783	380	-0.665891474120421	0.505893167545888	0.00119054718560776	0.688962959308982
LIHC	PCGF5	cg15550435	-0.27409286138973	377	-5.47481984655651	8.10981526173895e-08	0.0751268966648095	1.79947224321654e-06
LIHC	PCGF5	cg17001035	-0.104353403914882	380	-2.02374464675106	0.0437108688511633	0.0108896329086225	0.130710871858828
LIHC	PCGF5	cg20515900	-0.220654295420154	380	-4.36337401722965	1.66114440521184e-05	0.0486883180873645	0.000203667561637589
LIHC	PCGF5	cg22968329	-0.0346957317379017	380	-0.669590185174435	0.503534454056232	0.00120379380082844	0.686901981848081
LIHC	PCGF5	cg23395902	-0.0202805446746537	380	-0.391237446522146	0.69584572122797	0.000411300492300626	0.825658100410425
LIHC	PCGF5	cg25390656	0.0725977858633553	380	1.40391991012168	0.161176967998018	0.00527043851226159	0.331349622061727
LIHC	PCGF6	cg01917164	-0.236456240377747	380	-4.69370627477998	3.77748995689248e-06	0.0559115536135789	5.554021253596e-05
LIHC	PCGF6	cg06691148	-0.110939584862673	380	-2.15301546065441	0.0319598250484989	0.0123075914895022	0.103461471841493
LIHC	PCGF6	cg11612727	-0.0910065946794481	380	-1.76258585253567	0.0787914941933612	0.00828220027514935	0.2007173193817
LIHC	PCGF6	cg11814370	-0.12275702033426	380	-2.38569526134133	0.0175465599440516	0.0150692860413458	0.0658474232651978
LIHC	PCGF6	cg14409890	-0.358480646467978	380	-7.40637290763757	8.77650392784183e-13	0.1285083738921	4.99458190609018e-11
LIHC	PCGF6	cg16113748	-0.0990502303209839	380	-1.91985265881507	0.0556409977557466	0.00981094812663996	0.155805569786967
LIHC	PCGF6	cg16382383	-0.0010687357219236	380	-0.0206130398881274	0.983565389943888	1.14219604331555e-06	0.991421409567287
LIHC	PCGF6	cg24418712	-0.11174930590795	380	-2.16892778859895	0.0307211207590857	0.0124879073709086	0.100429468606168
LIHC	PCGF6	cg25481680	0.00917978561609666	380	0.177060753560884	0.859557031477923	8.42684639574951e-05	0.925373018734775
LIHC	PCGF6	cg26155979	0.0114192350172395	380	0.220260590268577	0.825789037293336	0.000130398928378949	0.906322063580431
LIHC	PCGF6	cg27217148	0.154386280358084	380	3.01382884534109	0.00275650675065442	0.0238351235628051	0.0153874631286172
LIHC	PHC1	cg02770112	0.0147475848382442	380	0.284472052270831	0.776206935240303	0.000217491258561209	0.876124348104874
LIHC	PHC1	cg08021945	0.311065480664915	380	6.31280137778206	7.80765381683843e-10	0.0967617332612945	2.63509163135414e-08
LIHC	PHC1	cg08867249	-0.0686400516512892	380	-1.32701114123774	0.185318918171123	0.00471145669069164	0.363966168144518
LIHC	PHC1	cg09059548	-0.0234109422720042	380	-0.451657689993374	0.65177881188287	0.000548072218063111	0.796451327955264
LIHC	PHC1	cg09912793	0.203542369577869	380	4.00972201948772	7.34801043358274e-05	0.0414294962133739	0.00073940127237115
LIHC	PHC1	cg12581035	-0.129705840090215	380	-2.5229885484842	0.0120523101362638	0.0168236049535085	0.0493108980088624
LIHC	PHC1	cg14199415	-0.152883159094541	380	-2.98378009654446	0.00303503877372462	0.0233732603347266	0.0166156091740417
LIHC	PHC2	cg06899053	-0.154001098339431	380	-3.00612667606478	0.00282557410830391	0.0237163382897511	0.0156941819349846
LIHC	PHC2	cg13640100	-0.0401372871128656	380	-0.774764283703152	0.438971125008429	0.00161100181678061	0.631703989943159
LIHC	PHC2	cg15586632	0.123507083386086	380	2.40049730737103	0.0168633354396211	0.0152539996465375	0.0638333781498228
LIHC	PHC2	cg16558908	-0.0613610775217791	380	-1.18572394215637	0.236488160965349	0.00376518183463378	0.427845581259032
LIHC	PHC2	cg17161743	-0.059878968721314	380	-1.1569797573166	0.248023021349749	0.0035854908951281	0.4413774880999254
LIHC	PHC2	cg19746874	0.1530837316362	380	2.98778849139008	0.00299644983834258	0.023434628891664	0.0164460151491479
LIHC	PHC2	cg21198021	0.156773545693138	380	3.06159658689512	0.00236162416083518	0.0245779446291983	0.0135978232527579
LIHC	PHC2	cg21578869	0.141496672545953	380	2.7568261565686	0.00612414121868962	0.0200213083415767	0.0291536635712998
LIHC	PHC2	cg23886755	0.142536286379508	378	2.7700233205994	0.00588784113115549	0.020316592934861	0.0282513238115778
LIHC	PHF1	cg01097444	-0.101716457529107	380	-1.97206423356018	0.0493426661653472	0.0103462377322706	0.142931314107351
LIHC	PHF1	cg02776641	-0.024383583846215	380	-0.470433404867363	0.638321096928349	0.000594559161185398	0.787302830283069
LIHC	PHF1	cg03560363	-0.0589226736520502	380	-1.13843735130033	0.255670531053112	0.00347188147030601	0.449928741488109
LIHC	PHF1	cg03876174	-0.0873467594263026	380	-1.69114690387064	0.0916462978557583	0.00762945638227638	0.223734767319113

LIHC	PHF1	cg06618123	0.0522605882898167	380	1.00934501242213	0.313465264453107	0.00273116908839773	0.512509547568673
LIHC	PHF1	cg06919790	-0.108333537941533	380	-2.10183172465173	0.0362399450725824	0.0117361554429295	0.113821724210766
LIHC	PHF1	cg07857404	-0.0818242512277777	371	-1.56635957527633	0.118133363550783	0.00669520808898647	0.267844034636659
LIHC	PHF1	cg08665801	-0.164675628193601	380	-3.22011015575619	0.00139414796539321	0.027118062520957	0.00885308461973449
LIHC	PHF1	cg08798692	-0.0523529827790127	380	-1.01113439138158	0.312609327079383	0.0027408348058596	0.511597405162512
LIHC	PHF1	cg10033570	0.0283633853988841	380	0.547273346341377	0.584519118670497	0.000804481631285632	0.749115835288589
LIHC	PHF1	cg10797813	-0.00222698178255233	380	-0.0429525756347181	0.965762383249326	4.95944785981993e-06	0.982019656096601
LIHC	PHF1	cg13303256	0.129483145093729	380	2.51858284121795	0.0122015236932652	0.0167658848633638	0.0498192061194498
LIHC	PHF1	cg13528777	-0.0706858695541487	380	-1.3667584541995	0.172526463991713	0.00499649215462613	0.347141291151006
LIHC	PHF1	cg13547657	-0.0303799513443728	380	-0.586217866632152	0.558084635929023	0.000922941443686457	0.729208844224906
LIHC	PHF1	cg18443095	-0.106166037808755	380	-2.05929465934527	0.0401615448813767	0.01127122758401	0.122830917695464
LIHC	PHF1	cg20135607	-0.120771452570427	380	-2.34653123317313	0.0194730954450916	0.0145857437559709	0.0713258621900962
LIHC	PHF1	cg20872639	-0.0609988716392472	380	-1.1786985610128	0.239271606699499	0.00372086234126136	0.431106732093032
LIHC	PHF1	cg23345642	0.0706551323435635	380	1.36616114722967	0.172713666962124	0.00499214772648648	0.347437746890554
LIHC	PHF1	cg23718418	-0.135499275934367	380	-2.63774211172559	0.00869623231589651	0.0183600537787377	0.0382746890284418
LIHC	PHF1	cg24796663	-0.183181957764613	375	-3.58906414907743	0.000376411254044431	0.0335556296504766	0.00295633892954391
LIHC	PHF1	cg26673053	-0.0965207068205798	380	-1.8703567146661	0.0622193699325457	0.00931624684514432	0.169045984162765
LIHC	PHF10	cg04353997	-0.369887089629884	375	-7.66839636461948	1.54513252589857e-13	0.136816459074866	9.97527300578868e-12
LIHC	PHF10	cg05243705	-0.109123941552603	380	-2.11735086320215	0.0348931658128614	0.0119080346199758	0.110600942885782
LIHC	PHF10	cg05736120	-0.144115596309462	380	-2.8089237089437	0.00523308747226995	0.0207693050996317	0.0257122975315966
LIHC	PHF10	cg07652237	-0.308391352669829	375	-6.235969953525	1.22634037495311e-09	0.0951052264015268	3.99004279084494e-08
LIHC	PHF10	cg11442717	-0.190443029159714	380	-3.74161014226936	0.000211703856907791	0.0362685473555276	0.00182054768956863
LIHC	PHF10	cg15342139	-0.0905675401137384	380	-1.75401188960311	0.0802519015502948	0.00820247932225362	0.20349140903532
LIHC	PHF10	cg15360169	-0.29919068787272	380	-6.0476014249186	3.58145899684217e-09	0.0895150677097514	1.06504595260069e-07
LIHC	PHF10	cg16740543	-0.0171374325279031	380	-0.330583376822565	0.741145314773971	0.000293691593648431	0.854392899923449
LIHC	PHF10	cg27124293	-0.372832912427165	375	-7.73928299358969	9.57601698420599e-14	0.139004380588922	6.34545711473016e-12
LIHC	PHF11	cg00092518	-0.150561597598304	380	-2.93741157232279	0.00351572201632375	0.0226687946713535	0.0187072485582386
LIHC	PHF11	cg01214340	-0.134159327633974	380	-2.61117703308937	0.00938816265707449	0.0179987251911999	0.0405700880871266
LIHC	PHF11	cg02289189	0.0429518016008582	380	0.829189569681298	0.407528880907934	0.00184485726075949	0.603722921207164
LIHC	PHF11	cg05080330	0.0743977934907352	380	1.4389204364766	0.151013909182138	0.00553503167629008	0.317152854892156
LIHC	PHF11	cg09997676	-0.138621699840733	380	-2.69970305769638	0.00725697201890292	0.0192159756667344	0.0333317916363087
LIHC	PHF11	cg16956501	-0.121396004159905	380	-2.35884700063028	0.0188481712672714	0.0147369898259916	0.0695741226840387
LIHC	PHF11	cg21320768	-0.15945832709832	380	-3.11538322059165	0.00197963905976294	0.0254269580809949	0.0117947492544381
LIHC	PHF11	cg23137039	0.11189139948117	380	2.17127060734764	0.0305080369584308	0.0125196852778547	0.0999428233942883
LIHC	PHF11	cg24481868	-0.108664487804625	380	-2.10832924986503	0.0356707578829638	0.0118079709098415	0.112419882433556
LIHC	PHF11	cg24984523	-0.0424591154081634	380	-0.819660927243212	0.412934270553731	0.00180277648124374	0.60852071686791
LIHC	PHF11	cg25162948	-0.146035662688309	380	-2.84715730397957	0.00465584812940196	0.0213264147768135	0.0234189221116446
LIHC	PHF12	cg01406758	0.0138030939033368	375	0.265891695477207	0.790470317883352	0.000190525401304334	0.884905426659435
LIHC	PHF12	cg02058367	0.0553763687641283	380	1.06970212423232	0.285446996139822	0.00306654221750072	0.482670086711794
LIHC	PHF12	cg06895197	0.121012616421323	380	2.35128649775854	0.0192296827175415	0.0146440533331342	0.0705871720534338
LIHC	PHF12	cg08657247	-0.110103797138454	380	-2.13659543287331	0.0332828799009956	0.0121228461443059	0.106671114574613
LIHC	PHF12	cg08806622	0.0885329544330997	380	1.71429339127153	0.0873077836139254	0.00783808402065331	0.21611371129126
LIHC	PHF12	cg13564075	0.153367483046051	380	2.99345984221214	0.00294261904297624	0.0235215848558809	0.0162111823404358
LIHC	PHF14	cg06715026	-0.145075291024274	380	-2.82802968686694	0.00493697494645594	0.0210468400657779	0.0245284856932299
LIHC	PHF14	cg07287563	-0.145922280052802	380	-2.84489864742101	0.00468826948892892	0.0212933118158082	0.0235576305788487
LIHC	PHF14	cg07574654	0.0113098849112163	380	0.218151113143632	0.827430992785888	0.000127913496704958	0.907292853529911
LIHC	PHF14	cg11931558	-0.110041854972116	380	-2.1353786896089	0.0333827659850406	0.0121092098457042	0.106875957736543
LIHC	PHF14	cg13029706	-0.23615110685012	380	-4.6872913345405	3.89096690245778e-06	0.0557673452665368	5.69401578648985e-05
LIHC	PHF14	cg16800461	-0.121047917981583	380	-2.35198260873583	0.0191942751161678	0.014652598447676	0.0704804794858471
LIHC	PHF14	cg20819769	0.122367358499151	380	2.37800715790534	0.0179109462129774	0.0149737704260598	0.0668761290949057
LIHC	PHF14	cg20964328	-0.111548705117101	380	-2.16498525232198	0.0310241081011368	0.0124431136133019	0.101177557877917
LIHC	PHF14	cg22876561	-0.0797756877748773	380	-1.54357737101323	0.12354097819676	0.00636416035995471	0.276290041323389
LIHC	PHF14	cg23083824	-0.161715327915899	380	-3.16065456398061	0.00170317447198229	0.0261518472829467	0.0104336368905733
LIHC	PHF14	cg24491907	-0.0074639116734126	380	-0.143962725114517	0.885607859562932	5.57099774685048e-05	0.939396239634776
LIHC	PHF19	cg11054680	-0.0404147083254895	363	-0.763166704961471	0.445869403259291	0.00163334864903439	0.63778549889038
LIHC	PHF19	cg11594303	-0.0103368989922805	380	-0.199381540057386	0.842073234968338	0.000106851480776609	0.915500383495578
LIHC	PHF19	cg13501527	-0.372681895038179	380	-7.74606079757193	9.09601803449696e-14	0.138891794889248	6.04283199808417e-12

LIHC	PHF19	cg13793166	-0.0673742247917694	293	-1.14598243893094	0.252753713383058	0.00453928616629188	0.446717611298655
LIHC	PHF19	cg13851767	0.206885642587496	380	4.07850365874625	5.54733315689496e-05	0.042801669108841	0.000580976353806525
LIHC	PHF19	cg13852822	0.288469294812428	380	5.8108170608039	1.33691443927521e-08	0.0832145340495794	3.55568963722994e-07
LIHC	PHF19	cg14218513	-0.0391072469340299	378	-0.752818806438491	0.452037504538044	0.00152937676275919	0.642579498374312
LIHC	PHF19	cg27207079	0.132769461092975	380	2.58363771105194	0.0101571372150925	0.0176277297989191	0.0431713015631813
LIHC	PHF20	cg01512265	-0.0453514940627876	380	-0.875608861715844	0.381807719330502	0.00205675801372706	0.580272281210349
LIHC	PHF20	cg02674305	-0.0507985042184776	380	-0.981032656874459	0.327214221568452	0.00258048803083469	0.526737147960119
LIHC	PHF20	cg02957488	-0.0161445293543404	380	-0.31142499404542	0.755652006483125	0.00026064582807316	0.86371331882206
LIHC	PHF20	cg04179482	0.0155338749614782	380	0.299642684448356	0.764617072835041	0.00024130127131884	0.869403199749362
LIHC	PHF20	cg09692677	-0.147332572108667	374	-2.84973722417158	0.00462311084015538	0.0217068868041555	0.023281400452028
LIHC	PHF20	cg10372813	-0.0649154412718263	380	-1.2546901214038	0.21037898644918	0.00421401451551593	0.39605537857719
LIHC	PHF20	cg21765224	-0.126258705779794	380	-2.45483491674688	0.0145520583837097	0.0159412607851886	0.0570136397009625
LIHC	PHF20	cg23538717	0.0149541530765869	380	0.288457514597656	0.77315720688918	0.000223626694237995	0.874220640748009
LIHC	PHF20	cg23734815	-0.0452133017049692	380	-0.872935285017276	0.383261465315827	0.00204424265106457	0.581515104399661
LIHC	PHF20	cg25561939	0.0646651819602891	380	1.24983274133292	0.212146372646869	0.0041815857579573	0.398342524278281
LIHC	PHF20	cg27405321	-0.0588729488763749	377	-1.1328774120073	0.258001296166836	0.00346602410940026	0.452527514125378
LIHC	PHF20L1	cg02898212	0.243172695363105	380	4.83528582220565	1.94929514674115e-06	0.0591329597701576	3.0897201843028e-05
LIHC	PHF20L1	cg05307234	0.0238323846238614	380	0.459792983972346	0.645933421316162	0.000567982556859663	0.792382751637907
LIHC	PHF20L1	cg10591701	-0.335059903950216	380	-6.8588655898494	2.9053592902335e-11	0.112265139235128	1.2662158018175e-09
LIHC	PHF20L1	cg17646969	-0.076900114684485	380	-1.48760077969633	0.137703338964625	0.00591362763848695	0.297802862121041
LIHC	PHF20L1	cg24511731	-0.121155274715165	380	-2.35409963033965	0.0190869444232356	0.0146786005913072	0.0701857512980333
LIHC	PHF20L1	cg26292018	0.259388065726067	380	5.18019753373604	3.64039365533912e-07	0.0672821686411106	6.9208402742779e-06
LIHC	PHF20L1	cg27342122	0.0985405251116629	380	1.90987611290235	0.0569179854519137	0.00971023508928227	0.158455402241847
LIHC	PHF21B	cg01775414	-0.0947608497479228	380	-1.83594270260428	0.0671640896021606	0.00897961864494841	0.178875045478679
LIHC	PHF21B	cg01995480	-0.184802584150567	380	-3.62681260302337	0.000326963687223557	0.0341519951087276	0.00262603893081451
LIHC	PHF21B	cg05064352	-0.0504006243963038	380	-0.973329062111261	0.331022252674666	0.0025402229395373	0.530675207611857
LIHC	PHF21B	cg10080155	-0.0254686712901306	380	-0.491381336431524	0.623446547061519	0.000648653217284724	0.776891523791235
LIHC	PHF21B	cg11428482	-0.0193427703571507	380	-0.373139654430296	0.709257038034592	0.000374142765089466	0.834343076875642
LIHC	PHF21B	cg14786713	0.005741927153126	380	0.110748106002102	0.911875822584824	3.29697274318057e-05	0.953203412412411
LIHC	PHF21B	cg15679813	-0.127497928454253	380	-2.47932516676877	0.0136053772042135	0.0162557217601258	0.0541833067587072
LIHC	PHF21B	cg20495645	-0.122503040444417	380	-2.38068406206867	0.0177833229676397	0.0150069949181264	0.0665337289926689
LIHC	PHF21B	cg20525183	-0.0592879905197428	380	-1.14552041193776	0.252730041770043	0.00351506581986911	0.446696071010558
LIHC	PHF21B	cg21715212	-0.0373019346725649	380	-0.719954720598859	0.472004968422088	0.0013914343303163	0.660109237005859
LIHC	PHF21B	cg23080354	-0.071406995633065	380	-1.38077300692981	0.168177753562091	0.00509895902534056	0.341265607421838
LIHC	PHF21B	cg25561581	-0.0184051382059408	380	-0.355045590914781	0.722756645435093	0.00033874911237978	0.842917863360672
LIHC	PHF21B	cg25976257	-0.110693931590772	380	-2.14818883643021	0.0323439537216453	0.0122531464910226	0.104387883165519
LIHC	PHF23	cg00039960	0.124767336931519	380	2.42537707916364	0.01576766998942	0.0155668883649832	0.0606345237004551
LIHC	PHF23	cg01441172	0.231360226670364	380	4.58676176477148	6.16064432524784e-06	0.0535275544849623	8.54450284611036e-05
LIHC	PHF23	cg04379155	-0.228603554573113	380	-4.52907746128987	7.98996913240975e-06	0.0522595851634625	0.000107445403403057
LIHC	PHF23	cg11180288	0.131928756536806	380	2.56698722660654	0.0106489291685815	0.0174051968013479	0.044772350199461
LIHC	PHF23	cg13351208	0.0995954591688776	380	1.93052620448033	0.0543014199548599	0.00991925548705956	0.15326626021219
LIHC	PHF23	cg22033559	-0.285827398866868	380	-5.75284134354637	1.83419744524895e-08	0.0816973019429995	4.75156696822166e-07
LIHC	PHF23	cg26213471	-0.0867268795498718	380	-1.67905394005523	0.0939812211774093	0.00752155163645796	0.227805045188365
LIHC	PHF23	cg26784276	0.258087422653057	380	5.15236395671902	4.18265341848204e-07	0.0666091177316979	7.85575422591482e-06
LIHC	PHIP	cg01492710	0.102975318362182	380	1.9967308122713	0.0465826794948243	0.0106039161917928	0.136992135811453
LIHC	PHIP	cg04480383	-0.045884789328186	380	-0.88592687983138	0.376229254691621	0.00210541389169201	0.574712404804524
LIHC	PHIP	cg05801338	-0.16470531862081	380	-3.22070691750791	0.00139132790544863	0.0271278419819826	0.00884288914023452
LIHC	PHIP	cg06848288	0.0824350813691635	380	1.59538024824587	0.11147640092552	0.00679554264034061	0.257289358974661
LIHC	PHIP	cg08287994	-0.183750550964583	380	-3.60544248743079	0.000354085230789742	0.0337642649797878	0.0028079211461832
LIHC	PHIP	cg08587415	-0.151474455113362	380	-2.95563808682373	0.00331903489264588	0.0229445105518901	0.0178512859816437
LIHC	PHIP	cg15564972	-0.0352613564169157	380	-0.680519611415465	0.49659883388271	0.00124336325636076	0.681263506852268
LIHC	PHIP	cg19494004	-0.223599215772604	380	-4.42465250204983	1.27053845242011e-05	0.0499966092941237	0.000161506366527443
LIHC	PHIP	cg19950079	0.092132604013249	380	1.78457958286539	0.0751443608901282	0.00848841672226214	0.194147472968669
LIHC	PHIP	cg21607066	0.118672003427344	380	2.30515204582832	0.0217078074259431	0.0140830443974595	0.0775290226284923
LIHC	PHIP	cg21875336	-0.0720372479944883	380	-1.39302327745842	0.164444625858211	0.0051893650986194	0.336056257523591
LIHC	PHIP	cg26363168	-0.0499165163356797	380	-0.963956575848418	0.335693898615633	0.00249165860309017	0.535241563995502
LIHC	PHRF1	cg06063517	0.0950871621290405	380	1.8423224207616	0.0662236643552071	0.00904156840175443	0.17694671972691

LIHC	PHRF1	cg07530960	-0.0336121636669073	380	-0.648654456621306	0.516961963605562	0.00112977754637096	0.698009910384808
LIHC	PHRF1	cg08482978	-0.122131987785905	380	-2.37336378924933	0.0181342334983061	0.0149162224405363	0.0675348059154208
LIHC	PHRF1	cg12469954	-0.199642471082649	380	-3.92967354324971	0.000101415749745053	0.0398571162599862	0.000975100338112303
LIHC	PHRF1	cg12813709	-0.0408826368401717	380	-0.789175529597635	0.430512103766747	0.00167138999500536	0.624499032248044
LIHC	PHRF1	cg15219216	0.180381286880297	380	3.53708796263667	0.000455702473151371	0.0325374086565921	0.00346938992797568
LIHC	PHRF1	cg16143007	-0.0454009385931119	380	-0.876565466234279	0.38128839578696	0.00206124522513552	0.579708590729392
LIHC	PHRF1	cg18793109	-0.0640795714511706	380	-1.23846732353062	0.21632377547468	0.00410619147736567	0.403565750342381
LIHC	PHRF1	cg20152424	0.0594600213950811	380	1.14885604629023	0.251353499607761	0.0035354941443035	0.445021373915795
LIHC	PHRF1	cg21006161	0.0197511100771895	380	0.381019941851456	0.703405955574791	0.000390106349281258	0.830537032267634
LIHC	PPARGC	cg04893087	-0.115322927319761	380	-2.23920794660034	0.0257328714237246	0.0132993775655988	0.0880520342879802
LIHC	PPARGC	cg05158538	-0.151081204282969	376	-2.93189418016807	0.00357962739245212	0.0228255302875921	0.0189793264501593
LIHC	PPARGC	cg11270806	-0.139207792599062	380	-2.71134248987737	0.00701188870847933	0.0193788095203035	0.0324363959200476
LIHC	PPARGC	cg12691631	-0.144667911841096	380	-2.81991843018834	0.00506077678440633	0.0209288047164631	0.0250268939778848
LIHC	PPARGC	cg20723350	-0.16329084955055	380	-3.19228680813301	0.00153165900449132	0.0266639015469404	0.00956291176528072
LIHC	PPARGC	cg27461259	-0.151316107662024	380	-2.95247589859475	0.00335242065248575	0.0228965644379853	0.0179997385768152
LIHC	PPARGC	cg27514608	-0.150169207200585	380	-2.92957929872582	0.00360346775937333	0.0225507907912522	0.0190595710411129
LIHC	PRDM1	cg00555933	-0.131882748965503	376	-2.55916884074639	0.0108892558866933	0.0173930594746979	0.0455709705981718
LIHC	PRDM1	cg01761420	-0.0453745468842851	380	-0.87605486440548	0.381565538230241	0.00205884950495419	0.580005265564957
LIHC	PRDM1	cg05170275	-0.0897116805556697	380	-1.73730141830664	0.0831616449620813	0.00804818562812253	0.208625508164468
LIHC	PRDM1	cg08742502	-0.104512982960113	380	-2.02687354308882	0.043388151504619	0.0109229636072208	0.130005694956297
LIHC	PRDM1	cg14359052	-0.0582243180362823	380	-1.12489833935885	0.261357397357279	0.00339007121079015	0.456694460242861
LIHC	PRDM1	cg17143179	-0.0843414244993453	380	-1.63253534852204	0.103412884742654	0.00711347588657875	0.243910558641423
LIHC	PRDM1	cg17521665	0.158452346444304	380	3.09522127103131	0.00211560623568578	0.0251071460937057	0.0124315636754241
LIHC	PRDM1	cg17965230	-0.0460230599921896	380	-0.888602217871092	0.374791112687356	0.00211812205104468	0.573461436587144
LIHC	PRDM1	cg19464016	-0.115801256992901	380	-2.24862157740212	0.0251212875029645	0.0134099311211359	0.0865455666270592
LIHC	PRDM1	cg22186515	-0.0717663160960138	380	-1.38775694567371	0.166041727760121	0.00515040412599297	0.338337528664961
LIHC	PRDM1	cg22196848	-0.0547864884738757	380	-1.05827295063213	0.290617716611664	0.00300155931929812	0.488247805768011
LIHC	PRDM1	cg24040346	-0.023746183812902	380	-0.458128990582477	0.64712726853961	0.000563881245676129	0.79315937560099
LIHC	PRDM1	cg24793124	-0.164509899535484	380	-3.21677926334114	0.00140998588869132	0.02706330750451751	0.00893082903638274
LIHC	PRDM1	cg24874254	-0.0622953632219395	380	-1.20384761763933	0.229413948776821	0.00388071227895338	0.419454518928562
LIHC	PRDM1	cg26351406	-0.0992590185779321	376	-1.92135206595144	0.0554532231043806	0.00985235276905427	0.155516170595698
LIHC	PRDM10	cg04181189	0.0724409657825499	380	1.40087125599433	0.162086190316854	0.00524769352350856	0.332667083061258
LIHC	PRDM10	cg17627813	0.0275993022968274	380	0.532518919383944	0.594684570321428	0.000761721487271665	0.756189075721819
LIHC	PRDM12	cg09191327	0.0730093735970601	380	1.41192186249832	0.158808890949586	0.0053303686330351	0.32808097835765
LIHC	PRDM12	cg12539975	0.0106530835223079	380	0.205480894191715	0.837308819511019	0.000113488188533269	0.912917861067682
LIHC	PRDM12	cg13795948	0.0951228998131205	380	1.84302116293064	0.0661213288269699	0.00904836606885697	0.176752204479599
LIHC	PRDM12	cg13928649	0.0284445099159915	380	0.548839914806643	0.583444572850909	0.000809090144360936	0.748429171413367
LIHC	PRDM12	cg23342516	0.106758495759052	380	2.07091863694917	0.0390555750586845	0.0113973764167355	0.120356892969232
LIHC	PRDM13	cg00126261	0.0599543693263882	380	1.15844189809576	0.247426895078681	0.00359452640132496	0.440707204774955
LIHC	PRDM13	cg00579292	-0.0352721072271656	380	-0.680727352979309	0.496467501798498	0.00124412154824466	0.681191450049602
LIHC	PRDM13	cg01422797	0.011155722773977	380	0.215177178670131	0.829747102152312	0.000124450150609829	0.908594856415108
LIHC	PRDM13	cg01815538	-0.089645563586161	380	-1.73601066082595	0.0833899258669107	0.00803632707068044	0.209036408226154
LIHC	PRDM13	cg02400433	-0.111497836744433	380	-2.1639855461136	0.0311013444415368	0.0124317675986883	0.101386942234534
LIHC	PRDM13	cg03120185	0.0506695998131117	380	0.978536808678511	0.328444826418558	0.00256740834522089	0.528059134510989
LIHC	PRDM13	cg04910970	0.0629066633496451	380	1.2157075966125	0.224867254155319	0.00395724829378558	0.414147341027185
LIHC	PRDM13	cg11809464	-0.0152082669464623	380	-0.293360358046728	0.769410309657314	0.000231291383514859	0.872173247500745
LIHC	PRDM13	cg13738144	-0.113804113106056	380	-2.20932778753241	0.0277605484912519	0.012951376159856	0.0931795180953123
LIHC	PRDM13	cg14344102	-0.0572329378031511	380	-1.10568130368258	0.269579042391616	0.00327560916957937	0.465570696499354
LIHC	PRDM13	cg17879189	-0.0677078359831377	380	-1.30890513476781	0.19137447167276	0.00458435105351947	0.371850351650821
LIHC	PRDM13	cg17978124	0.0500084436272698	380	0.96573626490256	0.334803563447718	0.00250084443402182	0.534380852719675
LIHC	PRDM13	cg25273233	-0.0436236995021527	380	-0.842185178046776	0.400225416083074	0.00190302715825412	0.596801533808063
LIHC	PRDM13	cg25924096	-0.0533122184608825	380	-1.02971319513257	0.303813688652523	0.00284219263722086	0.502335432413059
LIHC	PRDM13	cg26507427	-0.0153784142234843	380	-0.296643191540845	0.766904484153499	0.000236495624029063	0.870795628576031
LIHC	PRDM14	cg00384539	0.0167894825730039	380	0.323869463252118	0.746218871978051	0.0002818867250692	0.857527678232414
LIHC	PRDM14	cg01295203	0.0192323500217563	380	0.371008755161041	0.7108422018491	0.000369883287359349	0.835352320980041
LIHC	PRDM14	cg04838988	0.0576491383067121	380	1.1137485821628	0.266106162254654	0.00332342314750642	0.461921251036204
LIHC	PRDM14	cg09050331	0.0286156289711694	380	0.552144373380799	0.581181004096619	0.000818854221415629	0.746748811691668

LIHC	PRDM14	cg10457247	0.0983526391672961	380	1.90619897298852	0.0573947892392241	0.00967324163117234	0.159383530880139
LIHC	PRDM14	cg11229513	0.108906370931968	380	2.11307858007024	0.0352595726989865	0.0118605976295714	0.111453040071709
LIHC	PRDM14	cg13267264	0.0978014468738308	380	1.89541270405913	0.0588126871591164	0.00956512301061475	0.162249518949477
LIHC	PRDM14	cg18035229	0.0585673821573038	380	1.13154911103138	0.258552956822607	0.00343013825275966	0.453209002119328
LIHC	PRDM14	cg21255438	0.0417555798711283	380	0.806055456067374	0.420725841888293	0.00174352845037417	0.615892290677122
LIHC	PRDM14	cg27029821	0.0216525863695779	380	0.4177717893799891	0.676394384106288	0.00046883449649203	0.813031902304767
LIHC	PRDM4	cg00090609	-0.036128078811134	380	-0.697268348624547	0.48607039915008	0.00130523807858351	0.6726082041922
LIHC	PRDM4	cg03909902	-0.048125987673771	380	-0.929297236798672	0.353337680403581	0.00231611068957596	0.55235816070485
LIHC	PRDM4	cg12900929	0.132911394098882	380	2.58644930907289	0.0100761270024029	0.0176654386813084	0.0428832115556067
LIHC	PRDM4	cg18440127	0.0387992256588652	380	0.748896263097807	0.454392992291381	0.00150537991172755	0.644681689025656
LIHC	PRDM4	cg25995916	0.0467459422464231	380	0.902589784340587	0.367327701481574	0.00218518311650592	0.566240463065382
LIHC	PRDM4	cg27140793	0.105104129636476	380	2.03846564832286	0.0422100892025246	0.0110468780666411	0.127353317209294
LIHC	PRDM5	cg05713693	-0.138708892755027	380	-2.70143447047576	0.00722003287991721	0.0192401569293256	0.0332096752711097
LIHC	PRDM5	cg06329345	-0.0902814065253859	380	-1.74842475954842	0.0812153880447614	0.008150732364202	0.20515878352884
LIHC	PRDM5	cg07070341	-0.199714991960039	380	-3.93116030213671	0.000100815534449989	0.0398860780135983	0.000970648971163671
LIHC	PRDM5	cg10416963	-0.157590310992526	380	-3.07795215249712	0.00223884654526707	0.0248347061187211	0.0130128714849912
LIHC	PRDM5	cg11171429	-0.0970566254704232	380	-1.88084010745622	0.0607745794147189	0.009419988547706	0.166182693532114
LIHC	PRDM5	cg13155001	-0.231743099159852	380	-4.59478269387625	5.94063211624766e-06	0.053704864008213	8.28217804393138e-05
LIHC	PRDM5	cg18181323	-0.22241764296125	380	-4.40005089807281	1.41542394801056e-05	0.0494696079004379	0.000177341746837709
LIHC	PRDM5	cg19294653	-0.221477665421774	380	-4.38049413915178	1.54175553864493e-05	0.0490523562806794	0.000191019008754408
LIHC	PRDM5	cg22135105	-0.257596313478215	380	-5.14186210719146	4.40693997084907e-07	0.066355860717567	8.23920903850595e-06
LIHC	PRDM8	cg01304890	0.00108235180841073	380	0.0208756579094527	0.983356037022688	1.17148543716998e-06	0.991358882722222
LIHC	PRDM8	cg02895669	0.147426460202032	380	2.87487226203208	0.00427428415767825	0.0217345611677013	0.0219061638950143
LIHC	PRDM8	cg04343891	-0.0356890823958076	380	-0.688784889288344	0.491387989052804	0.00127371060225474	0.67702809309413
LIHC	PRDM8	cg05007549	0.322204870709596	380	6.56455018923278	1.75637734031442e-10	0.103815978708988	6.68798917339305e-09
LIHC	PRDM8	cg07462804	-0.0409237285547259	380	-0.789970071037809	0.430048508081844	0.00167475155882089	0.624069447277917
LIHC	PRDM8	cg08074201	-0.107997932755357	380	-2.09524352377648	0.0368249939563091	0.0116635534794306	0.115194160595002
LIHC	PRDM8	cg10695325	0.0150190512836283	380	0.289709647702419	0.772199781182174	0.000225571901460258	0.873687620947252
LIHC	PRDM8	cg11571772	-0.051559400098295	380	-0.995766135062939	0.320011052997028	0.00265837173849606	0.519411753007005
LIHC	PRDM8	cg12572049	-0.0363139823135363	380	-0.70086099335127	0.483827917364379	0.00131870531146783	0.670626441041328
LIHC	PRDM8	cg14489346	-0.0590379549027335	380	-1.14067246827372	0.254740069184554	0.0034854801190972	0.448994017312984
LIHC	PRDM8	cg15656813	0.0640376025228041	380	1.23765284799736	0.216625406125451	0.00410081453686864	0.403915364654699
LIHC	PRDM8	cg16117799	-0.0265541157116515	380	-0.51233789835438	0.608718591890446	0.000705121061227777	0.766430164398494
LIHC	PRDM8	cg18624348	-0.110709437516672	380	-2.14849348688015	0.0323195911059896	0.0122565795552579	0.104339555567056
LIHC	PRDM8	cg19595012	-0.109060289149491	378	-2.11040482359062	0.0354941704700525	0.0118941466693706	0.112016770447913
LIHC	PRDM8	cg20142271	-0.0699217208764726	380	-1.35191013882488	0.177225444361978	0.00488904705032734	0.353460396315842
LIHC	PRDM8	cg26162932	-0.0862021491100506	380	-1.6688187410291	0.095994659368292	0.0074308105111914	0.231287429723021
LIHC	PRKAA1	cg00301775	-0.214578269182267	380	-4.23733692902818	2.85543504416446e-05	0.0460438336052573	0.000326430145225172
LIHC	PRKAA1	cg01883943	-0.158181671906531	379	-3.08564233088413	0.00218359010475335	0.0250214413271455	0.0127482332914958
LIHC	PRKAA1	cg03125217	0.0679941088671076	380	1.31446491583409	0.189499650030421	0.00462319884063209	0.369425780590567
LIHC	PRKAA1	cg05874655	0.0980681779681123	380	1.90063213797228	0.0581229667788142	0.00961736752998534	0.160858090969611
LIHC	PRKAA1	cg06971720	-0.0540781790595799	380	-1.04455063135523	0.296908991675377	0.00292444945039999	0.494926784340661
LIHC	PRKAA1	cg10786880	-0.0223846382472396	380	-0.431847474236817	0.666102459919796	0.000501072029459784	0.806246464669245
LIHC	PRKAA1	cg24728477	0.0810527257497685	380	1.56844884732476	0.117626606587243	0.00656954435146718	0.267106591906404
LIHC	PRKCD	cg02121118	0.00415956872080925	380	0.0802275501716871	0.936099421110956	1.73020119431347e-05	0.965919364994858
LIHC	PRKCD	cg02559423	0.0200876887449736	380	0.387515501798015	0.698596233309566	0.00040351523911494	0.827117696619553
LIHC	PRKCD	cg02630105	-0.0323911587473084	380	-0.625066037091287	0.532310941668157	0.00104918716499333	0.709773387239721
LIHC	PRKCD	cg10531918	0.297026496631975	380	5.99960641406268	4.69291254433069e-09	0.0882247397014646	1.3663190062637e-07
LIHC	PRKCD	cg13469346	0.0749601151958883	380	1.44985747039286	0.147940815323563	0.00561901887018085	0.312804526018374
LIHC	PRKCD	cg13889007	-0.0149501691788599	380	-0.288380650185869	0.773215991474074	0.000223507558476531	0.874232343362702
LIHC	PRKCD	cg13908523	-0.0662395854070255	380	-1.28039492776762	0.201204059996286	0.00438768267489462	0.384439853698909
LIHC	PRKCD	cg14727059	-0.0119300979910146	380	-0.230115773593509	0.818128294007354	0.000142327238075211	0.902165910116911
LIHC	PRKCD	cg21903826	-0.0576805988502803	380	-1.11435841035767	0.265844900240462	0.00332705148372696	0.461632548422021
LIHC	PRMT1	cg07702240	0.0525634711561925	380	1.01521095987283	0.310665105267844	0.00276291849998788	0.509495351130433
LIHC	PRMT1	cg08377944	-0.103863645626532	380	-2.01414284958376	0.0447139413269917	0.0107876568828339	0.132942958408352
LIHC	PRMT1	cg11787855	0.000644871015436135	380	0.0124378243036945	0.990082975470481	4.15858626549632e-07	0.994634610833836
LIHC	PRMT1	cg14258555	-0.012315661102009	379	-0.237234377629298	0.812605912896064	0.000151675508379537	0.899047027260703

LIHC	PRMT1	cg14576628	-0.0975350174449393	380	-1.89019958488228	0.0595083703807591	0.00951307962798461	0.163704309395692
LIHC	PRMT1	cg18880319	-0.106624707303587	380	-2.06829352357763	0.0393030461514754	0.0113688282075757	0.120937472205833
LIHC	PRMT1	cg22292364	0.103999737880748	380	2.01681081318559	0.0444332897693995	0.0108159454792644	0.132331968313643
LIHC	PRMT1	cg24228123	-0.0201379378384017	380	-0.388485259592245	0.697879198999993	0.00040553654038333	0.826728359955793
LIHC	PRMT1	cg25595446	-0.0566664484846135	380	-1.09470188247156	0.274355541457446	0.00321108638385935	0.470828013513817
LIHC	PRMT1	cg26846726	0.0568197139045169	380	1.09767229338526	0.273057599747788	0.00322847988819115	0.469342704268447
LIHC	PRMT2	cg04493422	0.0684340696533247	380	1.3230101464635	0.186644649549156	0.0046832218893161	0.3656629291025
LIHC	PRMT2	cg06725035	-0.169738243833802	376	-3.30408911654299	0.00104638563419538	0.0288110714197834	0.00697178177685809
LIHC	PRMT2	cg09031657	-0.0167520699743211	380	-0.323147570643771	0.746765053185122	0.000280631848424551	0.857802854933013
LIHC	PRMT2	cg10187059	-0.00686295867096084	379	-0.132193032773264	0.894903274838523	4.71002017193166e-05	0.944171783564407
LIHC	PRMT2	cg10657630	-0.0402838574746062	380	-0.777598100648891	0.437300217398944	0.00162278917303438	0.630174368559823
LIHC	PRMT2	cg12162201	0.0172806260198342	380	0.33334642020944	0.739060606798021	0.000298620035637372	0.853018352990141
LIHC	PRMT2	cg13271076	0.106588694430806	380	2.06758692093514	0.0393698859219427	0.0113611497804636	0.12109524376924
LIHC	PRMT2	cg17243659	-0.0687484911984708	380	-1.32911753971584	0.184623778230816	0.00472635504206622	0.36311427930647
LIHC	PRMT2	cg23283320	-0.161651636373669	380	-3.15937633258964	0.00171046454100027	0.0261312515422848	0.0104708749215121
LIHC	PRMT3	cg01769160	0.0650826832087061	380	1.25793631750925	0.209203817663734	0.00423575565364479	0.394617181303829
LIHC	PRMT3	cg04101203	-0.0867563014488066	380	-1.67962787440389	0.0938693329252356	0.00752665584107621	0.227633132343696
LIHC	PRMT3	cg06578097	-0.100727201237845	377	-1.94479743074329	0.052558753749669	0.0101459690692092	0.149623291587139
LIHC	PRMT3	cg13432154	-0.121222414766871	380	-2.35542364150611	0.0190200865794763	0.0146948738419113	0.0699862177354923
LIHC	PRMT3	cg13982511	0.00886013468957803	380	0.170894797205498	0.864399400738173	7.8501986717464e-05	0.927979230804612
LIHC	PRMT3	cg19653624	-0.126816324276235	380	-2.46585344998371	0.0141191442217406	0.0160823801029351	0.0556961972306721
LIHC	PRMT3	cg23019633	-0.131069618861543	380	-2.54997749091197	0.0111731785557098	0.0171792449885102	0.0464941536984882
LIHC	PRMT3	cg23071995	0.0705516614279757	380	1.36415045677666	0.173344961628062	0.00497753693024771	0.348274740312332
LIHC	PRMT6	cg00944433	-0.156758343607066	380	-3.06129222925468	0.00236396647341776	0.024573178290431	0.0136092953328692
LIHC	PRMT6	cg02990361	-0.476602916485957	380	-10.456363090854	1.31834313094594e-22	0.22715034000292	2.18211033040019e-20
LIHC	PRMT6	cg02993280	-0.327993166230951	380	-6.6965559284321	7.8939158980274e-11	0.107579517094204	3.2134970872378e-09
LIHC	PRMT6	cg09367891	-0.261411712683462	380	-5.22356345307938	2.92869372240452e-07	0.0683360835281009	5.69586998601843e-06
LIHC	PRMT6	cg14671364	-0.319811164477823	380	-6.51020166986759	2.43280712963911e-10	0.102279180924661	8.9908692562064e-09
LIHC	PRMT6	cg14828511	-0.251458265764401	380	-5.01096294092947	8.39007571153029e-07	0.0632312594212402	1.46476110839943e-05
LIHC	PRMT6	cg22528358	0.406334432671607	380	8.57708789277926	2.6611790607158e-16	0.165107671174557	2.43271167860546e-14
LIHC	PRMT7	cg00894222	-0.250287874515613	380	-4.98607725227348	9.46823640512171e-07	0.0626440201295431	1.63247336635647e-05
LIHC	PRMT7	cg02477175	-0.211649720181446	380	-4.17677434216711	3.68729450194646e-05	0.0447956040528844	0.000407630223794832
LIHC	PRMT7	cg06089844	-0.143768017316905	380	-2.80200597003088	0.00534421318264311	0.0206692428032338	0.0261509447937186
LIHC	PRMT7	cg06092312	0.121759589753549	380	2.36601799006953	0.0184924733372311	0.0148253976969527	0.0685179782242597
LIHC	PRMT7	cg06745885	-0.0963555453590566	380	-1.86712623397473	0.0626702942687018	0.00928439112144121	0.169992080625502
LIHC	PRMT7	cg09175928	-0.139062497614744	380	-2.70845675286302	0.00707194569966809	0.0193383782428506	0.0326578976469179
LIHC	PRMT7	cg09779635	-0.170249084206537	380	-3.33229337145617	0.000947720772715935	0.0289847506731645	0.00641718076357067
LIHC	PRMT7	cg10233539	-0.0578183257154903	380	-1.11702813409447	0.264703227348991	0.00334295878854252	0.460327251295254
LIHC	PRMT7	cg10446007	-0.087263499887476	380	-1.68952251538841	0.0919571882998401	0.00761491841261152	0.22427555903683
LIHC	PRMT7	cg11893236	-0.126786710203953	380	-2.46526821671185	0.0141418476268945	0.0160748698843412	0.0557659617947401
LIHC	PRMT7	cg19328639	0.0427817911230743	380	0.825901467348215	0.40938934588471	0.00183028165169836	0.605372365446124
LIHC	PRMT7	cg21918026	-0.0856533913290104	380	-1.65811637015184	0.098136923124368	0.00733650344616059	0.234899350713427
LIHC	PRMT7	cg26492318	0.0363386669480257	380	0.701338037290186	0.483530577166372	0.00132049871555954	0.670381524479705
LIHC	PRMT7	cg26561196	0.116131587269096	380	2.25512347348677	0.0247062853192205	0.0134865455616396	0.0854526391660787
LIHC	PRMT7	cg26796563	0.0314566213132873	380	0.607013740285667	0.544212096622916	0.000989519024447562	0.718406879989872
LIHC	PRMT8	cg01693063	0.0523169883265108	380	1.01043729350985	0.312942595185376	0.00273706726755627	0.511934733463382
LIHC	PRMT8	cg06029846	0.0592031946673396	380	1.14387627990935	0.253410475506514	0.00350501825881891	0.447431106027094
LIHC	PRMT8	cg07912789	0.032455806113273	380	0.626314879142386	0.531492549747403	0.00105337935046237	0.709161145291052
LIHC	PRMT8	cg10350722	-0.00936312695647809	380	-0.180597369290042	0.856781966535734	8.76681464031267e-05	0.923796718407847
LIHC	PRMT8	cg11596580	0.0305574639572383	380	0.589646379074698	0.555785699638701	0.000933758603497921	0.72716986020103
LIHC	PRMT8	cg19656577	0.116914465304763	380	2.27053590771767	0.0237462865295981	0.0136689921974987	0.082954717961451
LIHC	PRMT8	cg21667836	0.0823176647796682	380	1.59309235057533	0.111988771370487	0.00677619793477782	0.25818084637256
LIHC	PRMT8	cg23739862	0.0795691100976983	380	1.53955480487769	0.124519061749444	0.00633124328173963	0.277644761378488
LIHC	PRMT8	cg24100636	0.0623558555516331	380	1.20502118283617	0.228961139206341	0.00388825272157613	0.418940526920596
LIHC	PRMT8	cg27316886	0.0566124960840023	380	1.09365625870193	0.274813439347133	0.00320497471286117	0.471283572527629
LIHC	PWWP2E	cg00259755	-0.0315992206972592	380	-0.609768203532664	0.542387636768355	0.000998510748674095	0.7169917860349
LIHC	PWWP2E	cg05010219	0.000948238201770172	380	0.018288964334522	0.98541813628875	8.99155687296329e-07	0.992381657581867

LIHC	PWWP2E	cg15012692	-0.0144577889834155	380	-0.278880883897277	0.780491206472945	0.000209027662288971	0.878754365965067
LIHC	PWWP2E	cg15278699	-0.151549834461953	380	-2.95714348928089	0.00330324821699789	0.0229673523254454	0.0177823605143681
LIHC	PWWP2E	cg19919881	0.0818987804421051	380	1.58493080637248	0.113831741165145	0.00670741023790414	0.261091089194247
LIHC	PWWP2E	cg22633292	-0.0760064633614853	380	-1.4702124232246	0.142349499509399	0.00577698247272081	0.304765026784109
LIHC	PWWP2E	cg22664157	-0.0564213025482234	380	-1.08995091229191	0.2764402951597	0.00318336338123816	0.473039559834964
LIHC	PWWP2E	cg24520806	-0.0171990674192736	380	-0.331772673334112	0.74024775919795	0.000295807920092718	0.853796023292689
LIHC	PYGO1	cg06364757	-0.0847216618461461	380	-1.63994841491704	0.101861187436205	0.00717775998597273	0.241408553437282
LIHC	PYGO1	cg09275667	-0.192359941611467	380	-3.78071109866292	0.000182109912446585	0.0370023471367671	0.00160310979200679
LIHC	PYGO1	cg11480800	-0.160621109487242	380	-3.13870021594121	0.00183245984464827	0.0257991408129125	0.0110661683864748
LIHC	PYGO1	cg12686317	-0.176079679032997	380	-3.45000502510643	0.000624870414232152	0.0310040533683632	0.00452913155732564
LIHC	PYGO1	cg13878116	0.0484014969981151	380	0.934629689439394	0.350585454680306	0.00234270491165854	0.549601903542635
LIHC	PYGO1	cg17841803	-0.146856913680421	380	-2.86352059170608	0.00442698637398265	0.0215669530957387	0.0225137594284896
LIHC	PYGO1	cg19850348	-0.146927192424566	380	-2.86492116443543	0.00440788114972659	0.0215875998737654	0.022438601371668
LIHC	PYGO1	cg22510134	0.143706696327324	380	2.80078563052802	0.00536403712978128	0.0206516145693138	0.0262374971667146
LIHC	PYGO1	cg23030278	-0.181163219057201	380	-3.55293997514561	0.000429955052621114	0.0328201119391673	0.00329991351258948
LIHC	PYGO1	cg23412777	0.146571251716268	380	2.85782814062995	0.00450541507323318	0.0214831318296735	0.0228079639988431
LIHC	PYGO1	cg25902187	-0.10417059269641	380	-2.02016042702467	0.0440830475965353	0.0108515123827213	0.131581038434749
LIHC	PYGO2	cg01277844	0.261142010324783	380	5.21777958972571	3.01516307228951e-07	0.0681951495564693	5.8479580165966e-06
LIHC	PYGO2	cg02341811	-0.135845928690217	380	-2.64461705298557	0.00852478393033921	0.0184541163417077	0.0377233811761552
LIHC	PYGO2	cg04602755	0.162249496559659	380	3.17137644162488	0.00164314523310771	0.0263248991338627	0.0101329243174302
LIHC	PYGO2	cg10892866	-0.00407387812951648	380	-0.0785747678829139	0.937413105731036	1.65964830141527e-05	0.966551912185071
LIHC	PYGO2	cg14024356	0.148745401257043	380	2.90117141044324	0.00393876623998878	0.0221251943951187	0.0205177438939183
LIHC	PYGO2	cg18188585	-0.135116473768566	380	-2.63015138889288	0.00888911952081645	0.0182564614836515	0.0389676639243996
LIHC	PYGO2	cg24683561	-0.154556287179478	380	-3.01722878002736	0.00272651412522088	0.0238876459067053	0.0152660457648937
LIHC	PYGO2	cg27105205	0.0110136422110711	380	0.212436322867356	0.831883005810559	0.000121300314753488	0.909845722556891
LIHC	RBBP4	cg05797186	-0.280437612055825	380	-5.63500481877998	3.46146954316664e-08	0.0786452542555736	8.38622116602632e-07
LIHC	RBBP4	cg06526778	-0.0166908206677019	379	-0.321532700291835	0.747987806622234	0.000278583494561384	0.858607972901513
LIHC	RBBP4	cg09036220	0.0081053584323361	380	0.156335627490571	0.875853280746538	6.5696835316642e-05	0.934340215710097
LIHC	RBBP4	cg11229946	-0.115232964381288	380	-2.23743763322226	0.0258493182189414	0.0132786360800992	0.0883494513213097
LIHC	RBBP4	cg13641837	-0.121079448552613	379	-2.34627163879418	0.0194893068552012	0.0146602328618047	0.0713717995336593
LIHC	RBBP4	cg16148416	-0.0189656975357766	380	-0.365862932890033	0.714675318816454	0.000359697683018561	0.837755642608098
LIHC	RBBP4	cg16396527	-0.326011360254184	380	-6.65126564020871	1.04001540913852e-10	0.106283407014784	4.15120362947777e-09
LIHC	RBBP4	cg18758482	-0.0651603688909691	380	-1.25944424678064	0.20865955289353	0.00424587367400718	0.393857942878616
LIHC	RBBP4	cg20740619	0.202012914230269	380	3.97830527294796	8.34384891910021e-05	0.040809217515806	0.000822584441531468
LIHC	RBBP4	cg22358606	0.122646645500805	380	2.38351743096304	0.0176491123942033	0.0150421996526001	0.066139749004993
LIHC	RBBP4	cg22857567	-0.03335604319506	380	-0.643706264387329	0.520162568951584	0.00111262561763071	0.7005440660807
LIHC	RBBP4	cg23016766	-0.0161850896147535	380	-0.3122075987411	0.755057682096889	0.000261957125837602	0.863275755208109
LIHC	RBBP4	cg26131911	-0.00087458783576053	380	-0.0168684457471456	0.986550609142047	7.64903882460299e-07	0.992960550623424
LIHC	RBBP5	cg00960017	-0.136599236482524	380	-2.65956033768141	0.00816255033339412	0.0186593514076085	0.0364920085418115
LIHC	RBBP5	cg02189925	0.105173371409134	380	2.03982358926933	0.042073881342244	0.0110614380535635	0.127046365917732
LIHC	RBBP5	cg03143531	-0.27437148820135	380	-5.50307277581254	6.9617148833283e-08	0.0752797135378233	1.5669907725735e-06
LIHC	RBBP5	cg05290904	-0.0580503485498144	380	-1.12152585361334	0.262787517581881	0.00336984296675494	0.458173899304363
LIHC	RBBP5	cg07601985	0.138357751050399	380	2.69446214669439	0.00736982525407639	0.0191428672757241	0.0337192369473398
LIHC	RBBP5	cg07972983	0.111463369639038	380	2.16330818060225	0.0311537711665286	0.0124240827712887	0.101519560764417
LIHC	RBBP5	cg14717946	-0.0522662039123718	380	-1.00945376791551	0.313413197834763	0.00273175607140962	0.512475839696102
LIHC	RBBP5	cg18131828	-0.193285849025822	380	-3.7996137136027	0.000169246558642777	0.0373594194336329	0.00150886623688474
LIHC	RBBP5	cg21214746	-0.17274577848791	380	-3.38265322263945	0.000794176584130004	0.0298411039853942	0.0055350766948399
LIHC	RBBP5	cg23227967	-0.084434278088981	380	-1.63434554569995	0.103032245481765	0.00712914731640737	0.243324739370021
LIHC	RBBP5	cg24103461	0.07864247512377	380	1.52151343299797	0.128980578229618	0.00618463889359278	0.284530591403812
LIHC	RBBP5	cg26795850	-0.262480264799435	380	-5.24649186106931	2.60896734393414e-07	0.0688958894091814	5.14479101531084e-06
LIHC	RBBP7	cg01947226	-0.0504768526862685	379	-0.973493825206144	0.330942211112616	0.00254791265711125	0.530652284552734
LIHC	RBBP7	cg03048084	-0.042770328499458	380	-0.82567977607558	0.409514964905685	0.0018293009995155	0.605472378418763
LIHC	RBBP7	cg03171708	-0.0434859451945182	380	-0.839520690881639	0.401716371914077	0.00189102742946064	0.598302288528013
LIHC	RBBP7	cg03811055	-0.0495499216301037	380	-0.956859639121876	0.339259527441995	0.00245519473354942	0.538531580105748
LIHC	RBBP7	cg07096248	-0.0698726617050441	380	-1.35095694290604	0.177530335984743	0.00488218885374754	0.353868887916293
LIHC	RBBP7	cg08363715	-0.0530032643731762	380	-1.02372895744252	0.306628564325313	0.00280934603421281	0.505082430705199
LIHC	RBBP7	cg14719055	-0.165550177943036	380	-3.23769191775346	0.00131324414935705	0.0274068614169709	0.00841675031760438

LIHC	RBBP7	cg15289846	-0.0314036212277589	380	-0.605989995065776	0.544890969567985	0.000986187426216548	0.718975755566779
LIHC	RBBP7	cg15464143	-0.089862929079621	380	-1.74025422942098	0.0826413277266749	0.00807534602276899	0.207701982010434
LIHC	RBBP7	cg16978043	-0.0665768240852649	380	-1.28694261760182	0.198914506534759	0.0044324735052803	0.381621128051617
LIHC	RBBP7	cg17878446	-0.0451860048319161	380	-0.872407184451873	0.383549019834566	0.00204177503266994	0.581815232477512
LIHC	RBBP7	cg17880859	-0.0577901223056316	380	-1.11648142863102	0.264936742197155	0.00333969823609986	0.460538710756496
LIHC	RBBP7	cg21122900	-0.0595510905146746	380	-1.15062189462169	0.250626903138133	0.00354633238148696	0.444303961582474
LIHC	RING1	cg01241018	0.00523258270084362	380	0.10092378194198	0.919665335893176	2.73799217211679e-05	0.957692860457449
LIHC	RING1	cg01878788	-0.14194134351517	380	-2.76566768138148	0.00596386038579986	0.0201473449988916	0.0285316127453978
LIHC	RING1	cg02475416	-0.0870894480871744	380	-1.68612689067452	0.0926098221371962	0.00758457196812864	0.225457315078737
LIHC	RING1	cg03037740	0.0414105050629378	380	0.799382594014736	0.424578715575928	0.0017148299295676	0.619496156938945
LIHC	RING1	cg06316695	0.0726650968219557	380	1.40522849805079	0.160787886815773	0.0052802162961442	0.33078576365754
LIHC	RING1	cg06671577	0.101940730417074	380	1.97645801401875	0.0488411889843086	0.0103919125179665	0.141800763420239
LIHC	RING1	cg07946923	-0.0725715428198774	380	-1.4034097260617	0.161328853835773	0.0052666288272573	0.331565488093103
LIHC	RING1	cg08892712	-0.111075347324414	380	-2.15568310874949	0.0317492088987981	0.0123377327832392	0.1029381494154
LIHC	RING1	cg09478665	0.0890921341210135	380	1.72520733230857	0.0853206274862905	0.00793740836223666	0.212608760519827
LIHC	RING1	cg09724776	0.148610640106062	380	2.8984836042719	0.00397192012152315	0.0220851223527335	0.0206462350617247
LIHC	RING1	cg09832551	-0.327546105096531	380	-6.68633060348943	8.40197033036979e-11	0.107286450963908	3.40783566152652e-09
LIHC	RING1	cg09869033	-0.153323409290838	380	-2.992578888592	0.00295092224846411	0.0235080678365658	0.0162477206735804
LIHC	RING1	cg10265934	0.00951542735981954	380	0.183535225735292	0.854478077477414	9.05433578400022e-05	0.922366369660406
LIHC	RING1	cg12065531	0.00603162417203698	380	0.116335870270615	0.90744913550985	3.63804901527008e-05	0.9509449957766
LIHC	RING1	cg12115664	-0.184769143229709	380	-3.62613311415017	0.000327795140119556	0.0341396362898407	0.00263121599912384
LIHC	RING1	cg12256228	0.13914290481719	380	2.71005371670212	0.00703865316450411	0.0193607479609656	0.0325344617064126
LIHC	RING1	cg14046664	-0.261833316658068	380	-5.23260753246926	2.79828256091304e-07	0.068556685712164	5.46684062138797e-06
LIHC	RING1	cg14363494	-0.0589035638095541	380	-1.13806684678479	0.255824998043413	0.00346962982946621	0.450100639989807
LIHC	RING1	cg18189601	-0.159780095049916	377	-3.10922069658387	0.00202151719190297	0.0255296787741603	0.0119992300035785
LIHC	RING1	cg20505183	0.181670285002034	380	3.56322338071816	0.000413988526223116	0.0330040924527203	0.00319438835637781
LIHC	RING1	cg24536938	0.0957491710369479	380	1.85526716956724	0.0643489561568236	0.00916790375426271	0.173270661979992
LIHC	RING1	cg24550302	-0.292119585748423	380	-5.89116033997573	8.59006254292977e-09	0.08533385237783	2.384922646198e-07
LIHC	RNF17	cg00202166	-0.499764747516712	380	-11.1285446062964	5.02242003336256e-25	0.249764802860443	1.02819511598791e-22
LIHC	RNF17	cg01405147	-0.151419479301385	380	-2.95454019708187	0.00333059158550304	0.0229278587119027	0.0179072528718379
LIHC	RNF17	cg07131398	-0.289274551961664	360	-5.66967184529278	2.98428077410209e-08	0.0836797664126212	7.37950217865538e-07
LIHC	RNF17	cg12020676	-0.252687538416569	380	-5.03712587700201	7.38483401961113e-07	0.0638509920710252	1.3041901877903e-05
LIHC	RNF17	cg14855529	-0.178412744671808	380	-3.4972105676739	0.000527002902887159	0.0318311074613278	0.00391909605460316
LIHC	RNF17	cg15523998	-0.3213157045987	380	-6.54434557439634	1.98299394900946e-10	0.103243782021759	7.47046156267515e-09
LIHC	RNF17	cg17806989	-0.510112163443155	380	-11.438898808246	3.62376673480821e-26	0.260214419292656	8.00873037976335e-24
LIHC	RNF17	cg20477497	-0.204318775878304	380	-4.02568198614839	6.88641275997925e-05	0.0417461621764087	0.000699923692513491
LIHC	RNF17	cg21831927	-0.175897016845625	380	-3.44631171674935	0.000633203378988382	0.0309397605351899	0.00457716257805447
LIHC	RNF17	cg23678722	-0.235687246572087	380	-4.67754223255423	4.06972759326618e-06	0.0555484781967318	5.9332906370043e-05
LIHC	RNF17	cg24753530	-0.286472425152116	380	-5.76698302347939	1.69841725223101e-08	0.0820664503725347	4.43080723407308e-07
LIHC	RNF20	cg04845236	-0.0178503065966719	380	-0.344339108938945	0.730785847076909	0.000318633445595188	0.847859903214945
LIHC	RNF20	cg14625770	0.0203017115224462	380	0.391645950161574	0.695544081308007	0.000412159490740626	0.825458695349196
LIHC	RNF20	cg21219529	0.29695499939265	380	5.99802256473221	4.73482327170334e-09	0.0881822716642886	1.37594636383597e-07
LIHC	RNF217	cg00991794	-0.179885921468918	380	-3.52704907091212	0.000472747720130453	0.0323589447427218	0.00357682709004362
LIHC	RNF217	cg02312409	-0.166004880781849	380	-3.24683626696901	0.00127290655362265	0.027557620443396	0.00820282409149443
LIHC	RNF217	cg03113502	-0.163022713616731	379	-3.18261524181722	0.00158266364959314	0.0265764051549626	0.00983007871907773
LIHC	RNF217	cg06993703	-0.204343122064198	380	-4.02618257933533	6.87238983785297e-05	0.0417561115349437	0.000698680991957572
LIHC	RNF217	cg07439975	-0.103825309592127	380	-2.01339132750493	0.0447932668046062	0.010779694911901	0.133118668976488
LIHC	RNF217	cg10621825	-0.101685251552894	380	-1.9714528943749	0.0494127829405722	0.0103398903833754	0.143065169380285
LIHC	RNF217	cg16203203	-0.340459052453421	380	-6.98375022153255	1.33043372366259e-11	0.115912366397481	6.18278142763485e-10
LIHC	RNF217	cg17382198	-0.183747557926483	380	-3.60538170770989	0.000354165297184265	0.0337631650439461	0.00280826981236905
LIHC	RNF217	cg18192252	-0.233542202548418	380	-4.63250303043603	5.00332484883059e-06	0.0545419603711665	7.1300357810941e-05
LIHC	RNF217	cg19171596	-0.16086261488404	379	-3.13931670639729	0.00182908171969564	0.025876780867331	0.011050915136844
LIHC	RNF217	cg19478500	-0.279176831438108	380	-5.6075245390624	4.00807311362509e-08	0.0779397032118215	9.61764465766041e-07
LIHC	RNF217	cg20034100	-0.0290506890745713	380	-0.560545983828613	0.575444519947611	0.000843942535707415	0.742322413184241
LIHC	RNF217	cg23521835	-0.167712408558756	380	-3.28119475329411	0.00113138813919231	0.0281274519845791	0.0074374859641986
LIHC	RNF217	cg24822696	-0.0486233164500189	380	-0.93892313583764	0.348379434942563	0.00236422690259868	0.547600213406646
LIHC	RPH3A	cg00851732	0.0611108290826129	380	1.18087004862613	0.238408800284936	0.00373453343116432	0.430070126594001

LIHC	RPH3A	cg00854817	0.0891473888249308	380	1.72628587005411	0.0851262621311252	0.00794725693430339	0.212241136834311
LIHC	RPH3A	cg01119407	-0.012530554927513	380	-0.241699567075069	0.809146142946715	0.000157014806791421	0.896890461974033
LIHC	RPH3A	cg01573562	0.00414487600020153	380	0.0799441599102953	0.936324656516024	1.71799970570466e-05	0.966027961181502
LIHC	RPH3A	cg05967001	0.0377104244992589	380	0.727850041041335	0.467163254331587	0.00142207611591431	0.656262382308344
LIHC	RPH3A	cg08254200	0.0406119119927026	380	0.783940946414877	0.433573626897456	0.00164932739570302	0.627115863732651
LIHC	RPH3A	cg09384610	-0.00445342318801005	380	-0.0858953676168491	0.93159580550703	1.98329780915056e-05	0.963738834733392
LIHC	RPH3A	cg11596863	0.161965258423759	380	3.16567083423332	0.00167484182480957	0.0262327449362749	0.0102900525129707
LIHC	RPH3A	cg16403344	-0.024585341021993	380	-0.474328258227765	0.635544144896035	0.000604438993167691	0.785390949241164
LIHC	RPH3A	cg17453780	0.109530333238012	380	2.12533171979765	0.0342174377134507	0.0119968938992299	0.108920632983354
LIHC	RPH3A	cg18629535	-0.0132217194804494	380	-0.25503358293615	0.798838097840858	0.000174813866019694	0.890122765317859
LIHC	RPH3A	cg19712198	-0.0243849435540884	380	-0.470459653370356	0.638302365156415	0.000594625472136079	0.787302830283069
LIHC	RPH3A	cg20704159	0.0139434564439054	380	0.268957795347474	0.788111265098857	0.000194419977603087	0.883306839894835
LIHC	RPH3A	cg21900624	0.136493797619102	380	2.65746847609553	0.00821241129368409	0.0186305567884843	0.0366610582407756
LIHC	RPH3A	cg23199238	-0.0307014807143819	369	-0.584411000801569	0.559307848577362	0.000942580918055562	0.730141061734951
LIHC	RPH3A	cg23549179	0.0373756290510334	380	0.7213790639558	0.4711129459019817	0.00139693764696045	0.659499858476763
LIHC	RPH3A	cg23596620	-0.0212383679328958	380	-0.409723223152633	0.682244824109554	0.000451068272453056	0.816810189913185
LIHC	RTF1	cg04910470	-0.142292868577317	380	-2.7726583675299	0.00583982924700947	0.0202472604479615	0.0280781011397932
LIHC	RTF1	cg07091958	-0.0517875054797697	380	-1.00018335246929	0.317871924861467	0.00268194572381718	0.517160124700371
LIHC	RTF1	cg07129439	0.0759777669698226	380	1.4696541181027	0.142500656655366	0.00577262107372066	0.304954227658658
LIHC	RTF1	cg15581235	-0.0109347880762194	379	-0.210631485704739	0.833290478339667	0.00011956959027183	0.910590604421767
LIHC	RTF1	cg18782716	0.112723159308091	380	2.18807138053032	0.029285925007394	0.0127065106443974	0.0969723865678559
LIHC	RTF1	cg22263512	0.110604899587906	380	2.14643962368534	0.0324841426239204	0.0122334438128508	0.104730412135961
LIHC	RTF1	cg24280607	-0.0837252582376141	380	-1.62052416098119	0.105967045518192	0.00700991886695516	0.248239036722099
LIHC	RTF1	cg27576415	0.115174260059279	380	2.23628246486467	0.0259255487404435	0.0132651101802024	0.0885322039732261
LIHC	SATB1	cg01069104	-0.183629982878805	380	-3.60299418953261	0.000357323908403034	0.03371997061207	0.00282927797763925
LIHC	SATB1	cg01373248	0.17918427809616	380	3.5128345699695	0.000497906314605189	0.0321070055168419	0.00373556985614775
LIHC	SATB1	cg04004754	-0.0675722951930821	380	-1.30627287476432	0.192266864281646	0.00456601507766103	0.372886129834623
LIHC	SATB1	cg14415616	-0.244349281029648	380	-4.86016300037006	1.73251280352194e-06	0.0597065711397057	2.78239267211366e-05
LIHC	SATB1	cg19818826	-0.273339783971128	380	-5.4807055566423	7.82705337210842e-08	0.0747146375013829	1.74419303932914e-06
LIHC	SATB1	cg26131754	-0.285532243648014	380	-5.74637314526613	1.89977471637447e-08	0.0815286621626691	4.90674217415789e-07
LIHC	SATB1	cg26768584	0.177595779255841	380	3.48067380306615	0.00055952760887859	0.0315402608094892	0.00412313070049266
LIHC	SCML2	cg00457389	-0.0359968609751668	380	-0.694732565574956	0.487656593290608	0.00129577400006549	0.673868181580716
LIHC	SCML2	cg04189389	-0.28564953041123	380	-5.74894322037644	1.87344904343463e-08	0.0815956542241561	4.84357244549529e-07
LIHC	SCML2	cg05049545	-0.0356271898020959	380	-0.687588867779325	0.492140192144921	0.00126929665319456	0.677668403209466
LIHC	SCML2	cg06131666	-0.273304969808998	380	-5.47995114708761	7.85799229175341e-08	0.0746956065222973	1.74958400785537e-06
LIHC	SCML2	cg08300622	0.0131927790803165	380	0.254475254633925	0.799269029467067	0.000174049419862037	0.890386133752824
LIHC	SCML2	cg17710066	-0.166643913193781	380	-3.25969119659431	0.00121814031628807	0.0277701938045364	0.00791679262868121
LIHC	SCML2	cg17727916	-0.0657519174419213	380	-1.27092734255582	0.204548666995803	0.00432331464728924	0.388710921666744
LIHC	SCML2	cg22823767	-0.0523994164442383	380	-1.01203366938336	0.312179747664858	0.00274569884369671	0.51119203691673
LIHC	SCML2	cg26246138	-0.0230234872573203	380	-0.444178681756899	0.657171678239111	0.000530080965487989	0.800305070426179
LIHC	SCML4	cg00977377	-0.143127913064587	380	-2.78926897522601	0.00555443040759452	0.020485599498224	0.0269722991245173
LIHC	SCML4	cg03500965	-0.291297339663071	372	-5.80954407000113	1.36779057834623e-08	0.0848541400947823	3.63160069118999e-07
LIHC	SCML4	cg05603896	-0.29872114794611	380	-6.03717982476166	3.79847966313695e-09	0.0892343242302415	1.12399743976446e-07
LIHC	SCML4	cg08792995	-0.318673003619064	380	-6.48440881328293	2.83756781709339e-10	0.101552483235596	1.03733905433723e-08
LIHC	SCML4	cg17388996	-0.151383261964334	380	-2.95381693718898	0.00333822491210645	0.0229168920029623	0.0179371369534749
LIHC	SCML4	cg23503775	-0.297520240454895	380	-6.01054714390519	4.41314475490385e-09	0.0885182934803388	1.28872441089711e-07
LIHC	SCML4	cg27353361	-0.124328320973669	380	-2.416708732827	0.0161420580893127	0.0154575313961317	0.0617291091284468
LIHC	SCML4	cg27659622	-0.23211594770447	380	-4.60259579651729	5.73359189970523e-06	0.0538778131787443	8.03384452892054e-05
LIHC	SETD1A	cg26692825	-0.192310979918582	380	-3.77971182674718	0.000182814977731807	0.0369835129972454	0.00160790371709081
LIHC	SETD6	cg01152986	-0.133665019108363	380	-2.60138083502162	0.00965551096944934	0.0178663373332389	0.0414582636249775
LIHC	SETD6	cg01472538	-0.0705201793486209	380	-1.36353869252226	0.173537379842007	0.00497309569536166	0.348508323500249
LIHC	SETD6	cg01773760	0.000720440009370937	380	0.0138953472953176	0.988920922761752	5.19033807102395e-07	0.994186170754539
LIHC	SETD6	cg02549819	-0.128406974741852	368	-2.45668859960777	0.0144937068527784	0.0164883511623547	0.0568365475806556
LIHC	SETD6	cg05502081	-0.0311177618527462	380	-0.600468447287934	0.548559720807787	0.000968315102724224	0.721733441356396
LIHC	SETD6	cg09132913	-0.0524257233281136	379	-1.01118129519437	0.312588682111685	0.00274845646647591	0.511585632305516
LIHC	SETD6	cg19824325	-0.0905308075799216	380	-1.75329461468465	0.0803750697031374	0.00819582712107279	0.20367095024384
LIHC	SETD6	cg26666090	-0.0220016492958245	380	-0.424455189942882	0.671479247026519	0.000484072571736456	0.809713647531211

LIHC	SETD7	cg05316864	-0.121911781060887	380	-2.36901994221931	0.0183453295818337	0.0148624823614377	0.0681155292806973
LIHC	SETDB1	cg02060408	-0.388403967365179	380	-8.12951945191488	6.4737957196228e-15	0.150857641865011	4.97650656336301e-13
LIHC	SETDB1	cg08531528	0.188646526911431	380	3.70500562186683	0.00024346886647566	0.0355875121157453	0.00204783403596145
LIHC	SETDB1	cg10589385	-0.201277625173964	380	-3.96321242026152	8.86659031725887e-05	0.0405126823956706	0.000867413892279724
LIHC	SETDB1	cg10961700	-0.190426190941764	380	-3.74126687580283	0.000211982693170868	0.036262134196589	0.00182169594008361
LIHC	SETDB1	cg12082615	0.138867508155405	380	2.70458430274684	0.00715326645069776	0.0192841848212914	0.0329629907751204
LIHC	SETDB1	cg15448220	-0.249408625387447	380	-4.967397381988	1.03643184890136e-06	0.0622046624176561	1.76313534339454e-05
LIHC	SETDB1	cg16370685	-0.183962636813225	372	-3.57072411958964	0.000403763366003676	0.0338422517432744	0.00312789955137323
LIHC	SETDB1	cg17899625	0.237762130616038	380	4.72117715951433	3.32656254827525e-06	0.0565308307550781	4.95759783296025e-05
LIHC	SETDB1	cg17918089	0.224095164136298	380	4.43498478535176	1.21402426987335e-05	0.0502186425892745	0.000155284123726615
LIHC	SETDB1	cg19689029	-0.305913297922837	380	-6.19734668814853	1.52474641082386e-09	0.0935829458460264	4.8753030120687e-08
LIHC	SETDB1	cg26820223	-0.141878588927663	380	-2.76441980987715	0.00598624959523776	0.0201295339961047	0.0286158474260739
LIHC	SETMAR	cg00300090	-0.0111425413337042	380	-0.214922896846516	0.829945206880024	0.000124156227373306	0.908681067855353
LIHC	SETMAR	cg02520519	-0.0392698022365379	380	-0.757993199182713	0.448934966043772	0.0015421173676968	0.640192963694191
LIHC	SETMAR	cg06021447	-0.086751356007295	380	-1.67953140313712	0.0938881324539963	0.00752579776910444	0.227645463536673
LIHC	SETMAR	cg06267913	-0.0374923044120162	380	-0.723634155261639	0.46974515031471	0.00140567289012329	0.658503116564276
LIHC	SETMAR	cg14751177	-0.0370121652595471	380	-0.714354256111849	0.475456151295749	0.00136990037720003	0.663236080811809
LIHC	SETMAR	cg14961031	-0.128357380517247	380	-2.49631708984164	0.0129810495265432	0.0164756171332493	0.0522746745803675
LIHC	SETMAR	cg15232450	-0.0837619039910568	380	-1.62123845953818	0.105813759168608	0.00701605656020702	0.247975735264023
LIHC	SETMAR	cg15384599	-0.0667707703716481	380	-1.29070840078906	0.197606403035452	0.00445833577602336	0.379968543015673
LIHC	SETMAR	cg16423812	-0.119026928637725	380	-2.31214524140646	0.0213150836528945	0.0141674097409301	0.0764493138632216
LIHC	SETMAR	cg21901604	0.0306231729497295	380	0.590915509225736	0.554935882475111	0.000937778721509043	0.726534534521521
LIHC	SETMAR	cg22149154	-0.138033298095457	380	-2.68802067975529	0.00751069420831304	0.0190531913831093	0.0342108405200249
LIHC	SETMAR	cg23182840	-0.145243425346982	380	-2.83137780843207	0.00488667949654341	0.0210956526065242	0.0243392243264036
LIHC	SETMAR	cg23549342	-0.034408784867993	380	-0.664045828513882	0.507072338169078	0.00118396447609182	0.689925588980083
LIHC	SETMAR	cg24390964	-0.0405902595876002	380	-0.783522295188426	0.433819025913483	0.00164756917338877	0.627389152697678
LIHC	SETMAR	cg26797270	-0.10918823918868	380	-2.11861349014156	0.0347855051089465	0.0119220715771245	0.110340615064032
LIHC	SETMAR	cg27265118	-0.0640851865410838	380	-1.23857629401257	0.216283442677585	0.0041069111340055	0.403529214784632
LIHC	SFMBT2	cg09060610	-0.0657341026383609	379	-1.26887258326397	0.205282018964174	0.00432097224967056	0.38954017215178
LIHC	SFMBT2	cg12328063	-0.147417289430414	380	-2.87468945563805	0.00427670478565311	0.0217318572230104	0.0219156822406362
LIHC	SFMBT2	cg20299663	-0.180191167216634	379	-3.52848257232805	0.00047042412551806	0.0324688567428929	0.00356340549372463
LIHC	SFMBT2	cg25291138	-0.178610356969557	380	-3.50121169602613	0.000519403700420167	0.0319016596167927	0.00387183705159893
LIHC	SHPRH	cg00571935	-0.123507625329219	380	-2.40050800380203	0.0168628503190941	0.0152541335144627	0.0638333781498228
LIHC	SHPRH	cg02758840	-0.101095692848268	380	-1.95990427561956	0.0507531853311866	0.0102203391124714	0.145909558439697
LIHC	SHPRH	cg06708562	0.0391660958759748	380	0.75598835980564	0.450134620781093	0.00153398306616605	0.64110456947043
LIHC	SHPRH	cg11387577	0.00893951588039491	380	0.172426028091616	0.863196379907219	7.99149441758327e-05	0.927289161087896
LIHC	SHPRH	cg11675148	-0.0920245730947893	380	-1.78246917540599	0.0754882082928018	0.00846852205327821	0.194802948183183
LIHC	SHPRH	cg12989205	-0.0703895007379097	380	-1.36099937088345	0.174337785998593	0.0049546818141322	0.349645193861196
LIHC	SHPRH	cg14102550	-0.0619766011656513	380	-1.19766377966818	0.231810494910081	0.00384109909204621	0.422378864996718
LIHC	SHPRH	cg15443174	0.032248764998338	380	0.622315337049665	0.534115788754732	0.00103998284391803	0.711003362991224
LIHC	SHPRH	cg16339435	-0.00551034632768257	380	-0.106281324683472	0.915416437483714	3.03639166510047e-05	0.955263066407437
LIHC	SHPRH	cg18099523	-0.151583374213801	380	-2.95781332929968	0.00329624591858832	0.0229775193380413	0.0177508067970829
LIHC	SHPRH	cg26814539	-0.0329715709360921	380	-0.636278581360619	0.524986149534613	0.00108712448999375	0.704066276775142
LIHC	SHPRH	cg27398948	-0.0530872690860988	380	-1.02535604428442	0.305861500787435	0.00281825813901986	0.504370645927118
LIHC	SIN3A	cg01088093	0.0347368413392619	380	0.670384514030914	0.503028662343176	0.00120664814622905	0.686530900318103
LIHC	SIN3A	cg01664094	0.100755826432836	380	1.9532477233709	0.0515395860967706	0.0101517365601638	0.147542614933291
LIHC	SIN3A	cg02028562	-0.0695215011985799	380	-1.34413435166936	0.179724085016468	0.00483323912890415	0.356708148219306
LIHC	SIN3A	cg07544511	0.0647341824496433	380	1.2511719749165	0.211658012709121	0.00419051437742371	0.397740431473671
LIHC	SIN3A	cg10483776	0.102196208961637	380	1.98146352257785	0.0482751345269256	0.0104440651261305	0.140565895461949
LIHC	SIN3A	cg11184237	-0.0692955139759481	380	-1.33974397998611	0.181146432318233	0.00480186825719082	0.35838624540995
LIHC	SIN3A	cg15851274	0.101322429934925	380	1.96434548596166	0.0502341360220839	0.0102662348079177	0.144769740597984
LIHC	SIN3A	cg22059910	0.0995008610144513	380	1.92867420007646	0.054531898497547	0.00990042134261715	0.15373272374409
LIHC	SIN3A	cg25697800	-0.0667739588915744	380	-1.29077031232582	0.19758495003314	0.00445876158605367	0.379941754075492
LIHC	SIN3B	cg06815056	-0.123819583921472	380	-2.40666555005536	0.0165856173146375	0.0153312893624866	0.0630071674780069
LIHC	SIRT1	cg02720207	-0.0490718015775253	380	-0.947604256222778	0.343946107672793	0.00240804171006401	0.54326118061848
LIHC	SIRT1	cg03211233	-0.132368832741663	380	-2.57570240334978	0.01038892573961	0.0175215078813903	0.0439022265732642
LIHC	SIRT1	cg07832903	-0.0296367444198811	380	-0.571864025485445	0.567759482048726	0.000878336619809352	0.736420313561841

LIHC	SIRT1	cg10582690	0.0547001344239568	380	1.05659989889171	0.291379904628606	0.00299210470599894	0.488989738128349
LIHC	SIRT1	cg10705386	-0.042751268812228	380	-0.825311155577271	0.409723890773294	0.00182767098505538	0.605636823021864
LIHC	SIRT1	cg19192316	0.0756516510359022	380	1.46330959914057	0.144227092901283	0.00572317230445793	0.307439442804835
LIHC	SIRT1	cg19681528	0.0739403226920276	380	1.43002374838087	0.15354953649945	0.00546717131980117	0.320806570227964
LIHC	SIRT1	cg19980381	-0.0215170482665537	380	-0.415101901542871	0.678306610921722	0.000462983366105202	0.814311268190991
LIHC	SIRT1	cg25513531	0.0630082867955581	375	1.21604158284217	0.224742235025968	0.00397004420491131	0.414067767895276
LIHC	SIRT4	cg04118464	-0.00362569271623157	370	-0.0689839620114342	0.945040474329189	1.31456476725347e-05	0.970592224803487
LIHC	SIRT4	cg07106325	-0.0523653100588425	380	-1.01137313242722	0.312495243892143	0.00274212569755871	0.51154369961215
LIHC	SIRT4	cg08264848	-0.0784665366970301	375	-1.51400201897606	0.130879057909801	0.00615699738122638	0.287510389716632
LIHC	SIRT4	cg12124973	-0.0672291164808869	380	-1.29960852219867	0.194539949090283	0.00451975410280066	0.375926295383017
LIHC	SIRT4	cg20010714	0.00121760625164109	375	0.0234527700823586	0.981301720896514	1.48256498403548e-06	0.990365922983621
LIHC	SIRT4	cg21068152	-0.0275045415540281	380	-0.530689157276829	0.595950864907997	0.00075649980609726	0.757205180470261
LIHC	SIRT4	cg21123573	-0.0327730248903859	367	-0.621293927762858	0.534800538784807	0.00107407116046585	0.711439544353106
LIHC	SIRT5	cg01064902	-0.226502195241931	380	-4.48518310734583	9.72048030228129e-06	0.051303244449414	0.000127670951314481
LIHC	SIRT5	cg02206980	-0.292542830995342	380	-5.90049412430407	8.15727719530048e-09	0.0855813079667691	2.27124990025485e-07
LIHC	SIRT5	cg02712746	-0.175688724532672	380	-3.44210063249007	0.000642831159042823	0.0308665279279171	0.00463893716250865
LIHC	SIRT5	cg06139021	0.0546152760243198	380	1.0549558475367	0.292130194286215	0.00298282837521264	0.489867880355664
LIHC	SIRT5	cg07534331	-0.142231240858613	380	-2.7714327160273	0.00586140495071517	0.0202297258761808	0.02815747471716646
LIHC	SIRT5	cg07909422	-0.134929540332933	380	-2.62644505425266	0.0089846878310714	0.0182059808544565	0.0392936139605559
LIHC	SIRT5	cg08619119	-0.167250622637057	380	-3.27189981898181	0.00116815830990712	0.0279727707724834	0.00764239404263007
LIHC	SIRT5	cg10907941	-0.272783586391343	380	-5.46865574997269	8.33569190137956e-08	0.0744108850045231	1.84171205843772e-06
LIHC	SIRT5	cg11824369	-0.149528817215274	380	-2.91679989158497	0.00375093921795366	0.0223588671777989	0.0197202517754604
LIHC	SIRT5	cg19366958	0.0491394370901187	380	0.948913495466922	0.343280649331201	0.00241468427753373	0.542644364981777
LIHC	SIRT5	cg20150972	-0.0555783519486428	380	-1.07361588923719	0.283690794455334	0.0030889532053272	0.480930978314154
LIHC	SIRT7	cg11691214	-0.196897461117594	380	-3.87344696336833	0.000126768468802558	0.0387686101945543	0.00118091561034921
LIHC	SIRT7	cg12710567	-0.20481265411108	371	-3.98671883294764	8.10144748033891e-05	0.0419482232840248	0.000802756343504631
LIHC	SIRT7	cg17552093	-0.0139031713979176	380	-0.268180579524438	0.788708969614648	0.000193298174919875	0.883798478655824
LIHC	SIRT7	cg20397086	-0.185575169523176	375	-3.61795239025717	0.000338545577986733	0.0344381435435556	0.00270454042861983
LIHC	SMARCA	cg03460558	0.0413049516696592	380	0.797341519358975	0.425761343201364	0.00170609903243288	0.620438607378422
LIHC	SMARCA	cg06675660	0.0654322127169591	380	1.26472109225369	0.20676306571977	0.00428137446103738	0.391503612866101
LIHC	SMARCA	cg08617833	-0.0807509235901193	380	-1.5625702787669	0.119003978913612	0.00652071166065729	0.269198728989746
LIHC	SMARCA	cg12935118	0.0786806468058742	380	1.52225654825593	0.128794380780872	0.00619064418179072	0.284247214345574
LIHC	SMARCA	cg17420696	0.0938460937373588	380	1.81806152694668	0.0698588909752623	0.00880708930976114	0.184117714013265
LIHC	SMARCA	cg18959966	-0.119206514679251	380	-2.31568402025886	0.0211187308535676	0.0142101931419744	0.0759306072016657
LIHC	SMARCA	cg24447042	-0.250418230266184	380	-4.98884781197101	9.34187969200551e-07	0.0627092900496476	1.61390670388602e-05
LIHC	SMARCA	cg26010110	-0.114904331460813	380	-2.23097118563045	0.0262785612057221	0.0132030053884563	0.0894354007541317
LIHC	SMARCA	cg27353825	0.025546264802855	375	0.489555800646384	0.624740739472506	0.00065261164537759	0.777796725983432
LIHC	SMARCA	cg04518912	-0.153127862831653	380	-2.98867049363142	0.00298801932843403	0.0234481423753894	0.016406689415316
LIHC	SMARCA	cg13529335	0.133192033703788	380	2.59200906911983	0.00991763305953963	0.0177401178421511	0.0423341180630264
LIHC	SMARCA	cg14290704	-0.239559938481298	380	-4.75904052276765	2.78916138642509e-06	0.0573889641251631	4.24365208998329e-05
LIHC	SMARCA	cg21210735	-0.300886992044221	380	-6.08529176464504	2.89316721971574e-09	0.0905329819814189	8.76444901443016e-08
LIHC	SMARCA	cg08405378	-0.0403044303812207	380	-0.777995864834311	0.437065977667641	0.00162444710835466	0.6300352190538
LIHC	SMARCA	cg17218495	-0.0568799265167854	380	-1.09883928502455	0.272548830162988	0.00323532604055491	0.468950604775163
LIHC	SMARCA	cg17747332	0.10248520192653	380	1.98712614599267	0.0476414497786655	0.0105032166139216	0.139321063983216
LIHC	SMARCA	cg18522266	-0.0367042396715487	380	-0.70840307924608	0.479138634450179	0.00134720120986649	0.66652559641681
LIHC	SMARCA	cg23892580	-0.00710091383541389	380	-0.136960919257459	0.891135779899775	5.04229772979724e-05	0.942418343236566
LIHC	SMARCA	cg01278696	-0.0105472512894805	380	-0.203439331917458	0.83890289636598	0.000111244509763447	0.913772219544876
LIHC	SMARCA	cg01575392	-0.314815656379205	380	-6.39722526259208	4.7575661614942e-10	0.0991088975014694	1.66117640021221e-08
LIHC	SMARCA	cg02782292	0.241860680915141	380	4.80757194628851	2.22160167151956e-06	0.0584965889727356	3.46625111179688e-05
LIHC	SMARCA	cg05358385	-0.095725053319878	380	-1.8547955345436	0.0644164797253227	0.00916328583309348	0.173380466517377
LIHC	SMARCA	cg10878459	-0.327736264010278	380	-6.69067936340599	8.18209085301476e-11	0.107411058747415	3.32385157085864e-09
LIHC	SMARCA	cg12253543	-0.181613967604119	380	-3.56208110694728	0.000415734228527107	0.0329836332289101	0.00320595049306481
LIHC	SMARCA	cg13848802	-0.371955562328225	365	-7.57111698126711	3.19195151083172e-13	0.138350940346906	1.95062589028785e-11
LIHC	SMARCA	cg13898584	-0.0554820023461173	380	-1.07174893665595	0.284527623128828	0.00307825258433456	0.481835123725109
LIHC	SMARCA	cg16091845	-0.0669092602024734	380	-1.29339749643398	0.196676179279691	0.0044768491008423	0.378831006508971
LIHC	SMARCA	cg16587443	-0.289046145382384	357	-5.6486708041188	3.35149971718665e-08	0.0835476741604141	8.14770528121306e-07
LIHC	SMARCA	cg19993723	0.124899411889963	380	2.42798517497699	0.0156565365302046	0.0155998630904585	0.060317779429822

LIHC	SMARCA	cg20045045	-0.130257110816338	380	-2.53389633636148	0.0116898477131735	0.0169669149182198	0.0481571707794227
LIHC	SMARCA	cg22077701	-0.0603996510128814	380	-1.16707704329443	0.243926817947274	0.00364811784247786	0.436638743570073
LIHC	SMARCA	cg24607315	-0.352019563794222	378	-7.23427856135232	2.71571235080494e-12	0.123917773293874	1.43914255189727e-10
LIHC	SMARCB	cg01745726	-0.0751427830354023	380	-1.45341061862638	0.146952843236536	0.00564643784230555	0.311447465925085
LIHC	SMARCB	cg01912455	0.147820293134527	380	2.88272348179391	0.00417149225216698	0.0218508390623774	0.0214684485488938
LIHC	SMARCB	cg03979008	0.0893675605177692	380	1.73058364537506	0.0843553192512936	0.00798656087289714	0.210844933358024
LIHC	SMARCB	cg10122452	0.142986901403251	380	2.78646356198009	0.00560172737892095	0.0204452539729029	0.0271669657378583
LIHC	SMARCB	cg16142952	0.0216724142258242	380	0.418100588987828	0.676114818454073	0.000469693538375708	0.812834013611957
LIHC	SMARCB	cg19906397	0.160843874101007	380	3.1431687888671	0.00180543327685486	0.0258707518358207	0.0109335105355478
LIHC	SMARCC	cg02564102	-0.0186523150977899	380	-0.359815422305568	0.719189349990065	0.000347908858507241	0.840687837795481
LIHC	SMARCC	cg02627110	-0.118790480757516	380	-2.30748633964081	0.0215760207975025	0.0141111783186019	0.0771575324961346
LIHC	SMARCC	cg05592996	-0.189516482991924	377	-3.70768513411691	0.00024127046661552	0.0359164973256283	0.00203263966643792
LIHC	SMARCC	cg07143957	0.104358740604172	380	2.02384928166569	0.0437000439034637	0.0108907467404889	0.13068352484916
LIHC	SMARCC	cg07304068	-0.112864918041369	380	-2.19085854394311	0.0290818782408602	0.012738489724485	0.0965144676365975
LIHC	SMARCC	cg07474652	-0.0794818670809293	379	-1.53578763089942	0.125442826049958	0.00631736719467051	0.279103740411665
LIHC	SMARCC	cg12894336	-0.110985622504146	380	-2.15392005804755	0.0318882709208412	0.0123178084026328	0.103277108576849
LIHC	SMARCC	cg16250355	0.110083662821508	380	2.1361999274016	0.0333153199205463	0.0121184128201994	0.106734700514742
LIHC	SMARCC	cg20685352	-0.00767134957457696	380	-0.1479639862005	0.88245135724643	5.88496042953621e-05	0.937603060526493
LIHC	SMARCC	cg22984439	-0.0196570851739467	380	-0.379205398543964	0.704751700010939	0.000386400997535796	0.831520213405087
LIHC	SMARCD	cg02553054	0.00786174856248443	380	0.151636601195651	0.879555763715461	6.18070904597259e-05	0.936148382503975
LIHC	SMARCD	cg04550398	-0.0716698250311282	380	-1.385881442104	0.166613324888287	0.00513656381999252	0.339084813508421
LIHC	SMARCD	cg09878554	0.0457928829101624	380	0.884148651360842	0.377187039959987	0.00209698812522384	0.575723283431381
LIHC	SMARCD	cg13349421	-0.0330855530005879	380	-0.638480590037735	0.523553758371591	0.00109465381735471	0.70291129876349
LIHC	SMARCD	cg17846064	-0.00807845237969185	380	-0.155816631366274	0.876262078600317	6.52613928509488e-05	0.934542731453168
LIHC	SMARCD	cg18591973	-0.0159995280402448	380	-0.308627226004378	0.75777786817509	0.000255984897510579	0.864961285864556
LIHC	SMARCD	cg20405918	0.0201078893932564	380	0.387905353972845	0.698307945961182	0.000404327215851434	0.826977749248047
LIHC	SMARCD	cg22402853	0.0222042834166499	380	0.42836632112254	0.668632355990348	0.000493030202046915	0.807869984281464
LIHC	SMARCD	cg25107077	0.0687600057523224	380	1.32934120848473	0.184550078462871	0.0047279383910594	0.363033575339232
LIHC	SMARCD	cg00945038	-0.0560279507347583	380	-1.0823280997418	0.279807837283058	0.0031391312635365	0.476904911894447
LIHC	SMARCD	cg02127607	0.0941093095221737	380	1.82320625436319	0.0690745704567597	0.0088565621387403	0.182563944218019
LIHC	SMARCD	cg02360836	-0.188992608922686	380	-3.71205418165504	0.000237022868719279	0.0357182062274035	0.00200071354953312
LIHC	SMARCD	cg04367190	0.0110884566687285	380	0.213879556247152	0.830758161440546	0.00012295387129427	0.909217075141514
LIHC	SMARCD	cg06420487	-0.108669380972649	380	-2.10842532255035	0.0356623996270445	0.0118090343609788	0.112402589603205
LIHC	SMARCD	cg07362569	-0.0522532118300903	380	-1.00920215565251	0.313533665718874	0.00273039814656029	0.512568923621206
LIHC	SMARCD	cg11697258	-0.0636508945479957	380	-1.23014845850209	0.219418868785899	0.00405143637676007	0.407385954136759
LIHC	SMARCD	cg12577610	-0.203001629389994	380	-3.99861111789828	7.68654928368449e-05	0.0412096615349926	0.000767609005102633
LIHC	SMARCD	cg15868002	-0.152671191478328	380	-2.97954438414853	0.00307631021307797	0.0233084927074123	0.0167954576964129
LIHC	SMARCD	cg19016967	0.00406945502342488	380	0.078489455980559	0.937480919053679	1.6560464187678e-05	0.966579953041164
LIHC	SMARCD	cg19143629	-0.00593489961586071	380	-0.114470214405672	0.908926814210913	3.52230334503436e-05	0.951621147492173
LIHC	SMARCD	cg21254277	-0.0157004583013556	380	-0.302856803358176	0.762168274706992	0.000246504390872605	0.867824513134385
LIHC	SMARCD	cg23682543	-0.167348295619136	380	-3.27386561848722	0.00116029049765331	0.0280054520466298	0.00759829373522613
LIHC	SMARCD	cg24795630	-0.114592279519584	380	-2.22483168592498	0.0266918111888946	0.0131313905254945	0.0904737379473167
LIHC	SMARCD	cg25945412	-0.0691740387139767	380	-1.33738410237856	0.181914419544575	0.00478504763200275	0.359448587895931
LIHC	SMARCD	cg00864064	0.11599265782348	380	2.25238883070427	0.0248800995975991	0.0134542966689548	0.0858934262934067
LIHC	SMARCD	cg02917064	-0.0275805180176086	380	-0.532156207259169	0.594935488682305	0.000760684974119631	0.756396865505512
LIHC	SMARCD	cg14795305	0.00789759279030558	380	0.152328004017554	0.879010821807879	6.23719718814867e-05	0.935764168641293
LIHC	SMARCD	cg19786287	0.00921530248751435	380	0.177745865102632	0.859019310044045	8.49217999363881e-05	0.925088571189213
LIHC	SMARCD	cg19902439	-0.0430907208690935	380	-0.83187640335315	0.406012387786132	0.00185681022501813	0.602348107165444
LIHC	SMARCD	cg22750243	-0.0123197151333607	380	-0.237632094477242	0.812297278689705	0.000151775380967157	0.898837256747652
LIHC	SMARCD	cg22787816	0.0414442090406634	380	0.800034329864571	0.424201496986837	0.00171762246300621	0.619194427256741
LIHC	SMNDC1	cg03999743	0.00311623777864794	380	0.0601041094853321	0.952104992719754	9.71093789307267e-06	0.974733586930049
LIHC	SMNDC1	cg08770590	0.0432001519540971	380	0.833992940930541	0.404820165012577	0.00186625312885708	0.601278828413557
LIHC	SMNDC1	cg11559952	0.109101166709088	380	2.11690363500095	0.0349313681743887	0.0119030645772842	0.110694971516493
LIHC	SMNDC1	cg12486840	0.225387839363753	380	4.4619326626792	1.07773632479992e-05	0.050799678133061	0.00013994561784591
LIHC	SMNDC1	cg17981675	-0.0913616107173951	380	-1.76951944851702	0.07762643143324	0.00834694391287684	0.198653594095775
LIHC	SMNDC1	cg18209001	-0.0421532655937675	380	-0.813746036862158	0.416311007100786	0.0017768978002187	0.611893195121831
LIHC	SMNDC1	cg21872391	-0.00160753846649513	380	-0.0310051191729114	0.9752820848412	2.5841799212615e-06	0.986959386423026

LIHC	SMNDC1	cg23721301	-0.0389822985927866	380	-0.752435272033804	0.452265189446113	0.00151961960357717	0.642704216656563
LIHC	SMNDC1	cg26944434	0.0885559366783262	380	1.71474192120457	0.0872253850589715	0.00784215392097572	0.215971596972457
LIHC	SMYD1	cg00578637	-0.0168066848841624	380	-0.324201389896817	0.745967780477428	0.000282464656795531	0.85737144001272
LIHC	SMYD1	cg00666842	-0.0160303608815444	380	-0.309222137169534	0.757325675067146	0.000256972469992548	0.864631994933965
LIHC	SMYD1	cg03704645	-0.0212704870585261	380	-0.410343134433945	0.681790485650194	0.000452433619706928	0.816527026196038
LIHC	SMYD1	cg14559139	0.0681631407964762	380	1.3177478825137	0.188398996907324	0.00464621376324024	0.367962430403664
LIHC	SMYD1	cg16090764	-0.0222599678534534	380	-0.429441120404582	0.667850850547958	0.00049550616883678	0.807349801258976
LIHC	SMYD1	cg18148488	-0.0167820541481907	380	-0.323726128407708	0.746327308401867	0.000281637341432806	0.857578603731275
LIHC	SMYD1	cg19074493	0.041776378054294	380	0.806457648813878	0.420494278437311	0.00174526576333529	0.615714046020382
LIHC	SMYD2	cg01770831	-0.0785936944847671	380	-1.52056379543885	0.129218828130238	0.00617696881276491	0.284942617001716
LIHC	SMYD2	cg04406444	-0.164378964301193	380	-3.21414786351662	0.00142261541123554	0.0270204439047329	0.00900056467970539
LIHC	SMYD2	cg11523160	-0.134222801072229	380	-2.61243509225621	0.00935431375490227	0.0180157603276752	0.0404485289449651
LIHC	SMYD2	cg14013804	0.0111448612341434	380	0.214967649801802	0.829910340163539	0.000124207931928312	0.908659080711062
LIHC	SMYD2	cg27570636	0.0560207476348662	380	1.08218851471916	0.279869761863257	0.00313832416556936	0.476979105603781
LIHC	SMYD5	cg01329511	-0.364627751132579	380	-7.55266058968709	3.33542635836014e-13	0.132953396896002	2.02399499315342e-11
LIHC	SMYD5	cg05103132	-0.0202660601742883	380	-0.390957907275112	0.696052161427656	0.000410713194987876	0.82573932301609
LIHC	SMYD5	cg06754047	0.0977329008380775	380	1.89407145164365	0.058991024367006	0.00955171990622548	0.162614639793305
LIHC	SMYD5	cg08834152	0.0281416219302169	380	0.542991001174173	0.587461185612782	0.000791950884863262	0.751335875445259
LIHC	SMYD5	cg15623359	-0.0593986751705633	380	-1.14766654703273	0.251843775775159	0.0035282026120181	0.445635854168244
LIHC	SMYD5	cg17895873	-0.0172656648207594	380	-0.333057729860233	0.739278333045334	0.00029810318170281	0.853133249880269
LIHC	SMYD5	cg20402064	0.00184214995347651	380	0.0355301618875593	0.971676053151526	3.39351645109349e-06	0.98496147038081
LIHC	SMYD5	cg25886337	0.0183007538412685	380	0.353031280559992	0.724264946422736	0.000334917591158705	0.843841862952819
LIHC	SMYD5	cg26467949	-0.256543820320143	380	-5.11937001651908	4.92717073316721e-07	0.0658147317444537	9.10029249800593e-06
LIHC	SP100	cg05876232	0.0518589667724808	380	1.00156721909268	0.317203698982561	0.00268935243470927	0.51641155399314
LIHC	SP100	cg09456094	-0.332908124133522	380	-6.80930723943063	3.94964644097361e-11	0.1108278191141	1.6780928193834e-09
LIHC	SP100	cg11702456	-0.273766347845683	380	-5.48995092344485	7.45738211696753e-08	0.0749480132127634	1.66802640715173e-06
LIHC	SP100	cg11827097	-0.269181358587692	380	-5.3907575525361	1.24897349531715e-07	0.0724586038111156	2.65834867564165e-06
LIHC	SP100	cg23539753	-0.394294321295443	380	-8.275303683799	2.31769626711186e-15	0.155468011805834	1.88404245980878e-13
LIHC	SP100	cg27140170	0.0739613605547451	380	1.43043286339753	0.153432226930746	0.005470282855109	0.320643027802241
LIHC	SP140L	cg04002454	-0.316341169783604	380	-6.43166240127402	3.88156752060421e-10	0.100071735700059	1.38134795836177e-08
LIHC	SP140L	cg05217331	-0.164760561922985	380	-3.22181730236857	0.00138609471749549	0.0271460427651777	0.00881466953754959
LIHC	SP140L	cg13278004	-0.361817098239707	380	-7.48563389080539	5.20458915413236e-13	0.130911612578602	3.07255244465574e-11
LIHC	SP140L	cg24044052	-0.432626301828135	380	-9.25514717687929	1.72088902003436e-18	0.187165517033488	1.96585668758521e-16
LIHC	SP140L	cg25095994	-0.444385049867155	380	-9.56758779258134	1.55956750620134e-19	0.197478072545434	2.00537181119714e-17
LIHC	SP140L	cg26847438	-0.337226220104712	380	-6.90888085659678	2.12759996141725e-11	0.113721523526111	9.4687935582662e-10
LIHC	SSRP1	cg01511567	0.0505115111185076	380	0.975475960950577	0.329958118868944	0.00255141275547512	0.529635033514714
LIHC	SSRP1	cg01766191	-0.0218564258094935	380	-0.421652199145003	0.67352244687455	0.000477703349165896	0.811162915936737
LIHC	SSRP1	cg02688348	0.107863148118768	380	2.09259779662031	0.0370622042090711	0.0116344587220914	0.115736075555575
LIHC	SSRP1	cg04937561	-0.0292096009332673	380	-0.563614870169547	0.573355852133531	0.00085320078668073	0.740739768510769
LIHC	SSRP1	cg08821673	-0.0976673551133459	380	-1.89278893230015	0.0591619735673482	0.00953891225483642	0.16299970046821
LIHC	SSRP1	cg09381635	-0.0512850623282459	379	-0.989121692117956	0.323248253116792	0.00263015761801207	0.522672589110066
LIHC	SSRP1	cg11948159	-0.0816654682217371	380	-1.58038531703113	0.114868513359473	0.00666924869987556	0.262725461684851
LIHC	SSRP1	cg12795368	0.0694640182699683	380	1.34301758113154	0.180085091994649	0.00482524983421049	0.35714933071513
LIHC	SSRP1	cg12911972	-0.0196474588015546	380	-0.37901962418509	0.704889530832796	0.000386022637358784	0.831604843636347
LIHC	SSRP1	cg16313264	0.0512713574731087	380	0.990188467473721	0.322725624234704	0.0026287520971353	0.52210866388792
LIHC	SSRP1	cg22636253	-0.026580385051275	380	-0.512845099922357	0.608364072369813	0.000706516869474041	0.766157395679875
LIHC	SSRP1	cg26706201	-0.0799924974743989	380	-1.5477993946066	0.122520884343657	0.00639879965219171	0.274605281222688
LIHC	STK31	cg00755064	-0.759884409568272	380	-22.5458572326236	1.4223977954661e-71	0.577424315904922	1.70236944769984e-68
LIHC	STK31	cg05000488	-0.585016967869101	380	-13.9125841709049	0.101614536466509e-35	0.342244852694757	3.51333388883359e-33
LIHC	STK31	cg05407490	-0.54780961302231	380	-12.6293699863033	1.12799832226301e-30	0.300095372119653	3.20260954314338e-28
LIHC	STK31	cg11755819	-0.717553516003724	380	-19.8702138625956	2.12263309541764e-60	0.514883048329306	1.8553721238755e-57
LIHC	STK31	cg13313214	-0.635067650357998	380	-15.8568681851873	1.26182741785661e-43	0.403310920531228	5.74050304939984e-41
LIHC	STK31	cg13514718	-0.501938069353299	380	-11.1931911198894	2.91288706390098e-25	0.251941825466117	6.01074631960511e-23
LIHC	STK31	cg13802883	-0.182508726931098	376	-3.56093302349097	0.000418037842698214	0.0333094354060102	0.0032217986858396
LIHC	STK31	cg14898779	-0.406263012967075	380	-8.57528229433674	2.69626800282731e-16	0.165049635705086	2.46189522314492e-14
LIHC	STK31	cg17102984	-0.324249908096284	380	-6.61109349643331	1.32661981628755e-10	0.105138002900449	5.17827706915572e-09
LIHC	STK31	cg17331904	-0.693517350112622	380	-18.5665421694063	6.3160618511495e-55	0.480966314907232	4.54955292266967e-52

LIHC	STK31	cg21519371	-0.383651533753151	380	-8.01275538064108	1.46089815066023e-14	0.147188499351145	1.07520445347646e-12
LIHC	STK31	cg25570411	-0.285697924576757	380	-5.75000375142241	1.86268982117278e-08	0.0816233041074661	4.81895882767927e-07
LIHC	STK31	cg25612145	-0.681774711248267	380	-17.9746773971904	1.91811747450632e-52	0.464816756897658	1.25393303203147e-49
LIHC	SUV39H	cg05903800	-0.0449134007080121	380	-0.867133339907803	0.386427936601635	0.00201721356315846	0.584404644245482
LIHC	SUZ12	cg00160853	-0.00829552963828383	380	-0.160003886911568	0.872964855967621	6.88158119796454e-05	0.932702437520586
LIHC	SUZ12	cg01109633	0.0638194795492978	380	1.23341992188928	0.218197910732941	0.00407292596994323	0.405816397330937
LIHC	SUZ12	cg07482957	-0.0189020228016332	380	-0.364634158394868	0.715591705653614	0.000357286465993462	0.838296281259766
LIHC	SUZ12	cg08177746	0.0602672602920175	380	1.1645095774538	0.244963820055474	0.00363214266310579	0.437853902933979
LIHC	SUZ12	cg17335595	-0.104862289125411	380	-2.03372300752604	0.0426887406164947	0.0109960996806213	0.128419485209574
LIHC	SUZ12	cg25098644	0.0187947969173891	380	0.362564957865253	0.717135789147227	0.000353244391165899	0.839250877549594
LIHC	TAF3	cg00194465	-0.110621193274816	380	-2.14675974201997	0.0324584480614216	0.0122370484015443	0.104683574830655
LIHC	TAF3	cg02334915	0.0937582641725937	380	1.8163449253808	0.0701222165887065	0.00879061210065787	0.184611584733894
LIHC	TAF3	cg03672997	0.0424464397774433	380	0.81941578612613	0.413073894113615	0.00180170024978012	0.608639648794308
LIHC	TAF3	cg04179819	0.0554766833343349	380	1.07164587179435	0.284573868935725	0.00307766239377807	0.481860992098597
LIHC	TAF3	cg04234156	0.0497247229285987	380	0.96024358314437	0.337556341043097	0.00247254807032591	0.537022828241513
LIHC	TAF3	cg05976695	-0.132141128427086	380	-2.57119280172002	0.0105227458005904	0.0174612778219837	0.0443376746363607
LIHC	TAF3	cg07855525	-0.103226373978327	380	-2.00165124350472	0.0460480230692843	0.0106556842847135	0.135840882281745
LIHC	TAF3	cg09871669	0.040823929720679	380	0.788040387054454	0.431174936903328	0.00166659323783893	0.625145799937705
LIHC	TAF3	cg09994553	-0.0715546711059702	363	-1.3516580389312	0.177345345696572	0.00512007095708357	0.353608873875311
LIHC	TAF3	cg11104088	-0.0363793814662515	380	-0.702124870228429	0.483040363958598	0.00132345939586704	0.669955214495904
LIHC	TAF3	cg12176426	0.0670074429063429	380	1.29530398283977	0.196018632494219	0.0044899974048468	0.377948137315173
LIHC	TAF3	cg12590721	-0.0713785939336786	380	-1.38022099985915	0.168347463211968	0.00509490367194898	0.341443908465737
LIHC	TAF3	cg12777293	0.0559736784902775	380	1.08127639109732	0.28027464057622	0.00313305268373295	0.477501760522677
LIHC	TAF3	cg27268107	0.0559253627960777	380	1.08034011888909	0.280690653832996	0.00312764620387291	0.477896540407164
LIHC	TCEA1	cg01677098	-0.297639245110487	380	-6.01318492527121	4.34817100964023e-09	0.0885891202299404	1.27118232064619e-07
LIHC	TCEA1	cg06047473	-0.175876377405998	375	-3.44125972872934	0.000644953239259083	0.0309325001294571	0.00465129250903134
LIHC	TCEA1	cg11530293	0.00714199977251118	380	0.137753416401384	0.890509832171471	5.10081607505498e-05	0.942087065654309
LIHC	TCEA1	cg11787876	-0.0356672123710548	380	-0.688362268833961	0.491653713111745	0.00127215003832192	0.677222376605988
LIHC	TCEA1	cg12850379	0.00299806089625008	380	0.0578247643629983	0.953919259659404	8.98836913762386e-06	0.975563901850235
LIHC	TCEA1	cg23569945	-0.0943776779102378	380	-1.82845208999425	0.0682823287746186	0.00890714608772858	0.181072930348128
LIHC	TCEA1	cg26181865	-0.248040216325456	380	-4.93835122101198	1.19225563754467e-06	0.0615239489147788	1.99979161421194e-05
LIHC	TCEA1	cg26358945	-0.112623617364087	380	-2.18611433568791	0.0294299372702539	0.0126840791881722	0.0972918808431977
LIHC	TDRD1	cg00337703	-0.110657368386826	380	-2.14747047242445	0.0324014631813183	0.0122450531782977	0.104531068344798
LIHC	TDRD1	cg02635786	-0.236723993163123	365	-4.603617025363	5.78097528633585e-06	0.0560382489390942	8.09294927884131e-05
LIHC	TDRD1	cg16550453	-0.373582054004041	380	-7.76780072930535	7.84874537670781e-14	0.139563551073878	5.26366636065179e-12
LIHC	TDRD1	cg23504215	-0.436456616708378	380	-9.35626722413182	7.95296076645724e-19	0.190494378268524	9.4312900894173e-17
LIHC	TDRD1	cg23825092	-0.426242317442896	380	-9.08797488996282	6.09675333476718e-18	0.18168251317909	6.68015252006871e-16
LIHC	TDRD1	cg24203376	-0.264206386977687	380	-5.28357388789531	2.1622186723918e-07	0.0698050149198032	4.34308389878769e-06
LIHC	TDRD1	cg26600802	-0.447497549908476	380	-9.65130652519896	8.13103983428145e-20	0.200254057174089	1.07211205570863e-17
LIHC	TDRD1	cg27547703	-0.327158649727014	374	-6.62340317575445	1.25516040362027e-10	0.107032782091203	4.92156998181631e-09
LIHC	TDRD3	cg01557749	-0.0787855628804534	380	-1.5242990587438	0.128283682757377	0.00620716491838987	0.283429598341634
LIHC	TDRD3	cg03447530	-0.168318527445755	380	-3.29339822900608	0.00108474222920434	0.0283311266815075	0.00718304707003082
LIHC	TDRD3	cg05666423	-0.178146928311903	380	-3.49182917607424	0.000537387720728213	0.0317363280669664	0.00398426429247091
LIHC	TDRD3	cg10765900	0.223543691326622	380	4.42349596524458	1.27701894412614e-05	0.0499717819319322	0.000162089103833168
LIHC	TDRD3	cg18522102	0.182987774232632	380	3.58995610749453	0.000375044639197998	0.0334845255186128	0.00294649794604818
LIHC	TDRD3	cg19937698	0.040558900395117	380	0.782915964303203	0.43417457920146	0.00164502440126102	0.627650147142781
LIHC	TDRD3	cg20944895	-0.23282705071995	380	-4.6175030258669	5.35764011100901e-06	0.0542084355469504	7.56154308410441e-05
LIHC	TDRD3	cg22045829	0.0511533442286199	380	0.987903326460952	0.323842111425722	0.00261666462577168	0.523196818745901
LIHC	TDRD3	cg23103367	-0.0935326886322959	380	-1.81193631744849	0.0708022432692668	0.00874836384278601	0.185898603155332
LIHC	TDRD3	cg23767211	0.0658749395498957	380	1.27331560705592	0.20370116180834	0.00433950766070241	0.38756427758066
LIHC	TDRD3	cg26737458	-0.0248470922932113	380	-0.479381363603346	0.631949041672511	0.00061737799542736	0.783006462394026
LIHC	TDRD5	cg05378938	-0.0970471855514319	380	-1.88065543386511	0.0607997869797269	0.00941815622345406	0.166222408304371
LIHC	TDRD5	cg07171496	-0.202038884586462	380	-3.97883847945946	8.32592708039903e-05	0.0408197108849416	0.000821025695642746
LIHC	TDRD5	cg07901138	-0.199329393268397	380	-3.92325587033494	0.000104045686094327	0.0397322070207471	0.000996814052219469
LIHC	TDRD5	cg09656934	-0.017959780660354	380	-0.346451583995194	0.72919924133249	0.000322553721368026	0.846828174900276
LIHC	TDRD5	cg11853788	-0.0286583460830724	380	-0.552969285727873	0.580616579611325	0.000821300800217154	0.746389537355654
LIHC	TDRD5	cg12277666	-0.139682215160455	380	-2.72076634974041	0.00681895217953983	0.0195111212321317	0.0317363784537913

LIHC	TDRD5	cg13848905	-0.0808134824110822	380	-1.56378877758429	0.118717441797264	0.00653081893940629	0.26877087093814
LIHC	TDRD5	cg15545772	-0.167027401518176	380	-3.26740756713893	0.00118632403574411	0.027898152857914	0.00774235671448637
LIHC	TDRD7	cg24339935	0.0889538857145544	380	1.72250887898797	0.085808499384551	0.007912793783718	0.213475740362065
LIHC	TDRD9	cg07613153	0.17921206554311	377	3.49920180359098	0.000523684776277223	0.0321169644362278	0.00389814692237205
LIHC	TDRD9	cg08933517	0.0612435040990561	380	1.18344342500677	0.237389167418916	0.0037507667943311	0.428817463664774
LIHC	TDRD9	cg16701547	0.13080574946685	380	2.54475441781421	0.0113387121528096	0.0171101440935843	0.0470269111913241
LIHC	TRIM24	cg00733782	-0.0675222338094625	380	-1.30530067970505	0.192597234824742	0.00455925205861973	0.373312801444026
LIHC	TRIM24	cg02308366	-0.0359446671885726	380	-0.693723931306794	0.488288297484865	0.00129201909929725	0.674326973783968
LIHC	TRIM24	cg06386929	-0.0740117913451786	380	-1.43141357890351	0.153151295366284	0.00547774525812225	0.320287928652543
LIHC	TRIM24	cg06650216	-0.15356644749816	380	-2.99743700489105	0.00290539911476347	0.0235826537972051	0.0160413498036841
LIHC	TRIM24	cg10571650	-0.0535460819654289	380	-1.034243174664	0.301694367158669	0.00286718289384843	0.500096132593413
LIHC	TRIM24	cg10703331	-0.0603966069799934	380	-1.16701800938133	0.243950626980373	0.00364775013469579	0.436644849074181
LIHC	TRIM24	cg13935558	-0.0395474851703123	380	-0.763361454531896	0.445731697450601	0.00156400358329607	0.637694028893979
LIHC	TRIM24	cg26889928	-0.00110478835054326	380	-0.0213083990389702	0.983011068470915	1.22055729949609e-06	0.991201532093721
LIHC	TRIM33	cg00760200	0.0669403034823006	380	1.2940002827476	0.19646810329459	0.0044810042303025	0.378552065082336
LIHC	TRIM33	cg02852257	-0.00491043901484648	380	-0.0947102597379202	0.924595962308963	2.41124113185265e-05	0.96020846285371
LIHC	TRIM33	cg05792124	-0.0904664043417604	380	-1.75203703229118	0.0805913898311614	0.00818417031452688	0.204066223367684
LIHC	TRIM33	cg16036305	0.0140879234510483	380	0.271744995315685	0.785968848973723	0.000198469587162596	0.881960284406679
LIHC	TRIM33	cg17645130	-0.00399919716679597	380	-0.0771343384313603	0.938558145112213	1.59935779789089e-05	0.96716506617646
LIHC	TRIM33	cg18199720	0.152582548887718	380	2.97777317939844	0.00309372013108166	0.0232814342250729	0.0168739300201477
LIHC	TRIM33	cg20932765	-0.220288040152008	380	-4.35576171891884	1.71702566261183e-05	0.0485268206340126	0.00020972569382513
LIHC	TRIM33	cg20992663	-0.061741216947146	380	-1.19309766983042	0.233591508840334	0.00381197787011455	0.424470763091844
LIHC	TRIM33	cg21666217	0.0788879094499476	380	1.52629159510897	0.127787004353273	0.00622330225738313	0.282705671045914
LIHC	TRIM33	cg21813112	-0.221267723442665	380	-4.37612793532902	1.57139868180965e-05	0.0489594054374999	0.000194225276537496
LIHC	TRIM66	cg06492264	0.0770284558350301	380	1.4900982923036	0.137045756900104	0.00593338300832918	0.296882225844079
LIHC	TRIM66	cg11245569	0.181093555340379	369	3.49862424757479	0.000526096743715145	0.0327948757858188	0.00391347964052171
LIHC	TRIM66	cg12608775	0.0912999124546967	380	1.76831440960443	0.0778278984181583	0.00833567401423529	0.198979345653418
LIHC	TRIM66	cg13143389	0.0858136614423857	380	1.66124194534288	0.0975073582868691	0.00736398449014839	0.233780855874771
LIHC	TRIM66	cg27044202	-0.0489071901332681	380	-0.944417881729513	0.34556912635203	0.00239191324673164	0.544867237184171
LIHC	UBE2A	cg00142683	-0.101708268664311	380	-1.97190380942665	0.0493610576924861	0.0103445719146917	0.142973941549232
LIHC	UBE2A	cg00428314	-0.114933713896673	380	-2.23154930799266	0.0262399352767437	0.0132097585900823	0.0893586729521536
LIHC	UBE2A	cg00935924	-0.11574868186768	380	-2.24758681019498	0.0251878903223352	0.0133977573541054	0.0867048154186289
LIHC	UBE2A	cg05206294	-0.0663593648584631	380	-1.28272046658452	0.200388680575264	0.00440356530441863	0.383390399072136
LIHC	UBE2A	cg06206449	-0.0554379081725001	380	-1.07089454012877	0.284911150143907	0.00307336166254256	0.482139499421624
LIHC	UBE2A	cg06273903	-0.0738268221909926	380	-1.42781658201608	0.154183600471009	0.00545039967482043	0.321629113203545
LIHC	UBE2A	cg09080960	-0.103819536044375	380	-2.0132781463024	0.0448052237496919	0.0107784960644694	0.133144030573495
LIHC	UBE2A	cg14625604	-0.0993952434459408	380	-1.92660652444447	0.0547901843349447	0.00987941441967783	0.154211487161027
LIHC	UBE2A	cg15661671	-0.111620308673935	380	-2.16639249226392	0.0309156662340516	0.0124590933084646	0.100912740276583
LIHC	UBE2A	cg16211147	-0.107243209258481	380	-2.08043033596719	0.0381700009666435	0.0115011059320584	0.118279221102591
LIHC	UBE2A	cg17976175	-0.0680868157303505	380	-1.3162654700892	0.188895405377241	0.00463581447629871	0.368672800770645
LIHC	UBE2A	cg18990292	-0.083751630009523	380	-1.62103819855354	0.105856716756619	0.00701433552925203	0.248042693474832
LIHC	UBE2A	cg25165659	-0.0913248258417365	380	-1.76880099459005	0.0777464962732009	0.0083402238150235	0.198843111782141
LIHC	UHRF2	cg06523306	0.114424618273705	380	2.22153329231581	0.0269161444501761	0.0130929932670831	0.0910555984239432
LIHC	UHRF2	cg08487038	0.109719787241807	380	2.1290526496541	0.0339062492980974	0.0120384317123873	0.108177941922495
LIHC	UHRF2	cg13428749	0.0118053658450757	380	0.227709518742071	0.81999717309016	0.000139366662736081	0.903143901961942
LIHC	UHRF2	cg14078101	0.0654183886843092	380	1.2644527428203	0.206859205722125	0.00427956557805135	0.391618929474034
LIHC	UHRF2	cg20595300	0.0870215095734182	380	1.68480150165507	0.0928655708793365	0.00757274312843651	0.225896132734658
LIHC	UHRF2	cg24119045	0.0958537976771063	380	1.8573132383935	0.0640567012308338	0.00918795052912364	0.172704894141245
LIHC	USP27X	cg00478198	-0.0669172273033266	380	-1.29355219813449	0.19662276230357	0.00447791530996508	0.378765629225533
LIHC	USP27X	cg01125381	-0.134341600194018	380	-2.61478980809522	0.00929125225798039	0.0180476655426894	0.0402721015242549
LIHC	USP27X	cg01290688	-0.135586354900346	380	-2.63946899999609	0.00865287837326138	0.0183836596351627	0.0381513273730161
LIHC	USP27X	cg01855997	-0.066222002583386	380	-1.28005355888025	0.201323954848015	0.00438535362615399	0.384583924551775
LIHC	USP27X	cg06455206	-0.197711051989977	380	-3.89010195246924	0.000118693239647573	0.0390896600789834	0.00111665520439513
LIHC	USP27X	cg06624970	-0.0671440672895967	380	-1.29795698276181	0.195106306781618	0.00450832577218989	0.376711921515207
LIHC	USP27X	cg16810342	-0.0567357611511911	380	-1.09604520978905	0.273768042058915	0.003218946593405	0.470156717547584
LIHC	USP27X	cg16867483	-0.103304909211936	380	-2.00319053246626	0.0458818324623376	0.0106719042672864	0.135504774859538
LIHC	USP27X	cg19318186	-0.101278646902911	380	-1.9634878622024	0.0503340180039914	0.0102573643184844	0.144977029753138

LIHC	USP51	cg00834229	0.0735983230737979	380	1.42337328558738	0.155466105281406	0.00541671315927514	0.323464300461667
LIHC	USP51	cg01084827	-0.0918097411237465	378	-1.7734858296527	0.0769707365702838	0.00842902856520935	0.197553991446673
LIHC	USP51	cg02714202	0.101454510026012	380	1.96693274588957	0.0499338243903696	0.0102930176046181	0.144123174957311
LIHC	USP51	cg03728850	0.106296628602158	380	2.06185664922721	0.0399155180153696	0.0112989732521851	0.122290005060163
LIHC	USP51	cg07386410	0.0751716129815577	380	1.45397141535282	0.146797374627523	0.0056507713982491	0.311212834494442
LIHC	USP51	cg12064531	0.0430369039434371	380	0.830835525975399	0.406599474196687	0.00185217510103663	0.602851197767388
LIHC	USP51	cg12517811	0.0235437049553534	380	0.454220442436664	0.649935075880624	0.000554306043024733	0.795259629164021
LIHC	USP51	cg18770944	-0.0425275719927156	380	-0.820984854303563	0.412180694683826	0.00180859437959561	0.607870804971253
LIHC	USP51	cg21331369	0.0659958959771498	380	1.27566382674295	0.202870371866994	0.00435545828582678	0.386655014063281
LIHC	USP51	cg25424556	0.112813307889379	380	2.18984380469972	0.0291560241050043	0.0127268424369437	0.096682171322451
LIHC	WDR82	cg01736403	0.0892227714530384	380	1.72775731837954	0.0848616695459617	0.00796070294576112	0.211831500743095
LIHC	WDR82	cg03869063	-0.0266544310756537	380	-0.514274767002446	0.607365273045514	0.000710458695966774	0.765419958712177
LIHC	WDR82	cg10989431	0.0583552078535673	380	1.12743577188368	0.260284953440717	0.00340533028363304	0.455413784084548
LIHC	WDR82	cg11442381	-0.0405194104929315	380	-0.782152429209215	0.434622557657237	0.00164182262669469	0.628071170384158
LIHC	WDR82	cg11665333	0.0380394421552829	380	0.734209583202733	0.463283530810359	0.00144699915948511	0.652603465683936
LIHC	WDR82	cg12661343	-0.0695037195755898	380	-1.34378889127383	0.179835700724436	0.00483076703484223	0.356854874557617
LIHC	WDR82	cg13539115	-0.0242194951168503	380	-0.467265770431188	0.640583321102003	0.000586583943715136	0.788851397213396
LIHC	WDR82	cg15991175	-0.216848802128731	380	-4.28437404497054	2.33631715531188e-05	0.0470234029846654	0.000274341821555219
LIHC	WDR82	cg17632831	-0.0161665621972015	380	-0.311850114553969	0.755329144119482	0.000261357733275983	0.863458464668651
LIHC	WDR82	cg24007312	-0.0180523190070958	380	-0.348237267348244	0.727858984541212	0.000325886221533953	0.846092701214815
LIHC	WDR82	cg26236504	0.0790485114729432	380	1.52941837693243	0.127010621812205	0.00624866716608803	0.281669158655987
LIHC	WDR82	cg26858096	0.0387307294732884	380	0.747572173022361	0.455190545556761	0.00150006940553305	0.645523008125881
LIHC	ZMYND1	cg00614684	0.119795024710627	380	2.32728234580704	0.020486233805753	0.0143508479454197	0.0741776156706889
LIHC	ZMYND1	cg02813021	-0.0395105994844176	380	-0.762648358471921	0.446156451436538	0.00156108747161806	0.638043585849738
LIHC	ZMYND1	cg02867818	-0.00443634764978592	380	-0.0855660168020269	0.931857447039874	1.9681180469761e-05	0.963847766779503
LIHC	ZMYND1	cg03254875	0.093572062986947	380	1.81270582247946	0.0706831576605184	0.00875573097163317	0.185667394889329
LIHC	ZMYND1	cg05236965	0.165738553557788	380	3.24148000739037	0.00129639251883733	0.0274692681354277	0.00832726939232362
LIHC	ZMYND1	cg08828193	-0.147280969839208	380	-2.87197220624265	0.0043128326631814	0.0216916840767777	0.0220499805599063
LIHC	ZMYND1	cg12639781	0.145076402778926	380	2.82805182483027	0.00493664085204456	0.0210471626432733	0.0245283923129562
LIHC	ZMYND1	cg13939078	-0.0312145927707922	380	-0.602338778806676	0.547315622503783	0.000974350801846392	0.720693842770855
LIHC	ZMYND1	cg14255089	0.0934165861570601	380	1.80966734125475	0.0711543432004542	0.00872665856923944	0.186563221919662
LIHC	ZMYND1	cg14694828	0.0430511023006955	380	0.831110136812104	0.406444535981308	0.00185339740930495	0.602736350905085
LIHC	ZMYND1	cg17632565	-0.151682322729941	380	-2.95978954308194	0.0032756662291507	0.0230075270287499	0.0176685603249105
LIHC	ZMYND1	cg22593633	-0.0747096161670029	380	-1.44498514802289	0.149303865315315	0.0055815267478209	0.314759624355426
LIHC	ZMYND1	cg24757747	0.0211603164529048	380	0.408216805333148	0.683349372832007	0.000447758992387073	0.817614560514513
LUAD	ACTL6A	cg03667091	-0.126883638115487	540	-2.95320521823118	0.00328367981602123	0.016099457621422	0.0176953856752255
LUAD	ACTL6A	cg03839554	-0.148653657533571	469	-3.23108884410767	0.0013212647057197	0.0220979098981081	0.00845631151927261
LUAD	ACTL6A	cg07261848	-0.128632505288532	473	-2.8000560955035	0.00532163320131561	0.0165463214168042	0.0260601242139712
LUAD	ACTL6A	cg10112003	0.0382524161184174	475	0.828132389410402	0.408017632436836	0.00146324733889656	0.604114605404525
LUAD	ACTL6A	cg20132173	0.0588061707108891	475	1.27437739529982	0.203162111811975	0.00345816571367823	0.387011933157862
LUAD	ACTL6A	cg22619386	0.0894217099160732	475	1.94226837154481	0.0527041774885861	0.00799624220431434	0.149889185623568
LUAD	ACTL6A	cg25198545	-0.194806071504239	540	-4.58529346924782	5.65500902180032e-06	0.0379494054949146	7.93660061053463e-05
LUAD	ACTL6A	cg25575835	0.0124771723310867	475	0.269943520873703	0.787322694015501	0.000155679829379636	0.882830027649138
LUAD	ACTL6B	cg05729836	0.0395625517604402	475	0.856539442106962	0.392137821655807	0.00156519550179751	0.589191930943643
LUAD	ACTL6B	cg08572611	-0.108017827300728	540	-2.50846231391833	0.0124216408146004	0.0116678510147699	0.0505111664592036
LUAD	ACTL6B	cg09375063	-0.0339242395447476	475	-0.73431617796615	0.463123803918026	0.00115085402868941	0.652413907284989
LUAD	ACTL6B	cg14088161	-0.0557559138940672	540	-1.28923071903328	0.197877093756813	0.00310872193416264	0.380334304287135
LUAD	ACTL6B	cg16024950	-0.0688913814530713	475	-1.49389770182262	0.135876247908905	0.00474602243851257	0.294981214205094
LUAD	ACTL6B	cg20497359	-0.00052564896463635	474	-0.0113593717758602	0.990941578527648	2.76306834023267e-07	0.995163032634254
LUAD	ACTL6B	cg24471254	-0.31726956145421	475	-7.23751328154665	1.8856326543576e-12	0.100659974625347	1.02931457886695e-10
LUAD	ACTL6B	cg26990587	-0.121127747954664	475	-2.63983110615859	0.00857170554636188	0.0146719313245687	0.0378836076169569
LUAD	AEBP2	cg02664216	0.239771535664971	475	5.34290752728492	1.43101976311229e-07	0.0574903893151385	2.99989422216031e-06
LUAD	AEBP2	cg07849438	-0.0969359475115085	475	-2.10696768255202	0.0356519410605412	0.00939657791995394	0.112387140610388
LUAD	AEBP2	cg08161947	-0.165775841586997	475	-3.63659771121105	0.000306943230953163	0.0274816296538772	0.0024919997608819
LUAD	AEBP2	cg24304000	0.0707846510750891	475	1.53515688971648	0.125421038183539	0.00501046682782212	0.279074545061788
LUAD	AEBP2	cg26259627	-0.0364091536057066	475	-0.788173006073625	0.430994548839062	0.00132562646628394	0.624989094122429
LUAD	AFF4	cg00931577	0.103459948954844	475	2.2502566366415	0.0248963113113757	0.010703961037739	0.0859271928910171

LUAD	AFF4	cg01907658	-0.0949267742419461	475	-2.06289561644721	0.0396736531089832	0.00901109246798141	0.121774400077342
LUAD	AFF4	cg05619425	0.221536125293471	475	4.91467826865691	1.23214138508265e-06	0.0490782548100446	2.05781895472563e-05
LUAD	AFF4	cg06638012	0.0707090129453951	535	1.6350046764994	0.102639581714649	0.00499976451171205	0.242679774963491
LUAD	AFF4	cg07236381	0.000766036319459648	65	0.00608022657357451	0.995167923650401	5.86811642731284e-07	0.997527296127552
LUAD	AFF4	cg13393914	0.104725584144887	475	2.27808762626056	0.0231713440100685	0.0109674479744879	0.0814215427941312
LUAD	AFF4	cg13565585	0.0278387264879577	475	0.602477238356502	0.547148309913476	0.000774994692471317	0.720546706979652
LUAD	AICDA	cg07999668	0.0466092764864207	475	1.00940984725123	0.313299710660403	0.00217242465458761	0.512378861653115
LUAD	AIRE	cg08089567	0.0160697962167359	475	0.34768774152727	0.728231021146292	0.000258238350447419	0.846335475500532
LUAD	AIRE	cg09510531	-0.0345950965433791	475	-0.748854623320562	0.454321030464733	0.00119682070484572	0.644624101626421
LUAD	AIRE	cg11923631	0.0162872908915	475	0.352394718689738	0.724700899762032	0.000265275844584339	0.844052564908
LUAD	AIRE	cg12843033	0.126213473944739	475	2.75242577353122	0.00614538670118486	0.0159298410051993	0.0292418015188681
LUAD	AIRE	cg15955655	-0.0412097914936002	475	-0.892262060272368	0.372711021038319	0.001698246914946	0.571346283019133
LUAD	AIRE	cg16501323	0.0687600040645836	475	1.49103525947693	0.136625926971627	0.00472793815896155	0.296220210217964
LUAD	AIRE	cg16717549	0.0375532300706574	475	0.812974028036548	0.416646324813049	0.00141024508873973	0.612193487439916
LUAD	AIRE	cg17356252	0.0485671430892264	540	1.12258430678162	0.262119504430224	0.00235876738784939	0.457471277597812
LUAD	AIRE	cg18689454	0.0522136834043275	475	1.13109756703838	0.258593309931897	0.00272626873464735	0.453249097711832
LUAD	AIRE	cg18876487	0.128610081734882	540	2.99405925078614	0.00288072128786365	0.0165405531238531	0.0159351076220487
LUAD	AIRE	cg23272544	-0.0322943619934165	475	-0.698998465313226	0.48490021758179	0.00104292581656182	0.671586240213601
LUAD	AIRE	cg27251412	-0.0315480247312104	475	-0.682828011241721	0.495053386784426	0.000995277864441066	0.679994759013836
LUAD	ARID1A	cg04081153	-0.0353824082140619	475	-0.76591810464685	0.44411114918872	0.00125191481102652	0.636088940121463
LUAD	ARID1A	cg04360147	0.0952916596727275	475	2.07089762588044	0.0389159837707727	0.00908050040318293	0.120040842246768
LUAD	ARID1A	cg14851949	0.0280042287473144	475	0.606061790669006	0.5447675538413	0.000784236827731913	0.718896152457636
LUAD	ARID1A	cg17385674	0.193737927794861	540	4.559168498737	6.37595493800431e-06	0.0375343846662469	8.81014277881185e-05
LUAD	ARID1A	cg20413923	0.0053853223050801	475	0.116504023654604	0.907303073857523	2.90016963295932e-05	0.950929408254256
LUAD	ARID1A	cg21294655	-0.0186463517649215	475	-0.403452407894622	0.686799704400674	0.000347686434141191	0.819721059305093
LUAD	ARID1A	cg24542126	-0.0456065788634573	475	-0.987648821238965	0.32383500344688	0.00207996003562875	0.523196818745901
LUAD	ARID1A	cg25601319	-0.0234481787315108	475	-0.507401172491861	0.612112379658217	0.000549817085824877	0.768865647059922
LUAD	ARID2	cg00035453	-0.134004735604987	475	-2.91909286833425	0.00368048360239756	0.0179572691645624	0.0193970287490628
LUAD	ARID2	cg01183821	-0.0721365345149456	475	-1.5646280655038	0.118346043960526	0.00520367961182593	0.268179788635746
LUAD	ARID2	cg01353809	-0.140139480106416	475	-3.06189597473796	0.0023260186882064	0.0196390738844964	0.0134325809390787
LUAD	ARID2	cg01751433	-0.00605746947923319	475	-0.131045505085853	0.895795622357882	3.66929364918416e-05	0.944710634244898
LUAD	ARID2	cg06613666	0.0512351166437666	475	1.10984268736121	0.267636754746199	0.00262503717750037	0.463378743406166
LUAD	ARID2	cg07276957	-0.110395522516732	475	-2.40290751099259	0.0166536150289111	0.0121871713917424	0.0632161280159614
LUAD	ARID2	cg23465749	-0.104387511014197	465	-2.25604997855506	0.0245343173056689	0.0108967524557392	0.0849711815723089
LUAD	ARID4A	cg02136725	-0.0559036369279932	475	-1.21127480577836	0.226401371966024	0.00312521662177689	0.41591709238429
LUAD	ARID4A	cg06154646	0.0405616285606442	475	0.878204918377245	0.380283157705852	0.00164524571149167	0.578700494328535
LUAD	ARID4A	cg08066755	0.0641007963427176	475	1.38956999713387	0.165320183906441	0.00410891209177056	0.337309021895134
LUAD	ARID4A	cg08790491	0.0418450904240827	540	0.966915842020287	0.334024627206881	0.00175101159259966	0.53360806310311
LUAD	ARID4A	cg10064886	0.178353794940032	475	3.92125424438159	0.000101267370368039	0.0318100761695108	0.000974034843028091
LUAD	ARID4A	cg10242170	0.0549822190622774	475	1.19124922294496	0.23415955429034	0.00302304441301226	0.425114559314646
LUAD	ARID4A	cg10844118	-0.128554539425476	475	-2.80432898833372	0.00525187369046062	0.0165262696068964	0.0257834318992612
LUAD	ARID4A	cg12203852	0.162881041016175	540	3.81129799924562	0.00015436778147936	0.0265302335225128	0.00139621988052614
LUAD	ARID4A	cg14272338	0.0689989083388303	475	1.49624054901026	0.13526502653686	0.00476084935195031	0.294072813190859
LUAD	ARID4A	cg14460816	0.013327846406995	475	0.288351012918978	0.773205724553269	0.000177631489848451	0.874232343362702
LUAD	ARID4A	cg17323045	0.146654094120944	475	3.20729088884727	0.00143174833691646	0.0215074233224347	0.00904657489620526
LUAD	ARID4A	cg19548283	-0.0902997016136445	475	-1.96149464390321	0.0504137640206316	0.00815403611151323	0.145163724996151
LUAD	ARID4A	cg20996579	0.0226340981075069	475	0.489775880553883	0.6245219983399	0.000512302397140248	0.777606305140194
LUAD	ARID4A	cg26429530	-0.0182520005857482	475	-0.394916929859101	0.693084117243774	0.000333135525382152	0.8238263326131
LUAD	ARID4A	cg27026909	-0.0978285475525724	475	-2.12655555074772	0.0339796536758717	0.00957042471624592	0.108345486435805
LUAD	ARID4B	cg05652840	0.0718564440491979	475	1.55852136271897	0.119785654874346	0.0051633485513955	0.270394487865099
LUAD	ARID4B	cg06212607	0.107303326148243	540	2.4916757658259	0.0130170884847644	0.0115140038024762	0.0523773109304147
LUAD	ARID4B	cg06891548	-0.0892379457424653	475	-1.938244880742	0.0531943747704715	0.00796341096033517	0.150930278160718
LUAD	ARID4B	cg07814876	-0.158279659911532	475	-3.46782688333653	0.000573137855547303	0.0250524507417102	0.00420867343160722
LUAD	ARID4B	cg10107779	0.130952749121465	475	2.85754857282318	0.00445953596989664	0.0171486225024695	0.0226390787328093
LUAD	ARID4B	cg11732257	-0.0473004740751645	475	-1.02441232618993	0.306169769348956	0.00223733484773531	0.504654876720837
LUAD	ARID4B	cg22596515	0.145779451347012	475	3.1877460488677	0.00152989420181045	0.0212516484350359	0.00955496062424871
LUAD	ARID4B	cg23687319	-0.183874336651883	540	-4.31870364318751	1.87212403083982e-05	0.03380977167917	0.000226324812517721

LUAD	ARID4B	cg26020585	0.189783246656771	475	4.18163636836433	3.45581654216774e-05	0.036017680711585	0.000385712757649064
LUAD	ASH1L	cg03119126	-0.170664129402206	475	-3.7470008841839	0.000201311822045763	0.029126245064613	0.00174552517657469
LUAD	ASH1L	cg08095278	0.176084531137878	475	3.86975557466517	0.000124404678717985	0.0310057621060462	0.00116219871634289
LUAD	ASH1L	cg09410084	0.12198181694695	475	2.65872463856675	0.00811244749619859	0.0148795636656791	0.0363118377744116
LUAD	ASH1L	cg10558228	-0.165916379678504	471	-3.62417996267664	0.000321928296624695	0.0275282450456214	0.0025917509994434
LUAD	ASH1L	cg17038116	0.132882286733849	540	3.0952752528558	0.00206961173899572	0.017657702127617	0.0122315107212211
LUAD	ASH1L	cg20064047	-0.0533645493471721	474	-1.15486323341281	0.248737019321186	0.00284777512702677	0.44215243415362
LUAD	ASH1L	cg21852905	-0.0726181433596344	475	-1.5751292654385	0.115902331682937	0.00527339474500041	0.264351647441726
LUAD	ASH1L	cg23821590	-0.0548132350891244	475	-1.18757695214957	0.235602506233968	0.00300449074093561	0.426888276451105
LUAD	ASH1L	cg24312492	-0.0825544686537319	475	-1.79204326131801	0.0737718887855981	0.00681524029470001	0.191523788292569
LUAD	ASH1L	cg26185843	-0.0960074846011489	475	-2.08659825813851	0.0374651607845802	0.00921743709943984	0.116703616442396
LUAD	ASH2L	cg00590869	0.177540280334125	475	3.90278496376607	0.000109051932913763	0.0315205511411197	0.00103800147670295
LUAD	ASH2L	cg01642070	0.0586267965394741	475	1.27047678427613	0.204546063600316	0.0034371012724809	0.388710921666744
LUAD	ASH2L	cg02897270	0.0331592078492773	475	0.717738041805986	0.473276929425022	0.00109953306519157	0.661344968299696
LUAD	ASH2L	cg03189282	-0.113001254814669	475	-2.46034983209021	0.0142404174155939	0.0127692835896897	0.0560722292062921
LUAD	ASH2L	cg03705346	0.0692637150096263	475	1.50201050692015	0.133768799808975	0.00479746221693472	0.291847876648323
LUAD	ASH2L	cg10062221	0.114137055120092	475	2.48540411080728	0.0132886145482786	0.0130272673514869	0.0532132846125901
LUAD	ASH2L	cg21453287	0.109589215760555	475	2.38514302368035	0.0174695486587924	0.0120097962110135	0.0656185634861716
LUAD	ASH2L	cg24318412	0.0838191533332937	540	1.9419491745334	0.0526697501610802	0.0070256504655102	0.149827958861047
LUAD	ASH2L	cg27255459	0.131381885996877	475	2.86707706705692	0.00432972344634526	0.0172611999680964	0.0221174407896108
LUAD	ASXL1	cg00174466	-0.0503326347258724	475	-1.09024324476472	0.276167028648855	0.0025333741184481	0.4726983020178
LUAD	ASXL1	cg04218270	-0.0437204186665061	475	-0.946722518736353	0.344268745190476	0.00191147500837458	0.54352499642029
LUAD	ASXL1	cg09065199	0.117721666363122	540	2.73684601794595	0.00641019936309	0.0138583907313101	0.0302135746290351
LUAD	ASXL1	cg10421984	-0.104553348937292	475	-2.27429956401436	0.0233998329269831	0.0109314027740032	0.0819763398505685
LUAD	ASXL1	cg12592359	-0.160351807621711	475	-3.51441679992465	0.000483573197819734	0.0257127022075501	0.00364208474694437
LUAD	ASXL1	cg16926526	-0.0265751527283405	475	-0.575111573798204	0.565492221283827	0.000706238742534625	0.734827231405516
LUAD	ASXL1	cg18793288	-0.013411075488612	475	-0.290152016100917	0.77182846002093	0.000179856945761248	0.873526968282995
LUAD	ASXL1	cg24727216	-0.0442632960963926	475	-0.958500928929099	0.338305121086071	0.00195923938131693	0.537696820777383
LUAD	ASXL2	cg05165989	0.120981469987805	475	2.63659577417802	0.00865264665698594	0.0146365160804102	0.0381513273730161
LUAD	ASXL2	cg05496738	-0.00535739083759601	475	-0.115899747474071	0.907781709680889	2.87016365867577e-05	0.951106865716191
LUAD	ASXL2	cg06583696	0.083036708654025	475	1.80258390789029	0.0720968020139861	0.00689509498409344	0.188344088648915
LUAD	ASXL2	cg09476286	0.0148584400266102	475	0.321472692578879	0.747995726398968	0.000220773240024372	0.858607972901513
LUAD	ASXL2	cg19084174	0.0522981963257315	475	1.13293337545064	0.257822305898996	0.00273510133892475	0.452295749662442
LUAD	ASXL2	cg20667782	0.18947310753214	475	4.1745481656636	3.56117515405207e-05	0.0359000584778858	0.000396221481599437
LUAD	ASXL2	cg24738909	0.0344755045408916	475	0.746262817296159	0.455883358836623	0.00118856041334904	0.646133763615658
LUAD	ASXL3	cg09963640	-0.0868805772267712	475	-1.88664817543408	0.0598264340955188	0.00754823469925696	0.164300406468274
LUAD	ASXL3	cg12361352	-0.0667939656379229	471	-1.44200635611876	0.149975184750428	0.00446143384564002	0.315601864840875
LUAD	ASXL3	cg17880622	-0.0707025181225716	475	-1.53336665989007	0.125861241116866	0.00499884606887257	0.279710024037865
LUAD	ASXL3	cg20034091	-0.0595851349067629	475	-1.29131793330713	0.19723088638578	0.00355038830185713	0.379486040153724
LUAD	ASXL3	cg20329085	-0.0667026981289621	475	-1.44622087559018	0.148784623975281	0.00444924993768344	0.314013864284671
LUAD	ASXL3	cg24880056	-0.0718702180082122	475	-1.55882166227873	0.119714541194573	0.00516532823654795	0.270288861669684
LUAD	ASXL3	cg27109877	-0.0692942711495839	475	-1.50267632501001	0.133596974195111	0.00480169601415206	0.291595393371148
LUAD	ATAD2B	cg08192560	-0.099934314378757	475	-2.17278665857996	0.0302974077252844	0.00998686719035225	0.099411891542485
LUAD	ATAD2B	cg14009731	0.0439582138488537	475	0.951881680942592	0.341648330148596	0.00193232456478155	0.540789675780411
LUAD	ATAD2B	cg15717719	-0.0565679506993535	474	-1.22440433000768	0.22141703248803	0.00319993304632449	0.409795080659811
LUAD	ATAD2B	cg16929802	0.0240627330587043	474	0.520150669060693	0.603205049239295	0.000579015122254462	0.762301140396402
LUAD	ATAD2B	cg17933838	0.00525735994109404	475	0.113735656875283	0.909496119597372	2.76398335502204e-05	0.951932582514302
LUAD	ATAD2B	cg19614157	0.0118658887093229	475	0.256716494411943	0.797510454059998	0.000140799314862036	0.889267537132792
LUAD	ATAD2B	cg20806130	-0.0198247289313911	475	-0.428958763050018	0.668150618645347	0.000393019877203137	0.807527292353165
LUAD	ATAD2B	cg27610867	0.0383929843411651	475	0.831180056401047	0.406295774355404	0.00147402124662095	0.602607642756179
LUAD	ATAT1	cg01245721	-0.00324267396528918	475	-0.0701501323217645	0.944104129787695	1.05149344451642e-05	0.970165960631898
LUAD	ATAT1	cg05093836	-0.130662803929955	475	-2.85111159645838	0.00454922268807706	0.0170727683308378	0.0229821566203173
LUAD	ATAT1	cg06814856	-0.0378466599247579	475	-0.819335443678763	0.41301209862661	0.00143236966746028	0.608600822089263
LUAD	ATAT1	cg07142893	-0.0253341234096414	475	-0.548236848159169	0.583790690532353	0.00064181780893494	0.748675639690639
LUAD	ATAT1	cg07816366	-0.0504008272989055	475	-1.09172410709663	0.275516088877799	0.0025402433924141	0.471931408374265
LUAD	ATAT1	cg08081524	-0.0616470413498049	475	-1.33617079172441	0.182142767703841	0.00380035770718456	0.359762719513346
LUAD	ATAT1	cg08188471	-0.182541837242331	471	-3.99926684586595	7.39201619634662e-05	0.0333215223438055	0.000743444742053767

LUAD	ATAT1	cg08635134	-0.0770037845610683	475	-1.67080752268449	0.0954282470135963	0.00592958283672742	0.230279330236854
LUAD	ATAT1	cg09532691	-0.321995923064721	475	-7.3577002165683	8.45842322259506e-13	0.103681374470302	4.83624092319028e-11
LUAD	ATAT1	cg12907138	-0.0584826082106105	475	-1.26734140241401	0.205663486434391	0.00342021546311576	0.389953088393015
LUAD	ATAT1	cg13542073	-0.0887087787751461	475	-1.92665995724068	0.054627194402799	0.00786924743177782	0.153917709575203
LUAD	ATAT1	cg13964084	-0.0313919826618905	540	-0.72509756222288	0.468710386939421	0.000985456575444431	0.657663832071953
LUAD	ATAT1	cg15381130	-0.0629570827180298	475	-1.36467713782149	0.173010316597083	0.00396359426436484	0.347898895477898
LUAD	ATAT1	cg15729859	-0.109293390588402	475	-2.37862662362518	0.0177775498802457	0.011945045226309	0.0665217275316898
LUAD	ATAT1	cg18298197	-0.131210554342634	475	-2.8632726469746	0.00438113555453678	0.0172162095709012	0.0223287512663545
LUAD	ATAT1	cg20629923	-0.0433832947486156	475	-0.939408613939927	0.348005576132647	0.00188211026324526	0.547244278449499
LUAD	ATAT1	cg22759096	-0.309168627559801	475	-7.03290132315178	7.21231423680681e-12	0.0955852402672108	3.51991702470608e-10
LUAD	ATAT1	cg23328390	-0.0548591366435112	475	-1.18857445044056	0.235209934458252	0.00300952487327143	0.426388296359771
LUAD	ATAT1	cg26934609	-0.0561002637862553	475	-1.21554858460097	0.224769750459218	0.00314723959688743	0.414108655233261
LUAD	ATF7IP	cg00236831	0.0340696675973599	475	0.737467730010961	0.461207536699012	0.0011607422501946	0.650775018772113
LUAD	ATF7IP	cg11409060	-0.0588628152922027	475	-1.27288061628229	0.203695074417123	0.00346483102412397	0.387562174265797
LUAD	ATF7IP	cg11697652	-0.15205865203272	65	-1.22112805591118	0.226587848785398	0.0231218336580079	0.416127835420473
LUAD	ATF7IP	cg12526346	-0.119844723156071	475	-2.61145947372119	0.009305212126325	0.0143627576683552	0.0403168851102939
LUAD	ATF7IP	cg12948116	-0.103152220867876	475	-2.24349145105496	0.025332100413536	0.010640380669975	0.0870713303393551
LUAD	ATF7IP	cg17439009	0.0782201807727654	475	1.6973617685547	0.0902931128317609	0.0061183966801241	0.221295092026702
LUAD	ATF7IP	cg19789919	-0.0171306594325597	475	-0.370647214761949	0.711068012875225	0.000293459492594347	0.835511008829255
LUAD	ATF7IP	cg21275967	0.0249385755433432	475	0.539671722958034	0.58968011721977	0.000621932550131034	0.752766246127253
LUAD	ATF7IP	cg26637901	0.0240647170872947	525	0.547862315780955	0.584022441119979	0.000579110608491533	0.748752841758597
LUAD	ATM	cg01756564	-0.103275356551339	475	-2.24619842420209	0.0251569383634932	0.0106657992708062	0.0866343701189422
LUAD	ATM	cg01800843	0.0422148290309766	535	0.974559080541269	0.330221933545419	0.00178209179011458	0.529949151072353
LUAD	ATM	cg01991180	-0.00512421719302422	475	-0.110855222422078	0.911778677570227	2.6257601841285e-05	0.953147573136012
LUAD	ATM	cg02105423	0.0102040416764656	475	0.22075866615641	0.825376624363418	0.000104122466535048	0.906169368536055
LUAD	ATM	cg03165700	0.105235124049956	535	2.44081425269511	0.0149792815580998	0.0110744313338095	0.0583203157765286
LUAD	ATM	cg03569616	0.00668007748545665	475	0.144360916454444	0.885277754514778	4.46234352117048e-05	0.939207899337524
LUAD	ATM	cg04709886	0.0236590911311177	475	0.511967704906955	0.6089151093366	0.00055975259315053	0.76660093453454
LUAD	ATM	cg04826772	0.0689541037404479	475	1.49526431864002	0.135519454109562	0.00475466842264846	0.294436127507887
LUAD	ATM	cg05033322	-0.0476164448211462	475	-1.03016860282389	0.303464099348748	0.00226732581740526	0.501960114493345
LUAD	ATM	cg05637308	0.0114081528257327	475	0.246812141152049	0.805161840034625	0.000130145950895273	0.894185126466552
LUAD	ATM	cg06053805	-0.0440057350171094	475	-0.951894097649663	0.341643090591738	0.00193650471439605	0.540789675780411
LUAD	ATM	cg06081482	-0.0256361218691516	475	-0.55477644390212	0.579312615257264	0.000657210744889993	0.745402107689059
LUAD	ATM	cg06750635	-0.0368102243643809	475	-0.796866965876175	0.425932365885368	0.00135499261775606	0.620616016170901
LUAD	ATM	cg09808176	0.0396155975595965	475	0.857689701333374	0.391502838735864	0.00156939557000391	0.588578283086959
LUAD	ATM	cg10610482	-0.0612771699147862	475	-1.32812369417043	0.184784581117209	0.00375489155276558	0.363297579271676
LUAD	ATM	cg10976287	0.0227115067764994	475	0.491451778198146	0.62333734975278	0.000515812540058979	0.776827544121042
LUAD	ATM	cg11588932	0.037983293563723	475	0.821418673485348	0.411826968269391	0.00144273058994796	0.607464299763918
LUAD	ATM	cg12019961	0.0115091728053226	461	0.245245361916107	0.806377271414186	0.000132461058662778	0.895048525308581
LUAD	ATM	cg12106634	-0.0101765355350968	475	-0.220163524639175	0.825839807008374	0.000103561875497088	0.906322063580431
LUAD	ATM	cg12848864	-0.144726325153856	475	-3.16422293273055	0.00165624941667677	0.0209457091925396	0.0101952709561523
LUAD	ATM	cg14761454	-0.145080467665651	471	-3.15854678420738	0.00168904876783997	0.0210483420980841	0.0103650595444776
LUAD	ATM	cg15370815	0.0239488081560979	475	0.518240573325762	0.60453534442039	0.00057354541209758	0.763362127558198
LUAD	ATM	cg15504467	0.0227713622650832	475	0.492747655556848	0.622421997245586	0.000518534939407654	0.776345949233976
LUAD	ATM	cg16693212	-0.0243371389278605	475	-0.525522280199541	0.599470132640186	0.000592296331193984	0.759691457452077
LUAD	ATM	cg16788234	0.00966892345883727	475	0.209180574029996	0.834398295873142	9.34880808528537e-05	0.911213165101285
LUAD	ATM	cg17114932	0.104211253982672	475	2.2667762975479	0.0238594459303315	0.010859985456641	0.0832192313802103
LUAD	ATM	cg17420659	0.0158278937183179	475	0.342452592982717	0.732164059854896	0.000250522219558366	0.848679811700381
LUAD	ATM	cg18042593	-0.00315467720048284	475	-0.0682464420180075	0.94561860543501	9.95198823924624e-06	0.970938700936395
LUAD	ATM	cg18391757	0.0461051844175084	475	0.998469420694724	0.31856774940276	0.00212568803017246	0.517910785425631
LUAD	ATM	cg18457775	0.0725559720886553	540	1.67951130843033	0.0936384618099681	0.00526436908572973	0.227257456106715
LUAD	ATM	cg19288979	0.0198619512273889	475	0.42976448027075	0.667564775076392	0.000394497106559177	0.807170364977585
LUAD	ATM	cg20342375	0.0235464039109659	475	0.509527869073884	0.610622439933561	0.000554433137138349	0.767792987949464
LUAD	ATM	cg22477592	0.178473906287624	540	4.18762387492263	3.29816155733776e-05	0.0318529352255634	0.000370134420357089
LUAD	ATM	cg22678707	0.0807047221460802	475	1.75162378583186	0.0804935318933103	0.00651325217667602	0.203904715731299
LUAD	ATM	cg22837512	-0.0263654778826493	475	-0.570570841781591	0.568564426539344	0.00069513842398047	0.736960595124825
LUAD	ATM	cg23275463	-0.00211217803408799	471	-0.045497808752003	0.963730095637855	4.46129604768379e-06	0.980933420081546

LUAD	ATM	cg23389069	0.0645723932089309	475	1.39684156547493	0.163126062849602	0.00416959396472879	0.333962181460616
LUAD	ATM	cg24030675	-0.0109354644363132	475	-0.236584412800223	0.81308272733686	0.000119584382437871	0.899360988617306
LUAD	ATM	cg24568245	0.0359355344212145	475	0.777906914023323	0.437016970345177	0.00129136263413829	0.629999595860808
LUAD	ATM	cg25400013	-0.0792684275964327	475	-1.72025138372122	0.086047800067463	0.00628348361361089	0.213947921198166
LUAD	ATM	cg25740661	0.0510704058095099	475	1.10626541592692	0.269179983591185	0.00260818634954802	0.465149995412885
LUAD	ATM	cg25918541	0.00286392768884854	475	0.0619564828747784	0.950623937570894	8.20208180695331e-06	0.973896603666164
LUAD	ATM	cg27453365	0.00680626326079006	475	0.147245397713702	0.883001739987599	4.63252195751805e-05	0.93786761001864
LUAD	ATM	cg27599391	0.00430573667469059	475	0.0931481896137559	0.9258256960831	1.85393683117756e-05	0.960929954621301
LUAD	ATR	cg00911981	0.0646242337776512	475	1.40096440982383	0.161887436986454	0.00417629159134851	0.332388551330737
LUAD	ATR	cg00969988	-0.0840454628131427	475	-1.82463706377276	0.0686931965420276	0.00706363981947536	0.181809224366022
LUAD	ATR	cg11458642	0.238711337898357	540	5.67514437085411	2.27724838485481e-08	0.0569831028412238	5.78752893993451e-07
LUAD	ATR	cg11936145	-0.0648798024164075	475	-1.40652815989046	0.160231008419528	0.00420938876159208	0.330053457726656
LUAD	ATR	cg15135999	0.124123152860282	475	2.70612127441632	0.00705607239175177	0.0154065570759769	0.0325981409610985
LUAD	ATR	cg15291273	-0.0451253854514292	475	-0.977206796739917	0.328971634567869	0.00203630041214006	0.528673346132309
LUAD	ATR	cg15480357	0.0864346297546184	475	1.87689115683048	0.061154918179645	0.00747094522081796	0.166905281812687
LUAD	ATR	cg16031872	0.0957554200758688	475	2.08106919911663	0.0379707189200416	0.00916910047390609	0.117821152234283
LUAD	ATR	cg17945282	0.0264908887346137	475	0.573286738205791	0.566725921359317	0.000701767185949682	0.735654011299322
LUAD	ATR	cg20032934	-0.0958285227455168	475	-2.08267267138982	0.0378235071296495	0.00918310577158804	0.117514354153279
LUAD	ATR	cg20636078	0.183571077407443	540	4.31133230871094	1.93345965763327e-05	0.0336983404605293	0.000232439438426708
LUAD	ATR	cg24631870	-0.00689053814504537	475	-0.149068670481174	0.881563659848571	4.74795159283253e-05	0.937135940290712
LUAD	ATR	cg24856922	0.135595001716572	475	2.96071249524317	0.00322520503490435	0.0183860044905173	0.0174698231782028
LUAD	AURKB	cg02245743	-0.0496532043119877	475	-1.07548964095918	0.282709700658023	0.002465440698448	0.479966309400473
LUAD	AURKB	cg04612488	-0.103849717230194	475	-2.25882635594084	0.024353642329453	0.0107847637687911	0.0845298376557116
LUAD	AURKB	cg05617798	-0.200450378015713	475	-4.42624030625348	1.19440224824869e-05	0.0401803540466424	0.000153101546383686
LUAD	AURKB	cg05811247	-0.0452524624095034	475	-0.979964333858519	0.327610028853846	0.00204778535412352	0.527116744253486
LUAD	AURKB	cg11009596	-0.134308385703082	540	-3.12910082453792	0.0018493693831645	0.0180387424701679	0.0111535655317388
LUAD	AURKB	cg12844497	-0.0694045630407537	540	-1.60620196564371	0.108821788228077	0.00481699337087796	0.252963670394281
LUAD	AURKB	cg13678641	-0.139792251310458	475	-3.05415799898532	0.00238564132187424	0.0195418735264463	0.0137056776452171
LUAD	AURKB	cg21724796	-0.165273595082319	475	-3.62527012391426	0.000320328318371103	0.0273153612314343	0.00258164219150242
LUAD	BAP1	cg00794529	-0.0836115168544457	475	-1.81514954676806	0.070140873849915	0.00699088575070125	0.18465445483182
LUAD	BAP1	cg02503646	-0.0595165609417119	475	-1.28982652518236	0.197747897458044	0.00354222102632851	0.380142333074307
LUAD	BAP1	cg03075736	-0.0915527584949932	475	-1.98894209597819	0.0472894036203832	0.00838190758804255	0.138545697166358
LUAD	BAP1	cg05442719	0.0441295633991499	475	0.955599350908076	0.339768029676672	0.00194741836579959	0.539030185191266
LUAD	BAP1	cg05908979	-0.0804181319725919	475	-1.74536304168043	0.0815779871896677	0.0064670759499612	0.205834131273774
LUAD	BAP1	cg09096430	-0.0946158693781548	475	-2.0560780736404	0.0403290450382512	0.00895216273818406	0.123159210556085
LUAD	BAP1	cg10449522	-0.0184293657235791	475	-0.39875586131833	0.690254975293954	0.000339641520973432	0.822020934848109
LUAD	BAP1	cg10956904	-0.0480448819949238	475	-1.04057138822572	0.298611781222948	0.00230831068590615	0.496817761847342
LUAD	BAP1	cg11234564	-0.00877884772016653	475	-0.189922832210618	0.849451947765924	7.70681672938731e-05	0.919725328107199
LUAD	BAP1	cg12859382	-0.0902097608782988	475	-1.95952490944483	0.0506445033789467	0.00813780095771986	0.145692513838409
LUAD	BAP1	cg16841708	-0.0936106353261306	475	-2.03403937740372	0.04251105277202	0.00876295104616182	0.128027008311138
LUAD	BAP1	cg24291822	-0.0195533610358621	475	-0.423084762496535	0.672427763355825	0.00038233392779877	0.810417443915767
LUAD	BAP1	cg24747396	0.00349698942513759	540	0.080734763797966	0.935683194727973	1.22289350395242e-05	0.965719549286263
LUAD	BAP1	cg25749966	-0.0440188255383305	475	-0.953196727324126	0.340982451815388	0.00193765700177398	0.540281887760871
LUAD	BAZ1A	cg00169548	0.0434287357217945	65	0.345030430183143	0.731220787108843	0.00188605508639347	0.848112325744653
LUAD	BAZ1A	cg05294307	0.103960830362753	472	2.25401024884567	0.0246603252545767	0.010807854249713	0.0853202287237955
LUAD	BAZ1A	cg07414384	-0.12563635305397	540	-2.92370684271231	0.0036059528681109	0.0157844932087018	0.0190697993453703
LUAD	BAZ1A	cg23422263	-0.185962628530634	475	-4.09440622753298	4.98618388526886e-05	0.0345820992100227	0.000528683643410938
LUAD	BAZ1A	cg26967526	-0.0649244978335006	475	-1.40750121128098	0.159942638721517	0.00421519041893222	0.329666905208514
LUAD	BAZ1B	cg00525989	0.118001232541422	475	2.57071741631663	0.0104568451571507	0.0139242908812947	0.0441337387202588
LUAD	BAZ1B	cg04742505	0.0950636198608994	475	2.06589656934154	0.0393880490933124	0.00903709182105759	0.121119071973893
LUAD	BAZ1B	cg05166819	0.0228512801940587	475	0.494477895038752	0.621200742434942	0.00052218100650738	0.775518993436208
LUAD	BAZ1B	cg06059318	0.179759766456662	475	3.95319372265564	8.90324336533444e-05	0.0323135736365537	0.000870780631585149
LUAD	BAZ1B	cg06394887	0.121477455554503	475	2.64756654129423	0.00838092769279069	0.0147567722079964	0.0372393128245921
LUAD	BAZ1B	cg14093368	0.229007556932964	540	5.43139115756911	8.51272489417149e-08	0.0524444611324049	1.87815916170498e-06
LUAD	BAZ1B	cg15636799	-0.0420510089701837	475	-0.910507790059579	0.363023481024551	0.00176828735541047	0.561966185434471
LUAD	BAZ1B	cg19160975	0.02091250838608	475	0.452505686364399	0.651114406130997	0.000437333006997868	0.796028836894693
LUAD	BAZ1B	cg20612831	-0.0419243630570659	475	-0.907760758872283	0.364471816341238	0.00175765221774067	0.563423425809758

LUAD	BAZ1B	cg21340129	-0.0195045209310407	475	-0.422027584761559	0.673198681333733	0.000380426336749405	0.810932289925465
LUAD	BAZ1B	cg25710357	0.146566724084815	475	3.20533816598811	0.001441285620345	0.0214818046089543	0.00909649306742809
LUAD	BAZ2A	cg14634319	0.263010622144866	540	6.29365275198412	6.47846031109338e-10	0.0691745873610297	2.21629437748988e-08
LUAD	BAZ2A	cg18206859	0.0912502860207551	475	1.98231575239828	0.0480283239382935	0.00832661469886962	0.140094316927469
LUAD	BAZ2A	cg18955060	-0.0164499171593591	475	-0.355914277190943	0.722065140519245	0.000270599774549776	0.842517631712775
LUAD	BAZ2A	cg25683012	0.167338867037239	540	3.91857180544393	0.000100674246002974	0.0280022964213067	0.000969461679494194
LUAD	BRD7	cg03021120	-0.0888673278740306	475	-1.93013086105001	0.0541945644768235	0.00789740196347045	0.153062246947905
LUAD	BRD7	cg16433860	-0.185453693158169	475	-4.08280113137259	5.23285456541047e-05	0.0343930723060045	0.000551605268376074
LUAD	BRD7	cg16834187	-0.00046013390882157	540	-0.0106230173199482	0.991528192776737	2.11723214047418e-07	0.995520820692205
LUAD	BRD8	cg01096096	0.0252238798617083	475	0.545849627681145	0.585429391857201	0.000636244115277891	0.74992415791436
LUAD	BRD8	cg03204906	0.081734923221267	475	1.77413280449409	0.07669128536609	0.00668059767398641	0.197038272524509
LUAD	BRD8	cg03684156	-0.00722094642632234	475	-0.156217028377397	0.875929317008797	5.21420672918174e-05	0.934361347663788
LUAD	BRD8	cg07430605	0.0119657050735804	540	0.276269531856784	0.782448145237943	0.000143178097907907	0.879807992740259
LUAD	BRD8	cg07632946	-0.236669162947181	475	-5.26964588275225	2.09019322238554e-07	0.0560122926901194	4.21146054240509e-06
LUAD	BRD8	cg08976717	-0.026459776081236	475	-0.57261296030737	0.567181763312285	0.00070011975026915	0.73592864926139
LUAD	BRD8	cg11110536	-0.0350112084030119	475	-0.757872879603387	0.44890852843781	0.00122578471383913	0.640178895347188
LUAD	BRD8	cg11346339	-0.0140412148589165	475	-0.303787869095197	0.761424522648167	0.000197155714714256	0.867338668883952
LUAD	BRD8	cg12964860	-0.00841844692528906	475	-0.182125306040619	0.855563249058347	7.08702486339088e-05	0.923155807335087
LUAD	BRD8	cg14473243	0.0533347804943544	475	1.15545228449301	0.248494825231943	0.00284459881038097	0.441847388642226
LUAD	BRD8	cg22106577	-0.0180468705995301	475	-0.39047709618049	0.696361460728736	0.000325689538436185	0.825925046709454
LUAD	BRD8	cg22818036	-0.0512220744505655	475	-1.10955942724653	0.267758729804678	0.00262370091101927	0.463476461883388
LUAD	BRD8	cg23298160	-0.0311837311403581	475	-0.674935491440418	0.500050046043904	0.000972425087834142	0.684031884683303
LUAD	BRD8	cg26008208	-0.0843929922680235	475	-1.83223597925101	0.0675515418136043	0.00712217714395068	0.179639473267106
LUAD	BRD8	cg26630792	0.0411652729538436	475	0.891296521118122	0.373228109774002	0.00169457969736445	0.571823451468386
LUAD	BRD8	cg27119451	-0.00374653975502467	539	-0.0864150149633945	0.931169024911333	1.40365601359803e-05	0.963609752230825
LUAD	BRD9	cg02364331	-0.0711929728747548	474	-1.54240692028977	0.123652059492979	0.00506843938674558	0.276419204488413
LUAD	BRD9	cg02822723	0.057881153181342	540	1.33853426681779	0.181293002378304	0.00335022789360197	0.358564989845378
LUAD	BRD9	cg05193570	-0.0517805425899816	475	-1.12168916789395	0.262569809615802	0.0026812245909129	0.458011341393336
LUAD	BRD9	cg07308931	-0.0834722854450772	475	-1.81210570087229	0.0706106143930406	0.00696762243742444	0.185539489836256
LUAD	BRD9	cg09497020	-0.0383029502047858	475	-0.829228015902609	0.407398128437454	0.0014671159943903	0.603609682772698
LUAD	BRD9	cg10551270	-0.130580969697653	475	-2.84929495674844	0.00457482891488468	0.0170513896471793	0.0230887034059401
LUAD	BRD9	cg10600960	0.00232344618581368	475	0.0502639618251183	0.959933486530782	5.39840217837212e-06	0.979061311921597
LUAD	BRD9	cg13722821	0.0019052738053822	475	0.0412174492057687	0.967140120945246	3.63006827347556e-06	0.982754232984332
LUAD	BRD9	cg17977043	-0.129901976778189	475	-2.83422426114558	0.00479235866638468	0.0168745235708812	0.0239707291257461
LUAD	BRD9	cg20079193	-0.155543036535267	475	-3.4063688807659	0.000715084108747478	0.0241936362146113	0.00507473573763011
LUAD	BRD9	cg21160852	0.0463726168764971	475	1.00427347336566	0.315765773947715	0.00215041959597438	0.514950477296786
LUAD	BRD9	cg21758832	-0.0489923272722095	475	-1.06114035367873	0.289173416432974	0.00240024813154728	0.486720149884811
LUAD	BRD9	cg21910709	-0.169550214204047	475	-3.72181810504387	0.000221848226099417	0.0287472751366383	0.00189378387973055
LUAD	BRD9	cg24953233	-0.115411259931891	475	-2.51352317079181	0.0122879471332341	0.0133197589190665	0.0500932012410425
LUAD	BRD9	cg25523559	-0.0768094598984931	475	-1.66656606316443	0.0962697925227321	0.00589969312989822	0.231785219879095
LUAD	BRD9	cg25951128	-0.0626073619657283	475	-1.35706656863085	0.175414189215699	0.00391968177230772	0.351090136766649
LUAD	BRD9	cg26504197	-0.0618083931833337	475	-1.3396814112946	0.180999097221095	0.00382027746790558	0.358240523323187
LUAD	BRDT	cg00308185	-0.437107524616055	475	-10.5136582503947	2.3670638259379e-23	0.191062988075975	4.15673506264138e-21
LUAD	BRDT	cg01515515	-0.157932050429835	474	-3.45631732112159	0.000597645852829357	0.0249425325529719	0.00436106007644752
LUAD	BRDT	cg02935097	-0.304928363168177	475	-6.92648072722058	1.43217851637481e-11	0.0929813066644239	6.60432101380331e-10
LUAD	BRDT	cg03421440	-0.213215626220625	475	-4.72112061764347	3.10375632269737e-06	0.0454609032646531	4.65767012669597e-05
LUAD	BRDT	cg06442199	-0.219970887131349	475	-4.87818193197909	1.47008105479556e-06	0.0483871911853528	2.40158516540878e-05
LUAD	BRDT	cg09250199	-0.556314751126777	475	-14.4829586375104	1.53311199504265e-39	0.309486102321248	6.11625202781272e-37
LUAD	BRDT	cg13299824	-0.243622111537589	475	-5.43407964946498	8.87698840696235e-08	0.0593517332300335	1.94748007933229e-06
LUAD	BRDT	cg14732540	-0.232712321217137	540	-5.52424590017648	5.18079214206041e-08	0.0541550244462679	1.20308819074462e-06
LUAD	BRDT	cg19245011	-0.176175007863802	475	-3.87180762837515	0.00012339416259355	0.0310376333958106	0.00115373100907612
LUAD	BRPF1	cg04879506	-0.102629399740656	475	-2.23199908802977	0.026087586090689	0.0105327936911273	0.088965169218026
LUAD	BRPF1	cg13694772	0.0874261010158729	475	1.89858540880496	0.0582338470316591	0.00764332313883762	0.161098250274915
LUAD	BRPF1	cg14712964	0.158954981984365	539	3.71353101684787	0.00022596317487479	0.0252666862976497	0.00192367905736588
LUAD	BRPF1	cg17738494	0.0972923715086335	540	2.25687578973377	0.0244199675591304	0.00946580555377395	0.0846995834096477
LUAD	BRPF1	cg20952324	0.0815801257638063	475	1.77075024783843	0.0772531110132099	0.00665531691963845	0.198017414107468
LUAD	BRPF1	cg25467642	-0.0507511353836017	475	-1.09933160026146	0.272188641139588	0.00257567774272467	0.468552078914988

LUAD	BRPF1	cg26227975	-0.0786405941362508	475	-1.70654126915653	0.0885707226729431	0.00618434304610252	0.218419793305615
LUAD	BRPF3	cg01499736	0.0186147734369084	475	0.402768908378518	0.687302152230614	0.000346509790107429	0.820086254649351
LUAD	BRPF3	cg05882415	-0.0395556116822205	475	-0.856388952140591	0.392220943660809	0.00156464641555462	0.589247925749275
LUAD	BRPF3	cg10562781	-0.023354422103543	475	-0.505371239289961	0.613536031018246	0.000545429031790459	0.770002767910032
LUAD	BRPF3	cg14654948	-0.0814606817849776	475	-1.76814030591256	0.0776889049107798	0.00663584267687338	0.19876506316454
LUAD	BRPF3	cg18779695	0.0474331608374249	475	1.02729246720002	0.304813422672058	0.00224990474702902	0.503334910228594
LUAD	BRPF3	cg23517469	0.0878278091076458	475	1.90737674529645	0.0570836922865628	0.00771372405264907	0.15878034745927
LUAD	BRWD3	cg03164831	-0.0868853829947549	540	-2.01351932794907	0.0445621415435326	0.00754906977814524	0.132614178464388
LUAD	BRWD3	cg05835545	-0.117683714712655	475	-2.56370284843528	0.010667483209453	0.0138494567085696	0.0448285538459478
LUAD	BRWD3	cg09523186	-0.102687507259293	475	-2.23327628263705	0.0260026717877694	0.0105447241471273	0.0887449262550554
LUAD	BRWD3	cg11957438	-0.121450139983236	445	-2.56071876069244	0.0107797824711626	0.0147501365019477	0.0452076764184164
LUAD	BRWD3	cg15511898	-0.123846188638096	474	-2.697102615701	0.00724753047580645	0.0153378784401829	0.0332995408583432
LUAD	BRWD3	cg22618269	-0.105470609758498	474	-2.29202309626217	0.0223483779136876	0.0111240495228294	0.0791266025585934
LUAD	BRWD3	cg25063710	-0.0550965027768892	540	-1.27393660779285	0.203241092623881	0.00303562461824376	0.387077081782804
LUAD	BRWD3	cg25708850	-0.165753082425961	451	-3.5416244484642	0.000439734088521469	0.0274740843337075	0.00336269278309635
LUAD	CARM1	cg12317676	-0.0768965362558443	540	-1.7805665154733	0.0755527944742432	0.00591307728814637	0.194904963965024
LUAD	CARM1	cg17918830	-0.0887725400627766	475	-1.92805578024968	0.0544528662478642	0.00788056386919727	0.153571138228188
LUAD	CARM1	cg22378614	-0.0468768659655177	475	-1.01521771697865	0.310526612206082	0.00219744056274912	0.509321258063672
LUAD	CARM1	cg26504915	-0.21293005193369	475	-4.71449677644531	3.20169512404182e-06	0.0453392070164841	4.78709726080549e-05
LUAD	CBX1	cg01544580	0.151073099219451	475	3.30615693922646	0.00101859175423987	0.0228230813077701	0.00681599730764423
LUAD	CBX1	cg01553295	0.0922343290018896	474	2.00387547713929	0.0456592491906712	0.00850717144642881	0.135026823977004
LUAD	CBX1	cg02835499	-0.0643118777703483	475	-1.39416476992838	0.163929381220696	0.00413601762234822	0.335183385882798
LUAD	CBX1	cg04864609	-0.167384604332655	475	-3.67290112576418	0.00026750043731218	0.0280176057675996	0.00221783321115461
LUAD	CBX1	cg11729481	-0.00869349383547498	475	-0.188076133954177	0.850898489588924	7.55768350674416e-05	0.920495849101554
LUAD	CBX1	cg12245530	0.0171763130995594	475	0.371635290654083	0.710332605932518	0.000295025731694096	0.834995386106653
LUAD	CBX1	cg13342109	0.0735309157782219	475	1.59503478087316	0.111379507046233	0.00540679557518397	0.257138421282131
LUAD	CBX1	cg17778721	0.0351359842513121	540	0.81167836524552	0.417338539425808	0.00123453738930845	0.612805480107423
LUAD	CBX1	cg21511817	0.0627235469118643	475	1.35959491173915	0.174612829958825	0.00393424333720483	0.349996815468271
LUAD	CBX4	cg04398978	-0.0111499857102186	540	-0.257433412221567	0.796943567121055	0.000124322181338078	0.888928479304533
LUAD	CBX4	cg04925705	0.0725281606659471	475	1.57316716137094	0.116355881074814	0.00526033408958544	0.264997305167462
LUAD	CBX4	cg05949524	-0.0620502497037628	475	-1.34494381266766	0.179294771152707	0.00385023348829932	0.35608121893885
LUAD	CBX4	cg07159673	-0.0874457924700142	475	-1.89901633227758	0.0581770233034304	0.0076467666207088	0.160981125093088
LUAD	CBX4	cg10756274	0.0261451601259606	475	0.565799707377639	0.571801117570222	0.00068356939801212	0.739541740349097
LUAD	CBX4	cg21365914	-0.0739868539148381	475	-1.60497927326581	0.109172915384474	0.0054740545522156	0.253567736890779
LUAD	CBX4	cg22353329	0.0137275529191917	475	0.297000361161086	0.766598005900285	0.000188445709149209	0.870609128043894
LUAD	CBX4	cg27487227	-0.0503662956249981	475	-1.09097421919465	0.275845584260028	0.0025367637349847	0.472303981114221
LUAD	CBX5	cg03689456	-0.00198505125265796	475	-0.0429433090628961	0.965765040190038	3.94042847567894e-06	0.982019656096601
LUAD	CBX5	cg05754589	0.13598458447634	540	3.16888383074388	0.00161805712852554	0.0184918072152029	0.0100075637030145
LUAD	CBX5	cg06399839	-0.084175328681404	475	-1.82747657109602	0.0682647435908719	0.00708548595862239	0.18105098400751
LUAD	CBX5	cg06621757	0.0541613384293981	475	1.17341123308565	0.241227772277899	0.0029334505804638	0.433426641951795
LUAD	CBX5	cg08288469	0.109192909795004	475	2.376411339084787	0.0178832402118182	0.0119230915495	0.0667951214249176
LUAD	CBX5	cg09060496	0.0521979862366336	475	1.13075659236688	0.25873668904979	0.00272462976715979	0.453403906108374
LUAD	CBX5	cg09158487	-0.041240627510579	475	-0.892930849518885	0.372353116088853	0.00170078935746633	0.570966398853138
LUAD	CBX5	cg09653879	0.0335918116465169	475	0.72711235211406	0.467520687853171	0.00112840980969507	0.656597294781003
LUAD	CBX5	cg11005091	-0.0521246955720177	540	-1.2050301816627	0.228726399934255	0.00271698388847552	0.418644508672705
LUAD	CBX5	cg11338003	0.0562559547127084	475	1.21893270198544	0.223483771570488	0.0031647324406383	0.412342868045162
LUAD	CBX5	cg12263485	0.153096731619836	540	3.57667722067181	0.000379669295911576	0.0234386092326762	0.00297651851316589
LUAD	CBX5	cg12600134	0.0395241158561653	475	0.85570599226177	0.392598306133514	0.00156215573421158	0.589473338750687
LUAD	CBX5	cg13445218	0.0106560109547913	475	0.23053785256024	0.817774593860951	0.000113550569468632	0.902005542080708
LUAD	CBX5	cg14017196	0.0556922335669338	475	1.20668001029403	0.228164986894566	0.00310162487967391	0.418037376129907
LUAD	CBX5	cg14394617	0.0428156061561839	475	0.927093332799918	0.354355932357541	0.00183317613052145	0.553371715951152
LUAD	CBX5	cg15708001	-0.0762068830006945	475	-1.65341503092067	0.0989170071175571	0.00580748901668154	0.236381079182381
LUAD	CBX5	cg20545544	-0.160689702530383	475	-3.52201849192183	0.000470266396144626	0.0258211804993029	0.00356255760265605
LUAD	CBX5	cg20927027	0.106983910518565	475	2.32777553129914	0.0203494639848149	0.0114455571098442	0.073788859943819
LUAD	CBX5	cg21826008	0.00402663874311706	475	0.0871102209340355	0.930621159328574	1.62138195675713e-05	0.963358079914365
LUAD	CBX5	cg24505978	0.0900901384794104	475	1.95690521076634	0.0509527557370122	0.00811623305123935	0.146282565590476
LUAD	CBX5	cg25817259	0.112588181633684	475	2.45124040269299	0.0146011562144604	0.0126760986435795	0.0571628175002633

LUAD	CBX6	cg03028106	-0.129169594454754	465	-2.78770398115032	0.00552911652385628	0.0166847841316057	0.0268798956915933
LUAD	CBX6	cg04134624	-0.0132460048076094	540	-0.305834599440654	0.759849996304588	0.000175456643363211	0.866373105461302
LUAD	CBX6	cg04215348	-0.0331335595202664	475	-0.717182267936548	0.473619423107905	0.00109783276648304	0.661661100026823
LUAD	CBX6	cg04801716	-0.0631511887889305	475	-1.36890146188744	0.171686729843185	0.00398807264545514	0.345925860176656
LUAD	CBX6	cg06060673	-0.0817103574158944	475	-1.77359599617356	0.0767802227934652	0.00667658250903321	0.197175606641628
LUAD	CBX6	cg09913544	-0.0878630553400289	475	-1.90814814982163	0.0569836818178293	0.00771991649368498	0.158587219380253
LUAD	CBX6	cg14498989	-0.0100874908988964	475	-0.218236897960553	0.827339665082515	0.000101757472635317	0.907284687220207
LUAD	CBX6	cg24649346	-0.0140127312486825	540	-0.323540788607204	0.746412626598372	0.000196356637047802	0.857598547097041
LUAD	CBX6	cg25836955	-0.159753815932183	475	-3.5009667627382	0.000507984480986961	0.0255212817048939	0.00379836069914452
LUAD	CBX7	cg00545295	-0.0512635215876678	475	-1.11045960916585	0.267371233744559	0.00262794864556928	0.463087453183083
LUAD	CBX7	cg01525244	0.0372055711756378	475	0.80543722575493	0.420976441568602	0.00138425452650545	0.61610055864602
LUAD	CBX7	cg02523424	-0.0700566387803371	475	-1.51928969138999	0.129364849748324	0.00490793263719864	0.285158367939509
LUAD	CBX7	cg03804568	0.0367810920267497	540	0.849732423397628	0.395855380649491	0.00135284873068023	0.592568136432229
LUAD	CBX7	cg10339854	-0.0862555919231564	475	-1.87297425450093	0.0616950822704973	0.00744002713801408	0.168017270282306
LUAD	CBX7	cg22268271	-0.178354519599343	475	-3.9212707000699	0.000101260675199726	0.0318103346615125	0.000974034843028091
LUAD	CBX7	cg26672614	-0.0701977274806972	475	-1.52236456124207	0.128593132225751	0.00492772094345424	0.28393194245083
LUAD	CBX7	cg27062573	-0.00562613745683008	475	-0.121713888846286	0.903177856124662	3.16534226831465e-05	0.948758505509675
LUAD	CDYL2	cg01442398	-0.190498504647533	475	-4.19798848223306	3.2239722511084e-05	0.0362896802729463	0.000362750502318089
LUAD	CDYL2	cg02461391	-0.162429357563935	474	-3.55736934892777	0.000412850312382852	0.0263832961986326	0.00318813551732297
LUAD	CDYL2	cg06919916	-0.306177792644834	475	-6.95779082545797	1.17141412519728e-11	0.0937448407088627	5.50106212951852e-10
LUAD	CDYL2	cg10112854	-0.00855639494542336	475	-0.185109900500346	0.853223029263742	7.32118944620665e-05	0.921812856158839
LUAD	CECR2	cg03927893	-0.236391280293475	475	-5.26309213847576	2.16179357528053e-07	0.0558808373987881	4.34308389878769e-06
LUAD	CECR2	cg12632097	-0.108469598730544	475	-2.36048360428005	0.0186603743520688	0.0117656538487652	0.0690118926714922
LUAD	CECR2	cg13466481	-0.158491010689275	475	-3.47257670454106	0.000563343012437329	0.0251194004693078	0.00414574839745999
LUAD	CECR2	cg26796679	-0.229031799175813	475	-5.09001331744006	5.19586480146331e-07	0.0524555650337099	9.555723554729e-06
LUAD	CHAF1A	cg03006338	-0.0603740525533132	475	-1.30847734731054	0.19135367434752	0.00364502622171023	0.371847419433742
LUAD	CHAF1A	cg04346879	-0.0578900316600069	475	-1.25445663148394	0.210302227351163	0.0033512557655966	0.395988175591343
LUAD	CHAF1A	cg05297461	0.0179726049716194	475	0.388869703027645	0.697549394544407	0.00032301452946588	0.826595341881637
LUAD	CHAF1A	cg07783855	-0.0417386501686452	475	-0.903732606286328	0.366602146697888	0.00174211491790055	0.565458152910927
LUAD	CHAF1A	cg09700233	-0.141120081740229	475	-3.08375486394503	0.00216490993311672	0.0199148774703689	0.0126629325817205
LUAD	CHAF1A	cg18804734	-0.0985767711513516	474	-2.140688374922	0.0328163777138642	0.00971737981062595	0.105526033300101
LUAD	CHAF1A	cg23811775	0.0105510502105003	475	0.22826682148057	0.819538517638888	0.000111324660544499	0.902837788343157
LUAD	CHAF1A	cg24085258	-0.00199183927210886	540	-0.0459852717104759	0.963339212708494	3.96742368591517e-06	0.980710986095118
LUAD	CHAF1B	cg00660452	-0.0118104320225982	474	-0.255243396877766	0.79864748711608	0.000139486304560412	0.8900274906446
LUAD	CHAF1B	cg02544117	-0.0928658033152306	468	-2.0025671818277	0.0458089017716698	0.00862405742538309	0.135335626022531
LUAD	CHAF1B	cg02908490	-0.165355684542659	475	-3.62712135796241	0.000318104000606337	0.0273425024105713	0.00256705980908595
LUAD	CHAF1B	cg04634639	0.000596835937908728	475	0.0129115377626473	0.989703871735971	3.56213136779391e-07	0.994436321090902
LUAD	CHAF1B	cg07872789	-0.11793828537471	475	-2.5693267311689	0.0104983081090973	0.0139094391571265	0.0442634752067159
LUAD	CHAF1B	cg13854874	-0.0776652850911472	540	-1.79847465230325	0.0726674970914397	0.00603189650828917	0.189446892383762
LUAD	CHAF1B	cg25942896	-0.0761601297693112	475	-1.65239473419203	0.0991247991066752	0.00580036536647833	0.236785510341408
LUAD	CHD1	cg03255775	0.083433899346636	475	1.81126653138468	0.070740573198408	0.00696121556018459	0.185780753271539
LUAD	CHD1	cg03833628	-0.00828933196028894	475	-0.179331829855023	0.857754768641628	6.87130243478677e-05	0.924340967886228
LUAD	CHD1	cg08865521	0.106777811287445	475	2.32323941804498	0.0205939774928414	0.0114015009833373	0.0744914625507093
LUAD	CHD1	cg11365324	-0.0849613670969974	475	-1.8446652483684	0.0657179649557473	0.00721843389899075	0.175957128324277
LUAD	CHD1	cg12662497	-0.0891871554662335	475	-1.93713286998094	0.0533305273111966	0.0079543487001581	0.151189644752277
LUAD	CHD1	cg16890600	0.0849739769324518	475	1.84494102184371	0.065677754000648	0.00722057675571685	0.175892839256624
LUAD	CHD1	cg21082921	-0.0835099421226038	475	-1.81292893217354	0.0704833148259	0.00697391043332064	0.185317662348454
LUAD	CHD4	cg00079216	-0.0288263429252142	475	-0.623868403109899	0.533017972821218	0.000830958046442049	0.710149001158654
LUAD	CHD4	cg00824109	0.0337299635284978	540	0.779160033216657	0.436231249099284	0.00113771043963379	0.629321720768284
LUAD	CHD4	cg04344119	0.0616334875645519	475	1.33587589944095	0.182239080355795	0.00379868678936977	0.359898126959757
LUAD	CHD4	cg05147525	-0.0667514886610552	474	-1.44573639516729	0.148921889175014	0.00445576123846698	0.314209797577528
LUAD	CHD4	cg11565429	0.064750998078894	475	1.40372404430927	0.16106423044408	0.00419269175221294	0.331198297460962
LUAD	CHD4	cg19509514	-0.15139559805564	475	-3.3133800418074	0.000993236055599315	0.0229206271106248	0.00667828917107114
LUAD	CHD4	cg20308811	-0.0328262013022033	475	-0.71052223001145	0.47773426620191	0.00107755949193277	0.665405490256258
LUAD	CHRA1	cg00296189	-0.156602550766121	475	-3.43015340880697	0.000656652239659472	0.0245243589064556	0.00472383986795533
LUAD	CHRA1	cg07270064	-0.065498766207852	475	-1.42000420591863	0.156272248794209	0.00429008837475085	0.3246293178108
LUAD	CHRA1	cg08877624	-0.0569228609962962	475	-1.23342967263303	0.218034621198576	0.00324021210400366	0.405599974210814

LUAD	CHRA	C1	cg12002314	0.0649543501735195	540	1.50276109754556	0.133492890293209	0.00421906760646419	0.291458165851923
LUAD	CHRA	C1	cg18770186	0.213776560172128	475	4.73413506634398	2.9196576380421e-06	0.0457004176790275	4.40947090455925e-05
LUAD	CHRA	C1	cg19486048	0.164454532778927	475	3.60680333952555	0.000343330615482484	0.0270452933515351	0.00273658421115208
LUAD	CHRA	C1	cg22610305	-0.00750989218621665	540	-0.173384213934424	0.862415258058141	5.63984806485979e-05	0.626864784797352
LUAD	CHRA	C1	cg23548819	-0.062177015641946	475	-1.34770212659784	0.178406235670279	0.0038659812741388	0.355012071410433
LUAD	CLOCK	cg05960024	-0.0418646562583035	540	-0.967368743969915	0.333798461859401	0.00175264944362591	0.533400109728042	
LUAD	CLOCK	cg06085476	-0.14839537731742	474	-3.24275464237659	0.00126856868732105	0.0220211880091795	0.00818029115230882	
LUAD	CLOCK	cg07236904	-0.0128270703156922	474	-0.277218140923761	0.781735278138212	0.000164533732883711	0.879442296242774	
LUAD	CLOCK	cg07500410	-0.0312573628672047	475	-0.676530721032333	0.499037965493423	0.000977022733412104	0.68328421929344	
LUAD	CLOCK	cg11774413	-0.0264472358844392	475	-0.572341389358781	0.567365543453438	0.000699456285927166	0.736033476825925	
LUAD	CLOCK	cg18928811	0.0814937108047022	475	1.76886200747759	0.0775681986619832	0.00664122490072044	0.198563357904255	
LUAD	CLOCK	cg22523077	-0.0454718070387344	475	-0.984724167804714	0.325268383220071	0.0020676852353679	0.524762316998173	
LUAD	CLOCK	cg23506964	0.00143772156376066	475	0.0311027050532115	0.975200891854299	2.06704329490239e-06	0.986921110159736	
LUAD	CREBBP	cg00039463	-0.137699823106872	475	-3.00755256138809	0.00277542777908006	0.0189612412836639	0.0154742083169035	
LUAD	CREBBP	cg00747661	0.0584163850887602	475	1.26590140425778	0.206178177803097	0.00341247404683833	0.390624319037873	
LUAD	CREBBP	cg03039399	-0.0259448753471444	475	-0.561462472667149	0.574751059554789	0.000673136556778862	0.7418523655988	
LUAD	CREBBP	cg03264209	-0.232292229454244	540	-5.5137042028143	5.48321033966905e-08	0.0539596798648232	1.26613495151147e-06	
LUAD	CREBBP	cg08506924	-0.0215099006622942	475	-0.465437984517675	0.641834346334351	0.000462675826501763	0.789630463145797	
LUAD	CREBBP	cg24567591	-0.0706897327094253	475	-1.53308798250647	0.125929874096951	0.00499703831052999	0.279830575723334	
LUAD	CTCF	cg01866162	0.000373530297839149	540	0.00862361717785772	0.993122660960045	1.39524883403804e-07	0.996437637722882	
LUAD	CTCF	cg04487155	-0.0438780356292854	475	-0.950142130405844	0.342530439239737	0.00192528201068484	0.541734434260412	
LUAD	CTCF	cg06241380	0.0448811425495695	475	0.971906922313021	0.331598902597577	0.00201431695655478	0.531308268875552	
LUAD	CTCF	cg07967402	0.0156989089882772	475	0.339661186260756	0.734264071542837	0.000246455743422212	0.850179882696826	
LUAD	CTCF	cg08324636	0.112772382849291	475	2.45530240002541	0.0144393120263231	0.0127176103335071	0.0567082929142666	
LUAD	CTCF	cg10218542	0.0214735762966276	475	0.464651623578635	0.64239704878289	0.000461114478967086	0.78997997713722	
LUAD	CTCF	cg10481400	-0.144414891071546	475	-3.15726870457761	0.00169540909050598	0.0208556607632065	0.0103975289544204	
LUAD	CTCF	cg23858565	0.0322126985304579	540	0.744074042622492	0.457159578235808	0.00103765794661417	0.647367611254257	
LUAD	CXXC1	cg02159718	-0.105474114828886	475	-2.29455287953064	0.0222006282304818	0.011124788898937	0.0787467939669167	
LUAD	CXXC1	cg07675399	-0.125197444574892	475	-2.72991422129718	0.00657396073044138	0.0156744001280831	0.0308192540113268	
LUAD	CXXC1	cg11871295	0.151356970381477	475	3.31251482923869	0.000996242056968826	0.0229089324830592	0.00669618581128675	
LUAD	CXXC1	cg13423076	-0.116673979417784	540	-2.71215124785462	0.00690073156251302	0.0136128174731814	0.0320575367953026	
LUAD	CXXC1	cg15632775	0.178436013801507	475	3.9231213264829	0.000100510396959794	0.0318394110213716	0.000968310318401263	
LUAD	CXXC1	cg20016845	-0.1057024717617	540	-2.45407929948571	0.0144433935057869	0.011173012536533	0.0567149396726365	
LUAD	CXXC1	cg27419474	-0.13410591093383	475	-2.92759942072902	0.00358235018514558	0.0179843953473923	0.0189866024188047	
LUAD	DAXX	cg00221327	-0.11738666698546	471	-2.5461898210369	0.0112127566511985	0.0137796295859553	0.0466188440448577	
LUAD	DAXX	cg02173004	-0.105912774269056	475	-2.30420379905609	0.0216483052076695	0.0112175157533681	0.0773626834179539	
LUAD	DAXX	cg02328295	-0.0481436765507821	475	-1.04271607813873	0.297618132301573	0.00231781359182632	0.495737088563475	
LUAD	DAXX	cg03085224	-0.0442198055542272	475	-0.957557315583735	0.338780423299347	0.00195539120325366	0.538122432418928	
LUAD	DAXX	cg03369465	-0.0676980900930565	473	-1.46476129278871	0.143660362451062	0.00458303140224759	0.306665485805851	
LUAD	DAXX	cg03382121	-0.161789439370144	475	-3.54676831716869	0.000429277803763206	0.0261758226917056	0.00329601633102594	
LUAD	DAXX	cg03902329	-0.0460459974833571	475	-0.997184923305323	0.319190056635048	0.00212023388423733	0.518588848959252	
LUAD	DAXX	cg04086445	-0.103665795177097	475	-2.25478238555339	0.0246084277643403	0.0107465970896998	0.0851831941947095	
LUAD	DAXX	cg04152866	-0.0485517324492072	475	-1.05157471957567	0.293537374856828	0.0023572707238194	0.491296182005424	
LUAD	DAXX	cg04271391	-0.141841121887377	475	-3.09983369355581	0.00205302455132068	0.0201189038582698	0.0121482461356538	
LUAD	DAXX	cg04488476	-0.184791288013007	475	-4.06770160602408	5.57120137986894e-05	0.034147820125506	0.00058292675204509	
LUAD	DAXX	cg04973788	-0.177771548778535	475	-3.9080346255345	0.000106783490291484	0.031602723555119	0.001019152845508	
LUAD	DAXX	cg05431670	0.0229017651919328	473	0.494510864495925	0.621178477329997	0.000524490848906422	0.775516087838776	
LUAD	DAXX	cg05532204	-0.0163642155156676	475	-0.35405951828641	0.72345373916473	0.000267787549443215	0.84326516211296	
LUAD	DAXX	cg06171013	-0.0427031717207794	475	-0.924654318007453	0.355622264312238	0.00182356087501437	0.554425508124536	
LUAD	DAXX	cg07689821	-0.0969121579883135	540	-2.24797225092247	0.0249859200263177	0.00939196636595184	0.0861605650038698	
LUAD	DAXX	cg08375286	-0.157041648700941	475	-3.44001406110923	0.000633759396991076	0.0246620794267098	0.0045807561580901	
LUAD	DAXX	cg08567382	-0.105563806352976	475	-2.29652606690957	0.0220867130363487	0.0111437172117287	0.0785038494974055	
LUAD	DAXX	cg09097215	-0.137534267759553	475	-3.00386684631184	0.00280861748386205	0.0189156748081564	0.0156200735301376	
LUAD	DAXX	cg09432361	-0.0244943727366284	475	-0.530053334218916	0.596326333169879	0.000599974295760885	0.757507959399127	
LUAD	DAXX	cg09615909	-0.170737913093339	475	-3.74866946640894	0.000200016425444486	0.0291514349674684	0.00173720429229271	
LUAD	DAXX	cg11111423	-0.113409218318184	475	-2.4693478469959	0.0138918574928214	0.0128616507995415	0.0550508462022591	
LUAD	DAXX	cg12025215	-0.0799912327512335	475	-1.73603796472194	0.0832152510622878	0.00639859731706201	0.208733063814394	

LUAD	DAXX	cg12832355	-0.141929419497735	475	-3.10180303098821	0.00203969288798974	0.0201439601189641	0.012084986178848
LUAD	DAXX	cg12923297	-0.175715058344239	474	-3.85724920321709	0.000130770508488071	0.0308757817289194	0.00121152327466012
LUAD	DAXX	cg13443893	-0.0506937681482935	475	-1.09808575238942	0.272731665811899	0.00256985812907294	0.469140679052977
LUAD	DAXX	cg13826470	-0.111668869025708	475	-2.42577163281735	0.0156545992426164	0.0124699363094807	0.060317779429822
LUAD	DAXX	cg14539675	-0.0542816402624638	475	-1.17602527900383	0.240182648456564	0.00294649646958353	0.432127684590992
LUAD	DAXX	cg14622330	0.00515953665130573	475	0.111619329432352	0.911173100234337	2.66208184561671e-05	0.952780078345478
LUAD	DAXX	cg14746369	0.0214051416665626	475	0.463170134848044	0.643457728638409	0.000458180089765614	0.790729808730691
LUAD	DAXX	cg14910283	-0.198937317707898	475	-4.3914475014455	1.39353805111005e-05	0.0395760563768133	0.000175006071619457
LUAD	DAXX	cg16922466	-0.09606171238563	475	-2.08778780260106	0.0373571473495536	0.0092278525864595	0.116451431355633
LUAD	DAXX	cg17079757	-0.187215541507149	475	-4.1229905840968	4.42490582299308e-05	0.0350496589818149	0.000477326553868033
LUAD	DAXX	cg17504991	-0.139047261487851	474	-3.03431282144163	0.00254531658066658	0.0193341409272707	0.0144564764602742
LUAD	DAXX	cg18187593	-0.0190016099284366	475	-0.411141903871549	0.681156682892708	0.000361061179872461	0.816078553278878
LUAD	DAXX	cg18279148	-0.114882084176827	452	-2.43959243166624	0.0150934137523514	0.0131978932648115	0.0586560610176054
LUAD	DAXX	cg18486541	-0.0335727443699064	475	-0.726699165080596	0.46777358013907	0.00112712916452708	0.656799528803155
LUAD	DAXX	cg18944910	-0.100165637019446	475	-2.17786702290644	0.0299145571822706	0.0100331548395113	0.0984588365813824
LUAD	DAXX	cg18967278	0.0189249280494975	475	0.409482125974271	0.68237322863993	0.000358152901678657	0.816898926624113
LUAD	DAXX	cg20223162	-0.142422997413631	475	-3.10615446183029	0.00201101975508442	0.020284310192283	0.011951510376397
LUAD	DAXX	cg20763184	-0.168506028873991	475	-3.69822507851367	0.000242864596687211	0.0283942817668823	0.00204319329887367
LUAD	DAXX	cg21286626	0.01326651806499	475	0.28702392607008	0.774221034362191	0.000176000501568706	0.874923752864211
LUAD	DAXX	cg24328964	-0.0520537223266422	475	-1.12762292373148	0.260056978157952	0.00270959000805917	0.4551377403559
LUAD	DAXX	cg24496586	-0.027298610413633	475	-0.590779407178758	0.554953423169812	0.000745214130515313	0.726545271908456
LUAD	DAXX	cg24513883	-0.147036172878794	475	-3.21583126218575	0.00139071823653811	0.0216196361348425	0.00883973645667502
LUAD	DAXX	cg24728112	-0.138219156935921	475	-3.01911602239817	0.00267361803808666	0.0191045353440767	0.0150228560241902
LUAD	DAXX	cg25642825	-0.106918534688802	475	-2.32633661794206	0.0204267502286478	0.0114315730600006	0.0740001214160113
LUAD	DAXX	cg26521092	-0.096500389786758	475	-2.09741135145611	0.0364930439617816	0.00931232522899623	0.114431853841865
LUAD	DAXX	cg27052777	-0.203356624921446	475	-4.49316224362892	8.85316814434572e-06	0.0413539168994418	0.000117449413816717
LUAD	DAXX	cg27393652	0.025573750696845	475	0.553425821131726	0.580236145799211	0.000654016724704382	0.74604804188655
LUAD	DIDO1	cg00080059	0.096163168910947	475	2.09001341041647	0.0371557709893574	0.00924735505499532	0.115977051251698
LUAD	DIDO1	cg01488865	0.00952381071464479	475	0.206040871688245	0.836848584696728	9.0702970528383e-05	0.912661659226113
LUAD	DIDO1	cg06646488	-0.0979438033909394	475	-2.12908518585114	0.0337686738736593	0.009592988622683	0.107814176119488
LUAD	DIDO1	cg08610063	0.0461655212591121	475	0.99977888466079	0.317934167508831	0.00213125535312553	0.517239755472458
LUAD	DIDO1	cg13815390	0.0279699256647877	475	0.605318828785249	0.545260583276178	0.000782316741693752	0.719190564005349
LUAD	DIDO1	cg20969846	0.0226153754223303	540	0.522250056428787	0.601713217056379	0.000511455205492942	0.761293899648446
LUAD	DIDO1	cg21212389	0.0376043784491449	474	0.813212672873597	0.416510533227128	0.00141408927854651	0.612074888017515
LUAD	DIDO1	cg21687703	0.0532548599219649	475	1.15371594573372	0.249205490531523	0.00283608010530811	0.4427003843595
LUAD	DIDO1	cg22394521	-0.0422583697536949	475	-0.915005673609855	0.36065984788775	0.00178576981423999	0.559598951026758
LUAD	DMAP1	cg01604592	-0.146256359013401	475	-3.19840211708949	0.00147563888399947	0.0213909225518567	0.00927568288153318
LUAD	DMAP1	cg11683482	-0.0155888257776165	475	-0.337278847800388	0.736057914918114	0.00024301148912488	0.851121325759765
LUAD	DMAP1	cg15990015	-0.0529191737773905	540	-1.22344829526343	0.221701021705472	0.00280043895328166	0.410193818259893
LUAD	DMAP1	cg18017761	-0.194761257311365	475	-4.29558779180721	2.11999456036637e-05	0.0379319473495037	0.000251829068299193
LUAD	DMAP1	cg18167340	-0.0439618843494133	475	-0.951961316741465	0.341607982553039	0.00193264727555119	0.540754950510328
LUAD	DMAP1	cg21437596	-0.107759634882843	475	-2.34485145854473	0.0194516460405409	0.0116121389100836	0.071267430512779
LUAD	DMAP1	cg23021241	-0.0681952492870621	475	-1.4787313033631	0.139884868452308	0.00465059202532454	0.301162435832703
LUAD	DMAP1	cg23451311	0.023838318873755	540	0.550506766829307	0.582202478997453	0.000568265446726826	0.747437416471217
LUAD	DMAP1	cg24485408	-0.12157198136476	475	-2.64965759767204	0.00833001476532567	0.0147797466529535	0.037061776874678
LUAD	DNMT1	cg04160663	-0.0576560438338359	475	-1.24936925167949	0.21215453564966	0.0033242193905692	0.398342524278281
LUAD	DNMT1	cg04762346	-0.0434948130731834	540	-1.00510691569286	0.315301446901504	0.00189179876427117	0.514473661519299
LUAD	DNMT1	cg06128182	-0.0645736384692561	475	-1.39986297870351	0.162216885092079	0.00416975478515819	0.332854175582339
LUAD	DNMT1	cg06716436	0.11588882876719	540	2.69365067782317	0.00729010879060053	0.0134302206330311	0.0334351328414089
LUAD	DNMT1	cg10635912	-0.0192324720891584	475	-0.416138955145839	0.677499089975895	0.000369887982660255	0.813607750567516
LUAD	DNMT1	cg11380607	-0.0446293337684262	475	-0.966443057221038	0.334321670289549	0.00199177743261358	0.533874292193635
LUAD	DNMT1	cg13393778	-0.0134802074187987	475	-0.291647974068594	0.770685017831456	0.000181715992053836	0.872956760005537
LUAD	DNMT1	cg15043801	0.102634404046508	540	2.38207862621037	0.0175650288348927	0.0105338208939819	0.0658881263890082
LUAD	DNMT1	cg21893394	-0.0101742605683592	475	-0.220114301939354	0.825878118437682	0.000103515578112868	0.906336527005393
LUAD	DNMT1	cg23401624	0.0250416666319071	475	0.541904014989818	0.588142535690843	0.000627085067703567	0.751757571461354
LUAD	DNMT1	cg24477899	-0.0466374937203853	475	-1.01002227515778	0.313006524189767	0.00217505582051898	0.512012393532753
LUAD	DNMT1	cg27429799	-0.0615486718342719	475	-1.33403056430619	0.182842632582285	0.00378823900456289	0.36078781887397

LUAD	DNMT3A	cg02208653	-0.0986590102262789	475	-2.14478448317109	0.0324842713027224	0.00973360029882901	0.104730412135961
LUAD	DNMT3A	cg03463641	-0.0610916462034753	475	-1.32408755975706	0.186120282985344	0.0037321892358506	0.365023982618915
LUAD	DNMT3A	cg06112956	-0.0590227408723818	475	-1.27908702030367	0.201500249336901	0.00348368394008833	0.384845094690045
LUAD	DNMT3A	cg07150430	0.0447757962754313	475	0.969621046899973	0.332736251598804	0.00200487193209893	0.532391689775346
LUAD	DNMT3A	cg12066181	-0.0638795858476223	540	-1.47779298445316	0.140053844793513	0.00408060148806374	0.301417788526477
LUAD	DNMT3A	cg13076778	-0.162192182487034	475	-3.55583553087643	0.000415117621697961	0.0263063040599072	0.00320246531756953
LUAD	DNMT3A	cg13344237	-0.0467632000827629	475	-1.01275064023498	0.311702581890669	0.00218679688198052	0.510571887554012
LUAD	DNMT3A	cg15990840	-0.0511331560392612	475	-1.107628245791	0.268591340123618	0.00261459964653543	0.464386879936781
LUAD	DNMT3A	cg15998962	-0.130170820084672	475	-2.84019092932955	0.00470513717442185	0.0169444424015159	0.023628651562002
LUAD	DNMT3A	cg21629895	-0.25445701068329	540	-6.07454548816072	2.36685135746464e-09	0.064748370285876	7.30662041677001e-08
LUAD	DNMT3A	cg21708767	-0.0828448074355594	475	-1.79838924055658	0.0727596236681559	0.00686326211903491	0.189648936662887
LUAD	DNMT3A	cg22731525	-0.0430410484278546	475	-0.931983907451367	0.351825376046631	0.00185253184976892	0.550686045468613
LUAD	DNMT3A	cg25044635	-0.0188819261709932	475	-0.408551354248962	0.683055807033157	0.000356527135926837	0.81738903001642
LUAD	DNMT3A	cg26470599	-0.333112830374193	475	-7.64283795987061	1.21336159621583e-13	0.110964157759906	7.96559088742738e-12
LUAD	DNMT3A	cg26995204	-0.0430314948176636	475	-0.931776655746845	0.35193238189318	0.00185170954624261	0.550792196612109
LUAD	DNMT3B	cg00300969	0.263070958698153	475	5.89887404824192	7.02369944597107e-09	0.0692063293103652	1.98330916406488e-07
LUAD	DNMT3B	cg13636640	-0.0136378610638963	474	-0.294744081572232	0.768320364052881	0.000185991254398139	0.871648987941577
LUAD	DNMT3B	cg14224313	0.0814268298910234	475	1.76740063019522	0.0778127765903872	0.00663032862610166	0.198947222600736
LUAD	DNMT3B	cg16523653	-0.0300738220406256	540	-0.694622288323037	0.48759471036621	0.00090443477213122	0.673864021378232
LUAD	DNMT3B	cg16953106	0.00164192887604118	475	0.035520400399685	0.971679924472006	2.69593043397784e-06	0.98496147038081
LUAD	DNMT3B	cg17475857	0.238669185634767	475	5.31685610709036	1.638212687496e-07	0.0569629801715631	3.38944462263468e-06
LUAD	DNMT3B	cg17721173	-0.0134066665161595	475	-0.290056609713785	0.77190140121871	0.000179738707075511	0.87355184086022
LUAD	DNMT3B	cg22605822	-0.0361475730037993	475	-0.782502962387829	0.434314790018634	0.001306647034065	0.62779101757204
LUAD	DNMT3B	cg24403338	0.204079472457804	475	4.50982635659415	8.21222632327329e-06	0.0416484310786556	0.000109845587103288
LUAD	DNMT3B	cg25803642	-0.0826242035960834	475	-1.79356742665225	0.0735277168478782	0.00682675901988705	0.191103775073405
LUAD	DNMT3L	cg09247319	0.0211063323506256	475	0.456701517566117	0.648097489931932	0.000445477265295065	0.793909851717419
LUAD	DNMT3L	cg15635600	-0.0936353882100128	475	-2.03458198262054	0.0424561513203782	0.0087675859252398	0.127878032980389
LUAD	DNMT3L	cg27187798	-0.0296987251394337	475	-0.642765184403278	0.520691248044791	0.000882014274907631	0.700916318291715
LUAD	DPF1	cg06168449	-0.0699570748986997	540	-1.61905116151703	0.10602777829379	0.00489399232838228	0.248323849487811
LUAD	DPF1	cg06615189	-0.0143408915813853	475	-0.310272826772425	0.756491616049819	0.000205661171349048	0.864196002207966
LUAD	DPF1	cg07480327	-0.0809196376077767	455	-1.71838110752546	0.0864180208630283	0.00654798775057391	0.214628340676769
LUAD	DPF1	cg08057062	-0.0582110982329573	475	-1.26143762130187	0.207779608104972	0.003388531957487	0.392830303461697
LUAD	DPF1	cg13322582	-0.0818349454127459	475	-1.77631850814738	0.0763300315236712	0.0066969582907071	0.196363044720651
LUAD	DPF1	cg13917712	-0.0409208286202444	475	-0.88599499135358	0.376075246315981	0.00167451421496741	0.574628280787706
LUAD	DPF1	cg17121541	-0.0926466642091097	475	-2.01291122295183	0.044696149147393	0.00858340438907553	0.132921394099864
LUAD	DPF1	cg22145401	-0.0397601760082672	475	-0.860824815795586	0.389775328457802	0.00158087159620838	0.587365990664154
LUAD	DPF1	cg27400772	-0.028806486617231	423	-0.588489321660868	0.556522504225828	0.000829813671228706	0.727889031317677
LUAD	DPF2	cg02186298	0.0507819145944221	540	1.17390615162724	0.240956880065052	0.00257880284987518	0.43311997799812
LUAD	DPF2	cg14699126	-0.0533221427973812	475	-1.15517771887354	0.248607107310582	0.00284325091250431	0.44197955359293
LUAD	DPF2	cg15918224	0.0595613040089755	475	1.2907996354791	0.19741044668958	0.0035475489352496	0.379719204988087
LUAD	DPF2	cg15929437	0.0657783663439029	475	1.42609218369417	0.154508424373995	0.0043267934788727	0.322057455810262
LUAD	DPF2	cg18224556	0.0332419915397576	475	0.719531892022178	0.472172408732209	0.00110503000152931	0.660258845737484
LUAD	DPF2	cg19517014	-0.0632413177638615	475	-1.37086298881282	0.171074725298584	0.0039994642725097	0.345139709021734
LUAD	DPF3	cg00888802	-0.0302489181360694	475	-0.654683737590852	0.512993015664884	0.000914997048402631	0.694712832459465
LUAD	DPF3	cg05151458	-0.0855362433394753	475	-1.8572385360883	0.0639052129310312	0.00731644892462994	0.172374112667093
LUAD	DPF3	cg07171024	-0.0771840628364806	475	-1.67474256766824	0.0946527916574839	0.00595737955594579	0.228988830975261
LUAD	DPF3	cg10266394	0.0238440582777779	475	0.515972544554628	0.606117262930667	0.000568539115154067	0.764553148905166
LUAD	DPF3	cg12913429	-0.0433229416074961	469	-0.932066430883171	0.351789012311136	0.00187687726952652	0.550686045468613
LUAD	DPF3	cg13819165	-0.0581626365834958	475	-1.26038388860917	0.208158962987126	0.0033828922943438	0.393304310266934
LUAD	DPF3	cg14238615	-0.0514645157095989	475	-1.11482504119766	0.265497558806043	0.00264859637722355	0.461214708806156
LUAD	DPF3	cg14242696	-0.00035486849920056	475	-0.0076769799028748	0.993877987734001	1.25931651724858e-07	0.996837979162473
LUAD	DPF3	cg15392845	-0.0551880853274229	475	-1.195723139065	0.2324101130452	0.00304572476210691	0.423025557656488
LUAD	DPF3	cg15740492	-0.0214564921298359	475	-0.464281780965674	0.64266177119284	0.000460381054517711	0.790163576750788
LUAD	DPF3	cg16696021	0.0540089360845457	475	1.17009974674374	0.242556346856748	0.00291696517698455	0.434979908883676
LUAD	DPF3	cg19710444	-0.0481101302733911	475	-1.0419878325224	0.297955284419982	0.00231458463492266	0.496141831229273
LUAD	DPF3	cg19839347	0.0128043850708596	475	0.277023911824078	0.781884059262693	0.000163952277042852	0.879507923860697
LUAD	DPF3	cg20548765	-0.0462339440470942	475	-1.00126384763828	0.317216673734496	0.00213757758214984	0.516418070491386

LUAD	DPF3	cg21035356	-0.011790667854309	475	-0.255088853820663	0.798766533199138	0.000139019823245064	0.890081269730476
LUAD	DPF3	cg22784589	-0.0785100261813331	475	-1.7036902899501	0.0891027970592962	0.00616382421099361	0.219273155587463
LUAD	DPF3	cg23515460	0.0314722136951023	475	0.681185522169654	0.496091016930323	0.000990500234870184	0.680951117266476
LUAD	DPF3	cg24383902	-0.0644507255525231	475	-1.39718727947329	0.16301932508014	0.00415389602424665	0.333796367101424
LUAD	DPF3	cg25495195	-0.0294299420760796	475	-0.636942885848827	0.52447348049612	0.000866121490601402	0.703633462244597
LUAD	DPF3	cg26057784	0.240891499482483	475	5.36939766286698	1.24649149471606e-07	0.0580287145229189	2.65379199069352e-06
LUAD	EED	cg00080012	-0.100063037951235	540	-2.32178744029825	0.0206203923753298	0.0100126115640302	0.0745573804887855
LUAD	EED	cg01739327	0.141534168663646	475	3.09298817844853	0.00209999244643642	0.0200319208993093	0.0123603550259571
LUAD	EED	cg02172616	-0.0439435341053094	475	-0.951563187138184	0.341809726090309	0.00193103418966449	0.540978179461441
LUAD	EED	cg04607174	-0.125775666721737	475	-2.74272446716297	0.00632688562189634	0.0158195183392975	0.0299115004600306
LUAD	EED	cg06358433	-0.00335446089989108	475	-0.0725684929428695	0.942180502538811	1.12524079288981e-05	0.96920435343448
LUAD	EED	cg10086030	0.00206605894893277	475	0.0446957842653549	0.964368858151486	4.2685995804652e-06	0.981304374156205
LUAD	EED	cg10535675	-0.0319720983916603	472	-0.689794459844552	0.4906675507355527	0.00102221507556601	0.676466787919252
LUAD	EED	cg12672785	-0.0121441802603519	475	-0.262738162935959	0.792868020720446	0.000147481114195921	0.886436517792237
LUAD	EED	cg16265078	-0.131372533295722	475	-2.86686938354686	0.00433251581386552	0.0172587425045355	0.0221258934696944
LUAD	EED	cg18574463	0.0439198224369301	475	0.951048736711881	0.34207052591159	0.00192895080289147	0.541259727301256
LUAD	EED	cg19325359	-0.075353354256569	471	-1.62778890146317	0.104248450901412	0.0056781279971264	0.245397724201901
LUAD	EED	cg21042619	0.0263769317628874	65	0.209433273875029	0.83478578688136	0.000695742529224016	0.9115083724651
LUAD	ELP3	cg01209934	0.0792984458973919	475	1.72090695034068	0.0859286376789465	0.00628824352174159	0.213706280038234
LUAD	ELP3	cg02516513	0.0588127928349961	475	1.27452140017482	0.203111149585986	0.00345894460105216	0.386952754344228
LUAD	ELP3	cg04720865	-0.491487399386113	475	-12.2088472673403	5.94024271892928e-30	0.241559863755324	1.62716634533938e-27
LUAD	ELP3	cg05621091	-0.022243587403403	475	-0.481321457768668	0.63051301429811	0.000494777180572828	0.781961985019325
LUAD	ELP3	cg15692687	0.0773847828589668	475	1.67912400169781	0.093795338354264	0.00598840461812944	0.227482059855706
LUAD	ELP3	cg17572663	-0.00846232300799465	475	-0.183074592275677	0.85481877471059	7.16109106916357e-05	0.92259728919616
LUAD	ELP3	cg18022570	0.0473575015035359	475	1.02565017499639	0.305586337404866	0.00224273294865741	0.504119929852921
LUAD	ELP3	cg18249244	-0.0848238775910243	539	-1.96355006799338	0.0501027038324372	0.00719509020957708	0.144487312497799
LUAD	ELP3	cg19781013	0.115817494946912	475	2.52249057252229	0.0119832196215657	0.0134136921357779	0.0490778741362497
LUAD	ELP3	cg22414525	0.170310500826775	475	3.73900464693104	0.00020763015477112	0.0290056666918668	0.00179112666447821
LUAD	ELP3	cg22487209	-0.0439671484233816	475	-0.952075527045063	0.341550123073292	0.00193311014048366	0.540751515386161
LUAD	ELP3	cg25374552	0.0405496740509482	475	0.877945663435657	0.380423694932168	0.00164427606563814	0.578781814089528
LUAD	ELP4	cg04972224	-0.142364055647028	475	-3.11149799979799	0.00197521586330926	0.02026752434027	0.0117756106115626
LUAD	ELP4	cg05195750	-0.035754409845289	475	-0.773981026427757	0.439332811073712	0.0012783778233849	0.632049722688692
LUAD	ELP4	cg05635455	-0.0743406463562604	475	-1.61269655711107	0.107484535993364	0.00552653170066657	0.250888552829006
LUAD	ELP4	cg08111895	-0.0490803092748598	475	-1.06305058115472	0.288307226999013	0.00240887675851589	0.485845848160379
LUAD	ELP4	cg08626560	-0.0888667824438562	475	-1.93011892042185	0.0541960478822111	0.00789730502192368	0.153062246947905
LUAD	ELP4	cg09616795	0.0588010321451221	475	1.27426565203758	0.20320166333573	0.00345756138133168	0.387072211217021
LUAD	ELP4	cg10583382	-0.253000475708975	540	-6.0373890358346	2.93743694230541e-09	0.0640092407089674	8.87185442038307e-08
LUAD	ELP4	cg11385473	-0.219080136585155	540	-5.18378815745055	3.09142134624134e-07	0.0479961062461702	5.98392715126895e-06
LUAD	ELP4	cg13263383	-0.190659347198785	474	-4.19717523270285	3.23635998767456e-05	0.036350986674267	0.000363978335344641
LUAD	ELP4	cg19328333	-0.028269865668106	475	-0.611815227035498	0.540957111615559	0.000799185304892759	0.716078502969606
LUAD	ELP4	cg24001477	0.0585255253522624	475	1.26827462931073	0.205330428349717	0.00342523711775831	0.389558953834697
LUAD	ELP4	cg24531794	-6.05752146455724e-05	475	-0.0013104422569653	0.998954977042702	3.66935662935717e-09	0.999495321926944
LUAD	ELP4	cg25130734	-0.0568789154172665	475	-1.23247434856413	0.21839073490791	0.00323521101904456	0.406068233739476
LUAD	EP300	cg00500400	0.152790865897645	539	3.56601060359173	0.000395137467703786	0.0233450487017522	0.00307485487271665
LUAD	EP300	cg02046995	0.148069457584207	475	3.238935026632	0.00128511069268065	0.0219245642692811	0.00826913988638533
LUAD	EP300	cg07519229	-0.155628359140546	475	-3.40828379984823	0.000710206029326834	0.0242201861687789	0.00504610173033626
LUAD	EP300	cg08131204	-0.0885860638854132	475	-1.92397362529667	0.054964012067729	0.00784749071471051	0.154581192104295
LUAD	EP300	cg09331127	-0.00162014766205238	475	-0.0350491988160911	0.972055453812659	2.62487844685378e-06	0.985249114542922
LUAD	EP300	cg24349919	0.0840699416282443	475	1.82517228403545	0.0686122680849057	0.0070677550853764	0.181663305650306
LUAD	EPC1	cg02900516	-0.0307343916857925	474	-0.664489735706591	0.506704882796201	0.000944602832295708	0.68964102085707
LUAD	EPC1	cg16942190	-0.0434037881111524	474	-0.938848554685173	0.34829382138522	0.0018838888239782	0.547520955823586
LUAD	EPC1	cg26211455	-0.008396479817594	475	-0.181650034450299	0.855936027606526	7.05008733272633e-05	0.923330878485206
LUAD	EPC2	cg00066942	-0.173222613770835	475	-3.80489789193067	0.000160686811744422	0.0300060739215999	0.00144363896903171
LUAD	EPC2	cg03664802	-0.058321527913083	475	-1.26383879802564	0.206917038841899	0.00340140061811652	0.391718884473431
LUAD	EPC2	cg04098458	-0.0350054735477044	475	-0.757748587288202	0.448982874814443	0.00122538317829903	0.640247128061616
LUAD	EPC2	cg05586854	-0.0151701347595321	475	-0.328217961450445	0.742893662773352	0.000230132988622364	0.855481459341793
LUAD	EPC2	cg10458926	-0.0512450855986716	475	-1.11005920097	0.267543547339851	0.00262605879801518	0.463307960710783

LUAD	EPC2	cg11721798	-0.0273667659975616	475	-0.592255491706666	0.553965536569699	0.000748939881165292	0.725789362074593
LUAD	EPC2	cg12432635	0.024779890298121	475	0.536235651566851	0.592050476265981	0.000614042963186912	0.754488509382889
LUAD	EPC2	cg16434205	0.0558067183301938	475	1.20916828574047	0.227208700135825	0.00311438981078559	0.41681539448112
LUAD	EPC2	cg21347644	-0.108682589741251	475	-2.36517400043435	0.0184285313013323	0.0118119053128651	0.0683559416419133
LUAD	EPC2	cg21650422	-0.0746011103764994	475	-1.61837845681877	0.106254767145029	0.00556532566940664	0.248683274324752
LUAD	EZH1	cg00728999	0.0929267480623878	475	2.01904946190145	0.0440517402812513	0.00863538050545049	0.131507774029689
LUAD	EZH1	cg01716316	0.0526068347294064	475	1.1396378949103	0.255020131480552	0.00276747906024708	0.449308576057263
LUAD	EZH1	cg03623386	0.101515228361822	475	2.20751421737733	0.0277625792683716	0.010305341589353	0.0931795180953123
LUAD	EZH1	cg05375741	-0.040181332542746	475	-0.869957703024927	0.384769493237271	0.00161453948491074	0.582893713134839
LUAD	EZH1	cg05979501	0.113963334157149	475	2.4815714150809	0.0134304607228728	0.0129876415322139	0.0536459879582647
LUAD	EZH1	cg06975499	0.153893377053789	540	3.59573888688695	0.000353532712255742	0.0236831715010196	0.00280411131904804
LUAD	EZH1	cg12812489	-0.071302897682056	475	-1.54645369655279	0.122670952495507	0.00508410321785775	0.274828659546643
LUAD	EZH1	cg19395400	-0.0383239036502119	475	-0.829682308162889	0.407141421435126	0.00146872159099072	0.603344249830924
LUAD	EZH1	cg22227424	0.0117494820692729	475	0.254197707009579	0.799454468632985	0.000138050328896166	0.890500777158719
LUAD	EZH1	cg27088844	0.125644284309834	540	2.92389437278403	0.0036038160175256	0.0157864861797305	0.0190601171573449
LUAD	EZH2	cg01893439	-0.0063121767905918	475	-0.136555982936064	0.891440493129005	3.98435758356858e-05	0.942509562080416
LUAD	EZH2	cg02303805	-0.0797991227646582	475	-1.73184187749828	0.0839606474397708	0.00636789999400899	0.210142030980295
LUAD	EZH2	cg06816161	0.0429392366985274	540	0.992244420257797	0.321528542739758	0.00184377804825216	0.521017152430777
LUAD	EZH2	cg13751213	-0.0488204573408393	475	-1.05740885889076	0.290870525442688	0.00238343705496871	0.488419384322745
LUAD	EZH2	cg18494018	-0.0410483886726484	475	-0.888761504816418	0.374587842122524	0.00168497021262081	0.573251890271858
LUAD	EZH2	cg20101066	0.0556946564707242	475	1.20673267053618	0.228144718917729	0.00310189475939198	0.418019931779307
LUAD	FBXL19	cg00026853	0.00766642651261264	475	0.165855037406328	0.868342655886914	5.87740954732899e-05	0.930069096832848
LUAD	FBXL19	cg02291855	-0.0506538475377553	475	-1.09721880040015	0.273109980500182	0.00256581227037816	0.469407401860969
LUAD	FBXL19	cg03181514	-0.0878283174703162	475	-1.90738787134962	0.0570822487840409	0.00771381334966664	0.15878034745927
LUAD	FBXL19	cg03627896	-0.0330428905455631	540	-0.763271162231103	0.44563939321432	0.00109183261560606	0.637585444435112
LUAD	FBXL19	cg04477789	-0.134151861596251	475	-2.9286209274019	0.00357081372694181	0.0179967219697396	0.0189483936649398
LUAD	FBXL19	cg05643349	-0.0728769058407973	475	-1.58077188738081	0.114605779903025	0.0053110430492844	0.262294196751373
LUAD	FBXL19	cg05768582	-0.064877021076602	475	-1.40646760840261	0.160248966244219	0.00420902786377386	0.33006960944475
LUAD	FBXL19	cg06862768	-0.146827300077388	475	-3.21116227386512	0.00141301245151492	0.0215582560480153	0.00894854205903219
LUAD	FBXL19	cg07697662	-0.0896353244668675	475	-1.94694568350756	0.0521390894175315	0.00803449139228061	0.148760666109713
LUAD	FBXL19	cg08535091	0.103938301737275	540	2.41266966189918	0.0161727412974986	0.0108031705680288	0.0618312481078044
LUAD	FBXL19	cg08593668	-0.091349072724405	475	-1.98447983761219	0.0477859382905255	0.00834465308760863	0.139574888734318
LUAD	FBXL19	cg09011601	-0.00733850978246918	475	-0.158760514817295	0.873926043845561	5.38537258273958e-05	0.933249378291058
LUAD	FBXL19	cg11940219	0.0119680424130136	475	0.258650108536797	0.796019176729807	0.000143234039199692	0.88829222432715
LUAD	FBXL19	cg26666512	-0.104436427622418	475	-2.27172816810424	0.0235560504630777	0.0109069674145325	0.0824233971899729
LUAD	FBXL19	cg27602786	-0.0499893093150556	475	-1.08278786012509	0.279460153657652	0.00249893104579631	0.476497076914069
LUAD	FBXW9	cg02753619	0.0185275375926727	475	0.400880731790594	0.688690890738482	0.000343269649247901	0.821088416154934
LUAD	FBXW9	cg03160342	-0.0733984274270489	475	-1.59214525881922	0.112027243331999	0.00538732914876377	0.258237110395979
LUAD	FBXW9	cg05868316	-0.063091152384781	540	-1.45947998179918	0.145022143637716	0.00398049350923966	0.308686625492927
LUAD	FBXW9	cg06489804	-0.121988005074918	540	-2.83750347549249	0.00471994353657916	0.0148810733821582	0.023690331181415
LUAD	FBXW9	cg12110584	-0.127812259240731	475	-2.78786695155632	0.00552162174710515	0.0163359736122199	0.0268468151371436
LUAD	FBXW9	cg14342428	-0.047645993733238	475	-1.03191239953767	0.302646122771885	0.00227014071882776	0.501001244305997
LUAD	FBXW9	cg15828427	-0.0756093853161227	475	-1.63862317363506	0.101965262726274	0.00571677914788191	0.241604113688575
LUAD	FBXW9	cg19721801	-0.0975845273493816	475	-2.12120008036075	0.0344300500149914	0.0095227399780022	0.109449628590481
LUAD	FBXW9	cg21564527	-0.0984075363062473	475	-2.13926407098243	0.0329310429085627	0.00968404320186538	0.105782374763759
LUAD	FBXW9	cg22303873	-0.0616366428229044	475	-1.33594454893075	0.182216655855742	0.0037990757384783	0.359872112862189
LUAD	FKBP1A	cg04613791	-0.0106114757912255	540	-0.244998736718804	0.806551705170625	0.000112603418467765	0.895130504838216
LUAD	FKBP1A	cg07516946	-0.00842141165734202	475	-0.182189449822338	0.855512940455333	7.09201743024161e-05	0.923152740724363
LUAD	FKBP1A	cg10996143	-0.0478728337252853	540	-1.10649885999713	0.269009803082421	0.00229180820888881	0.464917881967295
LUAD	FKBP1A	cg21332426	-0.0251220399869401	475	-0.543644398560722	0.586945067271477	0.000631116893105416	0.750888923733613
LUAD	FKBP1A	cg21775445	-0.0473444415791083	475	-1.02536669276851	0.305719884973514	0.0022414961484376	0.504276079376408
LUAD	FKBP1A	cg24641773	-0.25391157040103	475	-5.67906462362293	2.38113194697691e-08	0.0644710855835174	6.02399280270314e-07
LUAD	FKBP1A	cg26779912	-0.00687952249050252	475	-0.148830348491653	0.881751610736868	4.73278296973299e-05	0.937230797055076
LUAD	FKBP2	cg03764062	-0.130217869067952	475	-2.84123519291553	0.0046900210825816	0.0169566934245982	0.0235649099075343
LUAD	FKBP2	cg04446112	-0.122176968085446	475	-2.66304257031522	0.00801064196185311	0.014927211530552	0.0359782853634548
LUAD	FKBP2	cg06615912	-0.100245254732652	475	-2.17961568904537	0.0297837483720883	0.0100491110964143	0.0981570396466103
LUAD	FKBP2	cg09854726	-0.108481970580093	475	-2.36075604280836	0.0186468382036554	0.0117683379409403	0.0689847884351898

LUAD	FKBP2	cg10998122	-0.104276777379979	475	-2.26821720860784	0.0237708141315425	0.0108736463007537	0.0830031291597116
LUAD	FKBP2	cg12423493	-0.107117919883826	475	-2.33072515517512	0.0201918347377578	0.0114742487602377	0.0733643263551039
LUAD	FKBP2	cg15010817	-0.0836538998816738	475	-1.81607613626463	0.0699983900420378	0.00699797496541311	0.184389162408505
LUAD	FKBP2	cg16977872	-0.0873264943400068	540	-2.0238201875603	0.0434870478247922	0.00762591661371524	0.130211741178046
LUAD	FKBP2	cg19924313	-0.0559540105775755	475	-1.21236968765877	0.225982568066532	0.00313085129971543	0.415414171348545
LUAD	FKBP2	cg21809711	-0.0802102919896596	475	-1.74082291804261	0.0823718206993735	0.00643369094106645	0.207272396800591
LUAD	FKBP2	cg22074794	-0.0842146905642933	475	-1.82833723418313	0.0681353143662338	0.00709211410683966	0.180787838801009
LUAD	FKBP2	cg24677501	-0.0688948757683909	475	-1.49397383681234	0.13585635160438	0.00474650390714202	0.294962714317521
LUAD	FKBP5	cg00130530	-0.074816271100797	475	-1.62307233766395	0.105247305633801	0.00559747442142796	0.247076132973502
LUAD	FKBP5	cg00140191	-0.0312450480142969	475	-0.676263919273079	0.499207159645394	0.000976253025415717	0.683443707256811
LUAD	FKBP5	cg00610228	0.0742707873660815	475	1.61117267269533	0.107816275742474	0.00551614985597769	0.251415106115224
LUAD	FKBP5	cg01294490	-0.0396624874431521	475	-0.858706480094896	0.390942063310128	0.0015731129101782	0.588203586004009
LUAD	FKBP5	cg07485685	0.0355641623814111	475	0.769857481839368	0.441772842559302	0.00126480964589137	0.634293243402945
LUAD	FKBP5	cg07843056	-0.0467790453784616	475	-1.01309455426177	0.311538473582978	0.00218827908652017	0.510399798119665
LUAD	FKBP5	cg08636224	0.0665291598637138	540	1.53935539720227	0.124310991227404	0.00442612911217159	0.277358225587078
LUAD	FKBP5	cg08915438	-0.0383367445546407	475	-0.829960712727247	0.406984151161106	0.00146970598304777	0.603168639489191
LUAD	FKBP5	cg10913456	-0.0102076773941742	475	-0.22083733104637	0.825315406153113	0.000104196677783535	0.906140522281776
LUAD	FKBP5	cg16012111	-0.0169261596403498	475	-0.366221282899039	0.714365456600112	0.000286494880170606	0.837488963186189
LUAD	FKBP5	cg17030679	-0.0167873080310443	474	-0.362827923562754	0.716897587787161	0.000281813710929164	0.839143722548779
LUAD	FKBP5	cg20813374	-0.122740867178851	475	-2.67552121658229	0.00772284754218593	0.0150653204758163	0.034978359814413
LUAD	FKBP5	cg25114611	-0.0415577242453133	475	-0.899808374245671	0.368684991820885	0.0017270444444495	0.567505981969911
LUAD	FMR1	cg02921434	-0.0751740486131448	475	-1.6308780079514	0.103588805254338	0.00565113758489146	0.244221823679607
LUAD	FMR1	cg03513471	-0.058898621540034	475	-1.27638784860473	0.202451472541208	0.00346904761931616	0.386074174017521
LUAD	FMR1	cg04552106	-0.0700379224298684	475	-1.51888179642838	0.129467491969698	0.00490531057829226	0.285303833655292
LUAD	FMR1	cg04744025	-0.101184174848029	475	-2.20024065458027	0.0282777506687138	0.0102382372396765	0.0945029356268546
LUAD	FMR1	cg05288927	-0.122981828636405	475	-2.68085430690668	0.00760271172390269	0.0151245301747541	0.0345611731344174
LUAD	FMR1	cg07147350	-0.134797547030548	540	-3.14070776695432	0.00177891604348941	0.0181703786854527	0.0108075153961968
LUAD	FMR1	cg08434396	-0.112579731432168	540	-2.61573394885463	0.0091559414519752	0.0126741959293391	0.0398476816399977
LUAD	FMR1	cg14470409	-0.11969012777231	475	-2.60804179251032	0.00939726039798936	0.0143257266861518	0.0405958726899814
LUAD	FMR1	cg16783314	-0.0586142907799866	475	-1.27020484280208	0.204642805370505	0.00343563508364082	0.388775852914431
LUAD	FMR1	cg22625568	-0.169616693478177	467	-3.69136019364531	0.000249797268805369	0.0287698227064699	0.00209089868468311
LUAD	FXR2	cg01807919	-0.0778857548091861	475	-1.69006040767265	0.0916823201774444	0.00606619080219666	0.223801638453799
LUAD	FXR2	cg01933235	-0.106790749974531	475	-2.32352418141681	0.0205785524143975	0.0114042642801227	0.0744425903987742
LUAD	FXR2	cg05529097	-0.0805210017485442	540	-1.86502758834508	0.0627268295526043	0.00648363172258905	0.170086126811269
LUAD	FXR2	cg05913233	-0.146049242505747	475	-3.19377400758198	0.00149898061717991	0.0213303812365025	0.00939583419006474
LUAD	FXR2	cg09625173	-0.192569233293173	475	-4.24536837485204	2.63298862292428e-05	0.0370829096111203	0.000304219095398443
LUAD	FXR2	cg17777561	-0.105324337889125	475	-2.29125795674132	0.0223919920986089	0.0110932161517826	0.0792485616359211
LUAD	FXR2	cg19178740	0.0136639224493452	475	0.295623436236891	0.767648790408639	0.00018670277670172	0.871242851322503
LUAD	FXR2	cg22521096	-0.207388397176606	475	-4.58620717951648	5.80192129565562e-06	0.0430099472834817	8.11934997794987e-05
LUAD	FXR2	cg26904212	-0.00600337168336408	540	-0.138601095569392	0.889817726528823	3.60404715686176e-05	0.941561494900599
LUAD	G2E3	cg02259031	0.0127147562026145	475	0.275084469328908	0.783372744898063	0.000161665025291925	0.880475637838863
LUAD	G2E3	cg05076167	-0.134970624022463	475	-2.946825665904	0.00337082265104443	0.018217069349013	0.0180835650862251
LUAD	G2E3	cg07906495	-0.0163135842400438	540	-0.376678465168853	0.706562475362147	0.000266133030757005	0.832696882416647
LUAD	G2E3	cg08810065	-0.0468641588868156	540	-1.08313319323705	0.279239046026407	0.0021962493881687	0.476279814658591
LUAD	G2E3	cg09837748	-0.0624805683188242	475	-1.35430742890886	0.176291836949711	0.00390382141744326	0.352203335361384
LUAD	G2E3	cg18580322	0.0202546280225797	475	0.438264507624879	0.661396773770053	0.00041024995633307	0.803019955343315
LUAD	G2E3	cg18755078	0.0226753694702882	475	0.490669404438329	0.623890268056427	0.000514172380614078	0.777221834237663
LUAD	G2E3	cg18956956	-0.0974622156948786	475	-2.11851587241995	0.0346577111632956	0.00949888348815505	0.110024973770146
LUAD	G2E3	cg19554565	0.0286012185226055	475	0.618992188339158	0.536222685740942	0.000818029700977831	0.712405560832224
LUAD	G2E3	cg21061067	-0.128392215537718	475	-2.8007286161302	0.00530982794692517	0.0164845610106838	0.0260203310427148
LUAD	G2E3	cg22926526	-0.0525033518666683	475	-1.13738991121086	0.25595730595723	0.00275660195723518	0.450201059477645
LUAD	GADD45	cg01810953	-0.0132091849606091	475	-0.285783295284562	0.775170550076039	0.000174482567323581	0.875449933548413
LUAD	GADD45	cg02639608	-0.0526863662422347	475	-1.14136560255635	0.254301486468561	0.00277585318781089	0.448428341666971
LUAD	GADD45	cg04718306	-0.0646655254783855	540	-1.49605082802	0.135232275085191	0.00418163018539572	0.294042696852182
LUAD	GADD45	cg07000785	-0.0792435304570207	540	-1.83525030112187	0.0670256430044631	0.00627953711929276	0.178620612948646
LUAD	GADD45	cg22224769	-0.059398434625868	475	-1.28725745102912	0.19864082343599	0.00352817403600351	0.381321757393693
LUAD	GADD45	cg23369529	-0.20664496655255	475	-4.56903215259751	6.2760367747154e-06	0.0427021422015044	8.68750898313541e-05

LUAD	GADD45	cg23723105	-0.0809832598158698	475	-1.75770903694085	0.0794507608987462	0.00655828837040468	0.202026295788621
LUAD	GATAD2A	cg02887458	-0.043375308839689	475	-0.939235363520803	0.348094406022615	0.0018814174169384	0.547322060373571
LUAD	GATAD2A	cg08505228	0.0837654383459698	475	1.81851466855031	0.0696245498378275	0.00701664866129246	0.183633953519915
LUAD	GATAD2A	cg08870822	0.0571360997533617	475	1.2380653291437	0.216312544426365	0.0032645338950261	0.403565750342381
LUAD	GATAD2A	cg09334331	0.101186047535631	474	2.19792981175118	0.0284441928316758	0.010238616215883	0.0948839045129877
LUAD	GATAD2A	cg11795262	-0.114616297527856	540	-2.66367677206818	0.00796306243870343	0.013136895658994	0.0358096644979552
LUAD	GATAD2A	cg14948912	-0.001760973491012	475	-0.0380957403674771	0.969627592135858	3.10102763604698e-06	0.984061878304425
LUAD	GATAD2A	cg15264323	0.0392296736666276	475	0.849321390107476	0.396136722885708	0.00153896729599009	0.592806775419271
LUAD	GATAD2A	cg22191731	0.000133091584414322	475	0.00287921121713176	0.997703951851524	1.77133698419146e-08	0.998872388843899
LUAD	GATAD2A	cg26631329	0.020265727854961	475	0.438504781638145	0.661222752358246	0.000410699725491341	0.80288385460694
LUAD	GATAD2E	cg02134200	0.23162699298207	475	5.1509394717473	3.82647660775273e-07	0.053651063877916	7.24451012955745e-06
LUAD	GATAD2E	cg02940454	0.0427120829851947	475	0.924847626766678	0.355521794394703	0.00182432203293416	0.554335527491662
LUAD	GATAD2E	cg09805553	0.13574038432344	475	2.96394647541809	0.00319212964563391	0.0184254519362752	0.0173268583346668
LUAD	GATAD2E	cg10226922	-0.0212447470097021	475	-0.459697899633045	0.645946548659217	0.000451339275506248	0.7923863602251
LUAD	GATAD2E	cg10489353	0.103464208590636	475	2.25035028631746	0.0248903247237611	0.0107048424592867	0.0859134759765848
LUAD	GATAD2E	cg15064304	-0.0844862956709888	475	-1.83427622209377	0.0672476984751442	0.00713793415620573	0.179000669040528
LUAD	GATAD2E	cg20773694	0.0438360433637502	474	0.948216393441201	0.343509711130225	0.00192159869778859	0.542907530528315
LUAD	GATAD2E	cg23046518	0.105463994476631	475	2.2943302382881	0.0222135137839428	0.0111226541309669	0.07877099513666
LUAD	GATAD2E	cg23323627	0.114400238801195	475	2.49121100609342	0.0130762351561763	0.0130874146377705	0.0525603305642028
LUAD	GATAD2E	cg26398333	0.129531229186145	475	2.82599698718375	0.00491503375513792	0.0167783393344735	0.0244452202681587
LUAD	GLYR1	cg00636946	-0.225520322778719	474	-5.00240503625967	8.02992765832195e-07	0.0508594159862178	1.40757141111198e-05
LUAD	GLYR1	cg00885266	-0.0258813258503781	475	-0.560086300958648	0.575688560900415	0.000669843027773451	0.742471126953147
LUAD	GLYR1	cg01261535	-0.00144669483290937	540	-0.0333995787475621	0.973368449146035	2.09292593956667e-06	0.986017828179418
LUAD	GLYR1	cg01565912	0.108454705859437	475	2.3601556522097	0.0186766801378502	0.011762423223057	0.0690533593949061
LUAD	GLYR1	cg02454264	0.119695727477797	475	2.60816558332573	0.00939391217364451	0.014327067176439	0.040585916007803
LUAD	GLYR1	cg06399529	-0.0257546875364792	475	-0.557343953857625	0.577558911206509	0.000663303930101677	0.744056866465723
LUAD	GLYR1	cg06976003	-0.0901343130210797	475	-1.95787261151437	0.0508387414148025	0.00812419438378198	0.146057650107953
LUAD	GLYR1	cg11289281	0.037525261922562	475	0.812367703291201	0.416993698426854	0.00140814528235688	0.612507227359591
LUAD	GLYR1	cg15663121	0.0973706435804069	540	2.25870882674805	0.0243048437022496	0.00948104223126263	0.0843943497131228
LUAD	GLYR1	cg18354686	0.0259841525361218	475	0.562313028145818	0.57417199081707	0.000675176183020444	0.741424779709904
LUAD	GTF2B	cg02705666	-0.153159122546953	540	-3.57816981604611	0.000377559091820887	0.0234577168193525	0.00296355887288004
LUAD	GTF2B	cg04270788	-0.0766248830683361	540	-1.77423907313455	0.0765944037536101	0.00587137270523618	0.196892490165488
LUAD	GTF2B	cg05306856	-0.136977202880446	475	-2.99146694013486	0.00292296542043932	0.018762754108951	0.0161268916253657
LUAD	GTF2B	cg06356032	0.0119776826141601	475	0.259135482046793	0.795644650658906	0.000143464880805553	0.888167311714148
LUAD	GTF2B	cg07167781	-0.0239127287689806	475	-0.517459385882683	0.605080001967755	0.000571818597178832	0.763827740111763
LUAD	GTF2B	cg10430205	-0.103525051935028	475	-2.25168796352035	0.0248049496670074	0.0107174363781503	0.0856978514255497
LUAD	GTF2B	cg12074130	-0.105129063899072	475	-2.28696238721511	0.0226436312921815	0.0110521200762951	0.0799621627125927
LUAD	GTF2B	cg13868361	-0.136784454968188	475	-2.98717716969389	0.00296350625691374	0.0187099871209444	0.0163039122353063
LUAD	GTF2B	cg14010405	-0.126720957654691	475	-2.76367307664473	0.0059408614468961	0.016058201108922	0.0284548316340251
LUAD	GTF2B	cg17811845	-0.0717138150195727	475	-1.5554118203272	0.120523975760642	0.0051428712646615	0.271507465281981
LUAD	GTF2B	cg22607980	-0.0312100296595529	475	-0.675505246962475	0.499688443867777	0.000974065951350172	0.68380176615272
LUAD	GTF2H1	cg05849260	-0.0102629445709588	475	-0.222033130791213	0.824384948089871	0.000105328031266574	0.905617412049585
LUAD	GTF2H1	cg07583091	-0.0406097270478436	475	-0.879248023988174	0.379718033283852	0.00164914993090036	0.578209469022205
LUAD	GTF2H1	cg08690812	-0.0221300010547461	475	-0.478862393837022	0.632260176863784	0.000489736946683063	0.783217328008618
LUAD	GTF2H1	cg10797557	-0.0188373051255039	475	-0.407585538200115	0.683764360006114	0.000354844064391334	0.817784066758639
LUAD	GTF2H1	cg11063328	-0.0230494081364914	475	-0.4987674464246	0.618177566076356	0.000531275215442554	0.773296010152021
LUAD	GTF2H1	cg11176342	0.0181501720062729	475	0.392712945757047	0.694710312426956	0.000329428743857292	0.824996465122758
LUAD	GTF2H1	cg11347316	0.0216475519021033	475	0.468417917272229	0.639703846623173	0.000468616503354258	0.788320888420402
LUAD	GTF2H1	cg11662851	0.0263095512940621	475	0.569359704718305	0.569385217554253	0.000692192489294885	0.737637002032519
LUAD	GTF2H1	cg13777411	-0.049486371050894	540	-1.14388307967178	0.253185593395321	0.00244890091978675	0.447216748844185
LUAD	GTF2H1	cg14132868	0.0789824928630438	475	1.71400711999208	0.0871895463211218	0.00623823417886077	0.215910347493406
LUAD	GTF2H1	cg17174493	0.0546177161441484	475	1.18332816500598	0.237279852852993	0.00298309491680276	0.428699634744896
LUAD	GTF2H1	cg18321761	0.0952054627459062	475	2.06900723441232	0.0390938538365877	0.00906408013666213	0.120431919588306
LUAD	H2AFZ	cg02758870	0.0348861126732409	475	0.7551616794811	0.450531843301893	0.00121704085745006	0.641311519729548
LUAD	H2AFZ	cg09308803	-0.0646671135573215	475	-1.40189788676051	0.161608622397936	0.00418183557583552	0.331957014724487
LUAD	H2AFZ	cg16267491	-0.156282271511279	540	-3.65294218404921	0.000284868807640608	0.0244241483887252	0.00234062991356078
LUAD	H2AFZ	cg17709884	-0.116887322240749	540	-2.7171791516719	0.00679819948125414	0.0136626461006127	0.0316579667437478

LUAD	H2AFZ	cg20934652	-0.0448062351379349	475	-0.970281526796867	0.332407367154288	0.00200759870723591	0.532139082629914
LUAD	H2AFZ	cg23752380	0.026924641576075	475	0.582680296003166	0.56038916854728	0.000724936324000105	0.731078046284099
LUAD	H2AFZ	cg24061702	0.0352800187705754	475	0.763698928330734	0.445431506671996	0.00124467972445215	0.637388408231318
LUAD	H3F3A	cg06319713	-0.226590221548977	475	-5.03279814578101	6.90603415244344e-07	0.0513431285016145	1.23109079022728e-05
LUAD	H3F3A	cg10632229	0.0277983659578226	474	0.600960010015185	0.548158185506639	0.000772749149925032	0.721354728925959
LUAD	H3F3A	cg10983539	-0.078281916630734	475	-1.69870968075045	0.0900385173554006	0.00612805847138119	0.220856264201357
LUAD	H3F3A	cg11978873	0.0386951631242347	475	0.837731777937159	0.402608974619512	0.00149731564921113	0.599149929632718
LUAD	H3F3A	cg15538837	-0.136695340888065	540	-3.18576131703746	0.00152824526691823	0.0186856162205043	0.0095454285262655
LUAD	H3F3A	cg15624314	0.107490212046339	475	2.33892019656133	0.0197594849472192	0.0115541456857669	0.072152808098504
LUAD	H3F3A	cg16724613	-0.0925014120546076	475	-2.00972810746811	0.045033450483329	0.0085565112320963	0.133648657036589
LUAD	H3F3A	cg16727519	0.0201682167244533	475	0.436393999384749	0.662752139495819	0.000406756965844518	0.80389647267199
LUAD	H3F3A	cg18947521	-0.131534280439739	540	-3.06331995341245	0.00229959526256746	0.0173012669307999	0.0133120836284693
LUAD	H3F3A	cg19410789	-0.0313054512897927	475	-0.677572561501519	0.498377568106282	0.000980031280457586	0.682684401275468
LUAD	H3F3A	cg21266749	-0.0738541730717711	475	-1.60208525980845	0.109811462890286	0.00545443888011513	0.254635574208262
LUAD	H3F3A	cg21789564	-0.0416358817049017	475	-0.901503576509331	0.367784333117247	0.00173354664534457	0.56669732234438
LUAD	H3F3A	cg22519151	-0.0477038169256422	475	-1.03316758337099	0.302059072245047	0.00227565414927519	0.500446790961907
LUAD	H3F3A	cg27530209	-0.0292241951046864	475	-0.632486149826947	0.527378138905161	0.000854053579516774	0.706006996411403
LUAD	H3F3A	cg27560444	-0.139625984395461	466	-3.02755398857584	0.00260359659653493	0.0194954155184014	0.0146930862263938
LUAD	HAT1	cg00414306	0.0437975852960221	475	0.948396694565758	0.343416999601179	0.00191822847776233	0.542783057029137
LUAD	HAT1	cg01583365	0.112384887168441	475	2.44675765895051	0.0147816248147124	0.0126303628638632	0.0577298921048113
LUAD	HAT1	cg04507121	-0.146717309753781	475	-3.20870380791695	0.0014248839356742	0.0215259689813869	0.00901125281618068
LUAD	HAT1	cg04950839	-0.0513300368428135	475	-1.11190425245603	0.266750175355349	0.00263477268228459	0.462481906431782
LUAD	HAT1	cg05421799	-0.184574807013776	475	-4.06276816723677	5.68618386025681e-05	0.0340678593841725	0.000593441088308047
LUAD	HAT1	cg09545452	-0.0131527131656785	475	-0.284561305126346	0.77610612901537	0.000172993863618612	0.876086833255292
LUAD	HAT1	cg10190161	0.0218664229520893	475	0.473156186069705	0.63632236204242	0.000478140452719659	0.785946618708371
LUAD	HAT1	cg12941622	0.0216445549903658	475	0.468353038565408	0.639750199939123	0.000468486760730967	0.788349684209623
LUAD	HAT1	cg13293756	-0.0356244209402268	475	-0.771163555096514	0.440999156760199	0.00126909936732647	0.633556572502362
LUAD	HAT1	cg14446129	-0.0380049244926688	475	-0.822766630066341	0.411059734890181	0.00144437428569346	0.606917215009959
LUAD	HAT1	cg16017358	0.00496491105537673	540	0.114625285398362	0.908785303392108	2.46503417878021e-05	0.951546381192522
LUAD	HAT1	cg24611092	-0.338635594522944	65	-2.85661220310237	0.00579385547002692	0.114674065877907	0.0279036211499581
LUAD	HDAC1	cg03762702	-0.0259450771828462	475	-0.561466843453477	0.574748083160828	0.000673147030023847	0.7418523655988
LUAD	HDAC1	cg04967775	-0.0335794168211516	475	-0.726843756711011	0.467685073777134	0.00112757723404864	0.656710816025023
LUAD	HDAC1	cg06473843	-0.0537432977271554	475	-1.16432799870171	0.24488430605591	0.00288834205058967	0.437811409485823
LUAD	HDAC1	cg10842753	0.0181660071811385	475	0.393055682461463	0.694457333604396	0.000330003816905175	0.824870874276947
LUAD	HDAC1	cg14172124	0.0103294280443507	475	0.223471616963669	0.8232659825139	0.000106697083723418	0.904890210505823
LUAD	HDAC1	cg20002354	-0.154104624600453	475	-3.3740979224105	0.000802135259558213	0.0237482353232466	0.00557951630740983
LUAD	HDAC1	cg20793809	0.0117682999187007	475	0.254604883784139	0.799140122420142	0.000138492882976491	0.890293526809098
LUAD	HDAC1	cg21930229	0.154408162477514	475	3.38090599701756	0.000782987942483077	0.0238418806396824	0.00546980639345622
LUAD	HDAC1	cg23018091	-0.132687815840971	475	-2.89608386225917	0.00395542118258651	0.0176060564726476	0.0205867711099624
LUAD	HDAC1	cg26115470	-0.0775379206791955	475	-1.68246692169641	0.0931453361862598	0.00601212914325322	0.226364321116925
LUAD	HDAC10	cg00711351	-0.0401356165175287	475	-0.868966316936548	0.385310966862099	0.00161086771324212	0.583393709796043
LUAD	HDAC10	cg01120165	-0.0147549254830345	540	-0.340680993312037	0.733477986590695	0.000217707826009901	0.849577691419927
LUAD	HDAC10	cg04321608	-0.0215799594900933	475	-0.466954644585656	0.640749640797337	0.000465694651594067	0.788916507108444
LUAD	HDAC10	cg04586023	-0.133996400877117	540	-3.12169918773596	0.00189562983543958	0.0179550354480211	0.0113884182113049
LUAD	HDAC10	cg07482373	-0.0955601880921268	475	-2.07678704495301	0.0383662535295786	0.00913174954820265	0.118680280480426
LUAD	HDAC10	cg07744063	-0.163343960791758	475	-3.58177634394948	0.000376985361878594	0.0266812495271393	0.00295995147779404
LUAD	HDAC10	cg09151829	-0.10658858880785	475	-2.31907501812221	0.0208207131443032	0.011361127264049	0.0750917237034528
LUAD	HDAC10	cg10508940	-0.0602095576050628	475	-1.30489928528697	0.19256839201372	0.00362519082699737	0.373275496183075
LUAD	HDAC10	cg11645658	0.0501795461557312	475	1.08691884605043	0.277632157883409	0.00251798685239516	0.474412777102797
LUAD	HDAC10	cg12464820	-0.111420985508767	475	-2.4255073747825	0.0156642290276373	0.0124146360117448	0.0603318661736812
LUAD	HDAC10	cg26943378	0.0223740225086973	475	0.484145308346635	0.628509225179309	0.000500596883219694	0.780627089193184
LUAD	HDAC11	cg01409735	-0.132135846072078	475	-2.88382186517603	0.00410989816555876	0.017459881817184	0.0211991392316323
LUAD	HDAC11	cg01712016	-0.0205717845730722	540	-0.475037055246132	0.634955154054333	0.000423198320520893	0.784955842462859
LUAD	HDAC11	cg02762546	-0.413398525796432	475	-9.82172925128423	7.9444620582632e-21	0.170898341130663	1.12574040320679e-18
LUAD	HDAC11	cg02941903	-0.0748215894128092	475	-1.62318836322361	0.105222499375475	0.005598270242259	0.247040263057663
LUAD	HDAC11	cg05987698	-0.140661402197535	475	-3.07352915028324	0.00223895525138966	0.0197856300681768	0.0130128714849912
LUAD	HDAC11	cg07450135	-0.0823074714841214	475	-1.78664496807794	0.0746420524000616	0.00677451986210946	0.19316494574444

LUAD	HDAC11	cg08051076	-0.0724463415131691	475	-1.5713830996878	0.116769488328047	0.00524847239864273	0.265755545162497
LUAD	HDAC11	cg08448040	0.0343868818260196	540	0.794352597487515	0.42734372438079	0.00118245764171664	0.621684793531928
LUAD	HDAC11	cg10061496	-0.169086669572092	65	-1.36169056201284	0.178145371752042	0.0285903018269818	0.354728877720877
LUAD	HDAC11	cg10455785	-0.0414717093468455	475	-0.897942766578264	0.369677776443913	0.00171990267614923	0.568389068190026
LUAD	HDAC11	cg11432034	-0.130478352451949	475	-2.84701703824387	0.00460712207901454	0.0170246004585749	0.0232173644500134
LUAD	HDAC11	cg13397067	-0.0498091522184875	475	-1.07887586439974	0.281198796339098	0.00248095164472446	0.478426628519023
LUAD	HDAC11	cg13706066	-0.066585770222999	475	-1.44367439193948	0.149499638397331	0.00443366479619002	0.314978872209738
LUAD	HDAC11	cg16254764	-0.0735064999969244	540	-1.70163269428478	0.0894074164044733	0.00540320554179785	0.219828083178559
LUAD	HDAC11	cg18521047	-0.0397245192147715	475	-0.860051610271324	0.3902009474355	0.00157803742684475	0.587609794890859
LUAD	HDAC11	cg19779799	-0.239881989023824	475	-5.34551903600789	1.41171085856459e-07	0.0575433686580262	2.96657575719e-06
LUAD	HDAC11	cg20894727	-0.056595189990428	475	-1.22630667154341	0.220699938118899	0.00320301553005265	0.408932558452388
LUAD	HDAC11	cg20922324	-0.0473507440175799	475	-1.02550349512518	0.305655432975324	0.00224209295901838	0.504201839543732
LUAD	HDAC11	cg21655280	-0.103403926221426	475	-2.24902496767198	0.0249751626608898	0.0106923719580062	0.0861375156961011
LUAD	HDAC11	cg25127083	-0.0492267103474305	475	-1.06622923340374	0.286869765914028	0.00242326901162982	0.48425883790854
LUAD	HDAC11	cg25150878	-0.133143892100091	475	-2.90621765587015	0.00383176801458494	0.0177272960035608	0.0200638460608885
LUAD	HDAC11	cg27025856	-0.11195682186185	540	-2.60107672587615	0.0095512938053869	0.012534329961406	0.0410878870988868
LUAD	HDAC2	cg00161229	-0.0313497100193601	475	-0.678531435451649	0.49777017348319	0.000982804318297964	0.682136641698691
LUAD	HDAC2	cg01129566	0.0127490542748303	475	0.27582663052791	0.782802979299773	0.000162538384902568	0.880070740673544
LUAD	HDAC2	cg08198132	-0.0372970810118059	475	-0.807421014002528	0.419834134326158	0.00139107225200121	0.615181040963047
LUAD	HDAC2	cg10999867	0.0338272929253692	475	0.732215286586344	0.464403697558044	0.00114428574665874	0.653625119820355
LUAD	HDAC2	cg13393754	-0.076852700273215	475	-1.66750983984109	0.0960820248698923	0.00590633753928462	0.231430026701378
LUAD	HDAC2	cg15005908	-0.0680140120340774	475	-1.47478310492916	0.140943245740976	0.00462590583297162	0.302762359772842
LUAD	HDAC2	cg15242771	-0.0154106078334544	475	-0.333422014397683	0.738965076075901	0.000237486833796525	0.853018352990141
LUAD	HDAC2	cg18387216	0.012085048316978	540	0.279025382351863	0.780333574484527	0.000146048392823694	0.87866590570648
LUAD	HDAC2	cg18674783	0.0958602012615328	475	2.08336753512565	0.0377598644140332	0.00918917818590157	0.117360440494292
LUAD	HDAC2	cg22867643	-0.0684798508481048	475	-1.48493155879017	0.138235187631673	0.00468948997217868	0.298619021065711
LUAD	HDAC2	cg24023618	0.0244322866823924	475	0.528709000903116	0.597257974878884	0.000596936632530607	0.758160154326218
LUAD	HDAC3	cg01947930	-0.0328056725351524	475	-0.710077406535491	0.47800979336103	0.00107621215048365	0.665621813677627
LUAD	HDAC3	cg01961137	0.0963424508908161	475	2.09394640228624	0.0368021745486355	0.00928186784364931	0.115140559743506
LUAD	HDAC3	cg04284814	-0.150657299903465	540	-3.51835215691763	0.000471334357166744	0.0226976220142027	0.00356891035443154
LUAD	HDAC3	cg08520975	0.00846560354731977	475	0.183145568819026	0.854763116810067	7.1666443420393e-05	0.922575503918838
LUAD	HDAC3	cg10414058	0.188735752658222	540	4.43704620273662	1.10865691176965e-05	0.0356211843314655	0.000143410136006332
LUAD	HDAC3	cg11064797	-0.151541853590963	540	-3.53949353942236	0.000435946673979858	0.0229649333897848	0.0033373866911918
LUAD	HDAC3	cg11153694	0.24094172676806	475	5.37058620479473	1.23877806996957e-07	0.0580529156979744	2.63881438048228e-06
LUAD	HDAC3	cg12082871	0.101745151012043	475	2.21256627411353	0.027409548644837	0.0103520757544635	0.0923032954104346
LUAD	HDAC3	cg14098966	-0.00755915415266644	475	-0.163534179684066	0.870168459678877	5.71408115037743e-05	0.931127290577277
LUAD	HDAC3	cg17940889	0.152681721404136	475	3.34219652601791	0.000897802795828718	0.0233117080509301	0.00614064275529271
LUAD	HDAC3	cg18671773	-0.0267072915059947	475	-0.577973218692615	0.563560185506793	0.000713279419586176	0.733431495438227
LUAD	HDAC3	cg19549288	0.264021174992539	475	5.92177431140246	6.17143998450473e-09	0.0697071808444407	1.75676485025283e-07
LUAD	HDAC3	cg20642138	-0.0803706019492577	475	-1.74432476033046	0.0817589776524601	0.00645943365768603	0.206180609177916
LUAD	HDAC3	cg23421926	0.0501479850020141	475	1.08623348857645	0.27793486772389	0.00251482039976223	0.474784038201851
LUAD	HDAC3	cg24385322	0.0795932114671641	540	1.84340029900181	0.0658255641798682	0.00633507931165671	0.176161338188746
LUAD	HDAC6	cg07153944	0.0500756533635915	475	1.08466280325997	0.278629460725331	0.00250757105979058	0.475561543254
LUAD	HDAC6	cg07674520	-0.0170365691563228	461	-0.363055568191866	0.716732346949987	0.00029024468861817	0.839016227324145
LUAD	HDAC6	cg10783042	-0.0467041723824778	540	-1.07942745817787	0.280885431746356	0.0021812797179322	0.47805030250664
LUAD	HDAC6	cg12510923	0.0227578589972954	466	0.487697174100806	0.625997212108626	0.000517920146140778	0.778748308144309
LUAD	HDAC6	cg13178935	0.0504048414183706	475	1.09181127774536	0.275477804205386	0.00254064803841109	0.471913157323038
LUAD	HDAC6	cg17152375	0.0466129576335915	472	1.00624899696999	0.314819134008137	0.002172767819351	0.513902253835302
LUAD	HDAC6	cg24616736	-0.0263990610269258	540	-0.609682134964048	0.542332205076582	0.00069691042310335	0.7169917860349
LUAD	HDAC6	cg26680189	0.0812403408187795	475	1.76332588909576	0.0784980593687283	0.00659999297635145	0.200179572232703
LUAD	HDAC9	cg00332048	-0.220516286808807	475	-4.89089439172953	1.38256563886023e-06	0.0486274327479441	2.27630288485699e-05
LUAD	HDAC9	cg02301805	-0.108790901543446	475	-2.36755932260844	0.0183115995763246	0.0118354602586358	0.0680227570165502
LUAD	HDAC9	cg03260621	0.0156534736886941	475	0.338677908018011	0.735004280669051	0.000245031238522638	0.850598360809976
LUAD	HDAC9	cg07513622	-0.0926608899787601	475	-2.01322297928744	0.044663228890737	0.00858604053165588	0.132864182185232
LUAD	HDAC9	cg08146609	-0.0704106691425776	475	-1.52700555965708	0.127435157335648	0.00495766232910553	0.282248338166762
LUAD	HDAC9	cg08285151	-0.102815653751881	540	-2.38633021973909	0.0173654275554361	0.0105710586564267	0.0653126122243085
LUAD	HDAC9	cg08725366	0.127052336899807	475	2.77101858645364	0.00581063069149496	0.0161422963117021	0.0279636377367249

LUAD	HDAC9	cg10068437	-0.127230233432663	475	-2.77496231439581	0.00574178155860712	0.01618753229933	0.0276905433370704
LUAD	HDAC9	cg11321459	-0.0368755783306489	475	-0.798283671910286	0.425110778912298	0.00135980827721982	0.620015074294317
LUAD	HDAC9	cg11765288	0.0690590080454352	475	1.49755005296891	0.134924321963486	0.00476914659221949	0.293627512877373
LUAD	HDAC9	cg12081743	0.0513217185444796	535	1.18641737390383	0.235986080209167	0.00263391879435879	0.427275080849787
LUAD	HDAC9	cg16475478	0.0730073787383028	475	1.5836171248568	0.11395636267835	0.00533007735023799	0.261292185752167
LUAD	HDAC9	cg18856632	-0.125618875407861	475	-2.73925054761381	0.00639304593475373	0.0157801018587357	0.030141855481711
LUAD	HDAC9	cg19585556	-0.026724830500632	472	-0.576496375840037	0.564558662879453	0.000714216565287512	0.734251886985608
LUAD	HDAC9	cg20648975	-0.0550986490586789	475	-1.1937794780888	0.233168998824178	0.00303586112809146	0.423950570152109
LUAD	HDAC9	cg21433125	0.0438711886234386	475	0.949993578288213	0.342605836210563	0.00192468119123333	0.541809205199312
LUAD	HDAC9	cg23074799	0.0152724236953456	475	0.330431578727363	0.741221755164884	0.000233246925530152	0.854392899923449
LUAD	HDAC9	cg23385718	-0.137936268260955	475	-3.01281692318041	0.00272864542375521	0.0190264141017581	0.0152735819611176
LUAD	HDAC9	cg24350771	0.112182379013455	475	2.44229256311112	0.0149633405518032	0.0125848861611185	0.058269916147919
LUAD	HDAC9	cg25620356	-0.0505230633396633	475	-1.09437860968992	0.274351884893493	0.00255257992922362	0.470828013513817
LUAD	HDGF	cg00692559	0.0781981045751911	475	1.69687977182775	0.0903842939615058	0.00611494355915252	0.221460024076894
LUAD	HDGF	cg00746981	0.0208544724645128	540	0.481567614371326	0.630310791108207	0.000434909021773123	0.781835828937479
LUAD	HDGF	cg01910231	-0.0857920191611746	475	-1.86283328433196	0.0631120136130053	0.00736027055175134	0.170826901882681
LUAD	HDGF	cg02914429	0.0458615906802163	475	0.993182924037401	0.321134040157052	0.0021032854997197	0.520530281034545
LUAD	HDGF	cg04402095	-0.0592278816220891	475	-1.28354826900315	0.199935225313859	0.0035079419614402	0.382874977965966
LUAD	HDGF	cg05762852	0.0952309133748872	475	2.06956538923642	0.0390412642000846	0.00906892686221526	0.120335117179359
LUAD	HDGF	cg05967123	0.104984841083803	475	2.28378999550095	0.0228310528907085	0.0110218168573913	0.0804802632008598
LUAD	HDGF	cg06106793	-0.0153113665148327	540	-0.353531788681221	0.72382959114254	0.000234437944551541	0.843523465704662
LUAD	HDGF	cg06119628	-0.0524159275141972	475	-1.13549079911778	0.256750905807189	0.00274742945717357	0.451056410423298
LUAD	HDGF	cg07313589	-0.00056091153261240	475	-0.0121343736598678	0.990323579106327	3.146217474176e-07	0.994732410190131
LUAD	HDGF	cg07892339	0.17226409099373	475	3.78319785090894	0.000174910611480992	0.029674917045896	0.00155242397142639
LUAD	HDGF	cg08597205	-0.0843569088734798	475	-1.83144696544876	0.0676693492018303	0.00711608807468858	0.17987662652249
LUAD	HDGF	cg08708935	-0.0591851779422999	475	-1.28261956822216	0.200260281341092	0.0035028852880617	0.383229566236566
LUAD	HDGF	cg09063372	0.166646504029165	475	3.65624139261916	0.000284969055511502	0.0277710573051424	0.00234120632637679
LUAD	HDGF	cg09477492	0.0482935356962717	475	1.04596936655856	0.296115098621624	0.00233226559004707	0.494079096871288
LUAD	HDGF	cg11588596	0.103590549487953	475	2.25312799483126	0.0247133265312669	0.0107310019432161	0.0854655934284674
LUAD	HDGF	cg12220178	-0.0831407098322127	475	-1.80485729902827	0.0717396494221192	0.00691237763140419	0.1876815228599
LUAD	HDGF	cg12421458	-0.0354949937967828	540	-0.81998274261729	0.412592743794107	0.00125989458463365	0.608247866414985
LUAD	HDGF	cg13170934	0.0244594382973219	475	0.52929690706272	0.596850466026129	0.000598264121820496	0.757902570132652
LUAD	HDGF	cg13235992	0.107035754747168	475	2.32891663761904	0.0202883554745257	0.0114566527942958	0.0736118803127302
LUAD	HDGF	cg14155849	-0.109555223233939	475	-2.38439420794983	0.0175047015259824	0.0120023469378382	0.0657220439436425
LUAD	HDGF	cg15503799	-0.10212220597891	540	-2.37006523671767	0.018139967062035	0.010428944953999	0.0675496911408717
LUAD	HDGF	cg17170583	-0.0655759362769519	475	-1.42168446355761	0.155783916377426	0.00430020341859886	0.323969578450212
LUAD	HDGF	cg17218029	-0.0510560377920868	475	-1.10595336850828	0.269314890291578	0.00260671899502699	0.465310766564719
LUAD	HDGF	cg17971171	0.0861282322138236	475	1.87018805222069	0.0620817228169415	0.00741807238427831	0.16882530656207
LUAD	HDGF	cg18593717	-0.0763035130271643	475	-1.65552382474565	0.098488639099863	0.00582222610028664	0.235545535850183
LUAD	HDGF	cg19599803	0.00315443005309569	475	0.0682410953227368	0.945622859264158	9.95042895987327e-06	0.970938700936395
LUAD	HDGF	cg20284773	0.163168671090214	475	3.57782743121169	0.000382570094470485	0.0266240152253464	0.00299321207839276
LUAD	HDGF	cg23747104	0.135607099348327	475	2.9608915949739	0.00322244092635022	0.018389285393667	0.0174592602145698
LUAD	HDGF	cg26431298	0.0947956057918033	475	2.06001927166867	0.03994905103563	0.00898620687743497	0.122363826925971
LUAD	HDGFL1	cg02685945	0.0513191310396801	475	1.11166738855334	0.266851935876271	0.00263365321066786	0.462565554035486
LUAD	HDGFL1	cg03930485	0.0256612820232909	475	0.555321278803111	0.578940263389016	0.000658501395078874	0.745058992237651
LUAD	HDGFL1	cg05276066	0.000300051229627933	475	0.00649110085433651	0.994823653172357	9.00307404012347e-08	0.997336416852114
LUAD	HDGFL1	cg06566039	-0.00767872862089072	475	-0.166121196201678	0.868133315304733	5.89628732332864e-05	0.92997291597219
LUAD	HDGFL1	cg08671671	0.0163990576587306	475	0.354813572601105	0.722889092344185	0.000268929092094369	0.842960653093453
LUAD	HDGFL1	cg09081892	0.010087687219183	475	0.218241145666062	0.827336357592458	0.000101761433432068	0.907284687220207
LUAD	HDGFL1	cg11894257	-0.0177064529914336	475	-0.383109205618574	0.701812747309656	0.000313518477537846	0.829224731620497
LUAD	HDGFL1	cg15317945	0.037575063629243	475	0.813447361629901	0.416375263127154	0.00141188540674166	0.611933901719416
LUAD	HDGFL1	cg20209681	-0.0254187425513256	475	-0.550069209761782	0.582534326399769	0.000646112472890571	0.74768085727211
LUAD	HDGFL1	cg21898884	0.0149588233662744	475	0.32364504047439	0.746351359625244	0.000223766396503396	0.857580906160437
LUAD	HIST1H1	cg00667898	-0.170593549268578	475	-3.74540480960754	0.000202558323278047	0.0291021590520508	0.00175496404957037
LUAD	HIST1H1	cg00700007	-0.172752569156207	475	-3.79425514203098	0.000167520639461734	0.0298434501500701	0.00149639460630223
LUAD	HIST1H1	cg03821311	-0.172267732190658	540	-4.03746892497674	6.19583649371218e-05	0.0296761715541121	0.000640530105238333
LUAD	HIST1H1	cg04676561	-0.179979301121906	540	-4.2241230765268	2.82120802573246e-05	0.0323925488323298	0.000323001802003732

LUAD	HIST1H1	cg07138603	-0.174340844495088	475	-3.83022766030623	0.00014546567134813	0.0303947300592604	0.00132603546300303
LUAD	HIST1H1	cg11206041	-0.164527533586589	475	-3.60844892216159	0.00034121959864588	0.0270693093080863	0.00272254743149308
LUAD	HIST1H1	cg14334286	-0.158264827602252	475	-3.46749356573143	0.000573831145879089	0.0250477556559706	0.00421217401042818
LUAD	HIST1H1	cg18798248	-0.17634192011045	475	-3.87559354060268	0.000121550162721573	0.0310964727882403	0.00113898739565912
LUAD	HIST1H1	cg23460835	-0.16348403855257	475	-3.58493225534311	0.000372577187233494	0.0267270308614582	0.00292918339602248
LUAD	HIST1H1	cg00903962	0.0122549079380019	475	0.265134103713772	0.791022895342779	0.000150182768568902	0.885281971490787
LUAD	HIST1H1	cg04290376	-0.0359135098939384	475	-0.777429526793678	0.437298198982609	0.00128978019290201	0.630174368559823
LUAD	HIST1H1	cg07750111	-0.0412076237781506	540	-0.952160630698845	0.341447102712615	0.00169806825744161	0.540636161939779
LUAD	HIST1H1	cg08283682	-0.0489841748727242	475	-1.06096335353462	0.289253765792344	0.00239944938796162	0.486776287798249
LUAD	HIST1H1	cg10717387	-0.0156955560220102	475	-0.339588623692141	0.734318687987174	0.000246350478840062	0.850209674256202
LUAD	HIST1H1	cg12633985	-0.0294814518836739	475	-0.638058665187965	0.52374756516808	0.000869156005169377	0.702980492243374
LUAD	HIST1H1	cg15022984	-0.0747935237866587	475	-1.62257607842066	0.105353458381773	0.00559407120042549	0.247223814212917
LUAD	HIST1H1	cg16481032	4.97230719218099e-05	475	0.00107567451365576	0.999142194430505	2.47238388134148e-09	0.999572216545651
LUAD	HIST1H1	cg16482183	-0.022501122755999	475	-0.48689698481853	0.626559288173282	0.000506300525280536	0.779170248959386
LUAD	HIST1H1	cg17691542	-0.0303550983739584	475	-0.656983934721537	0.511514188081109	0.000921431997292689	0.693627243983151
LUAD	HIST1H1	cg20855557	-0.0090332324442291	475	-0.195428634615368	0.845142219449707	8.16009288382312e-05	0.917254859508782
LUAD	HIST1H1	cg21453677	-0.130191738251603	65	-1.04223552430759	0.301285580804018	0.016949888708974	0.499663499918659
LUAD	HIST1H1	cg23407813	-0.0454306943857357	475	-0.983832001986159	0.325706458823484	0.00206394799237012	0.525140067517391
LUAD	HIST1H3	cg00958605	-0.00900944943242694	475	-0.194912102039536	0.845546345627421	8.1170179075458e-05	0.917488665881937
LUAD	HIST1H3	cg01043409	-0.12607910797377	475	-2.74944820404395	0.00620058646407727	0.0158959414674616	0.0294414320914567
LUAD	HIST1H3	cg08041469	-0.0462606885134976	475	-1.00184428006773	0.316936514319796	0.00214005130174285	0.516156405857356
LUAD	HIST1H3	cg08401836	-0.0423885446611422	475	-0.917829371066857	0.359180959194176	0.00179678871848965	0.558128066865448
LUAD	HIST1H3	cg10075390	-0.202331105143035	475	-4.46953363961444	9.84472457366844e-06	0.0409378761084018	0.000129046867320266
LUAD	HIST1H3	cg15479139	-0.133746549628241	475	-2.91961129823505	0.00367374419047067	0.0178881395374596	0.0193720094593286
LUAD	HIST1H3	cg15797414	-0.0516786013314364	540	-1.19468954113617	0.232739697540285	0.00267067783557354	0.423476833831106
LUAD	HIST1H3	cg21209604	-0.0810753260143147	475	-1.75972051102835	0.0791085067338773	0.00657320848832742	0.20138640573498
LUAD	HIST1H3	cg23099349	-0.0417767801335092	540	-0.965334632011412	0.334815011756917	0.00174529935832357	0.534387866982983
LUAD	HIST1H3	cg25701114	-0.0867781620965882	475	-1.88440730319256	0.0601294005143406	0.00753044941686174	0.164928657485813
LUAD	HLTF	cg00906762	-0.251979286611039	475	-5.63290445333642	3.06224498549046e-08	0.06349335608810079	7.53874324054573e-07
LUAD	HLTF	cg02059813	-0.225689431490714	540	-5.34843858044991	1.31871546206751e-07	0.0509357194866018	2.79227410604464e-06
LUAD	HLTF	cg02398045	-0.0810346876886084	475	-1.75883263410021	0.0792594312127358	0.0065666206087903	0.201638647168435
LUAD	HLTF	cg02611507	-0.433917276105074	475	-10.4190439267011	5.31884373254803e-23	0.188284202502447	9.1340867401731e-21
LUAD	HLTF	cg02710346	-0.26383669330787	475	-5.91732684596605	6.32864789888677e-09	0.0696098007356312	1.79682786367152e-07
LUAD	HLTF	cg03678609	-0.193663872093457	475	-4.27043831685967	2.36364495972876e-05	0.037505695354231	0.000277257834736338
LUAD	HLTF	cg04120413	-0.466175541350621	475	-11.3993526982776	9.85207175517405e-27	0.217319635353545	2.26755050331956e-24
LUAD	HLTF	cg04731810	-0.404469501109626	475	-9.56754570572655	6.31706937066422e-20	0.16359557732787	8.40051443797355e-18
LUAD	HLTF	cg04836786	-0.084202593204443	534	-1.9398843920697	0.0529269044196904	0.0070900767023529	0.150374186568255
LUAD	HLTF	cg05555455	-0.230409603818323	475	-5.12234502514253	4.41892743436663e-07	0.0530885855317164	8.25170525273927e-06
LUAD	HLTF	cg07275648	-0.439855512813169	475	-10.5955492908748	1.17043109655584e-23	0.193472872152136	2.08358161843169e-21
LUAD	HLTF	cg09352720	-0.428677029852714	475	-10.2646764760537	1.9739121557873e-22	0.183763995923345	3.21252138592714e-20
LUAD	HLTF	cg09392355	-0.249812083095116	475	-5.5812178614114	4.05051488018915e-08	0.0624060768603212	9.69556167967491e-07
LUAD	HLTF	cg15438497	-0.170692374084633	475	-3.74763961624391	0.000200815013894941	0.0291358865706482	0.00174238268915269
LUAD	HLTF	cg16724124	-0.0391422670250515	475	-0.847426131645229	0.397190803254178	0.00153211706786044	0.5937902136625
LUAD	HLTF	cg20117402	-0.272085005032668	475	-6.11686836846632	2.01676125406793e-09	0.0740302499636268	6.3008805220466e-08
LUAD	HLTF	cg21089667	-0.239629734244595	540	-5.69830584584147	2.00404697075081e-08	0.0574224095341353	5.1521093867346e-07
LUAD	HLTF	cg21111416	-0.399692021459779	475	-9.43289726175967	1.86755326985067e-19	0.159753712018604	2.36234860284168e-17
LUAD	HLTF	cg21835021	-0.264318657162395	475	-5.92894745273979	5.92588095947201e-09	0.0698643525241316	1.69484552706311e-07
LUAD	HLTF	cg21926402	-0.0698604200510375	475	-1.51501347672495	0.130444068049206	0.00488047828970741	0.286862638298797
LUAD	HLTF	cg24041269	-0.0856189420270387	475	-1.85904741688827	0.0636478589620457	0.00733060323382941	0.171834861707215
LUAD	HLTF	cg24710191	0.0296336650720673	456	0.628201994722225	0.530191019991691	0.000878154105603463	0.7081411131586121
LUAD	HLTF	cg25951608	-0.363602609341132	475	-8.4438752964924	3.88583647865565e-16	0.13220685751968	3.46271206209092e-14
LUAD	HLTF	cg26151310	-0.0614664217210956	540	-1.42175085502753	0.155683454524194	0.00377812099919557	0.323795280217494
LUAD	HLTF	cg27554556	-0.267847242604323	475	-6.01417124647349	3.64693436833293e-09	0.0717421453707392	1.08327457903815e-07
LUAD	IDH1	cg00707300	-0.0340405083772164	475	-0.736835820665032	0.461591405728672	0.00115875621057934	0.651151319514321
LUAD	IDH1	cg01046174	-0.056997032738525	540	-1.31802132716636	0.188062673308542	0.00324866174099649	0.367544487923053
LUAD	IDH1	cg02241586	-0.0412182882296972	540	-0.952407467295306	0.341322069546975	0.00169894728458639	0.540508924468644
LUAD	IDH1	cg03448938	-0.0916839509968254	475	-1.99181633692496	0.0469718849243088	0.00840594687038829	0.137866553566427

LUAD	IDH1	cg05268564	-0.0452765909912612	475	-0.98048792322203	0.327351908088833	0.00204996969178995	0.526832188709973
LUAD	IDH1	cg07129696	-0.0614575012756071	475	-1.33204699957319	0.183493051675328	0.00377702446304124	0.361731753637181
LUAD	IDH1	cg07915542	-0.126304216201766	540	-2.93950008944202	0.00342998817351296	0.0159527550303425	0.0183333079751213
LUAD	IDH1	cg09406631	-0.0107708251386215	475	-0.233022090815103	0.8158461305704	0.000116010674166762	0.900888659651445
LUAD	IDH1	cg09615745	-0.0776125978474419	475	-1.6840971293824	0.0928296743342891	0.00602371534462874	0.225827545866319
LUAD	IDH1	cg10356455	0.0583096040046223	475	1.26357952299361	0.207010051856733	0.00340000991917586	0.391847291209857
LUAD	IDH1	cg14772913	0.0749976758692708	475	1.62702998594842	0.104403786086797	0.0056246513857922	0.2456741722576
LUAD	IDH1	cg15399923	-0.0123901316067224	475	-0.268060105368392	0.788771160955552	0.000153515361231901	0.883804515337629
LUAD	IDH1	cg16085695	-0.0521998056411506	475	-1.13079611352086	0.25872006765816	0.0027248197089739	0.453389550896533
LUAD	IDH1	cg16863783	0.0343648907098869	475	0.743865615390287	0.457331076011678	0.00118094571350247	0.647536787711855
LUAD	IDH1	cg24324379	-0.107231336085403	540	-2.48998464247659	0.0130784572024572	0.0114985594386606	0.0525665460918604
LUAD	IDH1	cg24830471	0.0130331164206069	475	0.281973366516025	0.778088578881132	0.000169862123633093	0.877257869682499
LUAD	IDH1	cg24987806	0.0230123163556326	475	0.497964389665698	0.618743050754325	0.000529566704051715	0.773692366515285
LUAD	IDH1	cg25795625	-0.0113135657825513	475	-0.244765514322936	0.806745278333094	0.000127996770716115	0.895266072047084
LUAD	IDH1	cg26105702	-0.111811132105413	474	-2.43150581868299	0.0154113019064205	0.0125017292626942	0.0596382042733957
LUAD	ING2	cg02075087	-0.0225234041369381	475	-0.487379371452648	0.626217720715135	0.000507303733915838	0.778845087296571
LUAD	ING2	cg02552216	-0.150930587879444	475	-3.30296541458569	0.00102998550510012	0.0227800423576345	0.00688071531840876
LUAD	ING2	cg10348863	0.0016956516533877	540	0.0391472145957514	0.968787676300109	2.87523452963642e-06	0.983580451165309
LUAD	ING2	cg17985608	0.0540101211454506	475	1.17012549611618	0.242545996285194	0.00291709318614625	0.4349713740522
LUAD	ING3	cg01382559	-0.0319221679707978	475	-0.690934209936392	0.489949439347553	0.00101902480795583	0.675943936380143
LUAD	ING3	cg01416111	-0.123388889389319	475	-2.68986469148643	0.00740355325766995	0.0152248180247295	0.0338417076283669
LUAD	ING3	cg10268125	0.022050530012701	475	0.477141913147444	0.63348380323705	0.00048622587384103	0.784106007950137
LUAD	ING3	cg14303833	-0.120540305614626	475	-2.62683928824444	0.00890089890600117	0.0145299652776673	0.0390105087038566
LUAD	ING3	cg16130600	0.116326409589728	475	2.53372637835484	0.0116109049999989	0.0135318335680372	0.0479029880976831
LUAD	ING3	cg18485114	0.0795439742935828	475	1.72626919701916	0.0849589559352801	0.00632724384641816	0.21197567258963
LUAD	ING3	cg19478983	0.120045605172937	475	2.61590071379839	0.00918680255517999	0.0144109473213367	0.0399462365422655
LUAD	ING3	cg19960827	-0.0652806285107768	475	-1.41525473680452	0.157658884451694	0.00426156045876205	0.326440018661884
LUAD	ING3	cg20553930	-0.0220853644995564	475	-0.477896049141444	0.632947328658221	0.000487763325078268	0.783701112186213
LUAD	ING3	cg24859794	0.0485611138223616	475	1.05177838957976	0.293443998711209	0.00235818177566836	0.491182167909024
LUAD	ING4	cg00369908	-0.104010566346933	475	-2.26236320411969	0.0241326908872758	0.0108181979118097	0.0839276925604512
LUAD	ING4	cg00443163	-0.0656807688714064	475	-1.42396707049638	0.155122385700007	0.00431396339953911	0.322930527259127
LUAD	ING4	cg00591160	0.026655335880186	475	0.576848045365001	0.564319463942238	0.000710506930885529	0.734026691712187
LUAD	ING4	cg03930474	-0.311680616524149	540	-7.57293708080598	1.62048000541405e-13	0.0971448067168734	1.04184811191058e-11
LUAD	ING4	cg04375284	-0.0659698985052431	475	-1.43026277521936	0.153308895131906	0.00435202750879207	0.32049462261427
LUAD	ING4	cg08733494	-0.00503803887337826	475	-0.108990828116899	0.913256480060527	2.53818356896705e-05	0.954173824301333
LUAD	ING4	cg12392916	-0.0115994777571	475	-0.250951954026113	0.801961397425891	0.000134547884237457	0.891929455992406
LUAD	ING4	cg18123790	-0.0342662795216822	475	-0.741728555554421	0.458623868969726	0.00117417791225806	0.648576354528829
LUAD	ING4	cg23354319	-0.0635804609125416	475	-1.37824425164433	0.168786424086469	0.00404247500985123	0.342048845352265
LUAD	ING4	cg27116036	-0.0181694606454507	475	-0.3931304293215	0.69440216642055	0.00033012930014658	0.824838486143655
LUAD	INO80	cg00734724	-0.0162756512490079	475	-0.352142814564873	0.72488967404617	0.000264896823579331	0.844107163370787
LUAD	INO80	cg06380007	0.19445310332988	540	4.57665860020123	5.88417125390456e-06	0.0378120093946211	8.21671546448126e-05
LUAD	INO80	cg12580230	-0.0334059630084154	475	-0.723085054231615	0.469988845252314	0.00111595836451962	0.658642447215781
LUAD	INO80	cg18952654	0.102402566419468	475	2.22701354630488	0.0264213553784463	0.0104862856092935	0.0897839042637861
LUAD	INO80	cg21007089	0.0232658381654229	475	0.503453312720887	0.614882473583437	0.000541299225539649	0.7709075376875
LUAD	INO80	cg21598047	-0.056217653048282	475	-1.21810016396964	0.22379964878938	0.00316042451425701	0.412790617585912
LUAD	INO80	cg22835709	-0.0842860247035002	475	-1.82989700522841	0.0679012669626852	0.00710413396031905	0.180351366113392
LUAD	INO80	cg26409855	0.006866206186124	475	0.148542252369592	0.881978824547757	4.71447873903675e-05	0.937349858723646
LUAD	INO80	cg27441689	-0.103726563797882	475	-2.25611850451127	0.0245239921180273	0.0107592000373161	0.0849543324054779
LUAD	INTS12	cg00093890	0.0494860731127517	475	1.07186067314219	0.284335032923338	0.00244887143212061	0.481613820572159
LUAD	INTS12	cg01852585	0.0195111313849544	474	0.421719394176643	0.673423900322416	0.000380684247920952	0.811115670119559
LUAD	INTS12	cg03607115	-0.0128649298387817	475	-0.278334019120452	0.780878894537514	0.000165506419756775	0.878961884473997
LUAD	INTS12	cg19703969	0.000519318784027047	475	0.0112345845396657	0.991041074438213	2.69691999443331e-07	0.995204630536336
LUAD	INTS12	cg26533745	0.0501962000883318	475	1.08728049121728	0.277472516659371	0.00251965850330784	0.474254574557819
LUAD	IWS1	cg02372421	-0.163411702477724	475	-3.58330251671716	0.000374847533212224	0.0267033845066682	0.00294524684362304
LUAD	IWS1	cg02592214	-0.124264571528522	475	-2.70925279938898	0.00699084934469617	0.0154416837371671	0.0323602364584847
LUAD	IWS1	cg10180764	-0.0407688983111251	475	-0.882699994084922	0.377851552399375	0.00166210306950286	0.57644350533126
LUAD	IWS1	cg10488833	-0.0933555434614943	475	-2.02844775846859	0.0430803366973209	0.00871525749499095	0.1292644404361686

LUAD	IWS1	cg15239145	-0.0715320250839879	475	-1.55144864615881	0.121470154720759	0.00511683061261627	0.272945644185243
LUAD	IWS1	cg17144508	0.00844737439451805	475	0.182751169642424	0.855072403231129	7.13581341611592e-05	0.922818175394509
LUAD	IWS1	cg18451256	0.0431432676988445	475	0.934201422191413	0.350681748045221	0.00186134154773416	0.549664247006567
LUAD	IWS1	cg18530950	-0.10450817795872	475	-2.27330612846799	0.0234600788957331	0.0109219592602514	0.0821467064686797
LUAD	IWS1	cg19311602	0.132683133719213	540	3.09055311477285	0.00210220894642264	0.0176048139735505	0.0123693276105071
LUAD	IWS1	cg19409088	-0.0734447401456246	475	-1.59315531248002	0.111800484340204	0.00539412985505832	0.25784610236168
LUAD	IWS1	cg21581038	-0.0373960722645371	475	-0.809567010411313	0.418600484340346	0.00139846622081448	0.61405577912907
LUAD	IWS1	cg21679674	-0.0740939700795096	475	-1.60731573653569	0.108659540173152	0.00548991640214327	0.252760226900403
LUAD	IWS1	cg22409775	-0.0635510440027989	475	-1.37760398994136	0.168983997490165	0.00403873519384568	0.342297646159351
LUAD	IWS1	cg23570261	0.105085103016851	540	2.43958541246353	0.0150291317904121	0.0110428788760622	0.0584646603912051
LUAD	IWS1	cg23623107	-0.0647886941213682	475	-1.40454469306974	0.160820041639293	0.00419757488595221	0.330834417159064
LUAD	JADE1	cg09863040	0.000321158280203902	470	0.00694771623919292	0.994459529614218	1.03142640943528e-07	0.997112720517722
LUAD	JADE1	cg12832492	-0.0691386959605703	470	-1.4992863868825	0.134473591927213	0.00478015927912818	0.292876021455964
LUAD	JADE1	cg14617908	0.0144165713293653	470	0.311910537908535	0.755247423733586	0.000207837528894679	0.863415795937141
LUAD	JADE1	cg15389440	0.0670039002938107	470	1.45278080364443	0.146954760909054	0.00448952265458293	0.311447465925085
LUAD	JADE1	cg15836763	-0.00011411517767419	470	-0.0024686887625519	0.998031325278549	1.30222737756133e-08	0.99897078748674
LUAD	JADE1	cg20039387	0.0140776398227629	470	0.304576095242944	0.760824419313736	0.000198179942979439	0.86688697164586
LUAD	JADE1	cg22922695	-0.0137119482581691	470	-0.296662685390989	0.766855659533404	0.000188017525034706	0.870774619438646
LUAD	JADE1	cg26766900	-0.0185185847202867	470	-0.400686951826482	0.688833474000292	0.000342937980042435	0.821151757574765
LUAD	JADE2	cg04590931	-0.0144344660519194	535	-0.333280248273179	0.739053808977098	0.000208353810204012	0.853018352990141
LUAD	JADE2	cg04842522	0.0768445361561778	470	1.66733164678358	0.0961174544633793	0.00590508273705812	0.231482919092444
LUAD	JADE2	cg17378563	-0.146349342342883	470	-3.20048001025502	0.00146526877743262	0.0214181300041943	0.00922092859339857
LUAD	JADE2	cg18145011	-0.0605013514350178	470	-1.31124640117525	0.190417496388131	0.00366041352546353	0.370657793419699
LUAD	JADE2	cg21194015	-0.00661119926354131	470	-0.143025233326484	0.886331810293106	4.37079557022492e-05	0.93974821809069
LUAD	JADE2	cg25669900	0.0168353708625341	470	0.3642563815168	0.715831084393642	0.000283429712079062	0.838437823772456
LUAD	JADE2	cg26133206	-0.00876679870677328	470	-0.189662142102528	0.849656118882678	7.68567595650816e-05	0.919822691566618
LUAD	JADE3	cg10860619	-0.0313874131586367	470	-0.679348284419334	0.49725305594777	0.000985169704790959	0.681716203200353
LUAD	JADE3	cg17843048	-0.0872243602532025	535	-2.02143503951114	0.0437340093811478	0.00760808902158046	0.130764990614075
LUAD	JADE3	cg19194595	-0.0601161089865979	535	-1.3904028446232	0.1649868744458	0.00361394655968852	0.336840985477549
LUAD	JARID2	cg01769037	-0.0316514594481307	540	-0.731096988557421	0.465041183440312	0.00100181488519666	0.654261937328069
LUAD	JARID2	cg03223185	-0.0612931035514375	475	-1.32847034254755	0.184670195400253	0.00375684454296724	0.363159664828921
LUAD	JARID2	cg05197191	-0.105884897208915	475	-2.3035904371403	0.0216830474835372	0.0112116114569424	0.0774619303790545
LUAD	JARID2	cg06047828	-0.0357575690430079	475	-0.774049501599278	0.439292357791675	0.00127860374386548	0.632022657935956
LUAD	JARID2	cg14862454	-0.123948617024561	475	-2.70225664548291	0.00713731984307733	0.0153632596623012	0.0329060966732826
LUAD	JARID2	cg15109221	-0.0672232247546633	475	-1.45755775557788	0.145633151541153	0.00451896194641598	0.309568440314662
LUAD	JARID2	cg21397480	-0.131304879884897	475	-2.86536711370289	0.00435276311043883	0.0172409714815872	0.0222176270201088
LUAD	JARID2	cg21901688	-0.114276331057116	471	-2.47781969633403	0.0135736562625876	0.0130590798398756	0.0540966532450877
LUAD	JARID2	cg25338254	-0.0708253513209997	475	-1.53604403363157	0.12520334323561	0.00501623038974304	0.278725679887567
LUAD	JMJD6	cg02318866	0.0712611989585419	475	1.54554469592009	0.122890475663041	0.00507815847700889	0.275207025842899
LUAD	JMJD6	cg04510639	-0.129823286444623	475	-2.83247793998998	0.00481816285228789	0.0168540857032826	0.024070222361692
LUAD	JMJD6	cg07312083	-0.0749549340884365	475	-1.6260974879332	0.104602048854305	0.00561824214420186	0.245977301677911
LUAD	JMJD6	cg08857478	0.0120917516695287	475	0.261603709226211	0.793742075636225	0.00014621045843755	0.88698315117374
LUAD	JMJD6	cg10712116	-0.0234523753002818	475	-0.507492033093344	0.612048690758634	0.000550013907225269	0.768844164072463
LUAD	JMJD6	cg12504415	-0.128044525999826	475	-2.79301757115073	0.00543590460236894	0.01639540063852	0.0265212143390837
LUAD	JMJD6	cg15457598	0.0354512131653683	475	0.767409388335924	0.443225131280684	0.00125678851489639	0.635401767934566
LUAD	JMJD6	cg21102709	-0.100315859022207	475	-2.18116642621868	0.0296681586888355	0.0100632715713633	0.0978590094144272
LUAD	JMJD6	cg21807925	-0.132787347256685	475	-2.89829524213575	0.00392813179475786	0.0176324795914676	0.0204747724482594
LUAD	JMJD6	cg23630158	0.0164598044866545	475	0.356128259685944	0.721904997661149	0.000270925163738892	0.842440242788694
LUAD	JMJD6	cg25004679	-0.0477860926002302	475	-1.03495358186311	0.301225070501636	0.00228351064599777	0.499589654757893
LUAD	JMJD6	cg25908504	-0.158824104053407	475	-3.48006351897999	0.000548221074734485	0.0252250960283675	0.00405363656381471
LUAD	JMJD6	cg26612088	-0.033448529801064	475	-0.724007962621399	0.469422597368841	0.00111880569646299	0.658235756587386
LUAD	JMJD8	cg00873473	-0.194984768371353	475	-4.30071218851457	2.073381525563114e-05	0.0380190598968304	0.000247235809940142
LUAD	JMJD8	cg02851105	-0.197603352663042	475	-4.36080012128798	1.59492887545741e-05	0.0390470849836745	0.000196415857111498
LUAD	JMJD8	cg03899598	-0.195025607893914	475	-4.30164858392124	2.0649702644714e-05	0.0380349877343906	0.000246459491798539
LUAD	JMJD8	cg05787952	-0.136963922264564	475	-2.99117135751283	0.00292574247621839	0.0187591160020934	0.0161399241380608
LUAD	JMJD8	cg06191810	-0.192266290004069	475	-4.23843313514683	2.71252143237352e-05	0.0369663262719287	0.000312156645429091
LUAD	JMJD8	cg06646636	-0.341583810232436	475	-7.86250709209335	2.61840854288335e-14	0.116679499412909	1.86877499252355e-12

LUAD	JMJD8	cg08398290	-0.209105641171124	475	-4.62591142787946	4.83393098330407e-06	0.0437251691695867	6.91015852471806e-05
LUAD	JMJD8	cg26750188	-0.0150317318275327	475	-0.325222823785044	0.7451577776218761	0.00022595296173486	0.856897800762805
LUAD	JMJD8	cg27579097	-0.136646649948441	475	-2.98411041254119	0.0029928037078031	0.0186723069421318	0.016429480745525
LUAD	KAT2B	cg00770008	-0.0441134043492617	475	-0.955248753945391	0.339945067685927	0.00194599244328146	0.539241907102874
LUAD	KAT2B	cg04371528	-0.0237367214071125	475	-0.513648520248736	0.607740161979219	0.000563431943158874	0.765619545294263
LUAD	KAT2B	cg05072819	-0.03823762658031	475	-0.827811739526735	0.408199045099126	0.00146211608649523	0.604174971735948
LUAD	KAT2B	cg12062464	0.0219874804519762	540	0.507743153409078	0.611843520404281	0.000483449296626035	0.768697590864513
LUAD	KAT2B	cg14937543	-0.0147598736128881	475	-0.319339673370213	0.749611443098012	0.000217853869068431	0.85971418089615
LUAD	KAT2B	cg18053505	-0.0394049377590061	540	-0.91044074944823	0.363001654576238	0.00155274911979115	0.561965945276788
LUAD	KAT5	cg00582417	-0.0550228710855133	475	-1.19213266663364	0.233813360538266	0.00302751634249301	0.424735004546734
LUAD	KAT5	cg02561205	-0.0182682885250488	475	-0.395269468168129	0.692824130485201	0.00033373036563443	0.823700735398115
LUAD	KAT5	cg05785768	-0.077020953878615	475	-1.6711822808475	0.0953541765063458	0.00593222733637174	0.230172462306833
LUAD	KAT5	cg07564927	-0.0609284532331797	475	-1.32053735245707	0.187301080723969	0.00371227641338777	0.366587997602503
LUAD	KAT5	cg14726348	-0.0532717605004035	475	-1.15408312254791	0.249055090195523	0.00283788046681235	0.442523163937385
LUAD	KAT5	cg18896539	-0.125756114124703	540	-2.92653858634152	0.00357380867917684	0.0158146002397453	0.0189595581976019
LUAD	KAT5	cg20108992	-0.0683844695890512	475	-1.48285356703858	0.138786387928898	0.00467643568097587	0.299410656199132
LUAD	KAT5	cg20423942	-0.0714469542962725	475	-1.54959408452157	0.121914914835992	0.00510466727821366	0.273668308078
LUAD	KAT5	cg22048492	-0.123785642538991	540	-2.87996332743746	0.00413716766522826	0.0153228852987907	0.021319699098388
LUAD	KAT6A	cg10163397	-0.0197011074444163	475	-0.426282853831184	0.670097748050642	0.000388133634536435	0.808850163879217
LUAD	KAT6A	cg12468056	0.184765681852691	540	4.34037700464502	1.70236554553013e-05	0.0341383571904897	0.000208163824660438
LUAD	KAT6A	cg15251374	-0.179051690442416	475	-3.93710523313973	9.50088826347534e-05	0.0320595078502868	0.000922736706078402
LUAD	KAT6A	cg20966972	0.245981542680889	540	5.85894380331706	8.16223100377187e-09	0.0605069193396702	2.27181609555431e-07
LUAD	KAT6B	cg04396765	0.048912825464852	475	1.05941426586028	0.289957619225316	0.00239246449495508	0.487465164671614
LUAD	KAT6B	cg06972998	-0.0616097483272863	475	-1.33535940212839	0.182407861127462	0.00379576108895155	0.360130882129528
LUAD	KAT6B	cg09631472	-0.0681120791918628	475	-1.47691944989825	0.140369800352061	0.00463925533183859	0.301914021636989
LUAD	KAT6B	cg10359932	0.00427588423115716	475	0.092502364683143	0.926338495860892	1.82831859582584e-05	0.961207754436712
LUAD	KAT6B	cg10739686	-0.100362714208359	475	-2.18219556165201	0.0295916622559675	0.0100726744032688	0.0976688066839513
LUAD	KAT6B	cg11128436	-0.0131159435665737	475	-0.283765651197303	0.776715472146688	0.000172027975641545	0.876482157272073
LUAD	KAT6B	cg11348552	0.0267184475479636	475	0.578214819335718	0.563397215373152	0.00071387543937328	0.733325093115319
LUAD	KAT6B	cg15874302	0.0342489010904502	475	0.741351939815139	0.458851911729976	0.00117298722590344	0.648792701087293
LUAD	KAT6B	cg15912797	0.0468286572880432	475	1.014717136030466	0.311025014810059	0.002192923143401	0.509923709212512
LUAD	KAT6B	cg17147776	0.0497510544033435	475	1.07761433016267	0.281761038370295	0.00247516741424444	0.478889960067204
LUAD	KAT6B	cg18462764	-0.0274685136370454	475	-0.594459114013887	0.552492345901056	0.000754519241428547	0.724768236313504
LUAD	KAT6B	cg18491775	0.244579153152201	475	5.45094918314684	8.12847187034631e-08	0.0598189621566476	1.8030976352487e-06
LUAD	KAT6B	cg24671245	-0.0177628138398364	475	-0.384329052641223	0.700909145076804	0.000315517555508684	0.828664729280494
LUAD	KAT6B	cg26605858	0.0450994277531654	475	0.976643527253218	0.329250215481279	0.00203395838366298	0.528915753513838
LUAD	KDM1A	cg00062312	-0.0363312942087143	475	-0.786485302166361	0.431981280685978	0.00131996293888016	0.625779778144606
LUAD	KDM1A	cg00541565	-0.0474344558017282	475	-1.02732057637485	0.304800204943913	0.0022500275972061	0.503334910228594
LUAD	KDM1A	cg04886391	0.0255383985806989	475	0.552660288079981	0.580759910118586	0.000652209802066643	0.746474728170069
LUAD	KDM1A	cg06958034	0.0219481224537	540	0.506833845311903	0.612481012863004	0.000481720079242612	0.769163121937536
LUAD	KDM1A	cg07118078	0.0897635752672742	475	1.94975399777531	0.0518022526064183	0.00805749944476361	0.148065710374535
LUAD	KDM1A	cg07785945	0.0143844754973478	475	0.311215982861132	0.755775009458872	0.000206913135333798	0.863765074423275
LUAD	KDM1A	cg10499166	-0.0839050450249072	475	-1.82156694487582	0.0691589383594193	0.0070400565806317	0.182737261420171
LUAD	KDM1A	cg12578844	-0.0424063545943412	475	-0.918215700027596	0.358978920268398	0.001798298909981	0.557967400329126
LUAD	KDM1A	cg22683154	-0.212947308812195	475	-4.71489701050606	3.19569388346693e-06	0.0453465563303563	4.77904286755913e-05
LUAD	KDM1A	cg26662347	0.0371983930081057	475	0.805281615315775	0.421066122692041	0.00138372044238549	0.616185439215663
LUAD	KDM1B	cg11007366	0.0138899276246125	475	0.30051406807951	0.763918515729508	0.000192930089416973	0.868910679484478
LUAD	KDM1B	cg15124342	-0.116447182781793	475	-2.5363931027878	0.0115240655298099	0.0135599463778163	0.0476389364885651
LUAD	KDM1B	cg20677365	-0.0735122741266703	459	-1.56713255710601	0.117783495108252	0.00540405444727472	0.267333310531038
LUAD	KDM1B	cg22406543	0.0674134798863915	475	1.46170174077894	0.144494072499959	0.00454457727039291	0.307856705175193
LUAD	KDM1B	cg23073439	-0.0544407319151027	475	-1.17948227018672	0.238805427989725	0.00296379329145208	0.430605879633606
LUAD	KDM1B	cg23860886	0.0240611785204061	475	0.520673618714793	0.602840398493608	0.000578940311790851	0.762056893139801
LUAD	KDM1B	cg24342628	0.0391545868962227	540	0.904647548596756	0.366060850003585	0.00153308167501386	0.564945039032556
LUAD	KDM2A	cg05038268	-0.27681253169131	475	-6.23188828846674	1.02886233046828e-09	0.0766251777013524	3.39725450494267e-08
LUAD	KDM2A	cg05295919	0.000655809797594413	475	0.0141873381639615	0.988686567574609	4.30086490620824e-07	0.994027642135793
LUAD	KDM2A	cg06320126	-0.119134112427	475	-2.59575140263461	0.00973504819231778	0.0141929367437691	0.0417099927891816
LUAD	KDM2A	cg07283932	-0.136419946880613	475	-2.97906567369249	0.00304157447480532	0.0186104019069094	0.0166420203047549

LUAD	KDM2A	cg08836144	-0.0410735095806268	471	-0.885497720508921	0.376346907392619	0.00168703318926984	0.574858262589856
LUAD	KDM2A	cg09993857	-0.0813685548764214	475	-1.76612731517563	0.0780263934793623	0.00662084172267721	0.199309973874028
LUAD	KDM2A	cg11637544	0.101703403807434	475	2.2116489423022	0.0274733603028233	0.0103435823460179	0.0924504356443017
LUAD	KDM2A	cg16004548	-0.0417420994209096	475	-0.903807420455025	0.366562509591234	0.0017424028640651	0.565450203629767
LUAD	KDM2A	cg18132081	0.039994851289509	475	0.865913752324545	0.386981143213589	0.00159958812966994	0.584911520627134
LUAD	KDM2A	cg21293464	-0.288802309464909	475	-6.52582264643963	1.76074620955589e-10	0.0834067739522653	6.70134494257294e-09
LUAD	KDM2A	cg21711868	-0.171988256286792	475	-3.77695527161507	0.000179217492704769	0.0295799603005712	0.00158252504284617
LUAD	KDM2A	cg25597833	-0.0195453229368075	475	-0.422910772093638	0.672554617381059	0.000382019648704095	0.81044508665916
LUAD	KDM2B	cg03486832	-0.311418577088997	475	-7.0895574466681	4.98926679429876e-12	0.0969815301561356	2.50209144129764e-10
LUAD	KDM2B	cg05067991	-0.068835881241254	475	-1.49268845715133	0.136192561710772	0.00473837854626002	0.295527715983593
LUAD	KDM2B	cg07020001	-0.251467343226609	475	-5.62068676480752	3.27216990565321e-08	0.0632358247094491	7.97728566720105e-07
LUAD	KDM2B	cg07529210	-0.284926404918259	475	-6.43044646877401	3.14443295222032e-10	0.0811830562196439	1.13881758419473e-08
LUAD	KDM2B	cg07793808	-0.250107579010935	475	-5.5882599834414	3.89954822564002e-08	0.0625538010787109	9.37458141734981e-07
LUAD	KDM2B	cg09151742	-0.238682889242849	475	-5.31717982520533	1.63546788035137e-07	0.0569695216173143	3.38466582293309e-06
LUAD	KDM2B	cg12251659	-0.0625962360983409	475	-1.35682445746897	0.175491070609443	0.00391828877367924	0.351180767768257
LUAD	KDM2B	cg12888660	-0.101321450408843	475	-2.20325664037655	0.0280631402606401	0.0102660363129516	0.0939552390013874
LUAD	KDM2B	cg15234492	-0.299546406612488	475	-6.79205916739359	3.36709539156133e-11	0.0897280497144539	1.45119013236079e-09
LUAD	KDM2B	cg15316703	-0.0722509519152026	475	-1.56712277025825	0.117761866244676	0.00522020005265291	0.267299816842363
LUAD	KDM2B	cg16837338	-0.195348017808744	470	-4.2859616301853	2.21480843506259e-05	0.0381608480618054	0.000261931905438217
LUAD	KDM2B	cg17452615	-0.300104373694031	475	-6.80596171755536	3.0840480747925e-11	0.0900626351102865	1.34108684142207e-09
LUAD	KDM2B	cg20055546	-0.108041626065613	475	-2.35105996872168	0.0191339284006799	0.0116729929629018	0.0703153113516223
LUAD	KDM2B	cg21249371	-0.278276040924213	475	-6.2675940072827	8.33166927441063e-10	0.0774375549524543	2.80464681754003e-08
LUAD	KDM2B	cg21781916	-0.0766720970515151	475	-1.66356800545462	0.0968682213097928	0.00587861046627695	0.232726497359489
LUAD	KDM2B	cg26218726	-0.0567643048577115	475	-1.22998288655186	0.219321442905554	0.00322218630597921	0.407253665816795
LUAD	KDM2B	cg26509318	-0.239982322696731	475	-5.34789147041797	1.39438894138589e-07	0.057591515206918	2.93553963489905e-06
LUAD	KDM3A	cg01744130	-0.136365973076914	475	-2.97786468508131	0.00305329187629577	0.0185956786132136	0.0166920441478955
LUAD	KDM3A	cg02152982	-0.0600575475077896	475	-1.30159288617132	0.193695928654604	0.0036069090126504	0.374798056754459
LUAD	KDM3A	cg02972551	-0.00708544815459546	540	-0.163584379477503	0.870120350555891	5.02035755514602e-05	0.931127041709355
LUAD	KDM3A	cg03037033	-0.0526065731343461	475	-1.13963221217003	0.255022497568044	0.00276745153693931	0.449308576057263
LUAD	KDM3A	cg04793821	-0.0177388887556207	475	-0.383811229209417	0.701292671256014	0.000314668174284287	0.828859513949808
LUAD	KDM3A	cg07052513	-0.172077731331885	475	-3.77898013417489	0.000177809656294275	0.0296107456203283	0.00157259258773952
LUAD	KDM3A	cg07211384	-0.0728552934602784	474	-1.57861133339844	0.11510231523105	0.00530789378518329	0.263035941222146
LUAD	KDM3A	cg12888358	0.0320914028878371	475	0.694600954039911	0.487650092077774	0.00102985813930948	0.673868181580716
LUAD	KDM3A	cg18611949	-0.0850259295885495	475	-1.84607722091255	0.0655122976169005	0.00722940870239697	0.175576659000557
LUAD	KDM3A	cg19139691	-0.057655542621234	475	-1.24935835450182	0.212158515949276	0.00332416159494893	0.398342524278281
LUAD	KDM3A	cg20191795	-0.0146767193182856	474	-0.317200752478779	0.751233040638928	0.000215406089947737	0.860660400327891
LUAD	KDM3A	cg20918903	0.00956870052382623	540	0.22092071997321	0.82523876578035	9.15600297146724e-05	0.906087619060655
LUAD	KDM3A	cg22404242	-0.0236697966264724	475	-0.512199494859894	0.608753019962391	0.000560259272338565	0.766448702579049
LUAD	KDM3A	cg24749656	-0.0536045040987479	475	-1.16131241146877	0.246106840386606	0.00287344285967268	0.439119329740466
LUAD	KDM3B	cg00435490	-0.0729441705514876	475	-1.58223872646125	0.114270614213592	0.00532085201744451	0.261781263977035
LUAD	KDM3B	cg03315484	-0.0921828820672603	475	-2.00274816301942	0.0457806289564293	0.00849768374622642	0.135293201984367
LUAD	KDM3B	cg05191700	0.00106340101112981	475	0.0230048942392733	0.981656174065989	1.1308217104719e-06	0.990518921343635
LUAD	KDM3B	cg05708550	0.018633955312601	475	0.403184091798127	0.686996929906846	0.00034722429059201	0.819860388807173
LUAD	KDM3B	cg05722427	0.161665167659792	475	3.54397087622498	0.000433737059264219	0.0261356264344688	0.00332336657031426
LUAD	KDM3B	cg15001364	0.00162392032333118	475	0.0351308142802999	0.971990409013726	2.63711721652805e-06	0.985199174979007
LUAD	KDM3B	cg18682923	0.0634860807141555	475	1.37619007085462	0.169420924380025	0.00403048244444427	0.342905905693092
LUAD	KDM3B	cg19076659	0.0277399049015881	474	0.599695193188096	0.549000238569576	0.000769502323949151	0.722014135332568
LUAD	KDM3B	cg24137987	-0.0106345559476036	475	-0.230073630881429	0.818135082743243	0.000113093780202711	0.902165910116911
LUAD	KDM4A	cg00154982	-0.136266720562084	475	-2.97565625570543	0.00307494619428407	0.0185686191327452	0.0167915459945342
LUAD	KDM4A	cg00979347	0.049595012492097	475	1.07422609496881	0.283274895839867	0.00245966526409126	0.480602953939037
LUAD	KDM4A	cg03587511	0.0919637263196562	475	1.99794616552446	0.0463007272764682	0.00845732695859663	0.13637432900748
LUAD	KDM4A	cg08552254	-0.136025329045174	540	-3.16985120854027	0.00161278049354593	0.0185028901418478	0.00998257491915612
LUAD	KDM4A	cg10958452	-0.0282655836920814	475	-0.611722482589848	0.541018429208607	0.000798943221454059	0.716123114439774
LUAD	KDM4A	cg10968649	0.161978275328323	540	3.78960314477427	0.000168101527166801	0.0262369616783381	0.00150020536932593
LUAD	KDM4A	cg12293275	0.00790956708535494	475	0.171115450839912	0.864206944207028	6.25612514777302e-05	0.927885207302341
LUAD	KDM4A	cg17737314	-0.0228490842051196	475	-0.494430351303216	0.62123428626154	0.000522080649012645	0.775535978968969
LUAD	KDM4A	cg19743044	-0.149473013477746	475	-3.27033526864949	0.00115345925590427	0.0223421817581185	0.00756404023887861

LUAD	KDM4A	cg20873046	-0.0205629822015218	475	-0.444939398420675	0.656569259589329	0.000422836237020101	0.799867657116561
LUAD	KDM4A	cg21451504	-0.116862832918054	475	-2.5455717105272	0.0112295759531382	0.0136569217176331	0.0466787941062479
LUAD	KDM4A	cg22094309	-0.0961197914905572	475	-2.08906185070707	0.0372417558066415	0.00923901431618818	0.116198818883482
LUAD	KDM4A	cg24324755	0.0472154037512174	475	1.02256579131827	0.3070414673684	0.00222929435139048	0.505534168182549
LUAD	KDM4A	cg24505556	-0.0665655307047739	475	-1.4432336169829	0.149623667999325	0.0044309698780082	0.315083742849318
LUAD	KDM4A	cg25841161	0.022646888639269	475	0.490052794951386	0.624326187468131	0.000512881565039451	0.777416684102018
LUAD	KDM4B	cg01098771	-0.0587839030892123	475	-1.27389316428494	0.20333354598917	0.0034555472624019	0.387177331457142
LUAD	KDM4B	cg12072803	0.0482448123144434	535	1.11406992445217	0.265752253746624	0.00232756191525587	0.46153345514797
LUAD	KDM4B	cg18115693	-0.006162951111037	475	-0.133327549479425	0.893991650525448	3.79819663970322e-05	0.943818943110409
LUAD	KDM4C	cg00121158	0.0897922202021936	540	2.08142224311827	0.0378719622744355	0.00806264280883922	0.117627317969315
LUAD	KDM4C	cg00667760	0.0400507085225741	475	0.867125038265112	0.386317872223288	0.00160405925316019	0.584283625315703
LUAD	KDM4C	cg05545111	0.130464852203678	475	2.84671736391537	0.00461138582501698	0.0170210776605275	0.0232343360667986
LUAD	KDM4C	cg14196303	-0.0249555186395475	475	-0.540038600609832	0.589427287768227	0.000622777910568804	0.752642635773563
LUAD	KDM4C	cg14473811	0.128876948141073	475	2.811480749985	0.00513845084321702	0.0166092677621569	0.0253337122059208
LUAD	KDM4C	cg14497348	0.0127825238719579	475	0.276550865650344	0.7822470884063	0.000163392916537174	0.879773871705592
LUAD	KDM4E	cg15555590	0.0923525764123764	475	2.00646659619627	0.0453812900017105	0.00852899837000382	0.134434792064014
LUAD	KDM4E	cg19409026	0.122323068566569	475	2.66627540798944	0.00793517295273235	0.0149629331035416	0.0357037145825182
LUAD	KDM5B	cg00528052	0.0644769309915182	540	1.49166941265285	0.136377434308283	0.004157274630085	0.295838105085565
LUAD	KDM5B	cg00571448	0.131186636088482	475	2.86274156281819	0.00438835650032731	0.0172099334882118	0.0223567652643394
LUAD	KDM5B	cg02624558	-0.0390893532695473	475	-0.846278799893853	0.397829735269782	0.00152797753903147	0.59444838802177
LUAD	KDM5B	cg04504182	-0.0127045559724194	475	-0.274863751132435	0.783542215270114	0.000161405742456337	0.880580552357001
LUAD	KDM5B	cg08915090	0.0317170081827987	475	0.686489176007028	0.492744666111181	0.00100596860806772	0.678170094358173
LUAD	KDM5B	cg09889216	-0.0512035243946199	475	-1.10915654422632	0.26793228187739	0.00262180091043043	0.463622134800695
LUAD	KDM5B	cg11171004	0.0614510667860321	475	1.33190700798542	0.183539020375628	0.00377623360914138	0.361784605234066
LUAD	KDM5B	cg11221497	-0.122642452194796	475	-2.67334318074215	0.00777239992103124	0.0150411710803529	0.0351517981196852
LUAD	KDM5B	cg13134514	0.0141046809884153	475	0.305161259376182	0.760379007315339	0.000198942025784963	0.866671420964492
LUAD	KDM5B	cg13253785	-0.031435267433181	475	-0.680385064728406	0.496597121475616	0.000988176038595611	0.681263506852268
LUAD	KDM5B	cg13993945	0.0665075773206821	475	1.44197152172016	0.149979244431477	0.00442325784106651	0.315601864840875
LUAD	KDM5B	cg14560895	0.0473689044713481	535	1.09379753948425	0.274538785772842	0.0022438131108157	0.470996311849236
LUAD	KDM5B	cg21105875	-0.0668046012578698	463	-1.42974986094969	0.153473582449372	0.00446285474922298	0.320699558759743
LUAD	KDM5B	cg24354901	0.0172267524682969	475	0.372726945519406	0.709520421577197	0.000296761000603975	0.834539335896228
LUAD	KDM5B	cg27531483	-0.138662819209732	475	-3.028996594906	0.0025893503627898	0.0192273774311907	0.0146371110393017
LUAD	KDM5C	cg01859586	-0.0700479805022999	475	-1.519100996925	0.129412324724057	0.00490671957245059	0.285238108927383
LUAD	KDM5C	cg04927657	-0.0331156504040222	475	-0.716794195978473	0.473858652124468	0.00109664630168141	0.661819748354952
LUAD	KDM5C	cg04927982	-0.164561417553015	540	-3.85170627774351	0.000131564751368599	0.0270804601470579	0.00121815618519028
LUAD	KDM5C	cg09554224	0.032354207827171	475	0.700295160412284	0.484090973260432	0.00104679476412377	0.670800942649811
LUAD	KDM5C	cg12234996	-0.106426211012371	475	-2.31550161802462	0.0210170082520445	0.0113265383904498	0.0756557836268357
LUAD	KDM5C	cg16417926	-0.129953267681677	475	-2.8353625546711	0.00477560649545376	0.0168878517811456	0.0239038423445843
LUAD	KDM5C	cg16824069	-0.238118469972894	475	-5.30384942497514	1.75226996325269e-07	0.0567004057422321	3.60911012764838e-06
LUAD	KDM5C	cg19903753	-0.119218677725372	475	-2.59762050842505	0.00968298775019018	0.014213093118586	0.0415464314730735
LUAD	KDM5C	cg24985300	-0.0697303903858033	475	-1.51217982442917	0.131163068623843	0.00486232734335653	0.28789851700333
LUAD	KDM5C	cg27526317	-0.0521347282639623	475	-1.1293825079965	0.259315048670714	0.00271802989115719	0.45414576533745
LUAD	KDM6A	cg00751785	-0.0778065995483638	475	-1.68833233311528	0.0920136247196588	0.00605386693327944	0.224349900377394
LUAD	KDM6A	cg03267667	0.00795577349495765	475	0.172115142674959	0.863421409548622	6.32943319030707e-05	0.927402835053578
LUAD	KDM6A	cg03478540	-0.0180091554954389	475	-0.389660795804955	0.69696464924139	0.000324329681658899	0.826191873999401
LUAD	KDM6A	cg06877198	0.0250557489826962	475	0.542208949763287	0.587932643920243	0.00062779055708388	0.751682615431021
LUAD	KDM6A	cg07167981	-0.129714627766202	475	-2.8300666411753	0.00485400027388752	0.0168258846565243	0.0242016248684306
LUAD	KDM6A	cg11895950	-0.039402800561735	475	-0.853075398372253	0.39405387581538	0.00155258069210786	0.590793457525413
LUAD	KDM6A	cg14384228	0.0256590270775356	475	0.555272448647936	0.578973630364458	0.000658385670565706	0.745077411466687
LUAD	KDM6A	cg15923127	-0.00338288191142612	475	-0.0731833438951868	0.94169148751144	1.14438900266541e-05	0.968917939628941
LUAD	KDM6A	cg17824914	-0.0143308691286337	475	-0.310055941111358	0.756656434730781	0.000205373809982026	0.864315321911289
LUAD	KDM6A	cg20211377	0.0208757714653516	475	0.451710424537454	0.651686869629924	0.000435797834273588	0.79640081727855
LUAD	KDM6A	cg22133177	0.121174778361653	475	2.6408713475934	0.00854582557094608	0.0146833269109957	0.0378035911785613
LUAD	KDM6A	cg27306636	-0.0026634871787478	475	-0.0576202419511807	0.954075718700291	7.09416395135389e-06	0.975658367894655
LUAD	KDM6B	cg01046511	-0.0318449809175301	475	-0.689261849224856	0.491000085663422	0.00101410280963786	0.676697386247037
LUAD	KDM6B	cg02308232	-0.154733047668303	475	-3.38819395882854	0.000762963192031025	0.0239423160407214	0.00535202511820213
LUAD	KDM6B	cg24893073	-0.180747066887852	475	-3.97563719216146	8.12879654953198e-05	0.0326695021885616	0.000805056141023922

LUAD	KDM8	cg00636124	-0.0889555155793432	475	-1.93206150076632	0.0539551643243311	0.00791308375198677	0.152526910623461
LUAD	KDM8	cg01755539	-0.125669682566892	475	-2.74037622476592	0.00637153948903126	0.0157928691164633	0.0300686949043251
LUAD	KDM8	cg06329197	-0.129556965368982	475	-2.82656806082121	0.00490642744436662	0.0167850072756195	0.0244141369199857
LUAD	KDM8	cg08572679	-0.0735630702720458	475	-1.59573607131749	0.111222748685477	0.00541152530784996	0.256924978805653
LUAD	KDM8	cg09140090	-0.117705432218137	475	-2.56418260367574	0.0106529571252792	0.0138545687736585	0.0447852416597657
LUAD	KDM8	cg10214171	-0.120842277847043	475	-2.63351732621837	0.00873029846944593	0.014602856115262	0.038396926680918
LUAD	KDM8	cg10221365	-0.105648569161571	475	-2.29839087607727	0.0219795238318454	0.0111616201658873	0.0781871634265208
LUAD	KDM8	cg16752029	-0.189441299961138	475	-4.17382127971253	3.57215088203089e-05	0.0358880061309658	0.000397158647587125
LUAD	KDM8	cg24206694	-0.0671427563466475	540	-1.55361682560051	0.120869390642728	0.00450814972982527	0.271996337161134
LUAD	KDM8	cg24705286	-0.00852782539154268	540	-0.196887296845451	0.843990787246863	7.272380590864e-05	0.916671726222975
LUAD	KIAA202f	cg03495688	0.134711588656269	475	2.94106549206371	0.00343296709454336	0.0181472121182959	0.0183461044276229
LUAD	KIAA202f	cg25608569	-0.0714974558428751	475	-1.5506950250968	0.121650733985781	0.00511188619200388	0.273242443062491
LUAD	KMT2B	cg09284703	-0.0445958571016323	475	-0.965716678719451	0.334684727017253	0.0019887904706292	0.534256651487261
LUAD	KMT2B	cg13830730	-0.00933511000444178	475	-0.201958106637165	0.840037232147775	8.7144278795029e-05	0.914303692727583
LUAD	KMT2B	cg15496871	0.0587082357548124	475	1.27224771901676	0.203916878894977	0.00344665694544263	0.387857104748501
LUAD	KMT2B	cg24471867	0.167655557904758	540	3.92620202136082	9.762227204065e-05	0.0281083860963558	0.000944463005985615
LUAD	L3MBTL1	cg01071811	-0.287221072124708	540	-6.92270630571598	1.27815554712093e-11	0.0824959442724668	5.96477700256302e-10
LUAD	L3MBTL1	cg01877937	-0.319810211768594	475	-7.30204420224309	1.22761198225031e-12	0.102278571551473	6.86069299907908e-11
LUAD	L3MBTL1	cg02177317	-0.218411602558402	475	-4.84186378199725	1.75055066858246e-06	0.0477036281321293	2.80904164009291e-05
LUAD	L3MBTL1	cg02472486	-0.137900040776051	475	-3.01201029791275	0.0027357663871568	0.0190164212460366	0.0153066999074574
LUAD	L3MBTL1	cg02611863	-0.304653416175372	540	-7.3845054664188	5.93029944031027e-13	0.0928137039873245	3.47134473031977e-11
LUAD	L3MBTL1	cg03486259	-0.141497789223752	475	-3.09217692301586	0.00210562361209628	0.0200216243552094	0.0123850660274776
LUAD	L3MBTL1	cg04984575	-0.231611480728909	475	-5.15057495424171	3.83352098504251e-07	0.053643878005438	7.2543160182534e-06
LUAD	L3MBTL1	cg06362543	-0.0662796782218905	475	-1.43700853041453	0.151383765573544	0.00439299574519735	0.317689470165317
LUAD	L3MBTL1	cg06446163	-0.311700840259004	475	-7.09667442476213	4.76281056560845e-12	0.0971574138181694	2.4044002929328e-10
LUAD	L3MBTL1	cg06908806	-0.0901797824791745	475	-1.95886838246316	0.0507216074567686	0.00813239316799124	0.145839618956677
LUAD	L3MBTL1	cg07678583	-0.283611627866106	475	-6.39817145366637	3.82031468182105e-10	0.0804355554608628	1.36266648490411e-08
LUAD	L3MBTL1	cg08369943	-0.130818069318943	475	-2.8545584988281	0.00450099499618986	0.0171133672603359	0.0227903153302261
LUAD	L3MBTL1	cg08633313	-0.315424890045282	475	-7.19076849316373	2.56855294283948e-12	0.0994928612600781	1.36674423827124e-10
LUAD	L3MBTL1	cg09541000	-0.224002122577374	475	-4.9722586047278	9.30496080108047e-07	0.0501769509191691	1.60788565206409e-05
LUAD	L3MBTL1	cg10360552	-0.273481898923645	475	-6.1508042469041	1.65527052695862e-09	0.0747923490388829	5.25377867703871e-08
LUAD	L3MBTL1	cg12699433	-0.228170881936153	475	-5.06982734907695	5.74628324360311e-07	0.0520619513635219	1.04665501908888e-05
LUAD	L3MBTL1	cg14306330	-0.129010321164249	475	-2.81443953319855	0.00509217922130123	0.0166436629669028	0.0251502120717356
LUAD	L3MBTL1	cg15123011	-0.1586960723296	475	-3.47718565393371	0.000553988363848121	0.0251844433728416	0.00408967268715133
LUAD	L3MBTL1	cg15302378	-0.207320967755541	474	-4.57974830798458	5.97914258233988e-06	0.0429819836710939	8.32989645505997e-05
LUAD	L3MBTL1	cg15330298	-0.265752578283119	475	-5.96354894141836	4.86911476327168e-09	0.0706244328641255	1.41233375799387e-07
LUAD	L3MBTL1	cg15388309	-0.335830331542736	475	-7.71307715069745	7.4572005754258e-14	0.112782011584104	5.01838634571518e-12
LUAD	L3MBTL1	cg16862791	-0.247054529779281	475	-5.51558095239641	5.76025188599733e-08	0.0610359406844618	1.32538608464737e-06
LUAD	L3MBTL1	cg17091610	-0.405427254196959	475	-9.59465099765219	5.07251310489433e-20	0.164371258445685	6.80865299939599e-18
LUAD	L3MBTL1	cg17774347	-0.0520053573059951	475	-1.12657236534081	0.260500648654284	0.00270455718852422	0.455647708009068
LUAD	L3MBTL1	cg18911945	-0.310605257786403	475	-7.06906203986361	5.70223166810123e-12	0.0964756261645578	2.83088328263093e-10
LUAD	L3MBTL1	cg20091959	-0.335264772574185	540	-8.2156794187165	1.60835397345497e-15	0.11240246772922	1.33675522447603e-13
LUAD	L3MBTL1	cg20252111	-0.168269771329587	475	-3.6928886973784	0.000247871300474571	0.0283147159433116	0.00207588545043802
LUAD	L3MBTL1	cg20529070	-0.288457407374475	475	-6.51732139170843	1.85465851980719e-10	0.0832076758692036	7.03125267494544e-09
LUAD	L3MBTL1	cg22330467	-0.241618565610594	474	-5.38084890025497	1.17518586467431e-07	0.0583795312477208	2.51298540836924e-06
LUAD	L3MBTL1	cg22457903	-0.411990079081141	475	-9.78141162087295	1.10637884293961e-20	0.169735825261285	1.55360353262896e-18
LUAD	L3MBTL1	cg22601123	-0.226630209921628	475	-5.03373441154822	6.87410171634417e-07	0.0513612520491214	1.22596026804511e-05
LUAD	L3MBTL1	cg23626798	-0.302695044219668	540	-7.33223133703901	8.4609660082551e-13	0.091624289795147	4.83624092319028e-11
LUAD	L3MBTL1	cg24343973	-0.302791466729908	475	-6.87302238953703	2.01521737562591e-11	0.0916826723244489	9.00469962776806e-10
LUAD	L3MBTL2	cg02358112	-0.153951619579405	475	-3.37066653199932	0.000811950228887874	0.0237011011711217	0.00563843222240617
LUAD	L3MBTL2	cg06235991	-0.0879049140288355	540	-2.03732929899461	0.0421104833128545	0.00772727391041696	0.127130771292751
LUAD	L3MBTL2	cg08053598	0.0774430533697558	475	1.68039600292906	0.0935475797624671	0.00599742651523085	0.227114827576736
LUAD	L3MBTL2	cg09993119	-0.0864279905416096	475	-1.87674590409867	0.0611748790026113	0.00746979754906056	0.166942804824399
LUAD	L3MBTL2	cg12821546	0.0209508130914205	475	0.453334888733187	0.650517730497521	0.000438936569191638	0.795585158174537
LUAD	L3MBTL2	cg13843727	-0.0510470528889118	475	-1.10575823296993	0.269399276416513	0.00260580160864336	0.465353213197136
LUAD	L3MBTL2	cg14679202	0.00859359226746186	540	0.198405810006144	0.842803224403972	7.38498280593802e-05	0.916007149025727
LUAD	L3MBTL2	cg15283028	-0.0261902210626607	474	-0.566775526598481	0.571138416931626	0.000685927679311036	0.739093233587354

LUAD	L3MBTL2	cg19467356	-0.0974549875706418	475	-2.11835724961778	0.0346712050309443	0.00949747460239395	0.110054338345735
LUAD	L3MBTL2	cg24240981	-0.012627387644349	475	-0.273193943142076	0.78482464933271	0.000159450918720658	0.881135940672079
LUAD	L3MBTL2	cg26947834	0.0567050943961007	475	1.2286957588622	0.219803378632643	0.00321546773047069	0.40787596396603
LUAD	L3MBTL2	cg27177954	-0.022924038092882	475	-0.496053126652766	0.620089806467079	0.000525511522483906	0.774703963581614
LUAD	L3MBTL2	cg03454037	0.141924686764656	475	3.10169747300587	0.00204040544925702	0.0201426167132458	0.0120882873748763
LUAD	L3MBTL2	cg07826275	-0.123350840827914	475	-2.68902241937771	0.00742196923793075	0.0152154299329534	0.0339099474302922
LUAD	L3MBTL2	cg08106148	-0.173729503994617	474	-3.81229839696174	0.000156132049796028	0.0301819405582157	0.00140922806379304
LUAD	L3MBTL2	cg08358392	-0.294195212524216	475	-6.65911221276165	7.74171546025999e-11	0.0865508230721684	3.15649377628651e-09
LUAD	L3MBTL2	cg09710740	-0.17102169634341	474	-3.75107370078268	0.000198212908863844	0.0292484206201774	0.00172359513671954
LUAD	L3MBTL2	cg10237990	-0.148761478178591	475	-3.25441434307452	0.001218563012318	0.0221299773898795	0.00791887820401522
LUAD	L3MBTL2	cg16487825	-0.120064931771497	475	-2.61632801693377	0.00917548151944554	0.0144155878412942	0.0399126263321263
LUAD	L3MBTL2	cg16800851	-0.207352311061226	475	-4.58537331243327	5.82412330821209e-06	0.0429949809024314	8.14748873654111e-05
LUAD	L3MBTL2	cg18411550	-0.15631362324053	475	-3.42366621303266	0.000672131383134136	0.0244339488105824	0.00481382699498591
LUAD	L3MBTL2	cg18798995	-0.165354522815136	475	-3.62709515881442	0.000318135378299067	0.0273421182154213	0.00256705980908595
LUAD	L3MBTL2	cg22934935	0.138356894002433	475	3.02218329456756	0.00264719310334346	0.0191426301180006	0.0148991274982999
LUAD	L3MBTL2	cg24516147	-0.14331385718102	475	-3.13269062009806	0.00184075697424864	0.0205388616601018	0.0111085135408191
LUAD	LBR	cg01017344	0.00384664157561983	474	0.0831272425621166	0.933785983204359	1.4796651411287e-05	0.964765017761899
LUAD	LBR	cg05530459	0.0724962196365503	475	1.57247068535741	0.116517210710385	0.00525570186159095	0.265279636220074
LUAD	LBR	cg12994003	0.0136290874934439	540	0.314681146173362	0.753126905989168	0.000185752025903948	0.861890853149173
LUAD	LBR	cg14607642	-0.303308014822168	540	-7.34858210514135	7.57242909054437e-13	0.0919957518553642	4.36039636321102e-11
LUAD	LBR	cg18107727	-0.0585996186312297	475	-1.26988579331153	0.204756348126613	0.00343391530372556	0.388877599330137
LUAD	LBR	cg18289048	-0.0126742984458308	475	-0.27420902261911	0.784044985121023	0.000160637841093989	0.880858606601159
LUAD	LBR	cg18764107	0.0379872187538889	475	0.822382765393198	0.411277882496265	0.00144302878865581	0.607091491931819
LUAD	LBR	cg19322477	0.0481125666481758	475	1.04204072289955	0.297930789417578	0.00231481906947516	0.49612669066169
LUAD	LBR	cg20483690	-0.0647879081612823	474	-1.40302621643647	0.161273513267081	0.00419747304391475	0.33146926528664
LUAD	LBR	cg26930584	-0.0244883380013151	475	-0.529922665382969	0.596416859350544	0.000599678698066654	0.757549809073362
LUAD	MBD1	cg01719254	-0.215481096535168	475	-4.77371286108725	2.42214196446202e-06	0.0464321029639986	3.74162255725494e-05
LUAD	MBD1	cg03841029	-0.10283128782041	540	-2.38669696098818	0.0173483038206182	0.0105742737548039	0.0652639850776717
LUAD	MBD1	cg05549078	-0.190428900393431	475	-4.19639689669552	3.24586984172076e-05	0.0362631661050511	0.0003649504241463
LUAD	MBD1	cg12090413	-0.184855100325835	475	-4.06915595747991	5.53772910122553e-05	0.0341714081164745	0.000580135210675801
LUAD	MBD1	cg13478031	-0.0738653743391344	475	-1.6023295767634	0.109757441567763	0.00545609352626046	0.254575742675091
LUAD	MBD1	cg14389183	-0.133053372146839	475	-2.90420619706413	0.0038560280173198	0.0177031998396451	0.0201664432658405
LUAD	MBD1	cg19328682	-0.177181574919498	475	-3.89464387595566	0.00011266021540946	0.0313933104909537	0.00106790408158444
LUAD	MBD1	cg21282183	0.117206245960278	475	2.55315616314123	0.01099131261939	0.0137373040921013	0.0458869901208986
LUAD	MBD2	cg15090185	-0.00413298347279795	475	-0.0894108666323715	0.928793637585078	1.7081552386421e-05	0.962340907690556
LUAD	MBD2	cg16852837	-0.0410966114594304	475	-0.889807368562802	0.374026489683433	0.00168893147344739	0.572651920616263
LUAD	MBD2	cg17987217	-0.066432057917357	475	-1.44032689978774	0.150443561803649	0.00441321831913507	0.316236765299065
LUAD	MBD2	cg22224310	-0.060804004894645	475	-1.31783009283133	0.188205236813068	0.00369712701122802	0.367691573954595
LUAD	MBD2	cg22836370	0.0886223773615587	540	2.05408869079625	0.040454269591536	0.00785392576921451	0.123386632502311
LUAD	MBD2	cg23388714	-0.044319043840229	475	-0.959710494498028	0.337696486097536	0.00196417764691214	0.537135505519877
LUAD	MBD2	cg24881765	-0.0625243685240985	475	-1.35526055191306	0.175988289960063	0.00390929665933728	0.351831856427239
LUAD	MBD2	cg25192916	0.128052072309314	475	2.79318492178116	0.00543313986076672	0.016397333227099	0.0265093880035428
LUAD	MBD3	cg08660999	0.0331102034294665	475	0.716676165831302	0.473931425648629	0.00109628557114065	0.66186197517116
LUAD	MBD3	cg09174855	-0.0594618406020852	475	-1.28863643128159	0.198161168126149	0.00353571048778778	0.380714977925928
LUAD	MBD3	cg12286540	-0.0137434067057188	475	-0.297343428084181	0.766336265217856	0.000188881227878798	0.870451959453799
LUAD	MBD5	cg03890220	0.151213659761744	475	3.30930498262837	0.00100746797786658	0.0228655708985404	0.00675646240259935
LUAD	MBD5	cg04152151	0.11856294225296	475	2.58312860360557	0.0100932329038853	0.0140571712756787	0.0429419174473531
LUAD	MBD5	cg05218490	-0.00309786696938222	540	-0.0715201559064039	0.943010611270491	9.59677975998939e-06	0.969646793993637
LUAD	MBD5	cg06394585	0.119287412753267	475	2.59913976766963	0.00964085520691491	0.0142294868413683	0.04140904869516
LUAD	MBD5	cg06758980	0.171100164018361	475	3.75686253750246	0.000193768972946734	0.0292752661271102	0.00169010690452048
LUAD	MBD5	cg20595490	0.10036991155394	474	2.18002082545719	0.0297545804196596	0.0100741191453457	0.0980816876765678
LUAD	MBD5	cg21412502	-0.0462196362384934	475	-1.00095332761202	0.317366620427117	0.00213625477401865	0.516578750143559
LUAD	MBD5	cg23120335	-0.121903261898568	475	-2.65698661084629	0.00815375254088655	0.0148604052615108	0.0364589622465644
LUAD	MBD5	cg25686162	0.144544955999602	475	3.16017289812554	0.0016789526453876	0.0208932443049269	0.0103104232787561
LUAD	MBD5	cg26664634	-0.150092743890844	475	-3.28420625148604	0.00109938257041677	0.0225278317686825	0.0072596017046942
LUAD	MBTD1	cg01388767	0.00601036308215839	475	0.130026382249185	0.896601421190273	3.61244643793725e-05	0.945203258790023
LUAD	MBTD1	cg14577476	-0.0602752316813045	475	-1.3063278021689	0.192082744159155	0.00363310355423493	0.372603356251679

LUAD	MBTD1	cg17045523	-0.0659691271674616	475	-1.43024597910677	0.153313711674004	0.00435192573923673	0.32049462261427
LUAD	MBTD1	cg18711617	0.0214078787421308	475	0.463229387569046	0.643415292319891	0.000458297272237775	0.790711000429663
LUAD	MBTD1	cg22141797	-0.0413501375053937	475	-0.89530598585114	0.371083781245411	0.00170983387171496	0.569794956541242
LUAD	MBTD1	cg25259117	-0.00467031994166319	475	-0.101035570029227	0.91956549370814	2.18118883574969e-05	0.957640165694315
LUAD	MBTD1	cg25716740	0.0636579765461486	540	1.47264536951033	0.141436929976216	0.00405233797795001	0.303485134272298
LUAD	MBTD1	cg25855326	-0.158102310786375	475	-3.46384158029829	0.000581478648469123	0.0249963406759916	0.00425986910057509
LUAD	MBTD1	cg27207041	0.120212630477348	540	2.79559729125258	0.00536722863884138	0.0144510765262834	0.0262454072996434
LUAD	MBTD1	cg27214721	0.0217796222373085	475	0.471277057273825	0.637662505564291	0.000474351944799862	0.786859254070434
LUAD	MBTD1	cg27353579	-0.0914157014544145	475	-1.98593948288267	0.0476230356826434	0.00835683047240263	0.139277685635172
LUAD	MLLT10	cg00879184	-0.0229618877297328	475	-0.496872586426598	0.619512223991556	0.000527248288112854	0.774305677086197
LUAD	MLLT10	cg03524461	-0.130541989574048	475	-2.84842965706293	0.00458707162858053	0.0170412110419508	0.0231388049717153
LUAD	MLLT10	cg04188362	-0.065878559662116	475	-1.42827386228544	0.1538800493001	0.00433998462315497	0.321227577227399
LUAD	MLLT10	cg05913198	-0.0329203897861157	475	-0.712563145854069	0.47647122465556	0.00108375206366979	0.66422841464509
LUAD	MLLT10	cg06398735	-0.0532966954384224	475	-1.15462485322492	0.248833306629375	0.00284053774465596	0.442260412518291
LUAD	MLLT10	cg11443787	-0.093744961027171	540	-2.17384356295075	0.0301562645484603	0.0087881177179858	0.0990992457349267
LUAD	MLLT10	cg15910013	-0.0782278022570834	475	-1.69752817145818	0.0902616510182311	0.00611958904597335	0.22124314321357
LUAD	MLLT10	cg19119538	-0.108928640815001	475	-2.37059284142766	0.0181638339819541	0.0118654487898036	0.0675900363910906
LUAD	MLLT10	cg20569108	-0.108141719187966	475	-2.35326382515307	0.0190222465447108	0.0116946314289288	0.0699908550205377
LUAD	MLLT10	cg23344688	-0.00649041704324861	475	-0.140412146189489	0.888394773045408	4.2125513395292e-05	0.940744340492676
LUAD	MLLT10	cg26877631	-0.0693718000649888	475	-1.50436569864482	0.133161771572745	0.00481244664425678	0.29097465349554
LUAD	MLLT10	cg27470303	-0.0566180452231483	475	-1.22680349185923	0.22051327864963	0.00320560304489046	0.408745314998801
LUAD	MLLT10	cg27572529	-0.0850602063037208	475	-1.84682685733501	0.0654033224177459	0.00723523869643154	0.175375226256932
LUAD	MLLT6	cg05652455	0.070062074691722	475	1.5194081592785	0.129335050508529	0.00490869431010844	0.285125909711222
LUAD	MORF4L	cg03589001	-0.0460750353670376	540	-1.06485568930304	0.287423389931997	0.00212290888407377	0.484933856652059
LUAD	MORF4L	cg07757959	0.101625668508965	475	2.20994085790219	0.0275925211068884	0.0103277764998939	0.0927548434443555
LUAD	MORF4L	cg08692282	0.129470073847873	475	2.824640002658	0.00493553903573909	0.0167625000221736	0.0245260507024137
LUAD	MORF4L	cg13747872	-0.0864945377099774	475	-1.87820183474087	0.0609750476995908	0.0074813050536627	0.166566923967342
LUAD	MORF4L	cg15822222	-0.127092569035337	475	-2.77191045523285	0.0057949955401018	0.0161525211040019	0.0279072973318444
LUAD	MORF4L	cg20775702	-0.19430162999037	475	-4.28505218605667	2.21899294279567e-05	0.0377531234169145	0.000262267300200313
LUAD	MORF4L	cg20905746	0.156855977146233	475	3.43584425204491	0.000643347756576574	0.0246037975664996	0.00464143516415821
LUAD	MORF4L	cg23623458	-0.212188791625243	440	-4.51824917619183	8.05397170359585e-06	0.045024083291381	0.000108231244551656
LUAD	MORF4L	cg24795825	-0.127019783247271	464	-2.73754644798991	0.00643145327187215	0.0161340253361837	0.0302880607683287
LUAD	MPHOSF	cg00331616	-0.291085630376489	475	-6.58217280358353	1.24601597399164e-10	0.0847308442116777	4.89558417579323e-09
LUAD	MPHOSF	cg03134886	0.00134709100361997	475	0.0291420605590011	0.976763713436714	1.81465417203385e-06	0.987769975172366
LUAD	MPHOSF	cg03428000	0.239822932672353	540	5.70318027242285	1.95075723503904e-08	0.0575150390355681	5.0217474633563e-07
LUAD	MPHOSF	cg04203901	-0.00365378807503024	475	-0.0790440491526034	0.937031372341175	1.33501672972332e-05	0.966376475714444
LUAD	MPHOSF	cg06019692	-0.0707272404560683	475	-1.53390552263009	0.125728612313966	0.00500234254253051	0.279511092685757
LUAD	MPHOSF	cg09559995	-0.0397700461920505	475	-0.861038847979324	0.389657562299249	0.00158165657411783	0.587313669066084
LUAD	MPHOSF	cg11051893	0.162936455463315	475	3.57259663160388	0.000390087215412512	0.0265482885189488	0.00304164025616928
LUAD	MPHOSF	cg19693579	0.113534810402261	475	2.47211815183585	0.0137860751770378	0.0128901531730773	0.0547236418166384
LUAD	MPHOSF	cg20759595	-0.104894713879849	475	-2.28180758985002	0.0229488565564106	0.0110029009999354	0.0807710874971455
LUAD	MPHOSF	cg20952532	-0.0806567171633285	475	-1.75057505608438	0.0806743642598687	0.00650550602356517	0.204203211206879
LUAD	MPHOSF	cg21958444	-0.145619613453178	475	-3.1841751248734	0.00154848398209792	0.0212050718222529	0.00964937222871884
LUAD	MPHOSF	cg22656705	-0.0749850016486759	475	-1.62675347136453	0.104462545893366	0.00562275047225192	0.2457529725181
LUAD	MSH6	cg00620552	-0.0688321599181001	474	-1.49101185829072	0.136633510909722	0.00473786623899091	0.296228397182735
LUAD	MSH6	cg02905881	0.0203243876620196	540	0.469321869875612	0.639031507233281	0.000413080733836054	0.787841791976321
LUAD	MSH6	cg05039065	-0.0495351458092021	475	-1.07292619334546	0.28385715408247	0.00245373067033891	0.481126064370579
LUAD	MSH6	cg07652213	0.0969123899366404	540	2.24797768220124	0.024985571345043	0.00939201132323143	0.0861605650038698
LUAD	MSH6	cg09898070	-0.190011251186414	475	-4.18684822011456	3.38024972638454e-05	0.0361042755774264	0.000378146602263962
LUAD	MSH6	cg11869233	-0.0516193824618514	475	-1.11818871616828	0.264060047320595	0.00266456064574289	0.459585109700153
LUAD	MSH6	cg16595246	-0.118005978518307	475	-2.57082226995971	0.0104537249038218	0.0139254109660631	0.0441257230150794
LUAD	MSH6	cg18222961	-0.102168856248835	475	-2.22187722635507	0.0267690836109664	0.0104384751871952	0.0906684992350889
LUAD	MSH6	cg19076255	0.00977034964377773	475	0.211375068863624	0.832686622335588	9.54597321616677e-05	0.910232945375207
LUAD	MSH6	cg19736286	0.0356786652279689	474	0.771513689266384	0.440792711731512	0.00127296715244947	0.633377998029958
LUAD	MSH6	cg21405109	-0.0612135562287657	475	-1.32673974023032	0.185241777181675	0.00374709946617225	0.363888157519096
LUAD	MTA1	cg01318265	-0.155807886697935	475	-3.41231324236605	0.000700042534931929	0.0242760975572765	0.00498618466970284
LUAD	MTA1	cg01655777	-0.0328980395145974	475	-0.71207884901508	0.476770770508637	0.00108228100390401	0.664491200188991

LUAD	MTA1	cg05922925	-0.145722759478621	475	-3.18647947176841	0.00153646411361806	0.0212351226300639	0.0095867572389159
LUAD	MTA1	cg13052453	-0.206367591212872	475	-4.56262623780679	6.46221977758367e-06	0.0425875827030029	8.91350931520114e-05
LUAD	MTA1	cg13981078	-0.148209220224671	475	-3.24206088491078	0.00127140692228407	0.0219659729596052	0.00819519679444586
LUAD	MTA1	cg16531924	-0.13304778124942	475	-2.90408196323733	0.00385753096922608	0.0177017120953936	0.0201729473124478
LUAD	MTA1	cg20222911	0.0249978491503351	540	0.577300566384062	0.563980194792331	0.000624892462142912	0.733781697780215
LUAD	MTA1	cg21517792	-0.0901186551939015	475	-1.95752971146338	0.0508791298132814	0.0081213720139573	0.146141302048974
LUAD	MTA1	cg23123838	-0.131238304419966	475	-2.86388881982794	0.00437277123181865	0.0172234925470277	0.0222992700890266
LUAD	MTA1	cg23883989	-0.144545704415164	475	-3.16018960982963	0.00167885837753641	0.020893460664876	0.0103104232787561
LUAD	MTA1	cg23966123	-0.0746613120677564	475	-1.61969177565447	0.105972115838769	0.0055743115196789	0.248239036722099
LUAD	MTA2	cg00501779	0.0562846363601302	475	1.21955613957183	0.223247439724463	0.00316796029019209	0.412000530796551
LUAD	MTA2	cg07654871	-0.0970644347753076	475	-2.10978698368411	0.0354069908524169	0.00942150449824994	0.11177872925789
LUAD	MTA2	cg09086761	-0.0066797690935254	540	-0.154217885341686	0.877496315485079	4.46193151428172e-05	0.935032919676828
LUAD	MTA2	cg13708959	-0.147449419889427	475	-3.22506997683299	0.00134755977967672	0.0217413314257285	0.00860397087178888
LUAD	MTA2	cg19570317	-0.098764210913916	540	-2.29135160035481	0.0223323132451741	0.00975436935744849	0.0790877214273717
LUAD	MTA2	cg21002970	-0.0296689891563605	475	-0.642121045564181	0.521108993524972	0.000880248917560238	0.701235976583725
LUAD	MTF2	cg05396182	-0.0479369832482916	475	-1.03822909419187	0.299699517239543	0.00229795436294699	0.497956563168941
LUAD	MTF2	cg05962718	-0.172238303209955	474	-3.77857077782054	0.000178138841832	0.0296660330926445	0.00157532489047159
LUAD	MTF2	cg09936581	0.0394249241843239	475	0.853555122915872	0.393788188884616	0.00155432464693969	0.590519081020294
LUAD	MTF2	cg11404133	0.0305279036651526	475	0.660727487199087	0.509112190378118	0.000931952902188839	0.691624443172537
LUAD	MTF2	cg14474880	-0.127403188041707	540	-2.96549680076354	0.00315733501234169	0.0162315723231906	0.0171715408242526
LUAD	MTF2	cg15463775	-0.104257915915223	475	-2.26780242709809	0.0237962983169882	0.0108697130309858	0.083052238199625
LUAD	MTF2	cg16813892	0.0273470639418394	475	0.591828792150018	0.554251021405787	0.000747861906239053	0.72601372323643
LUAD	MTF2	cg19708337	0.0250403829099994	475	0.541876217697387	0.588161670766056	0.000627020776279389	0.751765395234861
LUAD	MTF2	cg22801127	0.00714825542647474	475	0.154644359846474	0.877168365065047	5.10975556421256e-05	0.934939589130533
LUAD	MTF2	cg23992808	-0.00340210422389928	475	-0.0735991932737366	0.941360758713402	1.15743131502733e-05	0.968740700695069
LUAD	MTF2	cg26054395	-0.0264697058999214	540	-0.611314809520809	0.541251816834638	0.000700645330428336	0.716285789310591
LUAD	NAP1L2	cg02379437	-0.0623466324756703	472	-1.34705458900442	0.178618734447918	0.00388710258105631	0.355219229706053
LUAD	NAP1L2	cg04297329	-0.113313417692576	540	-2.63300178347302	0.00870901300771527	0.0128399306291722	0.0383228099961651
LUAD	NAP1L2	cg07693661	-0.0916200771186538	465	-1.969036973994	0.049551275900178	0.00839423853122807	0.143332786397652
LUAD	NAP1L2	cg20001978	-0.155911612649065	472	-3.40367953909335	0.000722365814987181	0.0243084309588321	0.0051192649660351
LUAD	NAP1L2	cg23483095	-0.180535224650666	475	-3.97082051670166	8.28941690262109e-05	0.0325929673396665	0.000818047568847527
LUAD	NCOA1	cg11380327	-0.263959475771914	475	-5.92028679523173	6.22359143852662e-09	0.0696746048497835	1.76958359783896e-07
LUAD	NCOA1	cg13911252	-0.0352518298487096	475	-0.763087969304753	0.445795406492627	0.00124269150768237	0.637724942584282
LUAD	NCOA1	cg15477048	-0.0611679409494386	474	-1.32433020824118	0.186041163501504	0.00374151699999401	0.36489640908242
LUAD	NCOA1	cg23006163	-0.254169565780568	475	-5.68523333806258	2.3021177894572e-08	0.0646021681690823	5.84691319990315e-07
LUAD	NCOA3	cg04175879	-0.0432818522393032	475	-0.937207881321891	0.34913502228401	0.00187331873326488	0.548204937138446
LUAD	NCOA3	cg09568061	0.019239513925936	475	0.416291377959483	0.67738764329975	0.000370158896106285	0.813564059760622
LUAD	NCOA3	cg12128876	0.194782742385238	540	4.58472269811888	5.66988853770299e-06	0.0379403167311138	7.95461332555574e-05
LUAD	NCOA3	cg14341558	0.0437094334740477	475	0.946484189846867	0.344390106128536	0.0019105145746222	0.543647326883857
LUAD	NCOA3	cg14774045	0.0683985073962273	475	1.48315939444263	0.138705158886311	0.00467835581403176	0.299318422479936
LUAD	NCOA3	cg18295930	0.00188453848808349	475	0.040768873291314	0.967497540518909	3.55148531306799e-06	0.982898960496999
LUAD	NCOA3	cg21735648	0.125447255467962	475	2.73544831924384	0.00646617414530837	0.015737013904444	0.030418428461034
LUAD	NCOA3	cg22511723	0.0564392377492498	475	1.2229166792507	0.2219766202877	0.00318538755771634	0.410430413049896
LUAD	NCOA3	cg22876277	0.0430109292114632	475	0.93133051564343	0.352162798029845	0.0018499400316335	0.551041951644986
LUAD	NCOA3	cg24856420	0.108990256188759	475	2.37194988037346	0.0180980711278161	0.0118788759440914	0.067425953992497
LUAD	NCOA3	cg25373408	0.026877899560796	475	0.581668012953873	0.561070380792994	0.00072242148480024	0.731586590460064
LUAD	NCOR1	cg00253204	0.143137131918579	475	3.12874673812115	0.0018651220366067	0.0204882385338767	0.0112308975471647
LUAD	NCOR1	cg08125503	-0.246343398685453	475	-5.49867742317434	6.30355310878869e-08	0.0606850700758998	1.4376388465116e-06
LUAD	NCOR1	cg08206308	-0.168116332705728	475	-3.68942330928383	0.000251174441497061	0.028263101322423	0.00210083480290532
LUAD	NCOR1	cg21211144	0.0737595424022231	475	1.60002124295784	0.110268682771581	0.00544047009538535	0.255441662424286
LUAD	NCOR1	cg22291359	-0.278257477156579	475	-6.26714080535863	8.35406054029048e-10	0.0774272235935438	2.81096793110449e-08
LUAD	NCOR1	cg22625220	-0.207846367088755	475	-4.59679151128068	5.52707771930163e-06	0.0432001123119934	7.77950939199116e-05
LUAD	NCOR2	cg08976554	-0.122089968817348	475	-2.66111757793618	0.0080558856262323	0.0149059604858209	0.0361189306902839
LUAD	NCOR2	cg10641483	-0.122709678243011	475	-2.67483096119017	0.00773852067743205	0.0150576651345033	0.0350352370121718
LUAD	NCOR2	cg13416396	-0.0225704469996651	475	-0.488397840705891	0.625496829072434	0.000509425077764691	0.778359145192606
LUAD	NCOR2	cg13419087	-0.157183000423461	475	-3.44318878674139	0.000626548804975788	0.0247064956221217	0.00453833684676783
LUAD	NCOR2	cg13857025	-0.0757826489698375	474	-1.6423998461946	0.101180310138434	0.00574300988488561	0.240254595168469

LUAD	NCOR2	cg16181859	-0.0206258393937802	475	-0.446300072961713	0.655586926236407	0.000425425250698014	0.799187706308326
LUAD	NCOR2	cg19895345	-0.0165954897201515	475	-0.359064783235614	0.719708563830979	0.000275410279051654	0.840966219785619
LUAD	NCOR2	cg23611643	-0.0026286617148384	475	-0.0568668440635672	0.954675536547305	6.90986241105715e-06	0.975952438830995
LUAD	NCOR2	cg24626542	-0.0055694162294382	475	-0.120486763405474	0.90414927316676	3.10183971367296e-05	0.949277114147549
LUAD	NCOR2	cg25113767	-0.135625950599007	475	-2.96140092489891	0.00321813801628028	0.0183943984758843	0.0174473363188033
LUAD	NCOR2	cg25449924	-0.0987680136088037	475	-2.1471774788452	0.0322922284164267	0.00975512051222884	0.104285840733426
LUAD	ORC1	cg00298020	-0.05039863603459	475	-1.09167652160652	0.275536989592502	0.00254002251414707	0.471931408374265
LUAD	ORC1	cg02275620	0.0368891712574459	475	0.79857833291836	0.424940013582566	0.00136081095606117	0.619814069872357
LUAD	ORC1	cg04407474	0.00231678548105126	475	0.0501198675863339	0.960048250741064	5.36749496520991e-06	0.979077549332088
LUAD	ORC1	cg07142859	0.0188637043165178	475	0.40815694456071	0.683345124565488	0.000355839340541012	0.817614560514513
LUAD	ORC1	cg08613513	0.0669047221172831	540	1.54808413979223	0.122195567346785	0.00447624184159087	0.274084766778417
LUAD	ORC1	cg10586599	0.0396935516439418	540	0.917119582310735	0.359494765089255	0.00157557804211028	0.558439313622387
LUAD	ORC1	cg13460942	-0.0233697869801675	475	-0.505703904703021	0.613302622674801	0.000546146943498408	0.76979727493728
LUAD	ORC1	cg16136434	0.0290257130798065	475	0.628186857863037	0.530187964072582	0.000842492019791249	0.7081411131586121
LUAD	ORC1	cg16965475	-0.0302805538209418	475	-0.655369063469663	0.512552176894187	0.000916911939702952	0.694393856872042
LUAD	ORC1	cg17146111	-0.219377659348518	474	-4.85916038224773	1.61212614898015e-06	0.0481265574212344	2.6095243785635e-05
LUAD	ORC1	cg19776520	-0.0265990326249594	475	-0.5756287231904	0.565142832325374	0.000707508536583656	0.734700718940415
LUAD	ORC1	cg21197365	-0.0797311425787691	475	-1.73035709343	0.0842257009992777	0.00635705509691601	0.210608922359867
LUAD	ORC1	cg23606758	0.0449481303642136	475	0.973360486564311	0.330876987193632	0.00202033442323834	0.530628220366147
LUAD	ORC1	cg25605769	-0.0375096363353681	475	-0.812028955196014	0.417187847466106	0.00140697281801157	0.612676723661147
LUAD	PADI1	cg14524955	-0.0608230180202513	475	-1.31824370196991	0.188066893157121	0.00369943952109182	0.367544487923053
LUAD	PADI1	cg21010178	0.102494362335464	475	2.22903107513836	0.0262858437159924	0.0105050943105534	0.0894523589694625
LUAD	PADI1	cg22193702	-0.0212066132723693	540	-0.48970281285356	0.624545695450252	0.000449720446483831	0.777623364786442
LUAD	PADI2	cg00569276	-0.0682350139298916	475	-1.47959758367437	0.139653471079648	0.0046560171260125	0.300805773712383
LUAD	PADI2	cg01603374	-0.128453883466399	475	-2.80209639459177	0.00528774326234719	0.0165004001775992	0.0259284399212756
LUAD	PADI2	cg07014827	-0.0927803529239046	475	-2.01584104700861	0.0443875799818653	0.0086081938886843	0.13224139847998
LUAD	PADI2	cg09313801	-0.0644057571716997	475	-1.39620837584472	0.163313646571941	0.00414810155685995	0.334284634568688
LUAD	PADI2	cg10233913	-0.157588633501776	475	-3.4523004134437	0.0006062770055224	0.0248341774089571	0.00441139888129169
LUAD	PADI2	cg15185794	-0.080614331911343	540	-1.86720343366144	0.0624218861033951	0.00649867050951218	0.169442346471528
LUAD	PADI2	cg17183414	-0.0545024377085763	475	-1.18082313399571	0.238272752722968	0.00297051571617724	0.429924400448349
LUAD	PADI2	cg18228326	-0.0636207689967757	475	-1.37912156660373	0.168515982693769	0.0040476022477411	0.341678804151351
LUAD	PADI2	cg18879300	0.0835194305363243	475	1.81313636432463	0.0704512685656349	0.0069754952771119	0.185239665623247
LUAD	PADI2	cg19282714	-0.0704077980863817	540	-1.62953427217437	0.103790781110349	0.00495725803137269	0.244623868443013
LUAD	PADI3	cg01459162	0.076033379365756	539	1.75881069062987	0.0791845435439313	0.00578107477777696	0.201487664948045
LUAD	PADI3	cg12858514	-0.236824851705119	539	-5.62233706940344	3.0452780680258e-08	0.0560860103851515	7.50647534930289e-07
LUAD	PADI3	cg14664242	-0.106346445035442	475	-2.31374630042303	0.0211140230337106	0.0113095663716762	0.0759171893087671
LUAD	PADI3	cg17589397	0.0490096394525908	475	1.06151622634988	0.289002838761222	0.00240194475927295	0.486553825104579
LUAD	PADI3	cg18768338	-0.126181077168662	475	-2.75170784217744	0.00615865532319096	0.0159216642354439	0.0292906053807127
LUAD	PADI3	cg21966975	-0.110174529245285	475	-2.39803812831398	0.0168738600723923	0.0121384268944202	0.0638682951623456
LUAD	PADI4	cg16091981	-0.0580256508418595	475	-1.25740536819377	0.209233985770731	0.00336697615562139	0.394642277740972
LUAD	PADI4	cg18333690	-0.0569584009377821	540	-1.31712508189568	0.188362660203195	0.00324425943738913	0.367927650796305
LUAD	PADI4	cg19159961	0.0643290354504821	475	1.39453826267959	0.163816717689337	0.00413822480198939	0.335005855154289
LUAD	PADI4	cg21295838	-0.0266934628100243	475	-0.577673738061161	0.563762229842211	0.000712540956790153	0.733620804060502
LUAD	PADI4	cg23228178	0.0546435337030336	540	1.26343159866626	0.206986461160161	0.00298591577555457	0.391821704289799
LUAD	PADI4	cg26918754	-0.0699807545205629	475	-1.51763591703377	0.129781396509616	0.00489730600326728	0.285744600234032
LUAD	PADI6	cg12643633	-0.0289719883815909	475	-0.627023147341739	0.530949823071926	0.000839376110783035	0.708704411929196
LUAD	PADI6	cg16017904	-0.0565794111424027	475	-1.22596367672202	0.22082887039292	0.00320122976522104	0.409066604994448
LUAD	PARP1	cg00653565	-0.0667915961987543	475	-1.44815695886828	0.148242755871836	0.00446111732277745	0.31322714298152
LUAD	PARP1	cg02088626	-0.200886276806349	475	-4.43626990340119	1.1422569395034e-05	0.0403552962091169	0.00014709713684
LUAD	PARP1	cg03149313	0.0547564179560356	475	1.1863422551147	0.236089072981982	0.00299826530737606	0.427371082046311
LUAD	PARP1	cg04960271	0.0872746797041727	540	2.02261014689897	0.0436121890844903	0.00761686971746594	0.130496043603171
LUAD	PARP1	cg07113065	-0.0321692955448935	475	-0.696288642632192	0.486593740587043	0.0010348635758547	0.673053550636784
LUAD	PARP1	cg17661881	0.0094461187241844	540	0.218090315608002	0.827442213828786	8.92291589513872e-05	0.907292853529911
LUAD	PARP1	cg25722198	-0.0149776978486527	475	-0.324053495221505	0.746042307408983	0.000224331432845535	0.857390425057606
LUAD	PARP1	cg26464410	0.0731259249669583	474	1.58450678010384	0.113755344989378	0.00534740090227322	0.26095951610803
LUAD	PARP2	cg01813761	-0.233245160531642	470	-5.16119376877356	3.64824383396056e-07	0.0544033049114316	6.93068329228639e-06
LUAD	PARP2	cg10910545	-0.140925224005926	473	-3.07282351402798	0.00224468895594949	0.0198599187611205	0.0130422983523142

LUAD	PARP2	cg15078479	-0.0495206951401173	540	-1.14467843465977	0.252856146566744	0.00245229924716044	0.446853548992415
LUAD	PARP2	cg15365367	-0.0404210025922792	474	-0.87421972152747	0.382447952046371	0.00163385745056504	0.580801858070031
LUAD	PARP2	cg18899035	-0.0735226985846233	444	-1.54112955759364	0.124009035392634	0.00540558720716537	0.276953809983237
LUAD	PARP2	cg19540080	0.0241865620860752	475	0.523388449514988	0.600951688112449	0.000584989785543569	0.760837737607328
LUAD	PARP2	cg24595957	-0.0108911108822089	540	-0.251455733693308	0.801558700239521	0.00011861629624857	0.891739183898286
LUAD	PARP2	cg26206608	-0.0265536214031933	475	-0.574645286539118	0.565807336736433	0.000705094809624125	0.735014358736497
LUAD	PARP2	cg26430074	-0.0997034434262008	474	-2.16539939419398	0.0308627180952923	0.00994077663104162	0.100779258949018
LUAD	PAXIP1	cg02824291	0.00666909775390999	475	0.144277852025765	0.885343174217055	4.44768648512073e-05	0.939227329742886
LUAD	PAXIP1	cg12220104	0.0271109334767939	475	0.586714822785794	0.557678149212681	0.000735002713983145	0.728861346703817
LUAD	PAXIP1	cg22583711	0.00267574993645161	475	0.0578855287972533	0.953864516730174	7.15963772242077e-06	0.975563901850235
LUAD	PAXIP1	cg24448952	-0.0120020602950417	475	-0.259662965657324	0.795237949444165	0.000144049451325817	0.887889936747109
LUAD	PAXIP1	cg24452135	-0.00807086909254198	475	-0.174605280997322	0.861465307070342	6.51389279089493e-05	0.926398133634958
LUAD	PCGF1	cg03203239	-0.110267441780603	475	-2.40008532632867	0.0167809535272277	0.0121589087168387	0.0636001899394499
LUAD	PCGF1	cg08092637	-0.0588164760992732	475	-1.27460149660417	0.203082808113401	0.00345937786073638	0.386908235358016
LUAD	PCGF1	cg27306986	0.041831037344567	475	0.905736492293744	0.365541398851845	0.00174983568532256	0.564448741212395
LUAD	PCGF2	cg09395368	-0.0055531931921209	475	-0.12018178645575	0.904390721407947	3.0861572738411e-05	0.949357680480391
LUAD	PCGF2	cg17902383	0.243822515485123	475	5.43883214953577	8.65717934587165e-08	0.0594494190574932	1.90678541911874e-06
LUAD	PCGF2	cg20228512	-0.0448195259578282	540	-1.03577996258997	0.300774499991027	0.00200878990708444	0.499081787690675
LUAD	PCGF2	cg25377665	0.00437452346261798	475	0.0946363174073081	0.924644206584994	1.91364555249952e-05	0.960229758073888
LUAD	PCGF5	cg03905463	0.0027288271040257	475	0.0590337760704816	0.952950403961707	7.44649736366531e-06	0.975149937858241
LUAD	PCGF5	cg06001881	0.0333467881622067	475	0.72180276450217	0.470776218610039	0.00111200828073509	0.659242631503571
LUAD	PCGF5	cg07421809	-0.0796285171838699	475	-1.72811565468006	0.0846271139127577	0.00634070074890186	0.211381656758037
LUAD	PCGF5	cg07424295	-0.028418513815174	475	-0.615034857305654	0.538830628875161	0.000807611927463235	0.714452350996731
LUAD	PCGF5	cg08633154	-0.164118269763377	540	-3.8410465031397	0.000137249816038704	0.0269348064701246	0.00126297754777797
LUAD	PCGF5	cg11113644	-0.0513363339263115	475	-1.11204101943554	0.266691430270995	0.00263541918099376	0.462410973020299
LUAD	PCGF5	cg12783297	-0.0578456773122658	475	-1.25349226022231	0.210652448778545	0.00334612238371479	0.39639948551449
LUAD	PCGF5	cg15550435	-0.190164536427234	471	-4.17240657511347	3.59892877262931e-05	0.036162550914585	0.000399678893558779
LUAD	PCGF5	cg17001035	-0.0998210384461538	540	-2.31611568261531	0.0209304274533688	0.00996423971646852	0.0754104146585481
LUAD	PCGF5	cg20515900	-0.0390225861596561	475	-0.844831095302107	0.398636826660241	0.00152276223058778	0.595219924631136
LUAD	PCGF5	cg22968329	0.0144658189259107	475	0.312976259680105	0.754438121568539	0.000209259917197236	0.86280921107466
LUAD	PCGF5	cg23395902	-0.054514275380081	475	-1.18108036755676	0.238170659680564	0.0029718062202153	0.429799188205941
LUAD	PCGF5	cg25390656	0.143493824064031	475	3.13670715799584	0.00181624488532844	0.020590477544519	0.0109886449908575
LUAD	PCGF6	cg01917164	-0.15713790283309	475	-3.44217588216773	0.000628841003508229	0.0246923205067816	0.00455154977920721
LUAD	PCGF6	cg06691148	-0.0114762576127025	475	-0.248285762351282	0.804022221662721	0.000131704488793112	0.893395215090994
LUAD	PCGF6	cg11612727	-0.160675407552271	475	-3.52169686909793	0.000470822385185639	0.0258165865920885	0.00356607503000016
LUAD	PCGF6	cg11814370	0.00675014186872082	475	0.146031222697509	0.883959617970215	4.55644152478578e-05	0.938500600772111
LUAD	PCGF6	cg14409890	-0.0592758957828608	475	-1.28459246822641	0.199570205329476	0.00351363182086057	0.382388723267931
LUAD	PCGF6	cg16113748	-0.145401795961604	475	-3.17930929394946	0.00157415090518541	0.0211416822688599	0.00978814607289534
LUAD	PCGF6	cg16382383	0.0148835023896984	475	0.322015054291677	0.747585075617651	0.000221518643384157	0.858350397706137
LUAD	PCGF6	cg24418712	-0.0439924342108737	475	-0.952624133184383	0.34127228431635	0.00193533426779805	0.540504453004812
LUAD	PCGF6	cg25481680	-0.0499669993725609	475	-1.08230340830207	0.279675064201576	0.0024967010262975	0.476741283267906
LUAD	PCGF6	cg26155979	-0.111198910662105	475	-2.42061247257955	0.015874006435409	0.0123651977324387	0.06094070551896
LUAD	PCGF6	cg27217148	0.1086186814292	540	2.5225818728956	0.011939658936453	0.011798017955418	0.0489503993308262
LUAD	PHC1	cg02770112	-0.173223207977158	475	-3.80491134764449	0.000160678340680219	0.0300062797818976	0.00144363896903171
LUAD	PHC1	cg08021945	-0.152404598784272	475	-3.33598593791611	0.000917619663049495	0.0232271617305949	0.00624707307843462
LUAD	PHC1	cg08867249	-0.112435882772203	474	-2.44526545083605	0.0148429255384116	0.0126418277347645	0.057885028540966
LUAD	PHC1	cg09059548	-0.121936913907407	540	-2.83629712830456	0.00473753959614823	0.0148686109732625	0.0237622279395716
LUAD	PHC1	cg09912793	-0.293622361946229	475	-6.6449210622144	8.45477119623986e-11	0.0862140914348821	3.42567953354315e-09
LUAD	PHC1	cg12581035	-0.00156741398810808	540	-0.0361866063659172	0.971147113795693	2.45678661011688e-06	0.98469523123108
LUAD	PHC1	cg14199415	-0.113656855905783	475	-2.47481034137028	0.0136839599755701	0.0129178808943878	0.0544238232279906
LUAD	PHC2	cg06899053	-0.0527697200425942	475	-1.1431763672724	0.253549812094067	0.00278464335337377	0.447563138921664
LUAD	PHC2	cg13640100	0.0732185820023303	475	1.58822303204266	0.112911242940631	0.00536096075043197	0.259845498560036
LUAD	PHC2	cg15586632	0.03515945953363	475	0.761085972988329	0.446989026706651	0.00123618759469697	0.638623436098229
LUAD	PHC2	cg16558908	-0.0935443006821945	475	-2.0325852818055	0.0426584770070556	0.00875053619012082	0.128348296731393
LUAD	PHC2	cg17161743	0.0468255274643931	475	1.01410342855053	0.311057390484178	0.00219263002231863	0.509955294515008
LUAD	PHC2	cg19746874	0.0951008217990413	475	2.0667124088244	0.0393107081569927	0.00904416630685302	0.120955800359761
LUAD	PHC2	cg21198021	0.05443927235012	540	1.25869473827705	0.20869163797003	0.00296363437401054	0.393899880427029

LUAD	PHC2	cg21578869	0.054326901704397	475	1.17700878094609	0.239790263748648	0.00295141224879922	0.431711265402969
LUAD	PHC2	cg23886755	0.109063618413679	540	2.53303931417622	0.0115934784267025	0.0118948728614846	0.0478513932898395
LUAD	PHF1	cg01097444	-0.0145420491420551	475	-0.314625891907323	0.75318593515248	0.000211471193249946	0.861920368332627
LUAD	PHF1	cg02776641	0.00680454258001581	475	0.147208171111028	0.883031105981112	4.63017997232482e-05	0.937877988980992
LUAD	PHF1	cg03560363	-0.095770287145914	475	-2.08139529846985	0.0379407408111431	0.00917194790001083	0.117770409012133
LUAD	PHF1	cg03876174	-0.0947260212059708	475	-2.0584934207991	0.0400958042015624	0.00897301909351402	0.122692561540981
LUAD	PHF1	cg06618123	-0.0671232471216472	475	-1.45538018673853	0.146234469238546	0.00450553030415372	0.310338193714717
LUAD	PHF1	cg06919790	-0.0158404022121386	475	-0.342723294877104	0.731960513985202	0.000250918342242325	0.848628686343535
LUAD	PHF1	cg07857404	-0.0807758147342686	467	-1.73812790885456	0.0828574418958764	0.00652473224598489	0.208103952826494
LUAD	PHF1	cg08665801	-0.0731298783012338	475	-1.58628856130942	0.113349264159354	0.00534797910035326	0.260475959472211
LUAD	PHF1	cg08798692	-0.0246234787573588	475	-0.532848853247165	0.59439112903512	0.000606315706114098	0.756042415428317
LUAD	PHF1	cg10033570	-0.148204259543464	474	-3.23848445957675	0.00128728384164713	0.0219645025468265	0.00827883024186749
LUAD	PHF1	cg10797813	-0.0950620229678341	475	-2.06586154963011	0.039391371833031	0.00903678821073701	0.121123018987305
LUAD	PHF1	cg13303256	-0.0261119116716893	540	-0.603045916400784	0.546734652738947	0.000681831931150102	0.720270199914881
LUAD	PHF1	cg13528777	-0.120288115652317	475	-2.62126273943341	0.00904564249459642	0.0144692307671851	0.0394931294857277
LUAD	PHF1	cg13547657	-0.100324025137335	475	-2.18134578713236	0.0296548143909313	0.0100649100197567	0.0978274374831696
LUAD	PHF1	cg18443095	-0.174527987610796	475	-3.83446825006801	0.000143054487221753	0.0304600184594742	0.00130726897438377
LUAD	PHF1	cg20135607	-0.0217388403360392	475	-0.47039418291701	0.6382925584108	0.000472577179155806	0.787302830283069
LUAD	PHF1	cg20872639	-0.0738525603371518	475	-1.60205008362382	0.109819242489927	0.00545420066835265	0.254635574208262
LUAD	PHF1	cg23345642	-0.0526861052119659	475	-1.14135993201386	0.254303842832632	0.00277582568240634	0.448428341666971
LUAD	PHF1	cg23718418	-0.0363033013273871	475	-0.785878523485808	0.432336360130579	0.00131792968726707	0.626092429201255
LUAD	PHF1	cg24796663	-0.0408185829369739	475	-0.883777525489867	0.377270094227903	0.00166615671298262	0.575804863753222
LUAD	PHF1	cg26673053	-0.0572046648192136	475	-1.23955592022323	0.215760904737616	0.00327237367707857	0.402921499427675
LUAD	PHF10	cg04353997	-0.163700309062497	474	-3.58596789197404	0.000371219257616341	0.026797791187157	0.00292027818050416
LUAD	PHF10	cg05243705	-0.083925008601488	475	-1.82200342531126	0.0690925653462619	0.00704340706875984	0.18260248581645
LUAD	PHF10	cg05736120	-0.115378818742739	475	-2.51280710558344	0.0123125746283257	0.0133122718144699	0.0501673089947087
LUAD	PHF10	cg07652237	-0.234874112291935	474	-5.22174669658871	2.67372415628584e-07	0.0551658486249243	5.25384432973228e-06
LUAD	PHF10	cg11442717	-0.149177194786194	540	-3.48299603594739	0.000536581551057889	0.0222538354442781	0.0039800557954803
LUAD	PHF10	cg15342139	-0.0821544079150534	475	-1.78329982478529	0.075185472605195	0.006749346739873	0.194234339184025
LUAD	PHF10	cg15360169	-0.0479802398051074	475	-1.03916811438986	0.299263128449555	0.00230210341175561	0.497582196601792
LUAD	PHF10	cg16740543	0.0625255248263585	540	1.44634380062038	0.148668577735205	0.00390944125481157	0.313820028662629
LUAD	PHF10	cg27124293	-0.101160396420631	475	-2.19971824820982	0.0283150676614671	0.0102334258039791	0.0945951375786382
LUAD	PHF11	cg00092518	-0.159661194146204	475	-3.4988838664333	0.000511866349997879	0.0254916969161917	0.0038229772303893
LUAD	PHF11	cg01214340	-0.160533703785566	475	-3.51850879795503	0.000476366970927748	0.0257710700511119	0.00359791185789837
LUAD	PHF11	cg02289189	-0.00072710789787330	475	-0.015729753009512	0.987456693836547	5.28685895149731e-07	0.993317463507084
LUAD	PHF11	cg05080330	-0.0600222597582172	475	-1.30082534895499	0.193958365615745	0.00360267166648289	0.375147238873008
LUAD	PHF11	cg09997676	-0.204457427613109	475	-4.5185425805446	7.89494906848725e-06	0.0418028397061695	0.000106325005329018
LUAD	PHF11	cg16956501	-0.142089301849091	475	-3.10536914426796	0.00201575426709694	0.0201893696999621	0.0119723306958726
LUAD	PHF11	cg21320768	-0.21914338229496	475	-4.85890319327077	1.61307544446774e-06	0.0480238220036751	2.61051781000465e-05
LUAD	PHF11	cg23137039	-0.0890861985324361	475	-1.93492254729269	0.0536020222827637	0.00793635076896062	0.151793371972819
LUAD	PHF11	cg24481868	-0.13842250034987	475	-3.02364434775579	0.00263469034379036	0.0191607886031098	0.0148448685887468
LUAD	PHF11	cg24984523	-0.179503946927039	475	-3.94738040965205	9.11495910513322e-05	0.0322216669623852	0.0008898094222923
LUAD	PHF11	cg25162948	-0.19981970717412	475	-4.4117340439871	1.27387153984678e-05	0.039927915375151	0.000161768792965785
LUAD	PHF12	cg01406758	-0.0581405153383057	475	-1.25990289517477	0.208332293060267	0.00338031952380376	0.393507560975342
LUAD	PHF12	cg02058367	-0.0582381954797327	475	-1.26202681799917	0.207567710475137	0.00339168741273555	0.392532485871492
LUAD	PHF12	cg06895197	0.0948061143877297	475	2.06024970681851	0.0399269280434947	0.0089881993252993	0.122304974453931
LUAD	PHF12	cg08657247	-0.0338785814237225	475	-0.733326736521171	0.463726340187531	0.0011477582792838	0.652955291653221
LUAD	PHF12	cg08806622	0.0666121180913277	474	1.44270437149851	0.149774128052666	0.00443717427661298	0.31530670088299
LUAD	PHF12	cg13564075	0.136064238920405	540	3.1707750414271	0.00160775620851333	0.018513477112989	0.00995741241487586
LUAD	PHF14	cg06715026	-0.0161107458709681	475	-0.348573962133008	0.727565931940312	0.000259556132518916	0.845934658138924
LUAD	PHF14	cg07287563	-0.0950598033716331	475	-2.06581287412551	0.0393959906580306	0.00903636621705354	0.121132433391994
LUAD	PHF14	cg07574654	-0.0550960636192253	475	-1.19372329082286	0.233190962848516	0.00303557622633372	0.423954307497859
LUAD	PHF14	cg11931558	-0.156009719827806	475	-3.41684374065535	0.00068877236599343	0.0243390326807505	0.00491990968175643
LUAD	PHF14	cg13029706	-0.116854615770671	475	-2.54539024197805	0.0112353326700901	0.0136550012269112	0.0466927437222603
LUAD	PHF14	cg16800461	-0.105890814095364	475	-2.30372062231716	0.0216756694184665	0.0112128645097789	0.0774426851630471
LUAD	PHF14	cg20819769	0.233378357408563	475	5.19212101007118	3.10638198315719e-07	0.0544654577067189	6.00840079556763e-06
LUAD	PHF14	cg20964328	0.0295979563739838	475	0.640582345175849	0.522107592131771	0.000876039021516249	0.701972624432675

LUAD	PHF14	cg22876561	-0.121229490905984	475	-2.64208152899511	0.00851580590085172	0.0146965894653241	0.0376986629631172
LUAD	PHF14	cg23083824	-0.162243021786633	475	-3.55698023821045	0.000413361384089354	0.0263227981184578	0.00319056316650622
LUAD	PHF14	cg24491907	0.0641344309475086	475	1.39030213504739	0.16509797659732	0.00411322523296075	0.337023590002675
LUAD	PHF19	cg11054680	-0.0960237548993926	456	-2.04870045040174	0.0410696645667429	0.00922056150497862	0.124774407767914
LUAD	PHF19	cg11594303	-0.0898435985481037	475	-1.95150632113596	0.0515930010620674	0.00807187220007282	0.147635765637551
LUAD	PHF19	cg13501527	-0.204126214918605	475	-4.51090419510466	8.17233966966245e-06	0.0416675116169967	0.000109387300802085
LUAD	PHF19	cg13793166	-0.122938337910021	374	-2.37639280175404	0.0179938209742422	0.0151138349280785	0.0671219996328994
LUAD	PHF19	cg13851767	0.310128279803287	475	7.05705033359956	6.16568622681943e-12	0.0961795499337458	3.04735320412446e-10
LUAD	PHF19	cg13852822	0.314561242442818	475	7.16891444366486	2.96630430062391e-12	0.0989487752471693	1.55814096396176e-10
LUAD	PHF19	cg14218513	-0.149699256690561	475	-3.27539865090192	0.00113343982563088	0.0224098674537066	0.00744845563398621
LUAD	PHF19	cg27207079	0.279951853486577	475	6.30853749333166	6.53357756220718e-10	0.0783730402705697	2.23220523879818e-08
LUAD	PHF20	cg01512265	-0.174340814595489	475	-3.83022698282723	0.000145466059609582	0.0303947196338187	0.00132603546300303
LUAD	PHF20	cg02674305	-0.13210123527244	475	-2.88305307807204	0.00411976395257969	0.0174507363605046	0.0212443932736964
LUAD	PHF20	cg02957488	-0.140352189646674	475	-3.06663676480023	0.00229016947496285	0.0196987371386158	0.0132669181722586
LUAD	PHF20	cg04179482	0.103446056483604	475	2.2499512063679	0.0249158447398613	0.0107010866020089	0.0859786739572733
LUAD	PHF20	cg09692677	-0.0611537499129004	467	-1.31406126659169	0.189480491216938	0.00373978112840957	0.369397687793968
LUAD	PHF20	cg10372813	-0.0865449012757739	475	-1.8793037145208	0.0608241719457671	0.00749001993683346	0.16627572583713
LUAD	PHF20	cg21765224	-0.049009014596318	475	-1.0615026597927	0.289008994321638	0.00240188351170211	0.486553825104579
LUAD	PHF20	cg23538717	-0.0350711683512898	475	-0.759172404377266	0.448131627833767	0.00122998684952451	0.639586692639479
LUAD	PHF20	cg23734815	-0.059767506223521	475	-1.2952843976864	0.195860704913918	0.00357215480017862	0.377709164057346
LUAD	PHF20	cg25561939	0.0189041540864563	475	0.409032475161672	0.682702946085948	0.000357367041724483	0.817114313412379
LUAD	PHF20	cg27405321	-0.102785613481668	472	-2.2282563277823	0.0263408779536266	0.0105648823388029	0.0895965309573008
LUAD	PHF20L1	cg02898212	0.205586079273859	475	4.54458358558147	7.01554449120848e-06	0.0422656359911976	9.56336362741519e-05
LUAD	PHF20L1	cg05307234	-0.211592513580694	475	-4.68348964026553	3.7010859480403e-06	0.0447713918033961	5.45307348942892e-05
LUAD	PHF20L1	cg10591701	-0.130132305569579	475	-2.83933610486129	0.00471754398533151	0.0169344169528544	0.0236802566005213
LUAD	PHF20L1	cg17646969	-0.0561321232393329	475	-1.21624107839732	0.224506169192037	0.00315081525935565	0.41373082214728
LUAD	PHF20L1	cg24511731	0.01273306177055	475	0.275480575501049	0.783068635159389	0.000162130862052641	0.880271115758963
LUAD	PHF20L1	cg26292018	0.140283782835386	475	3.06511209235703	0.0023016430716535	0.0196795397266058	0.0133204895935287
LUAD	PHF20L1	cg27342122	0.0536668176197753	540	1.24078279115933	0.215231856198345	0.00288012731343423	0.402261844635164
LUAD	PHF21B	cg01775414	-0.112369054288178	540	-2.610777631263189	0.00928799434436689	0.0126268043616195	0.0402647106172013
LUAD	PHF21B	cg01995480	-0.101104636214891	475	-2.19849322474453	0.028402741598002	0.0102221474641454	0.0947889528560601
LUAD	PHF21B	cg05064352	-0.0846139134835227	540	-1.96049458658522	0.0504584593653487	0.00715951435499707	0.145254787887357
LUAD	PHF21B	cg10080155	-0.0819835545115447	475	-1.77956604179722	0.0757958502754617	0.00672130321034742	0.195375145497761
LUAD	PHF21B	cg11428482	-0.0834602339489413	475	-1.8118422387904	0.0706513945331539	0.00696561065081202	0.185621566575892
LUAD	PHF21B	cg14786713	-0.080213523172129	475	-1.74089349928449	0.0823594317734378	0.00643420929968568	0.207247926100043
LUAD	PHF21B	cg15679813	-0.0865620180086444	475	-1.87967820643767	0.0607729650505139	0.00749298296172887	0.166182693532114
LUAD	PHF21B	cg20495645	-0.0917398068784779	475	-1.99304009151179	0.0468372433590262	0.00841619216610042	0.137579538962094
LUAD	PHF21B	cg20525183	-0.0534102001088357	475	-1.15709085673999	0.24782548013045	0.00285264947566587	0.441191208889714
LUAD	PHF21B	cg21715212	-0.114047343092059	475	-2.48342482225568	0.0133617002823714	0.0130067964663579	0.0534344374526704
LUAD	PHF21B	cg23080354	-0.0746064680629494	475	-1.6184953357128	0.106229588290263	0.0055661250768279	0.248646786359752
LUAD	PHF21B	cg25561581	-0.0802365417875704	475	-1.74139631447517	0.0822712178943523	0.00643790263802853	0.207115769549716
LUAD	PHF21B	cg25976257	-0.0900606759694036	475	-1.95626000275321	0.0510289169569042	0.00811092535606591	0.146441772382522
LUAD	PHF23	cg00039960	-0.0207408652691637	475	-0.448790060774292	0.653790837719765	0.0004301834921136	0.797969883422313
LUAD	PHF23	cg01441172	-0.0575139522757766	475	-1.2462799878805	0.213285087447542	0.00330785470638031	0.399689256206347
LUAD	PHF23	cg04379155	-0.0735641953026999	475	-1.59576060835931	0.111217267123508	0.00541169083053377	0.256919945320293
LUAD	PHF23	cg11180288	-0.0318680192138096	475	-0.689761003423209	0.490686369230398	0.00101557064861174	0.676468755567342
LUAD	PHF23	cg13351208	-0.0618563190691007	475	-1.34072418114624	0.180660421803163	0.00382620420877839	0.357770456781693
LUAD	PHF23	cg22033559	-0.071462490843251	475	-1.54993278207985	0.121833593355706	0.00510688759752174	0.273556803230115
LUAD	PHF23	cg26213471	-0.0378023640203188	475	-0.818375116586452	0.41355951543055	0.00142901872552469	0.609153629525783
LUAD	PHF23	cg26784276	0.016740880651085	475	0.362211381213072	0.717357574690847	0.000280257084973871	0.839455402839652
LUAD	PHIP	cg01492710	0.0723791987923643	475	1.56991908054299	0.117109763230339	0.00523874841782459	0.266269322620879
LUAD	PHIP	cg04480383	-0.0752101351480089	475	-1.63166534686036	0.103422679824893	0.00565656442898177	0.243926265895516
LUAD	PHIP	cg05801338	-0.11379396606629	475	-2.47783497605097	0.0135700350468813	0.012949066713096	0.0540896298835417
LUAD	PHIP	cg06848288	0.126354258785769	540	2.94068363121665	0.00341712246056378	0.0159653987133011	0.0182874557224345
LUAD	PHIP	cg08287994	-0.0740747155155114	475	-1.60689574368798	0.108751680833273	0.00548706347870394	0.252906500620102
LUAD	PHIP	cg08587415	-0.0616281526919295	475	-1.33575982780617	0.182277000069611	0.00379802920421977	0.359945600797444
LUAD	PHIP	cg15564972	-0.0210146296632608	475	-0.454716364508465	0.649524150203643	0.000441614659884003	0.795021201923006

LUAD	PHIP	cg19494004	-0.10016356448444	475	-2.17782150380403	0.0299179688405541	0.0100327396502286	0.0984639937981815
LUAD	PHIP	cg19950079	0.133215731684887	475	2.90781406782435	0.00381261296439096	0.0177464311683399	0.0199833355782003
LUAD	PHIP	cg21607066	0.126616101035056	540	2.94687675401554	0.00335051558037664	0.0160316370413195	0.0179944556988371
LUAD	PHIP	cg21875336	-0.0709319859091923	475	-1.53836838604316	0.124634374998091	0.00503134662502186	0.277848652240987
LUAD	PHIP	cg26363168	-0.0250325876682996	475	-0.541707422152288	0.588277872289972	0.000626630445371105	0.751827451445288
LUAD	PHRF1	cg06063517	-0.101729694418699	475	-2.21222663742701	0.0274331595637005	0.0103489307265219	0.0923468288662275
LUAD	PHRF1	cg07530960	-0.0795013349105352	475	-1.72533794647096	0.0851267186608757	0.00632046225255708	0.212241136834311
LUAD	PHRF1	cg08482978	-0.10435806936551	475	-2.27000492483577	0.023661248409026	0.0108906066416965	0.0827282318531133
LUAD	PHRF1	cg12469954	-0.128472191088313	474	-2.79950673150238	0.00533008499784236	0.016505103883032	0.0260900165055149
LUAD	PHRF1	cg12813709	-0.124256530574068	475	-2.70907473884318	0.00699454335371247	0.0154396853903042	0.032371557240687
LUAD	PHRF1	cg15219216	-0.10939665462383	475	-2.38090123817204	0.0176695008792717	0.0119676280428855	0.0662002095647303
LUAD	PHRF1	cg16143007	-0.117977543115708	475	-2.57019404463343	0.0104724321778175	0.0139187006796186	0.0441783194426079
LUAD	PHRF1	cg18793109	-0.179084605267519	475	-3.93785296426251	9.4722897210453e-05	0.0320712958438232	0.000920533799574014
LUAD	PHRF1	cg20152424	-0.103087080078428	475	-2.24205946018307	0.025425188777384	0.0106269460790963	0.0873141365712184
LUAD	PHRF1	cg21006161	-0.124332060852142	475	-2.71074731819726	0.00695991357664085	0.0154584613557408	0.0322669557080571
LUAD	PPARGC	cg04893087	-0.0275375228903067	540	-0.635994271910145	0.525053145204408	0.000758315166934164	0.704107572323037
LUAD	PPARGC	cg05158538	-0.165105924025771	536	-3.85754962458029	0.000128598457334901	0.0272599661484037	0.00119476521102237
LUAD	PPARGC	cg11270806	-0.228691990816922	475	-5.08204431186843	5.40677697897576e-07	0.0523000266638074	9.91314655438228e-06
LUAD	PPARGC	cg12691631	-0.228330198352216	475	-5.07356190106443	5.64037116652301e-07	0.0521346794795625	1.02905026859402e-05
LUAD	PPARGC	cg20723350	-0.181990159201291	475	-4.00391304280742	7.24381628352073e-05	0.0331204180461112	0.00072978447375942
LUAD	PPARGC	cg27461259	-0.192722088510125	475	-4.24886814699218	2.59370303258239e-05	0.0371418033997044	0.000300483296674184
LUAD	PPARGC	cg27514608	-0.268824670432494	475	-6.03782437967866	3.1840829882464e-09	0.072266703433139	9.55274014607174e-08
LUAD	PRDM1	cg00555933	-0.00687263979655703	475	-0.148363406960356	0.882120154292148	4.72331777732195e-05	0.93743555955236
LUAD	PRDM1	cg01761420	0.028691094592746	475	0.620938900740421	0.534942114667808	0.000823178908929898	0.711518377589719
LUAD	PRDM1	cg05170275	-0.0555001719383787	475	-1.20250574333956	0.229775682470525	0.0030802690851896	0.419873895444022
LUAD	PRDM1	cg08742502	-0.0488704369189432	475	-1.05849396355387	0.290376320957587	0.0023883196046484	0.487978972664578
LUAD	PRDM1	cg14359052	-0.057320804790564	475	-1.24208082057375	0.214828807013699	0.00328567466183795	0.401749854872081
LUAD	PRDM1	cg17143179	-0.0203662722145725	474	-0.440210170972053	0.659988566459845	0.000414785043918066	0.802199124090702
LUAD	PRDM1	cg17521665	-0.0276354710760025	475	-0.598075072264407	0.55007915095765	0.000763719261592572	0.722766859823997
LUAD	PRDM1	cg17965230	0.00246485496049209	540	0.0569057685254163	0.954641585060932	6.07550997626246e-06	0.97594295618398
LUAD	PRDM1	cg19464016	0.148904543558352	540	3.47648567902368	0.000549480219958903	0.0221725630923212	0.00406178869550388
LUAD	PRDM1	cg22186515	0.161358436913155	475	3.53706689864106	0.000444928680589992	0.0260365451630565	0.00339874133717772
LUAD	PRDM1	cg22196848	-0.0329929980736556	475	-0.714136465858813	0.475498813597935	0.00108853792188824	0.663276935718805
LUAD	PRDM1	cg24040346	0.258466063310661	475	5.78815542840584	1.30522960070313e-08	0.0668047058833109	3.48094040305448e-07
LUAD	PRDM1	cg24793124	-0.0896471662648893	475	-1.94303983075328	0.0526131956192166	0.00803661441932471	0.149739918782518
LUAD	PRDM1	cg24874254	-0.0494286298378529	475	-1.07061341164492	0.284895115083928	0.00244318944764748	0.482139499421624
LUAD	PRDM1	cg26351406	-0.105094970395834	475	-2.28621243759568	0.0226878160475601	0.0110449528025013	0.0800946863971726
LUAD	PRDM10	cg04181189	-0.169613451350082	475	-3.7232473412356	0.00022063175771858	0.0287687228788868	0.00188503726523839
LUAD	PRDM10	cg17627813	0.0304900116673746	475	0.659906612118691	0.509638385427869	0.00092964081147664	0.692092455117765
LUAD	PRDM12	cg09191327	0.142353617733418	540	3.32030288269056	0.000960743599304802	0.0202645524817922	0.00649349153469311
LUAD	PRDM12	cg12539975	0.16132436043636	540	3.77389466539326	0.000178756518011641	0.0260255492702007	0.00158006869244377
LUAD	PRDM12	cg13795948	0.16546039404645	475	3.62948281864301	0.000315287678070658	0.0273771419980064	0.00254857539773782
LUAD	PRDM12	cg13928649	0.110788210908058	475	2.41156092775465	0.0162684590349944	0.0122740276762083	0.062090394062128
LUAD	PRDM12	cg23342516	0.150795437917234	474	3.29641148069695	0.00105391794657448	0.0227392640966504	0.00701475810539142
LUAD	PRDM13	cg00126261	0.270958960011269	475	6.089542857014	2.36293718850879e-09	0.0734187580103886	7.29743293540504e-08
LUAD	PRDM13	cg00579292	0.11604826633733	475	2.52758528791144	0.0118131028239446	0.0134672001198999	0.0485723319812868
LUAD	PRDM13	cg01422797	0.155019877203429	475	3.39462917602519	0.000745679092308827	0.0240311623281663	0.00525685177227665
LUAD	PRDM13	cg01815538	0.0107588590430825	475	0.232763179585544	0.816047066048966	0.000115753047908918	0.900987304232377
LUAD	PRDM13	cg02400433	0.00472962125226312	475	0.102318496035199	0.918547699539671	2.23693171898589e-05	0.957015813384617
LUAD	PRDM13	cg03120185	0.150121260626845	475	3.28484461637717	0.00109695141303301	0.0225363928921931	0.00724908581596075
LUAD	PRDM13	cg04910970	0.115112081460843	475	2.5069197976121	0.0125167242621699	0.0132507912982478	0.050810167358132
LUAD	PRDM13	cg11809464	0.124836700450868	475	2.72192353351987	0.00673245467008854	0.0155842017794598	0.0314108539405583
LUAD	PRDM13	cg13738144	-0.1311563334071	475	-2.8620687252789	0.00439752035216897	0.0172019837927944	0.0223961177267845
LUAD	PRDM13	cg14344102	0.0507620708053043	475	1.09956908674282	0.272085212794463	0.00257678783244272	0.468478495326304
LUAD	PRDM13	cg17879189	0.0826064743817549	475	1.79317992465862	0.0735897318879752	0.00682382960978353	0.191216794231375
LUAD	PRDM13	cg17978124	0.212949026141548	475	4.71493684030865	3.19509725487802e-06	0.0453472877346338	4.77904286755913e-05
LUAD	PRDM13	cg25273233	0.0481402693387545	475	1.04264211187995	0.297652364404363	0.00231748553200783	0.495783492912387

LUAD	PRDM13	cg25924096	0.0780820162579235	475	1.69434521954528	0.0908649883943426	0.00609680126290263	0.222322720778408
LUAD	PRDM13	cg26507427	0.1395587760905	475	3.0489556621117	0.00242651196182461	0.0194766519838784	0.0138922631408731
LUAD	PRDM14	cg00384539	-0.0439474452247367	475	-0.95164804328135	0.341766720669495	0.00193137794178123	0.540933048519109
LUAD	PRDM14	cg01295203	0.0251770471424669	540	0.581441582102162	0.561188684290089	0.000633883702814002	0.731691625141005
LUAD	PRDM14	cg04838988	0.0734545777406235	475	1.59336986608294	0.111752363451404	0.0053955749910533	0.257758045610131
LUAD	PRDM14	cg09050331	0.0505750266533419	475	1.09550707045215	0.273857990528182	0.00255783332098624	0.470246297652563
LUAD	PRDM14	cg10457247	-0.0805945017361796	540	-1.8667411203185	0.0624865759635811	0.00649547371010305	0.169582441671405
LUAD	PRDM14	cg11229513	0.0731689454338207	475	1.58714054166355	0.113156185481734	0.00535369457589743	0.260237324788515
LUAD	PRDM14	cg13267264	-0.0620935877156584	475	-1.34588680185663	0.178990635514718	0.00385561363540216	0.35574457556617
LUAD	PRDM14	cg18035229	0.0133696591728739	475	0.289255803172253	0.772513722799524	0.000178747786398812	0.873882980245255
LUAD	PRDM14	cg21255438	-0.0510636581197398	475	-1.10611886819213	0.269243334420104	0.00260749718056967	0.465218132018692
LUAD	PRDM14	cg27029821	-0.0234099153234569	475	-0.506572726380787	0.612693216032727	0.00054802413545142	0.769330256606407
LUAD	PRDM4	cg00090609	0.0318476117709838	475	0.689318849979119	0.490964255448754	0.0010142703755153	0.67667198087273
LUAD	PRDM4	cg03909902	-0.0177892592426315	475	-0.384901425448465	0.700485305843977	0.00031645774440155	0.828459094863346
LUAD	PRDM4	cg12900929	-0.160387651188204	475	-3.51522311991179	0.000482145205782989	0.0257241986536689	0.0036327364783227
LUAD	PRDM4	cg18440127	-0.0872188763463088	475	-1.89405068537539	0.0588346279618389	0.00760713239111271	0.162298537203053
LUAD	PRDM4	cg25995916	0.0620899022125849	539	1.43487988122756	0.151908926494907	0.00385515595676836	0.318457784947358
LUAD	PRDM4	cg27140793	0.0606686052636581	475	1.31488466792961	0.189192598922451	0.00368067966463756	0.369002884234397
LUAD	PRDM5	cg05713693	-0.203671445058682	475	-4.50041898269503	8.56837213345915e-06	0.0414820575322916	0.000114216576722125
LUAD	PRDM5	cg06329345	-0.216572825217068	475	-4.79908582688837	2.14728684847538e-06	0.0469037886225027	3.3597351788072e-05
LUAD	PRDM5	cg07070341	-0.176198747968101	475	-3.8723460816174	0.00012313029449252	0.0310459987855263	0.0011518516269542
LUAD	PRDM5	cg10416963	-0.274908949147518	475	-6.18551617504984	1.35122404203245e-09	0.0755749303213924	4.36714263090455e-08
LUAD	PRDM5	cg11171429	-0.116318630539543	475	-2.5335546174617	0.0116165181529082	0.0135300238105946	0.0479185223600052
LUAD	PRDM5	cg13155001	-0.237035892672958	475	-5.2782971447346	1.99918971195708e-07	0.0561860144152662	4.05752581403572e-06
LUAD	PRDM5	cg18181323	-0.222547839746965	475	-4.93828943952357	1.09849685836849e-06	0.0495275409760407	1.85936607049431e-05
LUAD	PRDM5	cg19294653	-0.256043313864041	475	-5.73007402287973	1.79971046771833e-08	0.0655581785744799	4.67000253921546e-07
LUAD	PRDM5	cg22135105	-0.276813279136996	475	-6.23190651212948	1.02875180341591e-09	0.0766255915065764	3.39725450494267e-08
LUAD	PRDM8	cg01304890	-0.0797404403839591	475	-1.73056016930123	0.0841894092202689	0.00635853783262773	0.210556176328507
LUAD	PRDM8	cg02895669	0.0611606311246492	475	1.32558833517605	0.185622788828389	0.00374062279956541	0.364378986477812
LUAD	PRDM8	cg04343891	-0.0577916303940792	475	-1.25231715900117	0.211079770876065	0.00333987254360585	0.396952636051263
LUAD	PRDM8	cg05007549	0.178674679716312	475	3.92854159616688	9.83430923274162e-05	0.0319246411717268	0.000950491057835634
LUAD	PRDM8	cg07462804	0.0232928108655307	475	0.504037296090766	0.614472361441792	0.000542555038017384	0.770718328458842
LUAD	PRDM8	cg08074201	-0.0839161483992728	475	-1.82180970699888	0.0691220164690431	0.00704191996216877	0.182658315472426
LUAD	PRDM8	cg10695325	-0.0508080813787604	475	-1.1005683108245	0.271650333858842	0.00258146113339074	0.467953190261619
LUAD	PRDM8	cg11571772	0.00887286903084992	475	0.191957061835012	0.847859098814119	7.87278048386155e-05	0.918837291000497
LUAD	PRDM8	cg12572049	-0.058194373493273	475	-1.26107396356089	0.207910471841396	0.00338658510627455	0.392968421157694
LUAD	PRDM8	cg14489346	-0.00175791647177795	475	-0.0380296066227966	0.969680292778794	3.09027032174823e-06	0.984061878304425
LUAD	PRDM8	cg15656813	0.034479386277421	475	0.746346942050057	0.455832601269258	0.00118882807806761	0.646099231017192
LUAD	PRDM8	cg16117799	0.0528358298881966	475	1.14461254409147	0.252954739146897	0.00279162491997444	0.446961205105814
LUAD	PRDM8	cg18624348	-0.0169892117217029	475	-0.367585896550266	0.713348207018981	0.000288633314924848	0.836915372169358
LUAD	PRDM8	cg19595012	-0.144029992481916	475	-3.14867536006793	0.00174497856134117	0.0207446387343408	0.0106386255643398
LUAD	PRDM8	cg20142271	-0.120816717269521	475	-2.63295203192915	0.00874462534753784	0.0145966791717834	0.0384512426117092
LUAD	PRDM8	cg26162932	-0.127781929573021	475	-2.78719441200763	0.00553290409039398	0.0163282215254044	0.026893267154521
LUAD	PRKAA1	cg00301775	-0.0927815364421106	475	-2.0158669846185	0.0443848563056243	0.00860841350455871	0.132238689537326
LUAD	PRKAA1	cg01883943	-0.272259914621128	474	-6.11457214561522	2.04694301963667e-09	0.0741254611095036	6.38491921690517e-08
LUAD	PRKAA1	cg03125217	0.136800879649774	475	2.98754270161484	0.00296003181101305	0.0187144806729519	0.0162886549272087
LUAD	PRKAA1	cg05874655	0.166956610847696	475	3.66324007160313	0.000277503840621832	0.027874509905749	0.00228881825459445
LUAD	PRKAA1	cg06971720	0.0437296743915285	475	0.946923326287791	0.344166511984564	0.0019122844223891	0.543446833490827
LUAD	PRKAA1	cg10786880	0.0643272466844694	540	1.48819207042612	0.137291629266301	0.00413799466600458	0.297203914768181
LUAD	PRKAA1	cg24728477	0.0147832273069994	475	0.319845056421651	0.749228526222438	0.000218543809610411	0.859515778460278
LUAD	PRKCD	cg02121118	0.084140038356132	475	1.82670494154665	0.0683809560133921	0.00707954605457136	0.18127268084597
LUAD	PRKCD	cg02559423	0.0403382124561557	475	0.873359802550067	0.382914892265172	0.00162717138415795	0.581159278320557
LUAD	PRKCD	cg02630105	0.11767484339487	540	2.73574216815552	0.00643143588214529	0.0138473687680071	0.0302880607683287
LUAD	PRKCD	cg10531918	-0.296062312411803	475	-6.70542028251975	5.80132654303846e-11	0.0876528928306238	2.40185416226255e-09
LUAD	PRKCD	cg13469346	0.0825594545984955	475	1.79215223599473	0.0737544089473604	0.00681606354360104	0.191497579922934
LUAD	PRKCD	cg13889007	-0.342347994624301	475	-7.88242924781385	2.2748442221423e-14	0.11720214942328	1.6325574853998e-12
LUAD	PRKCD	cg13908523	0.0694156094784433	539	1.60495114205764	0.109097979044534	0.00481852683926374	0.253439088085

LUAD	PRKCD	cg14727059	0.104513752889996	475	2.27342873595428	0.0234526361813186	0.0109231245431512	0.0821306861065793
LUAD	PRKCD	cg21903826	0.11278151496403	475	2.4555037876966	0.0144313294921627	0.0127196701175818	0.056689095461185
LUAD	PRMT1	cg07702240	0.0263077745912752	475	0.569321228820827	0.569411302075731	0.000692099003945343	0.737640425525869
LUAD	PRMT1	cg08377944	-0.114435292429539	475	-2.49198447083421	0.013048175202456	0.0130954361534341	0.0524719432256327
LUAD	PRMT1	cg11787855	-0.161068919473596	475	-3.53055132830737	0.000455738176131623	0.0259431968203917	0.00346938992797568
LUAD	PRMT1	cg14258555	-0.060537435803265	475	-1.31203133380195	0.190152738268422	0.00366478113363443	0.370262952496884
LUAD	PRMT1	cg14576628	-0.138246602834703	540	-3.22261473953732	0.00134791032044257	0.019112123195336	0.00860490197509514
LUAD	PRMT1	cg18880319	-0.0523484137193073	475	-1.13402422036371	0.257364930448248	0.00274035641892776	0.451839213723252
LUAD	PRMT1	cg22292364	-0.0566997508767697	475	-1.22857960111565	0.219846908740385	0.00321486174948774	0.407927548980335
LUAD	PRMT1	cg24228123	-0.0973463782482629	475	-2.11597383449152	0.0348745021705322	0.00947631735805387	0.110564309310228
LUAD	PRMT1	cg25595446	-0.0955613410962613	540	-2.2163478985857	0.0270891655577045	0.009131969912116	0.0914817913438125
LUAD	PRMT1	cg26846726	-0.0347313395246229	474	-0.751003687258945	0.453028692095496	0.00120626594517463	0.643400651250128
LUAD	PRMT2	cg04493422	-0.0189225904406336	475	-0.409431528585934	0.682410327375934	0.000358064428983957	0.816930767694869
LUAD	PRMT2	cg06725035	-0.197118360994492	531	-4.60254892610773	5.24209787632657e-06	0.0388556482411549	7.41731106203982e-05
LUAD	PRMT2	cg09031657	-0.113038011322833	475	-2.46116047936229	0.0142087007757335	0.0127775920038209	0.0559615060827972
LUAD	PRMT2	cg10187059	-0.13819042764611	475	-3.01847627122626	0.00267915996560065	0.0190965942930148	0.015046674773067
LUAD	PRMT2	cg10657630	-0.131523439481425	475	-2.87022045996737	0.00428765898801009	0.017298415133024	0.0219542752334536
LUAD	PRMT2	cg12162201	-0.0862020848887721	475	-1.87180368920857	0.0618572770403324	0.00743079943917107	0.168362081382535
LUAD	PRMT2	cg13271076	-0.0610722735336503	540	-1.41259975680152	0.15835706769034	0.003729822594569	0.327473609715897
LUAD	PRMT2	cg17243659	-0.115962127694474	475	-2.52568356578832	0.0118763499466895	0.0134472150594294	0.048767947624849
LUAD	PRMT2	cg23283320	-0.182082607198171	474	-4.00173447026438	7.31091465837547e-05	0.0331540758440834	0.000735858836762403
LUAD	PRMT3	cg01769160	0.136709937403092	475	2.98551880994338	0.00297931619702352	0.0186896069847573	0.0163716129286747
LUAD	PRMT3	cg04101203	0.0285001224635858	475	0.616802469340885	0.537664956944031	0.000812256980439389	0.713530540587394
LUAD	PRMT3	cg06578097	0.0132068093181428	475	0.285731888828926	0.775209901251557	0.000174419812365783	0.875473925378238
LUAD	PRMT3	cg13432154	0.0648822702489465	474	1.40507832411903	0.160662827115357	0.00420970899265733	0.330611045666954
LUAD	PRMT3	cg13982511	0.0246508786801128	475	0.533442144306963	0.593980792743474	0.000607665819701638	0.755738871018528
LUAD	PRMT3	cg19653624	0.0373747937630076	475	0.809105719279728	0.418865481950195	0.00139687520882735	0.614305591691976
LUAD	PRMT3	cg23019633	0.0608611094618586	475	1.3190723427243	0.18778995655991	0.00370407464492834	0.367187751485992
LUAD	PRMT3	cg23071995	0.13069469267845	475	2.85181951145515	0.00453927967265349	0.0170811026943144	0.0229431932153584
LUAD	PRMT6	cg00944433	-0.266875323995629	475	-5.99067126885603	4.17161964914234e-09	0.071222438557772	1.22740914896134e-07
LUAD	PRMT6	cg02990361	-0.472032915942435	475	-11.583319250887	1.87132637669274e-27	0.222815073733117	4.47932197379801e-25
LUAD	PRMT6	cg02993280	-0.39107008844732	475	-9.19219790716368	1.26407701864458e-18	0.152935814078194	1.45685344575462e-16
LUAD	PRMT6	cg09367891	-0.372803584977509	475	-8.69154575070109	6.05840891035178e-17	0.138982512972083	5.96592231356843e-15
LUAD	PRMT6	cg14671364	-0.424087245163461	475	-10.130514220077	6.11004034930059e-22	0.179849991510334	9.54466825167652e-20
LUAD	PRMT6	cg14828511	-0.403099069918488	475	-9.52882665429166	8.63639884908051e-20	0.16248886016915	1.13107746138951e-17
LUAD	PRMT6	cg22528358	0.0264693526483444	475	0.572802350968014	0.567041435153041	0.000700626629622418	0.735823508992298
LUAD	PRMT7	cg00894222	-0.12729877109978	475	-2.77648177532238	0.00571545254595129	0.0162049771235141	0.0275955649791685
LUAD	PRMT7	cg02477175	-0.0471700402970781	475	-1.02158114214407	0.307506966410686	0.00222501270162797	0.506011442274154
LUAD	PRMT7	cg06089844	-0.0348853522361239	475	-0.755145198634013	0.450541721298523	0.00121698780063844	0.641311519729548
LUAD	PRMT7	cg06092312	-0.0280868115267241	475	-0.607850439224812	0.54358151875949	0.000788868981737724	0.717866818381106
LUAD	PRMT7	cg06745885	-0.0621740654410629	475	-1.34763793211012	0.178426877208271	0.00386561441346957	0.355012071410433
LUAD	PRMT7	cg09175928	-0.142091011906564	475	-3.10540728777091	0.00201549962110394	0.0201898556646314	0.011971732268776
LUAD	PRMT7	cg09779635	0.0330740880319918	475	0.715893585184109	0.4744140951154	0.00109389529914794	0.66232202349851
LUAD	PRMT7	cg10233539	-0.00628675386818426	475	-0.136005968294906	0.891875044181784	3.95232741991298e-05	0.942722997731972
LUAD	PRMT7	cg10446007	0.0056220917682136	475	0.121626363067063	0.903247138484139	3.16079158502151e-05	0.948758505509675
LUAD	PRMT7	cg11893236	-0.0948746989739693	540	-2.2002774763142	0.0282155039040893	0.00900120850540129	0.0943394898661075
LUAD	PRMT7	cg19328639	-0.0160396172319659	475	-0.34703461776378	0.728721307724596	0.000257269320947976	0.846589092679946
LUAD	PRMT7	cg21918026	-0.0244211533628	540	-0.563974306847967	0.573008836253309	0.000596392731569399	0.740500505124587
LUAD	PRMT7	cg26492318	-0.0808574326436703	475	-1.75496002201104	0.0799204605892322	0.00653792441372569	0.202895679635764
LUAD	PRMT7	cg26561196	0.00675945279565059	475	0.146232662630894	0.883800687652186	4.56902020966285e-05	0.938431062699232
LUAD	PRMT7	cg26796563	-0.0454641556673098	475	-0.984558128710697	0.325349883407367	0.00206698945054138	0.524823896794683
LUAD	PRMT8	cg01693063	0.257279259561294	475	5.75968924231203	1.52829796026011e-08	0.0661926174004077	4.02207075509051e-07
LUAD	PRMT8	cg06029846	0.139141859271339	475	3.03966713577183	0.00250108683883475	0.0193604570014852	0.0142447872860612
LUAD	PRMT8	cg07912789	0.0340190237798664	475	0.736370229245178	0.461874355305964	0.00115729397893511	0.651444151074628
LUAD	PRMT8	cg10350722	-0.331581844574536	474	-7.59523353826829	1.69012818417601e-13	0.109946519651451	1.08126506545879e-11
LUAD	PRMT8	cg11596580	0.101555660760654	475	2.20840260663346	0.0277002163289925	0.010313552232533	0.0930535340543884
LUAD	PRMT8	cg19656577	0.0799322416275621	475	1.73474945349084	0.0834435689058395	0.00638916325160698	0.209116970538653

LUAD	PRMT8	cg21667836	0.467572575788151	540	12.2118829536024	2.05522972503137e-30	0.218624113629166	5.77200509852313e-28
LUAD	PRMT8	cg23739862	0.0529200194809638	540	1.22346790215204	0.221693626421782	0.00280052846186559	0.410189891160806
LUAD	PRMT8	cg24100636	0.0636266360400732	475	1.37924926474964	0.168476645637876	0.00404834881377594	0.341625757089871
LUAD	PRMT8	cg27316886	0.000140383208961632	475	0.00303695317867734	0.997578159742315	1.97074453583653e-08	0.998822257182302
LUAD	PWWP2E	cg00259755	-0.189624027633082	540	-4.45870592993465	1.00597878941048e-05	0.0359572718557918	0.000131572148526226
LUAD	PWWP2E	cg05010219	-0.115721189669803	475	-2.52036457368262	0.0120548504233636	0.0133913937385945	0.0493186975458926
LUAD	PWWP2E	cg15012692	-0.143605759790298	475	-3.13920552278834	0.0018011500669431	0.0206226142449488	0.0109126688713218
LUAD	PWWP2E	cg15278699	-0.375847726990539	474	-8.76475750266094	3.49225052044983e-17	0.141261513883954	3.5466858614605e-15
LUAD	PWWP2E	cg17803807	-0.0425976837943368	65	-0.338415811001023	0.736175117094931	0.00181456266464231	0.851193589062202
LUAD	PWWP2E	cg19919881	-0.162060932000494	475	-3.55288040440067	0.00041968382195658	0.0262637456808687	0.00323192271285787
LUAD	PWWP2E	cg22633292	-0.150610319992601	475	-3.29579382166937	0.00105602113455366	0.0226834684882737	0.00702591363120116
LUAD	PWWP2E	cg22664157	-0.154603203930704	475	-3.38528111431703	0.000770908740942122	0.0239021506656389	0.00539851243071846
LUAD	PWWP2E	cg24520806	-0.0756903390174264	475	-1.64214308831888	0.101232083776857	0.00572902742057295	0.240348187918478
LUAD	PYGO1	cg06364757	-0.331265756925774	475	-7.59521915903432	1.68460246460876e-13	0.109737001711606	1.07861698873888e-11
LUAD	PYGO1	cg09275667	-0.230246059314986	475	-5.11850557586822	4.50494317445141e-07	0.0530132478300803	8.39821589535761e-06
LUAD	PYGO1	cg11480800	-0.224053830530932	475	-4.97346704214766	9.2500187407491e-07	0.0502001189755836	1.59981315677598e-05
LUAD	PYGO1	cg12686317	-0.177803127276317	475	-3.90875149128303	0.000106477212656695	0.0316139520692381	0.00101660386369844
LUAD	PYGO1	cg13878116	0.0201269067890804	475	0.435499784423477	0.663400477432281	0.00040509237689633	0.804347675499022
LUAD	PYGO1	cg17841803	-0.233431941481696	475	-5.19338182449145	3.08655014502591e-07	0.0544904713039137	5.97598511652926e-06
LUAD	PYGO1	cg19850348	-0.196217503106349	540	-4.61984070112104	4.82097232579233e-06	0.03850130852529	6.89416766751266e-05
LUAD	PYGO1	cg22510134	0.0435056384905527	475	0.942062824629012	0.34664650273352	0.00189274058047066	0.54598353785207
LUAD	PYGO1	cg23030278	-0.22168073413223	475	-4.91805209363565	1.2121264649975e-06	0.0491423478854045	2.02962045238948e-05
LUAD	PYGO1	cg23412777	-0.069219907743743	540	-1.60190796044609	0.109768417178084	0.00479139562805229	0.254593609193282
LUAD	PYGO1	cg25902187	-0.185799354277782	475	-4.09068276379112	5.06409689690943e-05	0.0345214000500406	0.000535922124878482
LUAD	PYGO2	cg01277844	0.0581667867033975	540	1.34516207218171	0.179144937143539	0.00338337507539854	0.355897829414984
LUAD	PYGO2	cg02341811	-0.0882414309311369	475	-1.9164297924353	0.0559191729604396	0.00778655013277461	0.156368660721942
LUAD	PYGO2	cg04602755	-0.0764444214868812	475	-1.6585990077742	0.0978666295275065	0.00584374957646394	0.234439738893354
LUAD	PYGO2	cg10892866	-0.0231784730983594	540	-0.535260406342815	0.592693047656623	0.000537241615171369	0.754940040104778
LUAD	PYGO2	cg14024356	0.024709736368005	475	0.534716595035599	0.593099787672305	0.000610571071376311	0.755258042981629
LUAD	PYGO2	cg18188585	-0.0621472048925622	475	-1.34705346535432	0.178614892688417	0.00386227507595811	0.355219229706053
LUAD	PYGO2	cg24683561	-0.019305305116624	475	-0.417715452362469	0.676346748291137	0.00037269480564595	0.813022116278196
LUAD	PYGO2	cg27105205	-0.0534384388881712	475	-1.15770437970318	0.247575186397022	0.00285566675080481	0.440870394418577
LUAD	RBBP4	cg05797186	-0.099123623578171	475	-2.15498487255813	0.0316724400488669	0.00982549275126694	0.102744914772593
LUAD	RBBP4	cg06526778	0.0220898902235882	475	0.477994027212885	0.632877643573894	0.000487963250090179	0.783632829378422
LUAD	RBBP4	cg09036220	-0.0198634876127119	475	-0.429797737046249	0.667540598167542	0.00039455814014036	0.807165496735092
LUAD	RBBP4	cg11229946	0.147507690846161	475	3.22637284430127	0.00134157417779695	0.0217585188587667	0.00857078275334941
LUAD	RBBP4	cg13641837	0.00225593246099249	474	0.048751236885922	0.961138385620114	5.08923126855963e-06	0.979649907904868
LUAD	RBBP4	cg16148416	-0.0490316335288745	475	-1.06199375118884	0.288786227647721	0.00240410108650985	0.48630508027852
LUAD	RBBP4	cg16396527	-0.0651531502854388	475	-1.41247927289021	0.158473515621427	0.00424493299211697	0.327618620097085
LUAD	RBBP4	cg18758482	0.0151991516611786	540	0.350940202976603	0.725771875985828	0.000231014211219509	0.844646589197349
LUAD	RBBP4	cg20740619	0.152065667724888	475	3.32839125736805	0.000942405481741318	0.0231239673006159	0.00638841861681632
LUAD	RBBP4	cg22358606	0.111709642769773	475	2.43187041516785	0.0153951922897723	0.0124790442877502	0.0595877202343672
LUAD	RBBP4	cg22857567	0.00535365468810892	475	0.115818918725355	0.90784573516705	2.86616185195106e-05	0.951139363010053
LUAD	RBBP4	cg23016766	-0.0148396712365579	475	-0.321066527240989	0.748303302677235	0.000220215842409124	0.85885965075941
LUAD	RBBP4	cg26131911	-0.0926799144192372	539	-2.14691424558609	0.0322514664726526	0.00858956653675713	0.104187302371925
LUAD	RBBP5	cg00960017	-0.0360451043534911	475	-0.780281887051589	0.435619428346403	0.00129924954785406	0.628788900803044
LUAD	RBBP5	cg02189925	0.223525302817157	475	4.96111720081027	9.82658169058551e-07	0.0499635609995019	1.68529342159923e-05
LUAD	RBBP5	cg03143531	-0.121171043192178	475	-2.64078873063704	0.00854787841800357	0.0146824217082806	0.0378083723931186
LUAD	RBBP5	cg05290904	-0.0354951313693726	540	-0.819985456383435	0.412590931338645	0.00125990435092902	0.608247866414985
LUAD	RBBP5	cg07601985	0.236406579635986	475	5.26345293136596	2.15779077893959e-07	0.0558880708951856	4.33735948034781e-06
LUAD	RBBP5	cg07972983	0.118276260663139	475	2.57679395260845	0.0102773841765763	0.0139892738364548	0.0435372916920375
LUAD	RBBP5	cg14717946	-0.0214280160981591	540	-0.494817780220455	0.620932653849548	0.000459159873902965	0.775333614808606
LUAD	RBBP5	cg18131828	-0.110229201816404	475	-2.39924275438864	0.016819136683945	0.0121504769330814	0.063710761999845
LUAD	RBBP5	cg21214746	0.0141699489292591	474	0.306245933128905	0.759553883741489	0.00020078745265781	0.866160872302344
LUAD	RBBP5	cg23227967	0.0477861240619018	475	1.03495426482111	0.30122475187758	0.00228351365285947	0.499589654757893
LUAD	RBBP5	cg24103461	-0.156260449523745	475	-3.42247241907397	0.000675016719872724	0.0244173280853628	0.00483226748005693
LUAD	RBBP5	cg26795850	-0.0843604587654314	475	-1.83152458847085	0.0676577518192598	0.00711668700311406	0.17985750909211

LUAD	RBBP7	cg01947226	-0.122468569526247	475	-2.66664160475292	0.00792723706315334	0.0149985505218052	0.035680318355913
LUAD	RBBP7	cg03048084	-0.0969401992569894	475	-2.10706097376084	0.0356438124722289	0.00939740223198481	0.112371322234745
LUAD	RBBP7	cg03171708	-0.0949048031508943	475	-2.06241381290397	0.0397196707578391	0.00900692166111	0.121881984337935
LUAD	RBBP7	cg03811055	-0.0973921345231821	475	-2.11697793970425	0.0347887312931937	0.0094852278669816	0.110346349271088
LUAD	RBBP7	cg07096248	-0.100963191617976	475	-2.19538585249073	0.0286261867894963	0.0101935660616881	0.0953088835516786
LUAD	RBBP7	cg08363715	-0.124399797002319	475	-2.71224734128465	0.00692898796328836	0.0154753094942181	0.0321523226731914
LUAD	RBBP7	cg14719055	-0.209570300191208	540	-4.94818761115719	1.00607237124927e-06	0.0439197107222329	1.71900711726259e-05
LUAD	RBBP7	cg15289846	-0.10643084278957	475	-2.31560354557726	0.0210113868001961	0.0113275242968981	0.0756448308484569
LUAD	RBBP7	cg15464143	-0.100089667769538	475	-2.17619852838916	0.0300398303661029	0.0100179415942165	0.0987918843189716
LUAD	RBBP7	cg16978043	-0.090193152407033	475	-1.95916118323816	0.0506872080640234	0.00813480474111828	0.14577303749104
LUAD	RBBP7	cg17878446	-0.110357305546203	475	-2.40206540955456	0.0166915217050009	0.012178734887418	0.0633352960452074
LUAD	RBBP7	cg17880859	-0.118956970980494	540	-2.76597498994149	0.00587217579528452	0.0141507609448541	0.028187569484236
LUAD	RBBP7	cg21122900	-0.0464493942624627	475	-1.00593980314315	0.314964342225423	0.0021575462273497	0.514063780611878
LUAD	RING1	cg01241018	-0.0898248053646169	475	-1.95109479079184	0.0516420795862198	0.00806849565879131	0.147738165679785
LUAD	RING1	cg01878788	-0.12455906581962	475	-2.71577451524159	0.00685675645846728	0.0155149608778563	0.0318856185026005
LUAD	RING1	cg02475416	-0.144262740378458	475	-3.15387157453598	0.00171484755893334	0.0208117382615023	0.0104919269366622
LUAD	RING1	cg03037740	0.00534720436307518	475	0.115679370867207	0.907956274224588	2.85925945004902e-05	0.951183691386546
LUAD	RING1	cg06316695	-0.121663049079122	475	-2.65167222485236	0.00828122545594835	0.0148018975112289	0.0368974600870588
LUAD	RING1	cg06671577	-0.110616112187021	475	-2.40776836050456	0.0164362856232398	0.0122359242753717	0.0625919541526876
LUAD	RING1	cg07946923	-0.106282140797798	475	-2.31233126433019	0.0211925154871478	0.011295893452563	0.0761184980750348
LUAD	RING1	cg08892712	-0.092585144546668	475	-2.01156303994275	0.0448387485290408	0.0085720089907274	0.133213122133595
LUAD	RING1	cg09478665	-0.0705825612384387	475	-1.53075204833134	0.126506321246418	0.00498189795097796	0.280790686040795
LUAD	RING1	cg09724776	-0.0852323582589446	475	-1.850591943951	0.0648582546068578	0.00726455489438109	0.174292136477457
LUAD	RING1	cg09832551	-0.0688245515231062	475	-1.49244160572789	0.136257203054545	0.0047368188923567	0.295634998031663
LUAD	RING1	cg09869033	-0.0773243453862402	475	-1.67780471561274	0.0940528645118057	0.00597905438941057	0.227921890904972
LUAD	RING1	cg10265934	-0.04291279230238	475	-0.929201598332486	0.353263630147442	0.0018415077431872	0.552298582184207
LUAD	RING1	cg12065531	-0.0333307379758479	475	-0.721454966191214	0.470989905497448	0.00111093809401463	0.659375696592795
LUAD	RING1	cg12115664	-0.065498930651375	475	-1.42000778639211	0.156271206965977	0.00429010991647363	0.3246293178108
LUAD	RING1	cg12256228	-0.0476429946938238	540	-1.10117440810317	0.271317789748539	0.00226985494339572	0.467618497811061
LUAD	RING1	cg14046664	-0.0462240412248868	475	-1.00104892824434	0.317320450970878	0.00213666198716003	0.516549204432646
LUAD	RING1	cg14363494	-0.0204308000526731	540	-0.471780121700456	0.637276810451091	0.000417417590792306	0.78662402128338
LUAD	RING1	cg18189601	-0.100630396283739	538	-2.33070114453311	0.0201426618499541	0.0101264766562225	0.0732403942956452
LUAD	RING1	cg20505183	-0.0770228232476395	475	-1.67122308403317	0.0953461145941855	0.00593251530103712	0.230172462306833
LUAD	RING1	cg24536938	-0.0547558385643903	475	-1.18632966437448	0.236094038383709	0.00299820185688958	0.427371082046311
LUAD	RING1	cg24550302	-0.09627229086841	475	-2.09240724488587	0.0369402088773167	0.00926835398905173	0.11543388670022
LUAD	RNF17	cg00202166	-0.686022395905667	475	-20.3976537476995	1.22892108996194e-66	0.470626727684152	1.29192820638512e-63
LUAD	RNF17	cg01405147	-0.0686391051729595	475	-1.48840119083522	0.137318619908776	0.0047113267589446	0.297242810970194
LUAD	RNF17	cg07131398	-0.351797880601437	448	-7.89226046244741	2.36970183541614e-14	0.123761748795663	1.69750077886154e-12
LUAD	RNF17	cg12020676	-0.246587951470862	475	-5.5044893548418	6.11135775467725e-08	0.0608056178105964	1.39790345535831e-06
LUAD	RNF17	cg14855529	-0.225749584638614	475	-5.01312213601383	7.61124811355258e-07	0.0509628749645069	1.3397063784649e-05
LUAD	RNF17	cg15523998	-0.30941810813507	475	-7.03917704631941	6.92462470386447e-12	0.0957395656418856	3.39014634494923e-10
LUAD	RNF17	cg17806989	-0.713465014903012	540	-23.5076836719455	2.23778159681865e-84	0.509032327490556	4.14490432245023e-81
LUAD	RNF17	cg20477497	-0.312973674292853	475	-7.12879352903622	3.86034865648597e-12	0.097952520800369	1.9848774843534e-10
LUAD	RNF17	cg21831927	-0.24825492465281	475	-5.54413579362469	4.94415753213851e-08	0.0616305076143724	1.15670039730379e-06
LUAD	RNF17	cg23678722	-0.248384439361235	475	-5.54721829674405	4.86309861625258e-08	0.0616948297167952	1.14020462252186e-06
LUAD	RNF17	cg24753530	-0.364092331891241	475	-8.45698468589403	3.52513412990285e-16	0.132563226142001	3.16667765013467e-14
LUAD	RNF20	cg04845236	-0.036442818729299	475	-0.788902745953431	0.430568306062003	0.00132807903693654	0.624557267285478
LUAD	RNF20	cg14625770	0.070941943899457	475	1.53858544663794	0.124581345112215	0.00503275940423371	0.277738391221082
LUAD	RNF20	cg21219529	0.157226704503903	475	3.44417041376264	0.000624334830237382	0.0247202366091576	0.00452567124333646
LUAD	RNF217	cg00991794	-0.269894401290903	475	-6.06373423500825	2.7428550272787e-09	0.0728429878481749	8.36119373009873e-08
LUAD	RNF217	cg02312409	-0.278154272786999	475	-6.26462138993083	8.47961444710026e-10	0.077369799469664	2.84705708371911e-08
LUAD	RNF217	cg03113502	-0.277676882088791	475	-6.25297043055688	9.08465769067681e-10	0.0771044508465525	3.02982416121211e-08
LUAD	RNF217	cg06993703	-0.262066580685321	475	-5.87468853260939	8.04834443438233e-09	0.0686788927120958	2.24493691978608e-07
LUAD	RNF217	cg07439975	-0.25111423745194	475	-5.612262720913	3.4250009018093e-08	0.0630583602510693	8.30562718688755e-07
LUAD	RNF217	cg10621825	-0.285703495468807	475	-6.44954096572645	2.80128868629035e-10	0.0816264873230948	1.02606955830578e-08
LUAD	RNF217	cg16203203	-0.337836041230992	475	-7.76505776384237	5.1903069486443e-14	0.114133190754628	3.55122901286574e-12
LUAD	RNF217	cg17382198	-0.290149264873649	475	-6.55904942147058	1.43638486175345e-10	0.0841865959067192	5.56484680952428e-09

LUAD	RNF217	cg18192252	-0.302326150478839	475	-6.86139683264379	2.16999947219306e-11	0.0914011012633538	9.6464536537021e-10
LUAD	RNF217	cg19171596	-0.282184603878242	475	-6.36318541061763	4.71385252994515e-10	0.0796281506659205	1.64961513141949e-08
LUAD	RNF217	cg19478500	-0.274137700801525	475	-6.16675066562252	1.5080884009264e-09	0.0751514790007465	4.82799296550074e-08
LUAD	RNF217	cg20034100	0.199592411354545	540	4.70256899312076	3.27644173522396e-06	0.039837130670322	4.89133579639249e-05
LUAD	RNF217	cg23521835	-0.326554537527794	475	-7.47420282517247	3.85167257760678e-13	0.106637865979991	2.30667449193489e-11
LUAD	RNF217	cg24822696	-0.23625284063832	474	-5.25420512964175	2.26465436492259e-07	0.0558154047096756	4.52779546812613e-06
LUAD	RPA3	cg26322315	-0.182468488918018	65	-1.47302837089954	0.145722275633745	0.0332947494480248	0.309665681104886
LUAD	RPH3A	cg00851732	-0.027074172822957	475	-0.585918691864725	0.558212605731458	0.000733010834047341	0.729319592408896
LUAD	RPH3A	cg00854817	0.016186670078085	475	0.350217096569934	0.726333340327794	0.000262008288216771	0.844988423470322
LUAD	RPH3A	cg01119407	-0.0329895426659432	475	-0.71406159175182	0.47554506575846	0.00108830992530809	0.663329559190504
LUAD	RPH3A	cg01573562	0.0177819645196063	540	0.410593449351547	0.681535674133944	0.000316198262176536	0.816298228411818
LUAD	RPH3A	cg05967001	-0.0855228748708202	475	-1.85694612919955	0.0639468952223722	0.00731416212616998	0.172456658355724
LUAD	RPH3A	cg08254200	-0.00781214779339988	475	-0.169007753964627	0.865863563868475	6.10296531459226e-05	0.92874776887639
LUAD	RPH3A	cg09384610	0.0184772858505678	475	0.399793061912892	0.689491341549117	0.000341410092403593	0.821501377245218
LUAD	RPH3A	cg11596863	0.00241019580446903	475	0.0521406587854333	0.958438863572639	5.80904381588013e-06	0.978144668843607
LUAD	RPH3A	cg16403344	-0.0411706494852946	475	-0.891413129593713	0.373165637151896	0.00169502237904098	0.571738997077195
LUAD	RPH3A	cg17453780	-0.068052122152177	475	-1.47561331006865	0.140720184833361	0.00463109132941482	0.302383395269079
LUAD	RPH3A	cg18629535	-0.0296792542358494	475	-0.642343406823661	0.520964765284037	0.000880858131996185	0.701140149031883
LUAD	RPH3A	cg19712198	-0.036731814612371	475	-0.795167257468508	0.426919299284502	0.00134922620471759	0.621314774732266
LUAD	RPH3A	cg20704159	-0.0397251889690237	475	-0.860066133635745	0.390192950288585	0.00157809063862464	0.587609794890859
LUAD	RPH3A	cg21900624	0.0120282758533225	475	0.260230217726908	0.794800648177237	0.000144679420003621	0.887607258459661
LUAD	RPH3A	cg23199238	0.253870849515769	468	5.63546675570871	3.04406039746702e-08	0.0644504082338582	7.50585212553246e-07
LUAD	RPH3A	cg23549179	-0.0206788367102611	475	-0.447447314116391	0.654759144346569	0.000427614287689642	0.79865052016835
LUAD	RPH3A	cg23596620	0.090916773200819	475	1.97501004111055	0.0488542592244701	0.00826585964924916	0.141828124122418
LUAD	RTF1	cg04910470	-0.103959942476398	475	-2.26125003633518	0.024202043130289	0.0108076696396959	0.0841124795960375
LUAD	RTF1	cg07091958	0.034597608956245	540	0.799226305998122	0.424515210702169	0.00119699454548924	0.619415115563143
LUAD	RTF1	cg07129439	0.180785270015329	475	3.97650588086547	8.1001445558353e-05	0.0326833138545154	0.000802756343504631
LUAD	RTF1	cg15581235	0.162618845548718	475	3.56544326059034	0.000400591588214789	0.0264448889275978	0.00310797068052072
LUAD	RTF1	cg18782716	0.157147928783435	475	3.44240106592568	0.000628330738128193	0.0246954715209237	0.00454954965021823
LUAD	RTF1	cg22263512	0.119098144443457	475	2.59495643710486	0.00975726622526862	0.0141843680098747	0.0417821747524934
LUAD	RTF1	cg24280607	0.126278064318724	475	2.75385716040285	0.00611900922835504	0.0159461495280837	0.0291358920253796
LUAD	RTF1	cg27576415	0.145737239788485	475	3.18680297946822	0.0015347835598276	0.0212393430611663	0.00957857619360034
LUAD	SATB1	cg01069104	-0.280301380908813	475	-6.3170850231659	6.20926596510308e-10	0.0785688641393875	2.12888336927822e-08
LUAD	SATB1	cg01373248	0.416282973573073	475	9.90456432588329	4.01194511122345e-21	0.17329151408684	5.8228592907186e-19
LUAD	SATB1	cg04004754	-0.146229872292287	475	-3.19781023569705	0.00147860516773911	0.0213831755506187	0.00928982477944567
LUAD	SATB1	cg14415616	-0.42706054741118	475	-10.217315747465	2.94449816888714e-22	0.182380711155137	4.74253189545354e-20
LUAD	SATB1	cg19818826	-0.279788595640711	475	-6.30454603192055	6.69064508988485e-10	0.0782816582506015	2.27986002681779e-08
LUAD	SATB1	cg26131754	-0.301062508315135	475	-6.82985293857386	2.65122187105099e-11	0.0906386339130008	1.16327780167253e-09
LUAD	SATB1	cg26768584	0.312045622039068	475	7.10537056952054	4.49979286918715e-12	0.097372470233749	2.27901618792673e-10
LUAD	SCML2	cg00457389	-0.0674029190863684	475	-1.46147170967984	0.144557122266749	0.00454315350136353	0.307940435653207
LUAD	SCML2	cg04189389	-0.111790362212452	475	-2.43364987238366	0.0153206885780487	0.0124970850835913	0.0593525047179285
LUAD	SCML2	cg05049545	-0.103312129870688	475	-2.24700685663225	0.0251048309311558	0.0106733961784179	0.0865003639586472
LUAD	SCML2	cg06131666	-0.0789578079772696	475	-1.71346806962624	0.0872886826233952	0.00623433544057537	0.216073305629058
LUAD	SCML2	cg08300622	-0.113803370782463	540	-2.64453561033233	0.00842148594948294	0.0129512072014508	0.0373704339714834
LUAD	SCML2	cg17710066	-0.0488681767057638	475	-1.05844489198203	0.29039865806912	0.00238809869454575	0.487985164830525
LUAD	SCML2	cg17727916	-0.107901854029997	475	-2.34798258060209	0.0192908389557707	0.0116428101031108	0.0707749257557643
LUAD	SCML2	cg22823767	-0.106120869025562	475	-2.3087825544925	0.0213904860548918	0.0112616388427404	0.0766596707124085
LUAD	SCML2	cg26246138	-0.106736875205838	540	-2.47837029821535	0.0135069035724008	0.0113927605287067	0.0538904532009103
LUAD	SCML4	cg00977377	0.0432157836043786	475	0.935774578693241	0.349871867156082	0.00186760395254048	0.548925702515736
LUAD	SCML4	cg03500965	-0.278456837426882	462	-6.18428352071708	1.390089053316e-09	0.0775382103097808	4.47972609004412e-08
LUAD	SCML4	cg05603896	-0.269305797925371	475	-6.04947473768263	2.97771463618266e-09	0.0725256127962207	8.97861753516256e-08
LUAD	SCML4	cg08792995	-0.131614401355696	475	-2.87224048976106	0.00426082379499315	0.0173223506442182	0.0218471026580907
LUAD	SCML4	cg17388996	-0.117699831224599	475	-2.56405887336257	0.0106567017562378	0.0138532502702992	0.0447905049664898
LUAD	SCML4	cg23503775	-0.256144747176579	475	-5.7325033905232	1.77578391897594e-08	0.0656101315061537	4.615614239653e-07
LUAD	SCML4	cg27353361	-0.119608350077838	475	-2.60623398914905	0.00944627867377837	0.0143061574083426	0.0407442782849809
LUAD	SCML4	cg27659622	-0.125346717741122	475	-2.73322102849707	0.00650936141397919	0.0157117996484725	0.0305938413387565
LUAD	SETD1A	cg26692825	-0.20614926902926	475	-4.55758494914896	6.61245703044495e-06	0.0424975211212984	9.0933265375073e-05

LUAD	SETD6	cg01152986	-0.132563833801742	475	-2.89332936539732	0.00398965437717555	0.017573170032216	0.0207038338081512
LUAD	SETD6	cg01472538	-0.168283412147579	475	-3.69319678655492	0.00024757962284117	0.0283193068040318	0.00207454120236588
LUAD	SETD6	cg01773760	-0.155318888692609	475	-3.40133864017619	0.00072804735349293	0.0241239571847071	0.0051530994284077
LUAD	SETD6	cg02549819	-0.231210020453114	472	-5.12463809663703	4.37871558922248e-07	0.0534580735579292	8.19234729552606e-06
LUAD	SETD6	cg05502081	-0.158397393862439	475	-3.4704727333514	0.000567662261891139	0.0250897343824126	0.00417358642865128
LUAD	SETD6	cg09132913	-0.1661621388471	475	-3.64531217693708	0.000297005400594158	0.0276098563862429	0.00242421971816409
LUAD	SETD6	cg19824325	-0.212568954283143	540	-5.02231503758768	6.9751804893819e-07	0.045185560325029	1.24227836765333e-05
LUAD	SETD6	cg26666090	-0.199841373841252	475	-4.41223231108726	1.27105988453382e-05	0.039936574698759	0.00016151720460213
LUAD	SETD7	cg05316864	0.0380482552855892	475	0.823706055347638	0.410526156882739	0.00144766973027737	0.606396381888425
LUAD	SETDB1	cg02060408	-0.136820450169621	475	-2.98797824756584	0.00295589673803932	0.0187198355846176	0.0162670508516575
LUAD	SETDB1	cg08531528	-0.0418281682856449	475	-0.905674261802376	0.365574311329587	0.00174959566213223	0.564465950331934
LUAD	SETDB1	cg10589385	-0.25726083068572	475	-5.75924743540403	1.53203730350726e-08	0.0661831350051068	4.0291855980069e-07
LUAD	SETDB1	cg10961700	-0.183731648438546	475	-4.04355904674936	6.15573214879954e-05	0.0337573186379456	0.000636891909540778
LUAD	SETDB1	cg12082615	0.0747489765458304	540	1.73055556416377	0.084109846232983	0.0055874094946491	0.210427444214462
LUAD	SETDB1	cg15448220	-0.178004313853485	475	-3.91331893512942	0.000104545235612002	0.0316855357504499	0.00100073730271935
LUAD	SETDB1	cg16370685	-0.199006070223142	472	-4.37892489914881	1.47465099891216e-05	0.0396034159856582	0.000183691501168677
LUAD	SETDB1	cg17899625	0.00934095951110017	475	0.202084667367897	0.839938348122174	8.72535245880128e-05	0.914247231098157
LUAD	SETDB1	cg17918089	0.0456956587496185	540	1.05606936546292	0.291414959584707	0.00208809322856159	0.489011505688452
LUAD	SETDB1	cg19689029	-0.127073157540702	475	-2.77148013813363	0.0058025345755002	0.0161475873673641	0.0279347994601739
LUAD	SETDB1	cg26820223	-0.0419985558910527	475	-0.909370043761693	0.363622903502581	0.00176387869693388	0.562535897766372
LUAD	SETMAR	cg00300090	0.0225863659453139	475	0.488742483661464	0.625252965608782	0.000510143926615635	0.778174506186395
LUAD	SETMAR	cg02520519	0.00753272279577656	475	0.162962333167002	0.870618434661192	5.67419127180118e-05	0.931314701305609
LUAD	SETMAR	cg06021447	-0.03606842959179	475	-0.780787474751895	0.435322251795453	0.00130093161321791	0.628661196758191
LUAD	SETMAR	cg06267913	-0.117993980774353	475	-2.57055720218649	0.0104616144431488	0.0139225794989784	0.0441446536119722
LUAD	SETMAR	cg14751177	-0.0651406134386092	475	-1.41220632362815	0.158553801774941	0.00424329951915831	0.327723660663189
LUAD	SETMAR	cg14961031	-0.240113855922432	475	-5.35100190764078	1.37199082309254e-07	0.0576546638059387	2.89326793417353e-06
LUAD	SETMAR	cg15232450	-0.225980135536385	540	-5.35569824066343	1.26944462407216e-07	0.0510670216570431	2.69828621441167e-06
LUAD	SETMAR	cg15384599	-0.151392618368907	540	-3.53592611615742	0.00044173812273702	0.0229197248965935	0.00337635837298131
LUAD	SETMAR	cg16423812	0.035197368610463	475	0.761907596402603	0.44649894199305	0.0012388547571008	0.638286971341026
LUAD	SETMAR	cg21901604	-0.0991314601061982	475	-2.1551569323992	0.0316588971718357	0.00982704638278676	0.102718115134745
LUAD	SETMAR	cg22149154	-0.146508354883329	475	-3.20403365534903	0.00144768966927054	0.0214646980506196	0.00913394729369282
LUAD	SETMAR	cg23182840	-0.144599964999985	475	-3.16140123333252	0.00167203681842298	0.020909149877997	0.0102768770050089
LUAD	SETMAR	cg23549342	-0.248660539295313	475	-5.55379064698333	4.69456098952438e-08	0.0618320638026359	1.10468444530871e-06
LUAD	SETMAR	cg24390964	-0.0117839366885468	475	-0.254943229215559	0.798878939811519	0.000138861163879678	0.890155107486713
LUAD	SETMAR	cg26797270	-0.0618742358170071	475	-1.34111401555023	0.180533930974597	0.0038284210579386	0.357647422298448
LUAD	SETMAR	cg27265118	-0.113665880842427	475	-2.47500942604879	0.0136764353420047	0.0129199324676848	0.054410586631682
LUAD	SFMBT2	cg09060610	-0.157563729777591	475	-3.45174095620813	0.000607503841505616	0.0248263289414256	0.00441807552080844
LUAD	SFMBT2	cg12328063	-0.220412565688239	475	-4.88847643496309	1.39881470037353e-06	0.0485816991132725	2.29964900255406e-05
LUAD	SFMBT2	cg20299663	-0.237320374842408	475	-5.28500980905649	1.93123707283427e-07	0.056320960315341	3.93191983365793e-06
LUAD	SFMBT2	cg25291138	-0.266163321047055	475	-5.97346827581925	4.60173736371037e-09	0.0708429134707978	1.34178244554904e-07
LUAD	SHPRH	cg00571935	-0.0949514839100139	475	-2.06343747781642	0.0396219535027959	0.00901578429671362	0.121649311342509
LUAD	SHPRH	cg02758840	0.0641957025149217	475	1.3916358700244	0.164693761538848	0.00412108822138432	0.336405188302053
LUAD	SHPRH	cg06708562	0.090965276528905	475	1.97607248124145	0.0487334085432283	0.00827468153398015	0.14155905590119
LUAD	SHPRH	cg11387577	0.0289364256867755	475	0.626252840150715	0.531454434768278	0.000837316731526283	0.709134614564911
LUAD	SHPRH	cg11675148	-0.00172796650003228	475	-0.0373816867173396	0.97019661403046	2.98586822523382e-06	0.984293629067902
LUAD	SHPRH	cg12989205	0.0631233941242016	475	1.36829655795245	0.171875793640093	0.00398456288575929	0.346172310432036
LUAD	SHPRH	cg14102550	-0.0507779657179621	475	-1.09991428007082	0.271934924896805	0.00257840180245453	0.468298258897199
LUAD	SHPRH	cg15443174	0.0275961637156224	475	0.59722375036008	0.550646831598943	0.000761548251819434	0.723187663696847
LUAD	SHPRH	cg16339435	-0.0337033190041865	475	-0.729528727510624	0.466043261853276	0.00113591371189796	0.655304368879257
LUAD	SHPRH	cg18099523	-0.108780554280848	474	-2.36480089112116	0.0184477557614221	0.0118332089896486	0.0684011587485856
LUAD	SHPRH	cg26814539	0.0545828471756468	475	1.18257044806119	0.237579873409327	0.00297928720580001	0.42908224618111
LUAD	SHPRH	cg27398948	0.0525947589012995	475	1.13937556682788	0.255129371368309	0.00276620866388582	0.449395093767152
LUAD	SIN3A	cg01088093	0.0822255168331785	475	1.78485386603148	0.0749326161213667	0.00676103561848332	0.193767715016142
LUAD	SIN3A	cg01664094	0.0756174649842842	475	1.64055294972351	0.101562129649762	0.00571800101064944	0.240947952608142
LUAD	SIN3A	cg02028562	0.0239352380847373	475	0.517946755199503	0.604740173663874	0.000572895622173061	0.763546548998724
LUAD	SIN3A	cg07544511	0.0200269977877689	475	0.433337114783561	0.664969535444702	0.000401080640391301	0.805497182279984
LUAD	SIN3A	cg10483776	0.156352561429121	475	3.42454042695219	0.000670025754982314	0.024446123465447	0.00480176832151123

LUAD	SIN3A	cg11184237	-0.0611201459872272	475	-1.32470757373711	0.185914633955236	0.00373567224549996	0.364749395589469
LUAD	SIN3A	cg15851274	-0.117532140803196	475	-2.56035457611118	0.0107693555197759	0.0138138041217822	0.0451834345434928
LUAD	SIN3A	cg22059910	0.141356114620472	475	3.08901772482869	0.00212768519510571	0.019981551140596	0.0124836821832758
LUAD	SIN3A	cg25697800	-0.0624349889746283	475	-1.35331559894212	0.176608126734455	0.00389812784826196	0.352617935250883
LUAD	SIN3B	cg06815056	-0.143845220761022	475	-3.14455061798626	0.00176924334171672	0.0206914475357872	0.0107605744574797
LUAD	SIRT1	cg02720207	-0.0933887618783877	475	-2.02917588400622	0.0430058419547725	0.0087214608451782	0.12908389802568
LUAD	SIRT1	cg03211233	-0.0482729758671384	475	-1.04552302955968	0.296321006120775	0.00233028019906932	0.49428557476166
LUAD	SIRT1	cg07832903	-0.079801209837384	475	-1.73188746252341	0.0839525206410423	0.0063682330915102	0.210128451167892
LUAD	SIRT1	cg10582690	-0.0869804158245466	475	-1.8888327304289	0.0595323055260785	0.00756559273701104	0.163746549835352
LUAD	SIRT1	cg10705386	-0.0422264780118799	475	-0.914313898946485	0.361022743017195	0.00178307544528778	0.559871686274612
LUAD	SIRT1	cg19192316	0.0248572240279831	540	0.57405095491431	0.56617548481449	0.000617881586377342	0.735244872484184
LUAD	SIRT1	cg19681528	-0.0455474231911122	475	-0.986365090487485	0.324463653914745	0.00207456775935027	0.523863717341047
LUAD	SIRT1	cg19980381	-0.110287092941623	475	-2.4005183203886	0.0167613610815844	0.0121632428695142	0.0635445089659247
LUAD	SIRT1	cg25513531	-0.143732705138164	475	-3.14203904576493	0.00178417029985885	0.0206590905263345	0.0108317265730622
LUAD	SIRT4	cg04118464	-0.131586374733451	466	-2.85006139531775	0.00456697078615535	0.0173149740154923	0.0230583414679497
LUAD	SIRT4	cg07106325	-0.0269070835942873	475	-0.58230004563987	0.560645009518731	0.000723991147549963	0.731289178090578
LUAD	SIRT4	cg08264848	-0.043751564391641	475	-0.94739824168463	0.343924804997521	0.00191419938671591	0.54326118061848
LUAD	SIRT4	cg12124973	0.0297138402665915	475	0.643092607912485	0.520478969365561	0.000882912303388516	0.700776076824182
LUAD	SIRT4	cg20010714	-0.0654308473462035	475	-1.41852540003436	0.156702996387202	0.00428119578444218	0.32522884776955
LUAD	SIRT4	cg21068152	-0.0409344881898769	540	-0.945838816911409	0.344659383600129	0.00167563232336717	0.543895816941972
LUAD	SIRT4	cg21123573	-0.0960294372025101	531	-2.20842051939158	0.0276471298888498	0.00922165280943083	0.0928982732624907
LUAD	SIRT5	cg01064902	-0.201650400716728	475	-4.45385826396068	1.05603316718979e-05	0.040662884109217	0.000137494634658348
LUAD	SIRT5	cg02206980	-0.245335941174174	475	-5.47474641562922	7.15870077011033e-08	0.0601897240318179	1.60629930115363e-06
LUAD	SIRT5	cg02712746	-0.111128234223158	475	-2.41905472234492	0.0159412837588542	0.012349484441557	0.0611235757669825
LUAD	SIRT5	cg06139021	-0.0410343298447955	475	-0.888456595812764	0.374751596009345	0.00168381622581148	0.57342352943394
LUAD	SIRT5	cg07534331	-0.0718202523521816	475	-1.55773231638595	0.119972666451689	0.00515814864793105	0.270674407790917
LUAD	SIRT5	cg07909422	-0.0851985808631466	540	-1.9741399713772	0.0488817042074949	0.00725879818109413	0.141891914071562
LUAD	SIRT5	cg08619119	-0.0234989068193774	475	-0.508499496475261	0.611342704721567	0.00055219862170578	0.768304136784698
LUAD	SIRT5	cg10907941	-0.0169020102780849	475	-0.365698628044982	0.714755204037401	0.000285677951440488	0.837808376670769
LUAD	SIRT5	cg11824369	-0.0781213030198294	475	-1.69520295831358	0.0907020822460074	0.006102937985516	0.222000937145919
LUAD	SIRT5	cg19366958	-0.0206182087488214	475	-0.446134891513387	0.655706146470248	0.000425110532009976	0.79923815376427
LUAD	SIRT5	cg20150972	-0.0785088191178819	475	-1.70366393387339	0.0891077278820867	0.00616363467928429	0.219278353299562
LUAD	SIRT7	cg11691214	-0.0800723878841207	475	-1.73781062243026	0.0829019748270227	0.00641158730146508	0.208195636430042
LUAD	SIRT7	cg12710567	-0.0758674228236325	462	-1.62298501938235	0.105285211619147	0.00575586584589983	0.247127832504598
LUAD	SIRT7	cg17552093	-0.00556288990862692	540	-0.128431273690051	0.897856127673616	3.09457441355033e-05	0.945971605573538
LUAD	SIRT7	cg20397086	-0.0589378194277959	464	-1.26214070742842	0.207541891446244	0.00347366655890347	0.392519726330904
LUAD	SMARCA	cg03460558	-0.168305632869663	475	-3.69369866464997	0.000247105170676314	0.0283267860556578	0.00207192279021267
LUAD	SMARCA	cg06675660	-0.134494912804888	475	-2.9362477392187	0.00348574564989957	0.0180888815703945	0.0185834770482653
LUAD	SMARCA	cg08617833	-0.247986078008835	475	-5.53773814459163	5.11660777994774e-08	0.061497094886204	1.1903151484248e-06
LUAD	SMARCA	cg12935118	-0.125422614653427	475	-2.73490242412567	0.00647673508641753	0.015730832266502	0.0304589003332587
LUAD	SMARCA	cg17420696	-0.135914333247707	475	-2.96781615867419	0.00315296032291219	0.0184727059821688	0.0171525451301141
LUAD	SMARCA	cg18959966	-0.246070538338896	475	-5.49219406644533	6.52488560641121e-08	0.0605507098383938	1.48246773033047e-06
LUAD	SMARCA	cg24447042	-0.426159866606611	540	-10.8756841787703	5.11474451465273e-25	0.181612231906164	1.04161370359396e-22
LUAD	SMARCA	cg26010110	-0.234384917211297	475	-5.21581338108394	2.75354990354209e-07	0.0549362894161463	5.39435057154756e-06
LUAD	SMARCA	cg27353825	-0.205904598159151	465	-4.50304169214657	8.50983948673612e-06	0.0423967035430814	0.000113572560135727
LUAD	SMARCA	cg04518912	-0.0367864508640609	475	-0.796351620025803	0.426231459587046	0.00135324296717397	0.620840511580379
LUAD	SMARCA	cg13529335	-0.0535310393089475	475	-1.15971625974839	0.246755662664845	0.00286557216949608	0.439955052380908
LUAD	SMARCA	cg14290704	-0.084550256690425	475	-1.83567487023711	0.0670400572958876	0.00714874590641676	0.178643358816068
LUAD	SMARCA	cg21210735	-0.134723440294031	475	-2.94132902371813	0.00343010126202394	0.0181504053646592	0.0183333079751213
LUAD	SMARCA	cg08405378	-0.142783483150445	475	-3.12085546714291	0.0019147684878979	0.0203871230605733	0.011480346801351
LUAD	SMARCA	cg17218495	-0.0170545383076275	475	-0.368999741117676	0.712294797401568	0.000290857276886332	0.836297883594041
LUAD	SMARCA	cg17747332	0.126289854948829	539	2.93640195946659	0.00346414866109172	0.0159491274629962	0.0184936852141758
LUAD	SMARCA	cg18522266	-0.131722518981677	475	-2.8746416008096	0.00422912492082953	0.0173508220068784	0.0217036072205117
LUAD	SMARCA	cg23892580	-0.0412037625164885	474	-0.891177659224919	0.373292776435612	0.00169775004551518	0.57185141228637
LUAD	SMARCA	cg01278696	0.135429177243058	540	3.15569870773529	0.00169158295560168	0.0183410620487317	0.0103765182501244
LUAD	SMARCA	cg01575392	-0.141503897551175	475	-3.0923131368039	0.00210467714214786	0.0200233530221735	0.0123813712640843
LUAD	SMARCA	cg02782292	0.00526371975619813	474	0.113751521913481	0.909483654065452	2.77067456717905e-05	0.951932582514302

LUAD	SMARCA	cg05358385	0.0244676131552558	475	0.529473915155128	0.596727797222546	0.000598664093515244	0.757796279030522
LUAD	SMARCA	cg10878459	-0.093128411820044	475	-2.02346936738195	0.0435926143516386	0.00867290108812371	0.130457543407247
LUAD	SMARCA	cg12253543	-0.00838415404384098	475	-0.181383359035241	0.856145208192397	7.0294039030855e-05	0.923451860241029
LUAD	SMARCA	cg13848802	-0.0428224791623205	447	-0.899076626682232	0.36910359992038	0.00183376472160738	0.567813306516291
LUAD	SMARCA	cg13898584	-0.00417123075514094	475	-0.0902383032557424	0.928136453523214	1.73991660126336e-05	0.962114077254387
LUAD	SMARCA	cg16091845	0.116514282618606	540	2.70838788246869	0.00697838579213602	0.0135755780541283	0.0323198514206959
LUAD	SMARCA	cg16587443	-0.0032820778619767	462	-0.0700094905293612	0.944216864288719	1.07720350920775e-05	0.970185463237239
LUAD	SMARCA	cg19993723	0.0199426172677967	475	0.431510590892736	0.666295861475126	0.000397707983489823	0.806357294561381
LUAD	SMARCA	cg20045045	-0.0201398732401075	475	-0.43578046229101	0.663196948646485	0.000405614494127596	0.804176435921889
LUAD	SMARCA	cg22077701	-0.0146562075568342	475	-0.317096305773153	0.751311936349577	0.000214804419949004	0.860712761411053
LUAD	SMARCA	cg24607315	-0.160276146603788	474	-3.50895990481566	0.000493437707682525	0.0256884431701591	0.003708347987233
LUAD	SMARCB	cg01745726	-0.0226984521758735	475	-0.491169145482115	0.623537067078262	0.000515219731180418	0.776927085709719
LUAD	SMARCB	cg01912455	-0.00066627596412708	475	-0.0144137561129206	0.98850602716849	4.43923660373482e-07	0.993974586737656
LUAD	SMARCB	cg03979008	0.0142758198415685	475	0.30886467739324	0.757561913771517	0.00020379903214892	0.864803608668634
LUAD	SMARCB	cg10122452	-0.0641947704403147	475	-1.39161558087875	0.164699904965168	0.0041209685518847	0.336405188302053
LUAD	SMARCB	cg16142952	-0.00490413502517843	475	-0.106093937586412	0.915553280583836	2.40505403451818e-05	0.955367420186433
LUAD	SMARCB	cg19906397	-0.0459473940953862	540	-1.06189947909388	0.288762226599508	0.00211116302415673	0.486293749723152
LUAD	SMARCC	cg02564102	0.0925458387181883	475	2.01070167790773	0.0449300574960502	0.00856473226405292	0.13341742427322
LUAD	SMARCC	cg02627110	0.0537248078788339	475	1.1639262634566	0.245046924261958	0.00288635498161761	0.437911890701891
LUAD	SMARCC	cg05592996	-0.0156352315666583	475	-0.338283125656655	0.735301541263287	0.000244460466143029	0.850732417242984
LUAD	SMARCC	cg07143957	0.147346813478126	475	3.22277590614969	0.00135815925268653	0.0217110834421575	0.00866038040192587
LUAD	SMARCC	cg07304068	-0.0159607660484928	475	-0.345328150594445	0.730002842597826	0.000254746052854721	0.847369270461441
LUAD	SMARCC	cg07474652	-0.0403277955778931	475	-0.873133900011223	0.383037868896003	0.00162633109617233	0.581288069037614
LUAD	SMARCC	cg12894336	-0.00127222620124642	475	-0.0275224830888938	0.978054739665783	1.6185595071379e-06	0.988635989452152
LUAD	SMARCC	cg16250355	0.117897673835484	540	2.7409955533987	0.00633093294186936	0.0138998614958181	0.0299197252463268
LUAD	SMARCC	cg20685352	-0.042916280142405	475	-0.929277260768959	0.353224468830359	0.00184180710126138	0.55226996398804
LUAD	SMARCC	cg22984439	0.0307168497438679	475	0.664802772111904	0.506492591968718	0.000943524858187359	0.689522691789416
LUAD	SMARCC	cg24832353	0.081407939660673	65	0.648307308514668	0.519142253393033	0.00662725263979577	0.699831124706415
LUAD	SMARCD	cg02553054	0.110782174899185	475	2.41142790753997	0.0162743197114934	0.0122726902753936	0.0621097148565502
LUAD	SMARCD	cg04550398	-0.00937759137269925	475	-0.202877239836927	0.839319155622449	8.79392199533235e-05	0.914018411164563
LUAD	SMARCD	cg09878554	0.0301648961440502	475	0.652863573321563	0.514164805358669	0.000909920959381331	0.695718380812835
LUAD	SMARCD	cg13349421	-0.0729344420151689	475	-1.58202657528411	0.11431904180579	0.00531943283206403	0.261876782633676
LUAD	SMARCD	cg17846064	-0.0298987595630978	475	-0.647098360935831	0.51788554380426	0.000893935823411933	0.698771956610918
LUAD	SMARCD	cg18591973	0.061079243400707	540	1.41276157325627	0.158309490009451	0.00373067397440281	0.327402827894253
LUAD	SMARCD	cg20405918	-0.068015777877092	475	-1.4748215725739	0.140932904168436	0.00462614604022591	0.30275686485183
LUAD	SMARCD	cg22402853	-0.0731425907097888	475	-1.58656579411711	0.113286408163136	0.00534983857573968	0.260390463437211
LUAD	SMARCD	cg25107077	-0.0617676986907484	475	-1.33879598916183	0.181287039589439	0.00381524860155109	0.358564989845378
LUAD	SMARCD	cg00945038	0.00200066677989744	475	0.0432811265802934	0.965495895531338	4.0026675641852e-06	0.981840124667838
LUAD	SMARCD	cg02127607	0.0306164379735481	475	0.662645465483457	0.507883847114487	0.000937366274188121	0.69053625025555
LUAD	SMARCD	cg02360836	-0.0248214050712659	540	-0.573223244165892	0.566735305067957	0.000616102149711865	0.735654011299322
LUAD	SMARCD	cg04367190	-0.0449990046970812	475	-0.974464414207227	0.330329401473281	0.00202491042372794	0.530056010771487
LUAD	SMARCD	cg06420487	-0.0867810084268442	475	-1.88446958089627	0.0601209633468835	0.00753094342358001	0.164918346532015
LUAD	SMARCD	cg07362569	0.0485425658845284	475	1.05137571334204	0.293628632128506	0.00235638070265378	0.491396059111649
LUAD	SMARCD	cg11697258	0.0694072188054524	474	1.50352857779902	0.13337872970259	0.00481736202230794	0.291305689318258
LUAD	SMARCD	cg12577610	-0.0773405156386777	540	-1.79090870002436	0.0738752699716156	0.00598155535925654	0.191728198571205
LUAD	SMARCD	cg15868002	-0.0255423203405929	475	-0.552745211799638	0.580701795845443	0.000652410128381465	0.746449363945809
LUAD	SMARCD	cg19016967	0.00361401424446028	475	0.0781835925954398	0.937715429109723	1.30610989591618e-05	0.96664874103142
LUAD	SMARCD	cg19143629	0.0248142925063114	475	0.536980572087733	0.591536223672922	0.000615749112588781	0.754149080484138
LUAD	SMARCD	cg21254277	0.0571129746441074	475	1.23756259777013	0.216498825333499	0.00326189187269845	0.403756763148925
LUAD	SMARCD	cg23682543	-0.0512659923608111	475	-1.11051327156559	0.267348146226592	0.00262820197273874	0.463074871140905
LUAD	SMARCD	cg24795630	-0.0113514036434206	475	-0.24558423011875	0.806111756921731	0.000128854364675863	0.894831095703103
LUAD	SMARCD	cg25945412	-0.0759560464309601	475	-1.64794114758483	0.100035904606568	0.00576932098942217	0.238308217876143
LUAD	SMARCD	cg00864064	-0.0368544847527866	475	-0.797826416230983	0.425375852571653	0.00135825304639338	0.620130099054736
LUAD	SMARCD	cg02917064	-0.0675633956837622	540	-1.56339449719534	0.118553342839114	0.00456481243632061	0.268516573582149
LUAD	SMARCD	cg14795305	-0.0452205668199845	538	-1.04310436130607	0.29737461480555	0.00204489966352069	0.495416326541522
LUAD	SMARCD	cg19786287	-0.0897907274238008	475	-1.950348562458	0.0517311736893167	0.00806237473129529	0.147923510169744
LUAD	SMARCD	cg19902439	-0.132044708349735	475	-2.88179750550578	0.00413592298785249	0.0174358050031665	0.0213164166501256

LUAD	SMARCD	cg22750243	-0.123967636727916	475	-2.70267777353371	0.00712842559891357	0.0153679749559045	0.032867990815664
LUAD	SMARCD	cg22787816	-0.0238509515754719	475	-0.516121796686595	0.060613104554219	0.000568867891055504	0.764512825541235
LUAD	SMNDC1	cg03999743	0.0347132566234581	475	0.751415428256359	0.4527803673935	0.00120501018540606	0.643235863787618
LUAD	SMNDC1	cg08770590	-0.0986450735950084	475	-2.1444785322488	0.0325088951227415	0.00973085054456462	0.104781114815154
LUAD	SMNDC1	cg11559952	0.00439812867266802	475	0.0951469909164213	0.924238798928624	1.93435358213446e-05	0.960116350285809
LUAD	SMNDC1	cg12486840	0.172407012790288	475	3.78643275970134	0.000172717378172802	0.0297241780592706	0.0015359368675783
LUAD	SMNDC1	cg17981675	0.00613863259397751	475	0.132801429662024	0.894407503427422	3.76828101238431e-05	0.944020322234735
LUAD	SMNDC1	cg18209001	0.0312982905524318	475	0.677417423114483	0.498475877009093	0.000979582991504444	0.682754940860351
LUAD	SMNDC1	cg21872391	-0.134509295580101	540	-3.13386778196091	0.00182012881814018	0.018092750597455	0.0110087934441298
LUAD	SMNDC1	cg23721301	-0.020218425233754	475	-0.437480840217783	0.661964482073262	0.000408784718932899	0.803314745781201
LUAD	SMNDC1	cg26944434	-0.00700764350797677	475	-0.151602230345277	0.879566002185008	4.91070675348889e-05	0.936148382503975
LUAD	SMYD1	cg00578637	-0.0212586890510911	475	-0.459999716547498	0.645730054711003	0.000451931860170982	0.792295693834484
LUAD	SMYD1	cg00666842	0.0388796935012134	475	0.841732806081705	0.400367434862728	0.0015116305667483	0.596900010246037
LUAD	SMYD1	cg03704645	0.0172475274899021	475	0.373176578330096	0.709185993791559	0.000297477204514929	0.834298728959429
LUAD	SMYD1	cg14559139	-0.0120826526135877	475	-0.261406823403601	0.793893795433167	0.000145990494180638	0.887078422365456
LUAD	SMYD1	cg16090764	-0.0243130504886546	475	-0.526127227513157	0.599049039253091	0.000591124424063869	0.759364726616988
LUAD	SMYD1	cg18148488	0.00288741050579549	475	0.0624645001799207	0.950219599732625	8.33713942897817e-06	0.973659203175049
LUAD	SMYD1	cg19074493	-0.0424594817551462	475	-0.919368127349861	0.358376659807866	0.00180280759091559	0.557334703498253
LUAD	SMYD2	cg01770831	-0.0456148350481593	475	-0.987827988624488	0.323747327475643	0.00208071317647078	0.523195803598824
LUAD	SMYD2	cg04406444	-0.0259049776247032	475	-0.560598482074666	0.575339558688949	0.000671067865736372	0.742273721554649
LUAD	SMYD2	cg11523160	0.0254620630378389	475	0.551007285731025	0.581891622236808	0.000648316654142881	0.747211335698348
LUAD	SMYD2	cg14013804	-0.0336418992166726	475	-0.728197751312253	0.466856728519038	0.00113177738290476	0.656045020563765
LUAD	SMYD2	cg27570636	0.022084345947857	475	0.477873998368544	0.632963012311643	0.000487718335944629	0.783701112186213
LUAD	SMYD5	cg01329511	-0.196873053109847	475	-4.34403243641607	1.71659999019785e-05	0.0387589990407925	0.000209706626315094
LUAD	SMYD5	cg05103132	-0.00996890818841798	475	-0.215671174675571	0.829338033368926	9.93791304691071e-05	0.908313712063948
LUAD	SMYD5	cg06754047	-0.0740500785856443	540	-1.71428534734622	0.0870576754699202	0.0054834141385401	0.215673040109132
LUAD	SMYD5	cg08834152	-0.00621293817620801	475	-0.134408997152689	0.893136950174253	3.86006007813829e-05	0.943326263008022
LUAD	SMYD5	cg15623359	0.0393360927632078	475	0.85162892640043	0.394855637296928	0.00154732819387569	0.591526881855558
LUAD	SMYD5	cg17895873	-0.0761175561489975	540	-1.7624232977923	0.0785709154789415	0.00579388235409579	0.200305555489731
LUAD	SMYD5	cg20402064	-0.0649893776054033	475	-1.40891370573755	0.159524738140273	0.0042236192015377	0.329144586221207
LUAD	SMYD5	cg25886337	-0.0156676912455549	475	-0.338985593984468	0.734772628946064	0.000245476548966037	0.850460940112165
LUAD	SMYD5	cg26467949	-0.213555006217109	475	-4.72899412067828	2.99108809739046e-06	0.0456057406803894	4.50336186275196e-05
LUAD	SP100	cg05876232	-0.0030955254128629	475	-0.0669667744513536	0.946636752654006	9.58227758168005e-06	0.971526227041408
LUAD	SP100	cg09456094	-0.21473754943005	475	-4.75644276843927	2.62828023013739e-06	0.046112215135223	4.02489039809661e-05
LUAD	SP100	cg11702456	-0.125251465078902	475	-2.73111090083431	0.00655051681126649	0.0156879295044115	0.030731570667933
LUAD	SP100	cg11827097	-0.146930735718119	475	-3.21347434286145	0.00140193142939787	0.0215886410986678	0.00888704804584241
LUAD	SP100	cg23539753	-0.355658843668063	540	-8.7854512826536	2.13485158191095e-17	0.126493213079304	2.21143334172011e-15
LUAD	SP100	cg27140170	-0.0646806937603008	475	-1.40219352437995	0.161520396064681	0.00418359214531382	0.33182765181968
LUAD	SP140L	cg04002454	-0.234928874868348	475	-5.22862442008195	2.57927374289592e-07	0.055191576246908	5.09398379169447e-06
LUAD	SP140L	cg05217331	-0.113722211580703	475	-2.47625206231111	0.0136295512904709	0.0129327414068061	0.0542462556579809
LUAD	SP140L	cg13278004	-0.299249214943419	475	-6.78465733691724	3.52804051679772e-11	0.0895500926442525	1.51551840951829e-09
LUAD	SP140L	cg24044052	-0.372955859394209	475	-8.69566933495304	5.87194636474884e-17	0.139096073056473	5.7969821763867e-15
LUAD	SP140L	cg25095994	-0.310133005095988	475	-7.05716930140567	6.16091928602326e-12	0.0961824808498681	3.04693296209087e-10
LUAD	SP140L	cg26847438	-0.278082623648401	475	-6.26287243615907	8.5678565040581e-10	0.0773299455751785	2.86801991771384e-08
LUAD	SSRP1	cg01511567	0.227255741265224	539	5.38251501741197	1.10327306609299e-07	0.0516451719380063	2.37553348750728e-06
LUAD	SSRP1	cg01766191	-0.0811531042891266	475	-1.76141985606179	0.0788202999343027	0.00658582633576186	0.200764403545581
LUAD	SSRP1	cg02688348	0.0358461878344839	475	0.775970311064208	0.438158470092004	0.0012849491822651	0.630913290929613
LUAD	SSRP1	cg04937561	0.0398651711431876	475	0.863101618975713	0.388523684474847	0.00158923187027564	0.586263437300674
LUAD	SSRP1	cg08821673	0.0215523675199159	475	0.466357322333123	0.641176750126197	0.000464504545713524	0.789205543216059
LUAD	SSRP1	cg09381635	0.089381772309687	475	1.94139392626445	0.0528103911173817	0.00798910122122073	0.150108939551522
LUAD	SSRP1	cg11948159	0.0768131465180594	475	1.66664652799924	0.0962537722861836	0.00590025947800487	0.231774413998304
LUAD	SSRP1	cg12795368	0.125161245492722	475	2.72911234141793	0.00658971253346944	0.0156653373732895	0.0308744939068129
LUAD	SSRP1	cg12911972	-0.0911487765670525	475	-1.98009208234187	0.0482784620655191	0.00830809946967046	0.140565895461949
LUAD	SSRP1	cg16313264	0.107317523889739	475	2.33511879344096	0.0199590186241984	0.0115170509338247	0.0726915681109968
LUAD	SSRP1	cg22636253	0.0192049287995489	540	0.443461999618832	0.657611550925886	0.000368829290195742	0.800610854516164
LUAD	SSRP1	cg26706201	-0.0445943493082284	475	-0.965683962614491	0.334701085097559	0.00198865599022429	0.534271800842915
LUAD	STK31	cg00755064	0.0225554966855872	475	0.488074168827331	0.625725891202075	0.000508750430733535	0.778557010702849

LUAD	STK31	cg05000488	0.000980184862373564	475	0.0212046508706467	0.983091441723363	9.60762364426282e-07	0.991220587088849
LUAD	STK31	cg05407490	0.0181843296100391	475	0.393452253689677	0.694164661361749	0.000330669843366544	0.824679199388957
LUAD	STK31	cg11755819	-0.0146592332201029	475	-0.317161781977586	0.751262287570667	0.000214893118601367	0.860674736652684
LUAD	STK31	cg13313214	0.0227667063250788	475	0.492646853796659	0.62249317833398	0.000518322916892383	0.776372494033084
LUAD	STK31	cg13514718	0.00551258248611141	475	0.119257204924865	0.905122760618623	3.03885656661823e-05	0.949691373297898
LUAD	STK31	cg13802883	-0.0513670821991801	475	-1.11270884612654	0.266404709051721	0.00263857713365732	0.462122382756853
LUAD	STK31	cg14898779	-0.0073210396668439	540	-0.169023855284204	0.865842002418395	5.35976218035018e-05	0.92874776887639
LUAD	STK31	cg17102984	-0.0817608195050191	475	-1.77469868975457	0.0765976217692419	0.00668483160613232	0.196892490165488
LUAD	STK31	cg17331904	-0.00808130030177288	475	-0.174830964635143	0.861288065551178	6.53074145674345e-05	0.926288017854266
LUAD	STK31	cg21519371	-0.0269236165599876	475	-0.582658097381212	0.560404102718124	0.00072488112866924	0.73108526909803
LUAD	STK31	cg25570411	-0.0233792449477807	475	-0.505908679626942	0.613158965807062	0.000546589094328331	0.7696994594873
LUAD	STK31	cg25612145	-0.0290545938231847	540	-0.67106069061715	0.5024725661908	0.00084416942223024	0.686066954757215
LUAD	SUV39H	cg05903800	-0.273037797006675	475	-6.140010771862	1.76276684195029e-09	0.0745496385942581	5.56770944793671e-08
LUAD	SUZ12	cg00160853	-0.00566227881247338	475	-0.122495783275052	0.902558968595281	3.2061401350185e-05	0.94851296727999
LUAD	SUZ12	cg01109633	0.0157128021990624	475	0.339961853607282	0.734037779410885	0.000246892152946859	0.850036247156664
LUAD	SUZ12	cg07482957	-0.110508751270016	475	-2.40540254175957	0.0165417475987061	0.0122121841072582	0.0629007311022508
LUAD	SUZ12	cg08177746	-0.03226893016752	475	-0.698447429668603	0.485244331577409	0.00104128385415628	0.671871452002011
LUAD	SUZ12	cg17335595	-0.0893413983659667	475	-1.94050993684884	0.0529179463695996	0.00798188546198636	0.150359718027562
LUAD	SUZ12	cg25098644	0.0107116356505941	540	0.247311500960338	0.804762392508712	0.000114739138311078	0.893881686553339
LUAD	TAF3	cg00194465	-0.0282850518039125	475	-0.612144147819418	0.540739675137741	0.000800044155550012	0.715929232896563
LUAD	TAF3	cg02334915	0.183276588394766	475	4.03319555785353	6.4241219405849e-05	0.0335903078536244	0.000660444221284342
LUAD	TAF3	cg03672997	0.0255151001710381	474	0.55156554789802	0.581509861331501	0.000651020336738108	0.746920353868883
LUAD	TAF3	cg04179819	0.112540107265148	475	2.45018031090986	0.0146436570975885	0.012665275743251	0.0572974881928277
LUAD	TAF3	cg04234156	-0.00266704290500879	475	-0.0576971648909617	0.954014477952031	7.11311785715775e-06	0.975622803667631
LUAD	TAF3	cg05976695	-0.0310948744946461	475	-0.673010428990638	0.501272839665997	0.000966891219837793	0.685078164663515
LUAD	TAF3	cg07855525	-0.0459139651405542	474	-0.993256669729795	0.321099246408946	0.00210809219492802	0.520530281034545
LUAD	TAF3	cg09871669	-0.0332860569009883	475	-0.72048675592891	0.471585055464952	0.00110796158401583	0.65974910897992
LUAD	TAF3	cg09994553	-0.00546180542500919	443	-0.114047546565282	0.909252600438809	2.98313185006599e-05	0.951780144763539
LUAD	TAF3	cg11104088	-0.054693715098568	475	-1.18497966841367	0.236626865380158	0.00299140247128332	0.428000159944618
LUAD	TAF3	cg12176426	0.00295186647102769	475	0.0638589137361082	0.949109833533582	8.71351566277747e-06	0.973011746898666
LUAD	TAF3	cg12590721	0.0273459311713253	475	0.591804259062229	0.554267437549616	0.000747799951626861	0.72601372323643
LUAD	TAF3	cg12777293	-0.0361673223472291	475	-0.782931045223991	0.434063598809489	0.00130807520576838	0.627591183083085
LUAD	TAF3	cg27268107	0.0815083917291366	475	1.76918279533112	0.077514595375971	0.00664361792227039	0.198475467560546
LUAD	TCEA1	cg01677098	-0.0869004295046532	540	-2.0138706752917	0.0445251046287414	0.0075516846480932	0.132521708684503
LUAD	TCEA1	cg06047473	-0.0109246289288968	475	-0.236349962922807	0.813264526003654	0.00011934751723409	0.899423059406693
LUAD	TCEA1	cg11530293	0.0320459362815868	475	0.693615841715844	0.488267263192863	0.00102694203216352	0.674326973783968
LUAD	TCEA1	cg11787876	-0.00694105674213015	475	-0.150161633245258	0.880701788650704	4.81782686974704e-05	0.936738516925771
LUAD	TCEA1	cg12850379	-0.251689898794745	475	-5.62599750325953	3.17925406468117e-08	0.0633478051553088	7.78002172720374e-07
LUAD	TCEA1	cg23569945	-0.100221040621806	475	-2.17908386327164	0.0298234792423561	0.0100442569833176	0.098238038031073
LUAD	TCEA1	cg26181865	-0.092628189581044	475	-2.01250635515983	0.0447389322586143	0.00857998150506183	0.132990786936762
LUAD	TCEA1	cg26358945	-0.0236110571973641	475	-0.51092770071609	0.609642615319462	0.000557482021977199	0.767121791151693
LUAD	TDRD1	cg00337703	-0.32643777236733	475	-7.47121160083591	3.93071649090489e-13	0.106561622407259	2.35039322592971e-11
LUAD	TDRD1	cg02635786	-0.856924000496725	468	-35.69540471119572	8.94879676833533e-135	0.734318742627312	5.3550976599683e-131
LUAD	TDRD1	cg16550453	-0.927486887758654	475	-53.6693970537961	4.21302587237209e-202	0.860231926964234	1.63874067357657e-197
LUAD	TDRD1	cg23504215	-0.847019128613999	475	-34.4716350351048	1.57660635474558e-130	0.717441404238018	8.17670098407186e-127
LUAD	TDRD1	cg23825092	-0.316284164438663	475	-7.21253157328727	2.22472758395153e-12	0.100035672674663	1.20187817823559e-10
LUAD	TDRD1	cg24203376	-0.711282535650958	475	-21.8911050696533	1.15245008381867e-73	0.505922845522056	1.54575347966535e-70
LUAD	TDRD1	cg26600802	-0.908538300319168	475	-47.0431173486868	1.66740556297372e-179	0.825441843146843	1.62142685457472e-175
LUAD	TDRD1	cg27547703	-0.896643149874266	540	-46.7542175523385	9.77550477376004e-191	0.803968938216446	1.90118904592472e-186
LUAD	TDRD3	cg01557749	-0.0251224841036042	475	-0.543654015375876	0.586938453584052	0.000631139207535845	0.750888923733613
LUAD	TDRD3	cg03447530	-0.179242457035437	475	-3.9414390969531	9.33626038900998e-05	0.0321278584041005	0.000908221884084834
LUAD	TDRD3	cg05666423	-0.111282542807717	475	-2.42245582224039	0.0157947181088792	0.0123838043337515	0.0607232172257052
LUAD	TDRD3	cg10765900	-0.0366338642801932	475	-0.793043983523382	0.428154051976384	0.00134204001209961	0.622420673386031
LUAD	TDRD3	cg18522102	-0.0657635848353398	475	-1.42577032457453	0.154601292724399	0.00432484909039494	0.322181970699221
LUAD	TDRD3	cg19937698	-0.0290456883345648	475	-0.628619535747206	0.529904840277409	0.000843652010828676	0.708016475729118
LUAD	TDRD3	cg20944895	-0.0787390040938514	475	-1.70869013001126	0.0881713839778609	0.00619983076569155	0.217739191892227
LUAD	TDRD3	cg22045829	-0.046135052847392	475	-0.99911764073696	0.318254005641299	0.00212844310123165	0.517586907113334

LUAD	TDRD3	cg23103367	-0.182266773405839	475	-4.01020770976763	7.05964945195762e-05	0.0332211766877756	0.00071491586756781
LUAD	TDRD3	cg23767211	0.0723206735929141	475	1.56864298037585	0.117406997684624	0.00523027982893282	0.266782333738685
LUAD	TDRD3	cg26737458	-0.0470436950279757	475	-1.01883875285033	0.308805917301227	0.00221310924188519	0.507443880145356
LUAD	TDRD5	cg05378938	-0.361360188497306	475	-8.3839506561543	6.05744730533066e-16	0.130581185830809	5.25929749632694e-14
LUAD	TDRD5	cg07171496	-0.348368066487797	474	-8.03140209676061	7.91356820212299e-15	0.121360309748446	5.9754990085962e-13
LUAD	TDRD5	cg07901138	-0.352076353127357	475	-8.13761726166242	3.66865660143994e-15	0.123957758431459	2.89745656499917e-13
LUAD	TDRD5	cg09656934	-0.485648850745461	540	-12.8262005698041	5.19795426038985e-33	0.235854806230387	1.60464148306654e-30
LUAD	TDRD5	cg11853788	-0.533848898449773	475	-13.6579849764448	5.56228522360922e-36	0.284994646376036	1.93175186020293e-33
LUAD	TDRD5	cg12277666	-0.329935500698838	540	-8.06898778597226	4.72563225309889e-15	0.108857434621393	3.67993829326902e-13
LUAD	TDRD5	cg13848905	-0.289100420654888	475	-6.53317281765416	1.68331906873162e-10	0.0835790532228334	6.44766733790781e-09
LUAD	TDRD5	cg15545772	-0.362013381496639	475	-8.40138870569262	5.32456536690623e-16	0.131053688382631	4.66463106028269e-14
LUAD	TDRD7	cg24339935	-0.0561998446517253	475	-1.21771307643769	0.223946624546698	0.00315842253887805	0.412990123690744
LUAD	TDRD9	cg07613153	0.143418866506483	540	3.34566891318117	0.000878675734996662	0.0205689712700044	0.00602624527270831
LUAD	TDRD9	cg08933517	0.0598274936546908	539	1.38240488968618	0.167427476567441	0.00357932899700206	0.340207734415242
LUAD	TDRD9	cg16701547	0.10276272998522	475	2.23492970127187	0.0258931003393938	0.0105601786740153	0.0884532955310289
LUAD	TRIM24	cg00733782	0.014333724901851	475	0.310117739972574	0.756609470573822	0.000205455669561945	0.864274366089892
LUAD	TRIM24	cg02308366	0.0114420904321256	475	0.247546467608759	0.804593899880377	0.000130921433456941	0.89373281712421
LUAD	TRIM24	cg06386929	-0.0484903783417981	475	-1.05024272620973	0.294148544010738	0.00235131679173072	0.491895783163615
LUAD	TRIM24	cg06650216	0.0366359979847999	475	0.79309025369415	0.428127132642621	0.00134219634834227	0.622410830386906
LUAD	TRIM24	cg10571650	-0.330877842914949	475	-7.58523096602433	1.80428107065953e-13	0.109480146932049	1.14905261380906e-11
LUAD	TRIM24	cg10703331	0.0646374770749037	540	1.49539919907943	0.135402116474734	0.0041780034426087	0.294280389144422
LUAD	TRIM24	cg13935558	-0.0634742990844235	475	-1.37593364681532	0.169500255070572	0.00402898664425884	0.343004001845853
LUAD	TRIM24	cg26889928	0.128277683189794	540	2.98619133428614	0.00295461637846948	0.0164551640045413	0.0162632877450325
LUAD	TRIM33	cg00760200	-0.018220097434474	475	-0.394226414751237	0.693593457123299	0.000331971950521726	0.8242323540808
LUAD	TRIM33	cg02852257	-0.0600777183463401	475	-1.30203162049363	0.193546033791062	0.00360933224170217	0.374630344154503
LUAD	TRIM33	cg05792124	-0.0549591003193451	475	-1.19074681253208	0.23435659555097	0.00302050270791184	0.425302307788845
LUAD	TRIM33	cg16036305	-0.0286884761536037	475	-0.62088218523117	0.534979400926039	0.000823028664015886	0.711519310600429
LUAD	TRIM33	cg17645130	0.02543652985693	475	0.55045438151354	0.582270393383818	0.000647017051162494	0.747489941796081
LUAD	TRIM33	cg18199720	0.0884594163101768	475	1.92120129615388	0.0553134318259817	0.00782506833393717	0.155239081890591
LUAD	TRIM33	cg20932765	-0.0788302015678262	539	-1.8204727333275	0.0692508486506666	0.0062142006792241	0.182893146385455
LUAD	TRIM33	cg20992663	-0.341355653173966	475	-7.85656250202027	2.73050377410809e-14	0.116523681953825	1.94342919124396e-12
LUAD	TRIM33	cg21666217	0.207287135377528	540	4.89184530369405	1.32495467806893e-06	0.0429679564930216	2.1944544225185e-05
LUAD	TRIM33	cg21813112	-0.11074232223259	475	-2.40539338831839	0.0165438249231208	0.0122638619334667	0.0629007311022508
LUAD	TRIM66	cg06492264	0.0462113584737736	475	1.00077367692223	0.317453393046887	0.0021354896519916	0.516695314643265
LUAD	TRIM66	cg11245569	0.0678549464558396	441	1.41686507526279	0.157239785554516	0.00460429375852487	0.32592555160875
LUAD	TRIM66	cg12608775	0.0611474843204016	475	1.32530232336763	0.185717523122622	0.00373901483871375	0.364463787336375
LUAD	TRIM66	cg13143389	-0.0339434853564079	475	-0.734733248713262	0.462869953208753	0.00115216019814068	0.652221993356323
LUAD	TRIM66	cg27044202	-0.133081380653366	475	-2.90482857079846	0.00384850671557586	0.017710653876606	0.0201352297687476
LUAD	UBE2A	cg00142683	-0.00270416808788935	475	-0.0585003140830477	0.953375082201214	7.31252504755912e-06	0.975375614264448
LUAD	UBE2A	cg00428314	-0.0151689478687233	475	-0.328192276211102	0.742913069558768	0.000230096979444046	0.855487652401007
LUAD	UBE2A	cg00935924	-0.0847539933374756	475	-1.84013017184797	0.0663821567994412	0.00718323938664886	0.177272785213543
LUAD	UBE2A	cg05206294	-0.0154313602842592	475	-0.33387111874106	0.738626361637067	0.000238126880222613	0.8528821545702405
LUAD	UBE2A	cg06206449	-0.0248014490898055	475	-0.536702469817737	0.591728186263553	0.000615111876954214	0.754253114365217
LUAD	UBE2A	cg06273903	-0.0585003793166418	540	-1.35290313419661	0.176660163161376	0.00342229438019097	0.352703727267446
LUAD	UBE2A	cg09080960	-0.0432076851977131	475	-0.935598891521269	0.349962254030522	0.00186690406014468	0.54900108066244
LUAD	UBE2A	cg14625604	0.0299689980045323	540	0.692198962098732	0.489113826880099	0.000898140841395664	0.675090414781159
LUAD	UBE2A	cg15661671	-0.0545926527308071	475	-1.18278352634602	0.237495477194379	0.0029803577321865	0.428979617656771
LUAD	UBE2A	cg16211147	-0.00981052309630916	475	-0.212244278492953	0.832008871152587	9.62463634232154e-05	0.90992547450835
LUAD	UBE2A	cg17976175	-0.0171753434368176	475	-0.371614304355631	0.710348222843978	0.000294992422172632	0.834995386106653
LUAD	UBE2A	cg18990292	-0.0283131805643523	475	-0.612753397668871	0.540337040041661	0.000801636193669616	0.715639271652202
LUAD	UBE2A	cg25165659	-0.0125705646307371	475	-0.271964380657547	0.785769344176058	0.000158019095135538	0.881812731507512
LUAD	UHRF2	cg06523306	0.04053516717363	475	0.877631056340573	0.380594280506575	0.00164309977779413	0.578958769216435
LUAD	UHRF2	cg08487038	0.0105691435300114	539	0.243792235668762	0.80748571702349	0.000111706794957981	0.895805259082608
LUAD	UHRF2	cg13428749	0.0373442404634927	475	0.808443364128489	0.419246157795456	0.00139459229579516	0.614632059391296
LUAD	UHRF2	cg14078101	0.0502287577947368	475	1.08798749425316	0.277160605125927	0.00252292810960233	0.473888044026601
LUAD	UHRF2	cg20595300	0.067759263189702	540	1.5679476810153	0.117486802384301	0.00459131774801131	0.266907187504433
LUAD	UHRF2	cg24119045	0.0547782457199646	475	1.18681659438903	0.235902062102611	0.00300065620415682	0.427152783074053

LUAD	USP27X	cg00478198	0.0954845897575082	475	2.07512896091932	0.0385203485825887	0.00911730688115964	0.11906595667649
LUAD	USP27X	cg01125381	0.0952266333899049	475	2.06947152509041	0.0390501039100489	0.00906811170677535	0.120349567529449
LUAD	USP27X	cg01290688	-0.0130716226164968	475	-0.282806595818188	0.777450137753862	0.000170867317828111	0.876955007705481
LUAD	USP27X	cg01855997	0.124885228560681	475	2.72299839487691	0.00671093628710412	0.0155963203126536	0.0313311274991885
LUAD	USP27X	cg06455206	-0.0342504889877418	475	-0.741386351818076	0.458831072439651	0.00117309599589942	0.648786819517063
LUAD	USP27X	cg06624970	0.113713298477022	475	2.47605544076972	0.0136369602254524	0.0129307142505243	0.0542677163956595
LUAD	USP27X	cg16810342	0.142271252670484	475	3.1094277879316	0.00198882423981413	0.0202411093364287	0.0118430311538548
LUAD	USP27X	cg16867483	0.0984618066948296	475	2.14045539173254	0.0328341842987845	0.00969472737760999	0.105556158745553
LUAD	USP27X	cg19318186	0.11969701381363	475	2.60819401995723	0.00939314318643846	0.0143273751159004	0.0405848476004329
LUAD	USP51	cg00834229	0.0818733842920987	475	1.77715849610438	0.0761915688935271	0.00670325105544168	0.196091140718664
LUAD	USP51	cg01084827	0.0333081514224363	470	0.717103875978794	0.473671604527917	0.00110943295117995	0.661661100026823
LUAD	USP51	cg02714202	0.0906324046434231	475	1.9687813808842	0.0495678462231249	0.00821423277144919	0.143359395831726
LUAD	USP51	cg03728850	0.0842247823437435	475	1.82855789630749	0.0681021631242878	0.00709381396085096	0.180736863442529
LUAD	USP51	cg07386410	0.0867741447525352	475	1.88431940378703	0.0601413104971554	0.00752975219753394	0.164955509248518
LUAD	USP51	cg12064531	0.0890994994929975	475	1.93521375133907	0.0535661874662645	0.00793872080990266	0.151726011891015
LUAD	USP51	cg12517811	0.0883451576565433	475	1.91870024243062	0.0556302522074527	0.00780486688135949	0.155800425264822
LUAD	USP51	cg18770944	0.0721461051290652	540	1.66997400576942	0.095511624652783	0.00520506048529412	0.230430495526085
LUAD	USP51	cg21331369	0.103630965900556	475	2.2540166061638	0.0246569347851094	0.0107393770934822	0.0853160870289909
LUAD	USP51	cg25424556	0.0655936608032492	540	1.51761556469138	0.129704218579899	0.00430252833757171	0.285628454864055
LUAD	WDR82	cg01736403	0.108567353011105	475	2.36263626599317	0.0185536538022701	0.0117868701398379	0.068695585354995
LUAD	WDR82	cg03869063	0.0220605136910722	475	0.477358050822952	0.633330028205806	0.000486666264313986	0.784018271446524
LUAD	WDR82	cg10989431	0.135423210641289	475	2.95689131996032	0.00326468955553991	0.0183394459803949	0.0176260156349276
LUAD	WDR82	cg11442381	-0.0937639498580052	475	-2.03740022946523	0.0421719644860961	0.00879167829297452	0.127268021316654
LUAD	WDR82	cg11665333	-0.0268341355770813	475	-0.580720228036077	0.561708553467971	0.000720070832169181	0.732038182173577
LUAD	WDR82	cg12661343	-0.0313033201394283	475	-0.677526389816739	0.498406825339232	0.00097989785175154	0.682684401275468
LUAD	WDR82	cg13539115	0.00642457046220241	475	0.138987577738887	0.889519752339818	4.12751056238037e-05	0.941467059185646
LUAD	WDR82	cg15991175	-0.0620801183062566	475	-1.34559372097097	0.179085119567696	0.00385394108891882	0.355828360321031
LUAD	WDR82	cg17632831	0.105969371959091	475	2.30544910034084	0.0215779178917205	0.0112295077934041	0.0771607696836822
LUAD	WDR82	cg24007312	-0.0190540519153915	475	-0.412277013917961	0.68032517462576	0.000363056894394433	0.815589234957103
LUAD	WDR82	cg26236504	0.0598339734588901	475	1.29673005166821	0.195363060194137	0.00358010437987917	0.377075212448306
LUAD	WDR82	cg26858096	-0.121342108792647	475	-2.64457258992468	0.00845431040542289	0.0147239073662467	0.0374904305808282
LUAD	ZMYND1	cg00614684	-0.0908191457033068	475	-1.97287160460647	0.0490982679222562	0.00824811722627848	0.142375537327487
LUAD	ZMYND1	cg02813021	0.0485069679407622	540	1.12119013181	0.262711823119057	0.00235292593880613	0.458145297310496
LUAD	ZMYND1	cg02867818	-0.190124674969751	475	-4.18944118445363	3.34324334429285e-05	0.0361473920323536	0.000374491393413849
LUAD	ZMYND1	cg03254875	-0.0747171493637355	475	-1.62090989975241	0.105710487310596	0.00558265240904275	0.247804545586709
LUAD	ZMYND1	cg05236965	0.0764297842161907	475	1.65827955966141	0.0979310965803818	0.00584151191533347	0.23454380048563
LUAD	ZMYND1	cg08828193	-0.258216310938921	475	-5.78216264347059	1.34938241405562e-08	0.0666756632349053	3.5851726611695e-07
LUAD	ZMYND1	cg12639781	-0.0121476608773783	475	-0.262813476860146	0.792810003335431	0.000147565664791788	0.886436517792237
LUAD	ZMYND1	cg13939078	-0.0599272620726955	475	-1.29875909644809	0.194666161579769	0.00359127673952953	0.376114131083264
LUAD	ZMYND1	cg14255089	0.21807875789345	540	5.1589079496228	3.50932476769408e-07	0.0475583446443501	6.70113919926346e-06
LUAD	ZMYND1	cg14694828	-0.0448323176472845	475	-0.970847482198609	0.332125718610357	0.00200993670562701	0.531800812978258
LUAD	ZMYND1	cg17632565	-0.235261184307904	475	-5.23645337563075	2.47808548442287e-07	0.0553478248419573	4.90659664482547e-06
LUAD	ZMYND1	cg22593633	-0.081238638250095	475	-1.76328868924146	0.0785043381984849	0.0065997163447298	0.200189021726585
LUAD	ZMYND1	cg24757747	-0.0998451019491737	475	-2.17082744855045	0.0304461760006814	0.0099690443832409	0.0997905968315571
LUSC	ACTL6A	cg03667091	0.0534611513003175	504	1.19594193920054	0.232287193918815	0.00285809469835543	0.422890874627795
LUSC	ACTL6A	cg03839554	-0.430017268499335	369	-9.12467570175721	4.85881013299954e-18	0.184914851207629	5.38441987872601e-16
LUSC	ACTL6A	cg07261848	-0.523304463487758	369	-11.7645026288893	2.48937908340835e-27	0.273847561506211	5.88628438950362e-25
LUSC	ACTL6A	cg10112003	0.361940411691141	370	7.44819970162172	6.79480766340897e-13	0.131000861615153	3.93886190288552e-11
LUSC	ACTL6A	cg20132173	0.350489637631218	370	7.17894161849694	3.91078241995548e-12	0.122842986086862	2.00815450546545e-10
LUSC	ACTL6A	cg22619386	0.416608516392053	370	8.7911782580958	5.75705047160629e-17	0.173562655930388	5.69801506855139e-15
LUSC	ACTL6A	cg25198545	-0.0355026890880521	504	-0.793570282184732	0.427822824664556	0.0012604409324829	0.622094370503822
LUSC	ACTL6A	cg25575835	0.318558525829963	370	6.44687360272155	3.58791322126688e-10	0.101479534378959	1.28448284001489e-08
LUSC	ACTL6B	cg05729836	-0.0212551127882354	370	-0.407835896186876	0.683631323460144	0.000451779819640606	0.817755236712911
LUSC	ACTL6B	cg08572611	-0.0427902254790161	504	-0.956737528159443	0.339163031253522	0.00183100339654504	0.538439491272777
LUSC	ACTL6B	cg09375063	0.192810399570886	370	3.76947508022227	0.000190491854670641	0.0371758501826847	0.00166491610858793
LUSC	ACTL6B	cg14088161	-0.01893144574314	504	-0.422972267418567	0.672497714561555	0.000358399637925454	0.810430512282192
LUSC	ACTL6B	cg16024950	0.169250532623873	370	3.29431504323254	0.00108236869419504	0.0286457427934647	0.00717160294661521

LUSC	ACTL6B	cg20497359	-0.0388308781780224	370	-0.745467632472111	0.456464937024011	0.00150783710007642	0.646734174346547
LUSC	ACTL6B	cg24471254	0.0259560467621809	370	0.498091123470368	0.618717348169962	0.000673716363520524	0.773688979049231
LUSC	ACTL6B	cg26990587	0.115523839387453	370	2.23106914234526	0.026278505721905	0.0133457574668179	0.0894354007541317
LUSC	AEBP2	cg02664216	-0.0103933686758837	370	-0.199390150080307	0.842067688963817	0.000108022112432841	0.915500383495578
LUSC	AEBP2	cg07849438	-0.165089209492377	370	-3.21101970204411	0.00143904719255134	0.027254447090818	0.00908752636556044
LUSC	AEBP2	cg08161947	-0.364300277256124	370	-7.50416572140419	4.69578041855695e-13	0.132714692008889	2.78432577653368e-11
LUSC	AEBP2	cg24304000	-0.0667017812442125	370	-1.28241802154859	0.200503260045621	0.00444912762115078	0.38351630593632
LUSC	AEBP2	cg26259627	-0.0249746935955177	370	-0.479247176330736	0.632047458386739	0.000623735320189994	0.783041102953163
LUSC	AFF4	cg00931577	0.138106859537563	370	2.67498238516449	0.00780689337083086	0.0190735046513282	0.035278744571829
LUSC	AFF4	cg01907658	-0.0682974114683067	370	-1.31323791858356	0.18992102642985	0.00466453641327119	0.369970621185899
LUSC	AFF4	cg05619425	0.187486295724673	370	3.66154003764283	0.000287426376631101	0.0351511110845596	0.00235741144371532
LUSC	AFF4	cg06638012	0.0636535212582334	499	1.4176451160299	0.156924828492653	0.00405177076857237	0.325526482478406
LUSC	AFF4	cg07236381	0.0222866317994636	134	0.253190365523614	0.800524158829301	0.000496693956964862	0.891040859775671
LUSC	AFF4	cg13393914	0.0448079224107451	370	0.860429184466533	0.390112719349295	0.00200774991076735	0.587578487687493
LUSC	AFF4	cg13565585	-0.0531866471886431	370	-1.02174298350778	0.307573764374557	0.0028288194391692	0.506078541153855
LUSC	AICDA	cg07999668	0.0195960106564744	370	0.375988860025887	0.707141833153933	0.000384003633648659	0.833099194212029
LUSC	AIRE	cg08089567	0.00677327988323843	370	0.129937017336292	0.896687250738177	4.58773203766824e-05	0.945228092303768
LUSC	AIRE	cg09510531	0.0241905364925112	370	0.464190787841672	0.642785538616367	0.000585182055795518	0.790228325212499
LUSC	AIRE	cg11923631	0.0334937211036652	370	0.64288167696617	0.520701229317415	0.00112182935337011	0.700917625856848
LUSC	AIRE	cg12843033	0.0235490604602115	370	0.451874618772213	0.651625523870003	0.000554558248558699	0.796376598547507
LUSC	AIRE	cg15955655	-0.00262657972149659	370	-0.0503867091146525	0.959841564460628	6.89892103337709e-06	0.979020777050611
LUSC	AIRE	cg16501323	0.0159359225553224	370	0.305742823690226	0.759973343556534	0.000253953627689234	0.86647564615777
LUSC	AIRE	cg16717549	0.0505113438183764	370	0.970214070429225	0.332577038180543	0.00255139585433823	0.532316798280695
LUSC	AIRE	cg17356252	0.0281744122236257	504	0.629618639720358	0.529232288307579	0.00079379750414679	0.707455781094917
LUSC	AIRE	cg18689454	0.0400961119366483	370	0.76979583895254	0.441914854003441	0.00160769819243623	0.634361418896397
LUSC	AIRE	cg18876487	0.0358003450045649	504	0.800232108813552	0.423957131955205	0.00128166470244588	0.618960704200492
LUSC	AIRE	cg23272544	0.00615183484198388	370	0.118014887007671	0.906120249779461	3.78450719230469e-05	0.950325748610222
LUSC	AIRE	cg27251412	0.0267840543440229	370	0.513991646752319	0.607566324942918	0.00071738556710357	0.765512117691226
LUSC	ARID1A	cg04081153	0.0368404143169569	370	0.707201757014449	0.479888693545534	0.00135721612704504	0.667175298907736
LUSC	ARID1A	cg04360147	0.100466572019008	370	1.93708381524235	0.053500120938348	0.0100935320932505	0.151593094455576
LUSC	ARID1A	cg14851949	0.0232016030105718	370	0.445203762362976	0.656434270983125	0.000538314382260175	0.799753303319518
LUSC	ARID1A	cg17385674	0.21861777110533	504	5.00460973688868	7.77241397775379e-07	0.0477937298430626	1.36674315774272e-05
LUSC	ARID1A	cg20413923	0.0996605927269364	370	1.9213872941136	0.0554550179800433	0.00993223374268428	0.155516170595698
LUSC	ARID1A	cg21294655	-0.144026851248401	370	-2.79202431333946	0.00551130454674112	0.020743733880529	0.0268083802856987
LUSC	ARID1A	cg24542126	-0.0272524076335319	370	-0.5229860677677	0.601298684651519	0.00074269372182419	0.761023347835223
LUSC	ARID1A	cg25601319	-0.189530105122254	370	-3.70293381909551	0.00024576232865666	0.0359216607476527	0.00206266421356308
LUSC	ARID2	cg00035453	-0.129242720863793	368	-2.49347161304978	0.0130909484446582	0.0167036808962762	0.0526085981663261
LUSC	ARID2	cg01183821	-0.111361404836758	370	-2.14965304013295	0.0322340273893634	0.0124013624872163	0.104154092321322
LUSC	ARID2	cg01353809	-0.24015579394023	370	-4.74587807501628	2.97680819474626e-06	0.0576748053630623	4.48272970774468e-05
LUSC	ARID2	cg01751433	0.0106159786811186	370	0.20366125737262	0.838730792005308	0.000112699003357965	0.913698406530171
LUSC	ARID2	cg06613666	0.167124223061186	370	3.25173131636196	0.00125295647734514	0.0279305059338052	0.00810110506969649
LUSC	ARID2	cg07276957	-0.145603048345459	370	-2.82323774343903	0.00501259179124786	0.0212002476874902	0.0248185823452353
LUSC	ARID2	cg23465749	-0.181165578483479	368	-3.51457601044367	0.000495996831889081	0.032820968272536	0.00372447659652309
LUSC	ARID4A	cg02136725	0.138069585333453	370	2.67424639133688	0.00782371498079743	0.0190632103941517	0.0353222728347835
LUSC	ARID4A	cg06154646	0.124057791583246	370	2.39836848049085	0.0169655035171293	0.0153903356525121	0.0641278062587609
LUSC	ARID4A	cg08066755	-0.107081305123547	370	-2.06605485778215	0.0395226743909932	0.0114664059069621	0.121425967835904
LUSC	ARID4A	cg08790491	-0.122745185384004	504	-2.76281151915648	0.0059421667299855	0.0150663805349535	0.0284575793272896
LUSC	ARID4A	cg10064886	-0.112674394083194	370	-2.17532217283207	0.0302419872093585	0.0126955190820148	0.0992761057036388
LUSC	ARID4A	cg10242170	-0.0962581807283266	370	-1.85516672259997	0.064371933059376	0.00926563735712718	0.173296541524072
LUSC	ARID4A	cg10844118	-0.113953549629426	370	-2.20034094985379	0.0284035437183795	0.012985411473146	0.0947889528560601
LUSC	ARID4A	cg12203852	0.134499356209302	504	3.03203809724393	0.00255541545493652	0.0180900768207166	0.014491533181482
LUSC	ARID4A	cg14272338	6.77009182456525e-05	370	0.00129872879449518	0.998964468362607	4.58341433130452e-09	0.999495321926944
LUSC	ARID4A	cg14460816	-0.111970579265996	370	-2.16156106364381	0.0312962907338714	0.0125374106211628	0.101884163214821
LUSC	ARID4A	cg17323045	-0.00420491437653601	370	-0.08066495681329	0.935752256645205	1.76813049139992e-05	0.965755985533756
LUSC	ARID4A	cg19548283	-0.195499581922204	370	-3.824123338094	0.000154101623693388	0.0382200865317564	0.00139413672678258
LUSC	ARID4A	cg20996579	0.0531815793603982	370	1.02164535176465	0.307619924902608	0.00282828038326633	0.506120659240003
LUSC	ARID4A	cg26429530	-0.00138206007437252	370	-0.0265125344078267	0.978862907132834	1.91009004917457e-06	0.989094294612233

LUSC	ARID4A	cg27026909	-0.196306030039804	370	-3.84052899929988	0.000144529310112216	0.0385360574299885	0.00131857782935027
LUSC	ARID4B	cg05652840	0.231309823762742	370	4.56098505725226	6.94428799456514e-06	0.0535042345691506	9.4809396323131e-05
LUSC	ARID4B	cg06212607	0.0638650023639924	504	1.42955445534925	0.153470687969245	0.00407873852695275	0.320699558759743
LUSC	ARID4B	cg06891548	-0.219851941062983	370	-4.32326778494697	1.98167059289784e-05	0.0483348759891615	0.000237428125833813
LUSC	ARID4B	cg07814876	-0.211461523527936	370	-4.15039096336109	4.12721647885039e-05	0.0447159759327558	0.000450249163869986
LUSC	ARID4B	cg10107779	0.226099744869825	370	4.45265027548268	1.12625077313874e-05	0.0511210946302	0.000145299423956145
LUSC	ARID4B	cg11732257	-0.203625422392069	370	-3.98980378140058	7.98105799641923e-05	0.0414633126443486	0.000793150773854672
LUSC	ARID4B	cg22596515	0.20529789926179	370	4.02400984353574	6.94754470958927e-05	0.0421472274413039	0.000705215674762249
LUSC	ARID4B	cg23687319	-0.282738553609901	504	-6.58457103105936	1.1583139221735e-10	0.079941089697419	4.58108150795961e-09
LUSC	ARID4B	cg26020585	0.202803880274954	370	3.97301469315826	8.54019957647793e-05	0.0411294138545779	0.000839813280056281
LUSC	ASH1L	cg03119126	-0.146406586608249	370	-2.8391586471114	0.00477432314592299	0.0214348886022788	0.0239003645562854
LUSC	ASH1L	cg08095278	0.324050281261108	370	6.57093055384657	1.71117109391421e-10	0.105008584785403	6.53825363850501e-09
LUSC	ASH1L	cg09410084	0.292248116779394	370	5.8622206349337	1.01614178253103e-08	0.0854089617611025	2.77562267662285e-07
LUSC	ASH1L	cg10558228	-0.187791811034673	367	-3.65274400891286	0.00029742034901811	0.0352657642916824	0.00242684273458306
LUSC	ASH1L	cg17038116	0.0768267385960459	504	1.72126661690389	0.0858222635280365	0.00590234776330517	0.213503155284451
LUSC	ASH1L	cg20064047	0.00142473313517091	370	0.027331148067121	0.978210428660998	2.02986450645393e-06	0.98869783888923
LUSC	ASH1L	cg21852905	-0.110745282738836	370	-2.13761170067118	0.0332067446740553	0.0122645176489048	0.106496495657891
LUSC	ASH1L	cg23821590	-0.0571631431934185	370	-1.09837522390219	0.272758783448348	0.00326762493975127	0.469146967649161
LUSC	ASH1L	cg24312492	-0.153742799068762	370	-2.98478465065101	0.00302739860571522	0.0236368482654978	0.0165889587330429
LUSC	ASH1L	cg26185843	-0.227781975604727	370	-4.4875848256357	9.64637487399402e-06	0.0518846284103924	0.000126783255101789
LUSC	ASH2L	cg00590869	0.318187199922826	370	6.43851176986973	3.77006910260464e-10	0.101243094194728	1.34536126499094e-08
LUSC	ASH2L	cg01642070	-0.0174501414432806	368	-0.333891702989559	0.738652502498136	0.000304507436390499	0.852828518964959
LUSC	ASH2L	cg02897270	-0.0536249343998944	370	-1.03018688972943	0.303598880185574	0.00287563358939298	0.502066009108143
LUSC	ASH2L	cg03189282	-0.221393847654531	370	-4.35514559006805	1.7263098531763e-05	0.0490152357792775	0.000210727363436367
LUSC	ASH2L	cg03705346	0.0481183262486344	370	0.924140028073862	0.356018975745192	0.00231537332097002	0.554799950419599
LUSC	ASH2L	cg10062221	0.0823817328212371	370	1.585745836076	0.113655858864683	0.0067867499026297	0.260886743831849
LUSC	ASH2L	cg21453287	0.138039567439159	370	2.67365368462294	0.00783728536532832	0.0190549221787901	0.0353671197697286
LUSC	ASH2L	cg24318412	0.110687422399351	504	2.48785693575659	0.0131768776648529	0.0122517054774123	0.0528774384122337
LUSC	ASH2L	cg27255459	0.182894579086114	370	3.5687216542024	0.000406212396867615	0.0334504270590869	0.00314342854888285
LUSC	ASXL1	cg00174466	0.0708806782723256	370	1.36315577220918	0.173666856887821	0.00502407055234493	0.348687334556628
LUSC	ASXL1	cg04218270	-0.132114874809263	370	-2.55681470915369	0.010964085090041	0.0174543401458671	0.0458096677297118
LUSC	ASXL1	cg09065199	0.134581732626769	504	3.03392936514707	0.00253974206325815	0.0181122427568231	0.0144290289979628
LUSC	ASXL1	cg10421984	-0.229257138965583	370	-4.51825411351246	8.4130458092355e-06	0.0525588357666845	0.000112338566028779
LUSC	ASXL1	cg12592359	-0.0848131310350115	370	-1.63288142527857	0.103349220745127	0.00719326719596202	0.243819538397162
LUSC	ASXL1	cg16926526	0.254427290316775	370	5.04684368542111	7.07499836082468e-07	0.0647332460579363	1.25689066563598e-05
LUSC	ASXL1	cg18793288	0.0188698252001438	370	0.362050473586824	0.717522122976867	0.000356070303083983	0.839556120852808
LUSC	ASXL1	cg24727216	-0.0466301281295747	370	-0.895495051752632	0.371107870841017	0.00217436884938055	0.569798206015871
LUSC	ASXL2	cg05165989	0.258592539998733	370	5.13533581788211	4.57490413297045e-07	0.0668701017429961	8.52047144171183e-06
LUSC	ASXL2	cg05496738	0.0223703863469925	370	0.429245834211638	0.667995519614771	0.000500434185313708	0.807397050092813
LUSC	ASXL2	cg06583696	0.244261395813745	370	4.83211350033837	1.98665363321212e-06	0.0596636294848788	3.14189332673518e-05
LUSC	ASXL2	cg09476286	0.0723451236980909	370	1.39146621590689	0.164924648365664	0.00523381692289207	0.336784651799623
LUSC	ASXL2	cg19084174	-0.0897572219393725	370	-1.72882013833496	0.0846799894306913	0.00805635889027377	0.211466201135439
LUSC	ASXL2	cg20667782	0.277522057423187	370	5.54146910053754	5.72603523638311e-08	0.0770184923563985	1.31868320064887e-06
LUSC	ASXL2	cg24738909	0.0168878552857995	370	0.32401144223389	0.746113444829667	0.000285199656154107	0.857446845716383
LUSC	ASXL3	cg09963640	-0.136502292181211	370	-2.64331001266071	0.00856095088499914	0.0186328757707246	0.0378511289086458
LUSC	ASXL3	cg12361352	-0.0607343895884086	369	-1.16565536711766	0.24451081874815	0.00368866607867659	0.437355712169906
LUSC	ASXL3	cg17880622	-0.0594853640093609	370	-1.14315145350626	0.253718840490843	0.00353850853132617	0.447741838739302
LUSC	ASXL3	cg20034091	-0.0598775530289602	370	-1.15071531983635	0.250596530539771	0.00358532135673595	0.4442931685223
LUSC	ASXL3	cg20329085	-0.0454752514869327	370	-0.873270006290596	0.383085395476736	0.00206799849779978	0.581293306852562
LUSC	ASXL3	cg24880056	-0.0788369226970962	370	-1.51707625659618	0.130105972139239	0.00621526038034793	0.286313739992495
LUSC	ASXL3	cg27109877	-0.0750098289138149	370	-1.44300324498922	0.149870196348337	0.00562647443367978	0.315449189792276
LUSC	ATAD2B	cg08192560	0.0213310969852835	370	0.409294517705822	0.682561653169872	0.000455015698595569	0.817027372932393
LUSC	ATAD2B	cg14009731	0.106894572204565	370	2.06241030304718	0.0398700742755594	0.0114264495667969	0.122198903088522
LUSC	ATAD2B	cg15717719	0.111212640403085	370	2.1467453951649	0.0324666380024274	0.0123682513854259	0.10470564782194
LUSC	ATAD2B	cg16929802	0.26908756291543	370	5.35968251611962	1.47429216982237e-07	0.0724081165157654	3.07812896025662e-06
LUSC	ATAD2B	cg17933838	0.144389471759246	370	2.79920335560812	0.00539277693887622	0.0208483195549141	0.0263504609749976
LUSC	ATAD2B	cg19614157	0.0410154611289075	370	0.787475617043481	0.431510386365612	0.00168226805161693	0.625402169222148

LUSC	ATAD2B	cg20806130	-0.0434849673802074	370	-0.834976128838849	0.404272883264228	0.0018909423880577	0.600693257579957
LUSC	ATAD2B	cg27610867	-0.100013553910501	370	-1.92826077370689	0.0545917364544079	0.0100027109658088	0.153876218092518
LUSC	ATAT1	cg01245721	-0.329482336513286	370	-6.6943690263291	8.10598920160251e-11	0.108558610074254	3.29465686493974e-09
LUSC	ATAT1	cg05093836	0.0999956335283745	370	1.92791177888108	0.0546352959718704	0.00999912672474097	0.153929386311592
LUSC	ATAT1	cg06814856	-0.0123940647579451	370	-0.237777649424089	0.812185884354875	0.000153612841224137	0.898789811498595
LUSC	ATAT1	cg07142893	-0.0243895879909909	370	-0.468012639545978	0.640052605523927	0.000594852002370288	0.788500861375315
LUSC	ATAT1	cg07816366	-0.00266511464193437	370	-0.0511259448220492	0.959252901083658	7.10283605465299e-06	0.978679583446926
LUSC	ATAT1	cg08081524	-0.0950888623271285	370	-1.83242375401185	0.067696208367245	0.00904189173866761	0.179935726176078
LUSC	ATAT1	cg08188471	-0.224288665189448	370	-4.41508686521899	1.32889061327802e-05	0.0503054053324645	0.000167688104410949
LUSC	ATAT1	cg08635134	-0.0550220732714127	370	-1.05710774590445	0.291155854674376	0.0030274285470847	0.488711032179606
LUSC	ATAT1	cg09532691	-0.335048058396209	370	-6.82161862771144	3.71207477713358e-11	0.11225720143507	1.59018251768904e-09
LUSC	ATAT1	cg12907138	-0.00507735766790869	370	-0.097401863332285	0.922460291326412	2.57795608878712e-05	0.959267947752903
LUSC	ATAT1	cg13542073	-0.342697668111212	370	-6.9978294670057	1.23646703449394e-11	0.117441691728863	5.7841080265437e-10
LUSC	ATAT1	cg13964084	-0.0170443059156616	504	-0.380796269817171	0.703516485069818	0.000290508364146656	0.830604505008596
LUSC	ATAT1	cg15381130	-0.0186078858973725	370	-0.357022958636515	0.721279257678454	0.000346253417569633	0.842055324026617
LUSC	ATAT1	cg15729859	-0.00445719081545606	370	-0.0855045942176015	0.931906742763392	1.98665499653859e-05	0.96387191143941
LUSC	ATAT1	cg18298197	-0.103064929450624	370	-1.9877134593029	0.0475841032563571	0.010622379682662	0.139200159209755
LUSC	ATAT1	cg20629923	0.00576086301909343	370	0.110514347738853	0.912061716802444	3.31875427247583e-05	0.953306398110749
LUSC	ATAT1	cg22759096	-0.339617466757795	370	-6.92668978266625	1.93198864530323e-11	0.115340023726982	8.68267617982206e-10
LUSC	ATAT1	cg23328390	-0.0141920060995339	370	-0.272277302404803	0.785561510312646	0.000201413037129206	0.8816685248761
LUSC	ATAT1	cg26934609	-0.0250909817807571	370	-0.481480069023659	0.630461521720538	0.000629557366722284	0.781930307134194
LUSC	ATF7IP	cg00236831	0.111267892885847	370	2.14782530425604	0.0323800776482703	0.0123805439872562	0.104478463731628
LUSC	ATF7IP	cg11409060	-0.0965467938382496	370	-1.86078136899887	0.0635724146815935	0.00932128340044547	0.171714608094854
LUSC	ATF7IP	cg11697652	0.0116806045369174	134	0.132675216358685	0.894656975149682	0.000136436522347855	0.944029938671375
LUSC	ATF7IP	cg12526346	0.0282448173651569	370	0.542045798958923	0.588115012421736	0.00079776970799107	0.751742811921206
LUSC	ATF7IP	cg12948116	0.00560912224863127	370	0.107603313927028	0.914369008133221	3.14622524000903e-05	0.954797619043165
LUSC	ATF7IP	cg17439009	0.209330707104481	370	4.10664227204346	4.94992830198048e-05	0.043819344936862	0.000525125763431432
LUSC	ATF7IP	cg19789919	0.0373116842257854	370	0.716260954799805	0.474284507611268	0.00139216177976472	0.662224297959491
LUSC	ATF7IP	cg21275967	0.139090297760108	370	2.69440495625554	0.00737457413942922	0.0193461109309955	0.0337350123840266
LUSC	ATF7IP	cg26637901	0.0556368323021879	500	1.23976167639065	0.21565096847785	0.00309545710862178	0.40279355202319
LUSC	ATM	cg01756564	-0.130141462187254	370	-2.51796026131453	0.0122273275212777	0.0169368001802364	0.0499036103662071
LUSC	ATM	cg01800843	-0.0994367412026676	504	-2.23231213599014	0.0260373342612539	0.00988766550100629	0.0888437379499093
LUSC	ATM	cg01991180	-0.0778994070721652	370	-1.49892462434646	0.134750515755198	0.0060683176221949	0.293323118883538
LUSC	ATM	cg02105423	0.0468127091060778	370	0.899009061948325	0.369235690913238	0.00219142973385026	0.567921257046629
LUSC	ATM	cg03165700	-0.0729233729327263	504	-1.6333343224251	0.103029650501628	0.00531781831988547	0.243324739370021
LUSC	ATM	cg03569616	-0.136319309711953	370	-2.63969949425635	0.00865093529455014	0.0185829542003435	0.0381492466585927
LUSC	ATM	cg04709886	-0.0916302128186964	370	-1.76519825965478	0.0783597797880044	0.00839609590119959	0.199906959724047
LUSC	ATM	cg04826772	0.109484734530685	370	2.11298361380097	0.0352750043128058	0.0119869070952546	0.111485030578209
LUSC	ATM	cg05033322	-0.11889293471034	370	-2.2970547617428	0.0221764744918134	0.0141355299240371	0.0787006366778947
LUSC	ATM	cg05637308	0.0869743656202684	370	1.67480420441311	0.0948221831585083	0.00756454027504813	0.229272339994194
LUSC	ATM	cg06053805	-0.0509969506573169	370	-0.979565736377287	0.327944052972877	0.00260068897634482	0.527468721586453
LUSC	ATM	cg06081482	-0.151269210426672	370	-2.93562802896717	0.0035378127582627	0.0228823740231087	0.01880564439469
LUSC	ATM	cg06750635	0.0195886546005437	370	0.375847665115499	0.70724671504866	0.000383715389059403	0.833137251480117
LUSC	ATM	cg09808176	-0.107047514450559	370	-2.065395332851	0.0395853486052154	0.0114591703500426	0.121575310280068
LUSC	ATM	cg10610482	-0.103700153875882	370	-2.00009718070968	0.0462242321425288	0.0107537219138816	0.136236708289293
LUSC	ATM	cg10976287	-0.164129936653315	370	-3.19184355545226	0.00153528613666291	0.0269386361058213	0.00958017564093642
LUSC	ATM	cg11588932	-0.0796494855714968	370	-1.53281190122196	0.126181417281004	0.00634404055180408	0.280261446851061
LUSC	ATM	cg12019961	-0.127895269350941	361	-2.44333488920595	0.0150332883068	0.0163571999223499	0.0584749815269599
LUSC	ATM	cg12106634	-0.0767997130543238	370	-1.47763808351205	0.140359982961654	0.00589819592522647	0.301901252889817
LUSC	ATM	cg12848864	-0.0797732193971683	370	-1.53520833124808	0.125591943430412	0.00636376653298875	0.279342967955898
LUSC	ATM	cg14761454	-0.152807004322067	365	-2.94596167562927	0.00342727154402952	0.0233499805698843	0.0183244785220778
LUSC	ATM	cg15370815	0.265052285461677	370	5.27318493972058	2.29185123629153e-07	0.0702527140284584	4.57159679682214e-06
LUSC	ATM	cg15504467	-0.154221008668401	370	-2.99429451313444	0.00293680604467914	0.0237841195146992	0.0161848887390032
LUSC	ATM	cg16693212	-0.105603054542252	370	-2.03720916333479	0.0423441544167119	0.0111520051286539	0.127644482066636
LUSC	ATM	cg16788234	0.0219438884214935	370	0.421058156509977	0.6739584191664	0.000481534239054956	0.81150819187455
LUSC	ATM	cg17114932	-0.140460885800355	370	-2.72148717809834	0.00680774914854226	0.0197292604398203	0.0316918219892105
LUSC	ATM	cg17420659	-0.111828015791676	370	-2.15877403984586	0.0315136315053114	0.0125055051159032	0.102430494247689

LUSC	ATM	cg18042593	-0.107876301853704	370	-2.08157366527223	0.0380721565781914	0.0116372965016315	0.118046464745469
LUSC	ATM	cg18391757	-0.00853969451981644	370	-0.163825718427801	0.869958281708513	7.29263824917829e-05	0.931030451737245
LUSC	ATM	cg18457775	-0.129949566036222	504	-2.92767835908986	0.00357100032806749	0.0168868897130024	0.0189483936649398
LUSC	ATM	cg19288979	0.1671397704831	370	3.25204251526954	0.00125162411186584	0.0279357028771433	0.00809518175577748
LUSC	ATM	cg20342375	-0.0339013833336127	370	-0.650715333804254	0.515636332244959	0.00114930379193255	0.696921338859426
LUSC	ATM	cg22477592	-0.00731359704814105	504	-0.163377752235247	0.87028716494835	5.34887017825775e-05	0.931198052151149
LUSC	ATM	cg22678707	-0.106372777247085	370	-2.05222735299605	0.040854533524908	0.0113151677392579	0.124276123447122
LUSC	ATM	cg22837512	-0.0363887876339669	370	-0.698520603402332	0.485292859380623	0.00132414386546994	0.671890809636338
LUSC	ATM	cg23275463	-0.131080994942397	369	-2.53300624516566	0.0117246845784681	0.0171822272350887	0.0482776749112023
LUSC	ATM	cg23389069	0.00992703596045226	370	0.190442951899636	0.849067055478931	9.85460429601124e-05	0.919526158087897
LUSC	ATM	cg24030675	-0.0785519645426633	370	-1.5115586363678	0.131504402611945	0.00617041113351183	0.288395497893993
LUSC	ATM	cg24568245	-0.142521523693039	370	-2.76223457529946	0.00602877231781794	0.0203123847157853	0.0287780106129174
LUSC	ATM	cg25400013	-0.0116824660294653	370	-0.224123850151372	0.822785312935599	0.000136480012529612	0.90463875321067
LUSC	ATM	cg25740661	-0.0263676067209714	370	-0.505994325061	0.613163602208273	0.000695250684191815	0.7696994594873
LUSC	ATM	cg25918541	-0.09770271130580639	370	-1.88327325277278	0.0604517538205919	0.00954582013890637	0.165535029751192
LUSC	ATM	cg27453365	-0.06459392024962	370	-1.247171940273991	0.215130932501789	0.00417237453321427	0.402160176932457
LUSC	ATM	cg27599391	-0.135079262244201	370	-2.61523873262918	0.00928324929989338	0.0182464070884375	0.0402524156624906
LUSC	ATR	cg00911981	0.0420344314539108	370	0.807073527410536	0.420145432805387	0.00176689342765353	0.615436761141634
LUSC	ATR	cg00969988	0.0291630019096473	370	0.559681425235471	0.576037244549371	0.00085048068038209	0.74270670856169
LUSC	ATR	cg11458642	0.186186675167011	504	4.23311386541903	2.74395928307476e-05	0.0346654780097462	0.000315308077500026
LUSC	ATR	cg11936145	0.0453421833915849	370	0.870709401939724	0.384480472612573	0.00205591359471611	0.582648755944725
LUSC	ATR	cg15135999	0.321710901390355	370	6.51799513887202	2.34996820012304e-10	0.103497904073395	8.72617785968362e-09
LUSC	ATR	cg15291273	0.119070261248774	370	2.30053000941631	0.0219768592549279	0.0141777271138513	0.0781848350883916
LUSC	ATR	cg15480357	0.0293370164429692	370	0.563023891403986	0.573761473444808	0.000860660533775045	0.741054590004739
LUSC	ATR	cg16031872	0.269083918577634	370	5.35960426213944	1.47488453780715e-07	0.0724061552370947	3.07853951527152e-06
LUSC	ATR	cg17945282	0.191929230942183	370	3.7515876597723	0.000204068755475554	0.0368368296900579	0.0017660835202431
LUSC	ATR	cg20032934	-0.230142963548143	370	-4.53668656522785	7.746192353594e-06	0.0529657836707221	0.000104601160901838
LUSC	ATR	cg20636078	0.0517216788383471	504	1.15692328477521	0.247857229795213	0.00267513206185712	0.441209306089867
LUSC	ATR	cg24631870	0.000519650338783897	370	0.00996862324930582	0.992051722978436	2.70036474598219e-07	0.995784705919427
LUSC	ATR	cg24856922	0.290290978955691	370	5.81933630308435	1.28605990613422e-08	0.0842688524630535	3.43924868813358e-07
LUSC	AURKB	cg02245743	-0.00789901983435064	370	-0.151534200824582	0.87963736988872	6.23945143434647e-05	0.936190363294417
LUSC	AURKB	cg04612488	-0.189542458647862	370	-3.70318416928435	0.000245528594393066	0.0359263436302765	0.00206092484594456
LUSC	AURKB	cg05617798	-0.234667769604351	370	-4.63102683698046	5.05435955144999e-06	0.0550689620910806	7.18827873757771e-05
LUSC	AURKB	cg05811247	-0.106966611067411	370	-2.06381629344209	0.039735747913196	0.0114418558832467	0.121894366144958
LUSC	AURKB	cg11009596	0.0149685655403251	504	0.334409891613179	0.738210782059719	0.000224057954335009	0.852571587754476
LUSC	AURKB	cg12844497	0.10041855410362	504	2.25457683110705	0.0245926957683231	0.0100838860082618	0.0851468322845219
LUSC	AURKB	cg13678641	-0.203783848824517	370	-3.99304240422911	7.87727571889126e-05	0.0415278570417337	0.000784540759538377
LUSC	AURKB	cg21724796	-0.155804290174914	370	-3.02579569026298	0.00265417229910577	0.0242749768369087	0.0149330064248669
LUSC	BAP1	cg00794529	0.0200600900653051	370	0.384896699579331	0.70053630124196	0.000402407213428153	0.828469026296606
LUSC	BAP1	cg02503646	-0.0121322866254676	370	-0.232754741085527	0.816081256475739	0.000147192378762499	0.901002685895169
LUSC	BAP1	cg03075736	0.00462729483923463	370	0.0887678561780867	0.929314691599221	2.14118575292074e-05	0.962625590773479
LUSC	BAP1	cg05442719	0.0498750740752626	370	0.957962028085696	0.338710831010984	0.00248752301401293	0.538067469575962
LUSC	BAP1	cg05908979	-0.0714278628679621	370	-1.37373281765239	0.17036086681745	0.0051019395938844	0.344154698205529
LUSC	BAP1	cg09096430	0.0432768389287524	370	0.83097223577652	0.40652812701938	0.00187288478766518	0.602802857451693
LUSC	BAP1	cg10449522	-0.0121982872651811	370	-0.234021133998025	0.815098707493538	0.000148798212203879	0.900551269806447
LUSC	BAP1	cg10956904	0.0230842862088298	370	0.44295142662474	0.658061132973208	0.000532884269771169	0.800970175212281
LUSC	BAP1	cg11234564	-0.0362580958794407	370	-0.696008530878225	0.486862817040131	0.00131464951680271	0.673245380718201
LUSC	BAP1	cg12859382	-0.089554390886105	370	-1.72488177380246	0.085388395564029	0.00801998892698129	0.212722771433612
LUSC	BAP1	cg16841708	-0.070809393585083	370	-1.36177793474519	0.174101036889481	0.00501397021988719	0.349270374621522
LUSC	BAP1	cg24291822	-0.0133224571609731	370	-0.255591723303472	0.798408907660873	0.000177487864805963	0.889900735108213
LUSC	BAP1	cg24747396	0.0742776488362392	504	1.66383316277012	0.0967735949396953	0.00551716911663967	0.232602269194175
LUSC	BAP1	cg25749966	-0.0520021696257965	370	-0.998926152708071	0.318486842689745	0.00270422564579011	0.517868140380118
LUSC	BAZ1A	cg00169548	-0.126710149529073	134	-1.45084477141798	0.149250423941452	0.0160554619936801	0.314706659080103
LUSC	BAZ1A	cg05294307	0.0318914554558436	369	0.611263321939898	0.541403690325417	0.00101706493109205	0.716401467659599
LUSC	BAZ1A	cg07414384	-0.102312037666662	504	-2.29753444575628	0.0220012579418116	0.0104677530515045	0.0782537426995835
LUSC	BAZ1A	cg23422263	-0.235160198207519	370	-4.64131284218343	4.8223837688581e-06	0.0553003188209995	6.89491863470956e-05
LUSC	BAZ1A	cg26967526	-0.0160723207872093	370	-0.308360401060389	0.757982584756923	0.00025831949548696	0.865048320822103

LUSC	BAZ1B	cg00525989	0.181554461929433	370	3.54167797821421	0.00044867277179027	0.0329620226464858	0.00342196564790709
LUSC	BAZ1B	cg04742505	0.236569828093654	370	4.67077859031197	4.2131495418128e-06	0.0559652835642612	6.11716602194448e-05
LUSC	BAZ1B	cg05166819	0.032959784507461	370	0.632622011181152	0.527373386680278	0.00108634739477827	0.706006996411403
LUSC	BAZ1B	cg06059318	0.207679844975501	370	4.07278982701611	5.69131745531607e-05	0.0431309180090482	0.000593737897437117
LUSC	BAZ1B	cg06394887	0.294498554486129	370	5.91163127284329	7.7331048178347e-09	0.0867293985944193	2.16476846419083e-07
LUSC	BAZ1B	cg14093368	-0.0090608913423389	504	-0.202413289898026	0.839676138494641	8.2099751917672e-05	0.914178844724627
LUSC	BAZ1B	cg15636799	-0.133841659479217	370	-2.59083867462204	0.00995493734031191	0.0179135898121506	0.0424673390794157
LUSC	BAZ1B	cg19160975	-0.0646895630786034	370	-1.24356571056915	0.214451054101445	0.0041847395713006	0.401226678758245
LUSC	BAZ1B	cg20612831	-0.0277855417765208	370	-0.533224982849816	0.594199725892151	0.000772036331814781	0.755881438271479
LUSC	BAZ1B	cg21340129	-0.0222739204235251	370	-0.42739391295625	0.669342408628558	0.00049612753103353	0.808277037919501
LUSC	BAZ1B	cg25710357	0.219027056884069	370	4.30622789880377	2.13260006327229e-05	0.0479728516472971	0.000253171813401808
LUSC	BAZ2A	cg14634319	0.248788730159521	504	5.73793261298587	1.6642228081111e-08	0.061895832254387	4.34743281175939e-07
LUSC	BAZ2A	cg18206859	0.129179198492551	370	2.4990253585241	0.0128886356463818	0.016687265323178	0.052005110034991
LUSC	BAZ2A	cg18955060	0.0685892557597987	370	1.3188760339657	0.188030678374071	0.00470448600568309	0.367492176500665
LUSC	BAZ2A	cg25683012	0.274742672276856	504	6.38291507413553	3.97569959850829e-10	0.0754835359698281	1.41290806106146e-08
LUSC	BRD7	cg03021120	-0.218062246461084	370	-4.28630981576102	2.32295770578092e-05	0.0475511433316547	0.00027302035317045
LUSC	BRD7	cg16433860	-0.17430121168796	370	-3.39565639242285	0.000759308463283159	0.0303809123958912	0.00533167637807113
LUSC	BRD7	cg16834187	0.0481683070845917	497	1.06966636933464	0.285294001599618	0.00232018580739553	0.482513241307927
LUSC	BRD8	cg01096096	0.0485334111565643	370	0.932130713087373	0.351880108740693	0.00235549199849212	0.550743625852517
LUSC	BRD8	cg03204906	-0.112001741648244	370	-2.16217028607483	0.0312489540418182	0.01254439013224	0.101765787455174
LUSC	BRD8	cg03684156	0.00044836917346393	370	0.00860121292929203	0.993141970412186	2.01034915712727e-07	0.996437637722882
LUSC	BRD8	cg07430605	0.091200272240297	504	2.04578542681677	0.0413012134170698	0.00831748965670429	0.125282172524664
LUSC	BRD8	cg07632946	-0.120195091849234	370	-2.32257966893179	0.0207465417230576	0.0144468601046457	0.0749005228700363
LUSC	BRD8	cg08976717	0.0297893387732135	370	0.571712326194827	0.567865911434787	0.000887404704545281	0.736510514144506
LUSC	BRD8	cg11110536	-0.0322888124837758	370	-0.619729958415032	0.535819107406975	0.00104256741161243	0.712124776055254
LUSC	BRD8	cg11346339	-0.0196960260845925	370	-0.37790859992459	0.705716373400869	0.000387933443524947	0.832204025350117
LUSC	BRD8	cg12964860	-0.0965939725167063	370	-1.8616992226234	0.0634425001610821	0.00933039552655821	0.171441081614951
LUSC	BRD8	cg14473243	0.141218499031546	370	2.73646412374009	0.00651145256702446	0.0199426644687227	0.0305981238900091
LUSC	BRD8	cg22106577	0.142274517694132	370	2.75734831511157	0.00611772678828046	0.0202420383850979	0.0291315686948332
LUSC	BRD8	cg22818036	-0.0323778173742943	370	-0.621440049258834	0.534694886191411	0.00104832305792315	0.711359817634754
LUSC	BRD8	cg23298160	-0.0507767168108908	370	-0.975324455323746	0.330040025767296	0.0025782749700934	0.529750491368071
LUSC	BRD8	cg26008208	-0.116423161902536	370	-2.24867514142063	0.0251242202323288	0.013554352627384	0.0865518372488615
LUSC	BRD8	cg26630792	0.195885834971419	370	3.83197991670439	0.000149445064912152	0.03837126034245	0.00135792026754083
LUSC	BRD8	cg27119451	-0.149561532610858	504	-3.37556922535482	0.000794181120238102	0.0223686520369087	0.0055350766948399
LUSC	BRD9	cg02364331	-0.0667907662373821	370	-1.28413652093149	0.199902052498138	0.00446100645457662	0.382845403053671
LUSC	BRD9	cg02822723	0.158641411788816	504	3.58923380441971	0.000364405873272609	0.0251670975343487	0.00287627744575582
LUSC	BRD9	cg05193570	0.015607569538571	370	0.299441569621111	0.764772195703851	0.00024359622690133	0.869462174179569
LUSC	BRD9	cg07308931	-0.205748307106449	370	-4.03322801227712	6.69157280872575e-05	0.0423323658771696	0.000683334490787623
LUSC	BRD9	cg09497020	-0.0388962181265621	370	-0.746723915125141	0.455707025450034	0.0015129157845491	0.645989765445069
LUSC	BRD9	cg10551270	-0.296644010233651	370	-5.95883717773245	5.94736086000876e-09	0.0879976688075022	1.70036380280603e-07
LUSC	BRD9	cg10600960	-0.0952460480635431	370	-1.83548053223963	0.0672413226572924	0.00907180967172275	0.178995738256276
LUSC	BRD9	cg13722821	-0.191438442888779	370	-3.74162891871331	0.000212018027304291	0.0366486774156801	0.00182169594008361
LUSC	BRD9	cg17977043	-0.0555261709256378	370	-1.06682250308375	0.286751369960781	0.00308315565766314	0.484125527903316
LUSC	BRD9	cg20079193	-0.276521573044045	370	-5.51983449202548	6.41657947226212e-08	0.0764641803587534	1.46041949521697e-06
LUSC	BRD9	cg21160852	0.127726837432929	370	2.4704601628654	0.0139464521883077	0.016314145000618	0.0552025186494969
LUSC	BRD9	cg21758832	-0.0571626703123023	370	-1.09836610782454	0.272762757197394	0.00326757087723296	0.469146967649161
LUSC	BRD9	cg21910709	-0.174035574994327	370	-3.39031961425881	0.000773785082982475	0.0302883813636061	0.0054157298016679
LUSC	BRD9	cg24953233	-0.0741943680710828	370	-1.42722848477825	0.154361994805148	0.00550480425346731	0.321864349724507
LUSC	BRD9	cg25523559	0.00220226823025924	370	0.0422469320544947	0.966324761727867	4.84998535800918e-06	0.982323474249058
LUSC	BRD9	cg25951128	-0.17440984874693	370	-3.39783918716777	0.000753460467620482	0.030418795339927	0.00530113987682625
LUSC	BRD9	cg26504197	0.017347227403239	370	0.332827602147336	0.739453944327854	0.000300926298579685	0.85322199529881
LUSC	BRDT	cg00308185	-0.599786196348947	370	-14.3794863032115	1.61360654782028e-37	0.359743481330738	5.97756703719671e-35
LUSC	BRDT	cg01515515	-0.276995667922256	367	-5.50749672357396	6.87978842648455e-08	0.076726600476966	1.55042369887004e-06
LUSC	BRDT	cg02935097	-0.523800926147478	370	-11.7959189951636	1.85520226884155e-27	0.274367410232956	4.45443226241542e-25
LUSC	BRDT	cg03421440	-0.599896571171367	370	-14.3836199206647	1.55306831014271e-37	0.359875896103163	5.78083235020296e-35
LUSC	BRDT	cg06442199	-0.504407209384773	370	-11.2062421205183	2.82355616602724e-25	0.254426632879334	5.8419076696788e-23
LUSC	BRDT	cg09250199	-0.665933170130805	370	-17.1241526780189	9.20790870133979e-49	0.443466987080463	5.04450739092977e-46

LUSC	BRDT	cg13299824	-0.651404595958192	370	-16.4697556071083	4.73717010445982e-46	0.424327947635455	2.36232955837402e-43
LUSC	BRDT	cg14732540	-0.55205563754482	504	-14.7899750583175	2.63334842853288e-41	0.304765426945018	1.10734436567182e-38
LUSC	BRDT	cg19245011	-0.201414592026566	370	-3.94464299398998	9.57045186651582e-05	0.0405678378812279	0.000927524271214317
LUSC	BRPF1	cg04879506	-0.152369372345661	370	-2.95748406937393	0.00330187418273183	0.0232164256290106	0.0177774240550515
LUSC	BRPF1	cg13694772	0.194917894290421	370	3.81229501322745	0.000161371603610812	0.0379929855146117	0.00144895458579172
LUSC	BRPF1	cg14712964	0.183595016654559	504	4.17211983647131	3.55973472023558e-05	0.0337071301403876	0.000396117869869842
LUSC	BRPF1	cg17738494	0.219977890835473	504	5.03732382091094	6.60916302712256e-07	0.0483902724564232	1.18523104779155e-05
LUSC	BRPF1	cg20952324	0.153811687868276	370	2.98615446755951	0.00301419361079268	0.0236580353248881	0.0165294077088683
LUSC	BRPF1	cg25467642	0.0458811029766673	370	0.88108001850867	0.378849585571513	0.00210507561035555	0.577411242897032
LUSC	BRPF1	cg26227975	-0.0450419500318881	370	-0.86493223821977	0.387639448576373	0.0020287772626751	0.585519741812135
LUSC	BRPF3	cg01499736	0.00470354459516465	370	0.0902306278697691	0.928153035835504	2.21233317587026e-05	0.962114077254387
LUSC	BRPF3	cg05882415	-0.0789926278635415	370	-1.52009132034625	0.129346721470511	0.00623983525678796	0.285142646435914
LUSC	BRPF3	cg10562781	0.0521113258269874	370	1.0010286723639	0.317470704232319	0.00271559027944644	0.51671267998094
LUSC	BRPF3	cg14654948	-0.165537765875306	370	-3.21998968689906	0.00139597395345458	0.0274027519309877	0.00885940132099842
LUSC	BRPF3	cg18779695	0.104142989519218	370	2.00873173901606	0.045295625521521	0.010845762266	0.134257711339679
LUSC	BRPF3	cg23517469	0.127040773703381	370	2.45697221724307	0.0144721611071181	0.0161393581831536	0.0567729198420381
LUSC	BRWD3	cg03164831	-0.0616470056760486	504	-1.37971399003684	0.168292638067817	0.00380035330882276	0.341380366422285
LUSC	BRWD3	cg05835545	-0.033127929654906	370	-0.639405056398291	0.522957275543767	0.00110974217516164	0.702556483562468
LUSC	BRWD3	cg09523186	-0.041202666369478	370	-0.791075959003124	0.429409209832519	0.00169765971595452	0.623478524812879
LUSC	BRWD3	cg11957438	-0.0917853245473398	349	-1.71701900220375	0.0868680014837469	0.00842454580226051	0.215374615400663
LUSC	BRWD3	cg15511898	-0.0395304108984865	370	-0.758917957553848	0.448387445032499	0.00156265338580318	0.639764005994868
LUSC	BRWD3	cg22618269	-0.0238708682077132	366	-0.455556949953234	0.648980235801764	0.000569818348990012	0.794641742436529
LUSC	BRWD3	cg25063710	-0.03034585767123	504	-0.678187445784814	0.49796721202891	0.00092087107780255	0.682250423426446
LUSC	BRWD3	cg25708850	-0.125118818932342	356	-2.37274209598125	0.018190257763113	0.0156547188510241	0.0676657061360692
LUSC	CARM1	cg12317676	0.135100833017789	504	3.04584878929044	0.00244297525870709	0.0182522350821004	0.0139669888495524
LUSC	CARM1	cg17918830	-0.238406971996599	370	-4.70922767008508	3.52871339785519e-06	0.056837884296587	5.22781813126541e-05
LUSC	CARM1	cg22378614	-0.183426185359584	370	-3.57945520477078	0.000390429124837749	0.0336451654755683	0.00304369609556347
LUSC	CARM1	cg26504915	-0.200223507880068	370	-3.92033873343477	0.000105456750040259	0.0400894531077996	0.00100822981742466
LUSC	CBX1	cg01544580	0.160734348715063	370	3.12403910465981	0.00192532858840703	0.0258355308568554	0.0115294444004723
LUSC	CBX1	cg01553295	0.212411679674822	370	4.1699189453844	3.8036387631022e-05	0.0451187216622791	0.000419122201043588
LUSC	CBX1	cg02835499	0.0355026784748884	370	0.681489081899149	0.495990710430891	0.0012604401788913	0.680859642561156
LUSC	CBX1	cg04864609	0.0126981647837344	370	0.243612677090813	0.807666555683509	0.000161243388874873	0.895879488305856
LUSC	CBX1	cg11729481	0.0192450241992244	370	0.369251961319938	0.712152298783083	0.000370370956428732	0.836193677838789
LUSC	CBX1	cg12245530	0.111456243929286	370	2.1515067746834	0.0320864789357923	0.0124224943108245	0.103776474549163
LUSC	CBX1	cg13342109	-0.0115626105562156	370	-0.221824157560137	0.824573817761742	0.000133693962874708	0.905727104977485
LUSC	CBX1	cg17778721	0.155263702789734	502	3.50386198701353	0.000499992058256071	0.024106817403979	0.00374941027375871
LUSC	CBX1	cg21511817	0.0330290887626728	370	0.633953671250751	0.526504903079239	0.00109092070449252	0.705168606576505
LUSC	CBX4	cg04398978	0.0863518478608404	504	1.93618639687824	0.0534092329234604	0.00745664162898173	0.151385187861534
LUSC	CBX4	cg04925705	0.140507489620819	370	2.72240832887244	0.00678918029907159	0.0197423546395445	0.0316224100219121
LUSC	CBX4	cg05949524	-0.177473619009648	370	-3.45945116209917	0.00060472722445287	0.0314968854443816	0.0044028216845191
LUSC	CBX4	cg07159673	0.120297569076039	370	2.32458894378388	0.0206374852337657	0.0144715051256043	0.0745968091383502
LUSC	CBX4	cg10756274	-0.0669998624073606	370	-1.28817475717785	0.198494502663163	0.00448898156260526	0.381124115922848
LUSC	CBX4	cg21365914	-0.0531758599870372	370	-1.02153516809582	0.30767202554184	0.00282767208536099	0.506165279146529
LUSC	CBX4	cg22353329	0.173636419510437	370	3.3823018093941	0.000796018585384239	0.0301496061804043	0.00554589556075421
LUSC	CBX4	cg27487227	-0.0615334380749053	370	-1.18265711682143	0.23770859674585	0.0037863640013182	0.429209690905573
LUSC	CBX5	cg03689456	-0.0797153360643366	370	-1.5340872598254	0.125867435816067	0.00635453480385013	0.279715800202111
LUSC	CBX5	cg05754589	-0.0572474465747475	504	-1.28091175774183	0.20081965525364	0.00327727013932857	0.383912557653583
LUSC	CBX5	cg06399839	-0.0904002233273441	370	-1.74130671299853	0.0824654962778952	0.00817220037763369	0.207447222016571
LUSC	CBX5	cg06621757	-0.0393670206469486	370	-0.755776258247256	0.450266840561398	0.00154976231461728	0.641176799393001
LUSC	CBX5	cg08288469	0.0526154589903987	370	1.01073953584096	0.31280520652303	0.00276838652477032	0.511827712760636
LUSC	CBX5	cg09060496	-0.126456211918288	370	-2.44548261866206	0.0149337433130112	0.0159911735327229	0.0581779571982769
LUSC	CBX5	cg09158487	-0.094309663705154	370	-1.81727277939928	0.0699885294490356	0.00889431266817924	0.184378180154361
LUSC	CBX5	cg09653879	-0.0649794814871337	370	-1.24916256256849	0.212399595382345	0.00422233301433675	0.398637534367479
LUSC	CBX5	cg11005091	-0.094867153059499	503	-2.12663845579884	0.0339411890142475	0.00899977672961442	0.108249461223941
LUSC	CBX5	cg11338003	-0.0471320394539948	370	-0.905155210327633	0.365975377576063	0.00222142914309292	0.564858638177635
LUSC	CBX5	cg12263485	-0.0412271711158699	504	-0.921728897436074	0.35711542032572	0.00169967963821722	0.555973443711483
LUSC	CBX5	cg12600134	-0.0794455375375505	370	-1.52886206826211	0.127157716324413	0.00631159343463034	0.281890634185207

LUSC	CBX5	cg13445218	-0.093193580667083	370	-1.79557718465689	0.0733820717036142	0.0086850434775521	0.190862082451052
LUSC	CBX5	cg14017196	-0.0863542321994029	370	-1.66277268935233	0.0972093678435839	0.0074570534187484	0.233310880264825
LUSC	CBX5	cg14394617	0.0700759736182866	370	1.3476031236091	0.178615123097406	0.0049106420785508	0.355219229706053
LUSC	CBX5	cg15708001	0.0647511750459444	370	1.24475509822821	0.214013902462906	0.00419271466983053	0.400620759617868
LUSC	CBX5	cg20545544	-0.109814055374993	370	-2.11941675194642	0.0347243714112124	0.0120591267579019	0.110182638559524
LUSC	CBX5	cg20927027	0.0237414231977018	370	0.455567872811273	0.648969435666617	0.000563655175452375	0.794641025581175
LUSC	CBX5	cg21826008	0.0750283072663651	370	1.44336073485656	0.149769575123085	0.00562924689125609	0.315305648601572
LUSC	CBX5	cg24505978	-0.10367275401622	370	-1.99956296858663	0.0462822090859688	0.0107480399253076	0.136335271067964
LUSC	CBX5	cg25817259	-0.0625754560051382	370	-1.20276250886833	0.229841505856738	0.00391568769425099	0.419922266477668
LUSC	CBX6	cg03028106	-0.086508565149243	368	-1.66123408946837	0.097522744924391	0.00748373184418081	0.2338033353038
LUSC	CBX6	cg04134624	0.030212037852573	504	0.675194021786412	0.499865242056569	0.000912767231205305	0.683911370944771
LUSC	CBX6	cg04215348	-0.00859547381156991	370	-0.164895868598162	0.869116483713122	7.38821700453841e-05	0.930580358895956
LUSC	CBX6	cg04801716	0.000994241336022577	370	0.0190728651912275	0.984793314565003	9.88515834255959e-07	0.992010813607368
LUSC	CBX6	cg06060673	-0.04174960176527	370	-0.801595131492457	0.423304478907013	0.00174302924755864	0.618379220552686
LUSC	CBX6	cg09913544	0.0355556215200235	370	0.682506631701508	0.495348036887464	0.00126420222167516	0.680159297896487
LUSC	CBX6	cg14498989	-0.0713701752200572	370	-1.37261766026017	0.170707174228266	0.00509370191094167	0.344585845816282
LUSC	CBX6	cg24649346	0.0656187768040961	504	1.46897843344292	0.142468760967607	0.00430582386926578	0.304908503756047
LUSC	CBX6	cg25836955	0.00857676671791313	370	0.164536964632615	0.869398787014963	7.35609273335024e-05	0.930687746653301
LUSC	CBX7	cg00545295	-0.0798538902761975	370	-1.53677077283294	0.125208775848832	0.00637664379224299	0.278729797641619
LUSC	CBX7	cg01525244	0.00880116279012063	370	0.16884211522381	0.866013594633871	7.7460466458204e-05	0.928802117335732
LUSC	CBX7	cg02523424	-0.00674198399197925	370	-0.129336616922826	0.897161959071506	4.54543481481044e-05	0.945564587556714
LUSC	CBX7	cg03804568	0.0789066095110129	503	1.76638063328574	0.0779445865395336	0.00622625302452348	0.199199118438123
LUSC	CBX7	cg10339854	-0.0100073268514069	370	-0.191983427795863	0.847861077801681	0.00010014659071089	0.918837291000497
LUSC	CBX7	cg22268271	-0.0911775478753672	370	-1.75640466938906	0.0798510782369806	0.00831334523656488	0.202779094482199
LUSC	CBX7	cg26672614	-0.00748248140265954	370	-0.143542899096185	0.885940001690597	5.59875279411458e-05	0.939518082566
LUSC	CBX7	cg27062573	0.110748267540877	370	2.13767002888502	0.0332019727033646	0.0122651787633056	0.106485581484397
LUSC	CDYL2	cg01442398	-0.105573833202322	370	-2.03663909397751	0.0424015954697156	0.0111458342570316	0.127785265001267
LUSC	CDYL2	cg02461391	-0.121466296140573	370	-2.34750957004113	0.019428511001762	0.0147540610981094	0.0711960801201692
LUSC	CDYL2	cg06919916	-0.0572574318093112	370	-1.10019290983917	0.271967238398156	0.00327841349739792	0.468331509084517
LUSC	CDYL2	cg10112854	0.262704410470774	370	5.22299495975988	2.9527174888751e-07	0.0690136072807968	5.73828889157006e-06
LUSC	CECR2	cg03927893	-0.259487304215419	370	-5.1543852096956	4.16176202474268e-07	0.0673336610489855	7.82029263171093e-06
LUSC	CECR2	cg12632097	-0.146298042213509	370	-2.83700766825024	0.00480590135592452	0.0214031171555055	0.0240276536042926
LUSC	CECR2	cg13466481	-0.107806211705411	370	-2.08020530208256	0.038198201607131	0.0116221792822719	0.118333501745187
LUSC	CECR2	cg26796679	-0.17692506909804	370	-3.44841233026543	0.00062917709415913	0.0313024800753462	0.00455355873690719
LUSC	CHAF1A	cg03006338	0.110256669197753	370	2.12806413199221	0.0339958391101662	0.0121565331025827	0.108378193720112
LUSC	CHAF1A	cg04346879	0.0293594201025184	370	0.563454223970817	0.573468785799362	0.000861975548756163	0.740873367916759
LUSC	CHAF1A	cg05297461	0.105217960067153	370	2.02969691157864	0.0431064265918187	0.0110708191206929	0.129330917130778
LUSC	CHAF1A	cg07783855	0.156046801533302	370	3.03062283220966	0.002613137965349	0.0243506042687739	0.0147394471343069
LUSC	CHAF1A	cg09700233	0.0205639102592108	370	0.394567631352563	0.693390575272776	0.000422874405148877	0.824077278408273
LUSC	CHAF1A	cg18804734	0.109850810295979	370	2.12013478697987	0.0346633721991657	0.0120672005226831	0.110038454944173
LUSC	CHAF1A	cg23811775	0.15260012676739	370	2.9620697085701	0.00325423574837354	0.0232867986894235	0.0175829987365586
LUSC	CHAF1A	cg24085258	-0.119835001596262	504	-2.69634148078254	0.00724749180600899	0.0143604276075761	0.0332995408583432
LUSC	CHAF1B	cg00660452	-0.14945034828918	370	-2.8995185876559	0.00396156949642603	0.0223354066037572	0.0206095114677946
LUSC	CHAF1B	cg02544117	-0.0646126206929062	368	-1.24039163977205	0.215622978463076	0.00417479075280537	0.402751721129084
LUSC	CHAF1B	cg02908490	-0.255160790979418	370	-5.06240518021857	6.55573672322034e-07	0.0651070292532424	1.17646362778824e-05
LUSC	CHAF1B	cg04634639	-0.0850137645732328	370	-1.63677224891352	0.102532915645338	0.00722734016691305	0.242548368293907
LUSC	CHAF1B	cg07872789	-0.0600375584895159	370	-1.15380138297999	0.249330394249103	0.00360450842938205	0.442860603000473
LUSC	CHAF1B	cg13854874	-0.239030027457216	504	-5.49892831773456	6.11006114124654e-08	0.0571353540261974	1.39790345535831e-06
LUSC	CHAF1B	cg25942896	-0.17611628827985	370	-3.43214274806901	0.000666900572330306	0.0310169469974711	0.00478649904270355
LUSC	CHD1	cg03255775	0.175192941456999	370	3.41357730244878	0.000712522737057204	0.0306925667363554	0.00506013020784562
LUSC	CHD1	cg03833628	0.080175194039711	370	1.54299411785804	0.123691658402675	0.00642806173930531	0.276460060730267
LUSC	CHD1	cg08865521	0.140427598577408	370	2.72082924867633	0.00682103993898036	0.0197199104422175	0.0317441960405024
LUSC	CHD1	cg11365324	0.118926047438458	370	2.29770368845463	0.0221390809230632	0.0141434047593344	0.0786109663302195
LUSC	CHD1	cg12662497	-0.0527001129707412	370	-1.01237025865459	0.31202620895759	0.00277730190712888	0.510972884952042
LUSC	CHD1	cg16890600	0.0197818801341554	370	0.379556529176273	0.704493566873667	0.000391322781642091	0.831338136143307
LUSC	CHD1	cg21082921	-0.0229004867619032	370	-0.439422744097335	0.66061316974515	0.000524432293932104	0.802531988181117
LUSC	CHD4	cg00079216	-0.0449199455784911	370	-0.86258466589191	0.388927636632366	0.00201780151077461	0.586579978671437

LUSC	CHD4	cg00824109	0.0492770371568062	504	1.10210452151039	0.270947509784671	0.00242822639095326	0.467187325757225
LUSC	CHD4	cg04344119	0.0841873670624658	370	1.62074746253041	0.105928313486344	0.00708751277291035	0.248165609207873
LUSC	CHD4	cg05147525	-0.275203844472824	370	-5.49136939095038	7.4495892236705e-08	0.0757371560126222	1.66676256562043e-06
LUSC	CHD4	cg11565429	0.00361148832778014	370	0.0692808100847847	0.944803730343019	1.30428479416922e-05	0.970464388585564
LUSC	CHD4	cg19509514	-0.256087810762419	370	-5.08208563502094	5.95164300975173e-07	0.0655809668210887	1.07875609576101e-05
LUSC	CHD4	cg20308811	-0.163086696790276	370	-3.17099944488137	0.00164662414289582	0.0265972706699636	0.0101519637480137
LUSC	CHRA1	cg00296189	-0.42988994697707	370	-9.13377991056856	4.49172036451953e-18	0.184805366511948	5.00614461371679e-16
LUSC	CHRA1	cg07270064	-0.389537179292102	370	-8.11349792042155	7.43443912208512e-15	0.151739214050847	5.65351668683763e-13
LUSC	CHRA1	cg08877624	-0.141990269858232	370	-2.75172598936936	0.00622154871624909	0.0201612367344134	0.0295175435038044
LUSC	CHRA1	cg12002314	-0.0330022616415776	504	-0.737616478727544	0.461094245697223	0.00108914927345915	0.650720449519044
LUSC	CHRA1	cg18770186	0.157947077839662	370	3.06846699020258	0.00231106223660355	0.0249472793980883	0.0133670465155641
LUSC	CHRA1	cg19486048	0.118247912060238	370	2.28441547773884	0.0229158748474749	0.0139825687066057	0.0806915116953091
LUSC	CHRA1	cg22610305	-0.0539485814375781	504	-1.2068775809618	0.228051097961608	0.002910449439127	0.417887763575289
LUSC	CHRA1	cg23548819	-0.164935528591622	370	-3.20794694699839	0.00145408297966833	0.0272037285917977	0.00916687759404246
LUSC	CLOCK	cg05960024	-0.163153960248405	504	-3.69408180204927	0.000245067827671982	0.026619214744738	0.00205772332281858
LUSC	CLOCK	cg06085476	-0.127796227829655	368	-2.46509850593838	0.0141558733761027	0.0163318758474892	0.0558099540553685
LUSC	CLOCK	cg07236904	0.00108189253619373	370	0.0207543094660331	0.983452893919033	1.1704914598717e-06	0.991392290232564
LUSC	CLOCK	cg07500410	-0.070386408277918	370	-1.35360262631138	0.176693973416853	0.00495424647026577	0.352725967872482
LUSC	CLOCK	cg11774413	-0.164222004408189	370	-3.19368361228602	0.00152579966951847	0.0269688667318431	0.00953474652506386
LUSC	CLOCK	cg18928811	0.241152206622144	370	4.76678199075635	2.70030594606213e-06	0.0581543867587293	4.12868712201173e-05
LUSC	CLOCK	cg22523077	-0.072291860417446	370	-1.39043638059469	0.165236716955225	0.0052261130826155	0.337191783191197
LUSC	CLOCK	cg23506964	-0.183770932540648	370	-3.58641765903516	0.000380500753267429	0.0337717556468593	0.00298123432366667
LUSC	CREBBP	cg00039463	-0.153986877532772	370	-2.98963822125364	0.00298084767299596	0.0237119584522928	0.0163765581831248
LUSC	CREBBP	cg00747661	0.0806832530714347	370	1.55283572159582	0.121321938728227	0.00650978732618918	0.272738589840303
LUSC	CREBBP	cg03039399	-0.106149480950774	370	-2.04787019826871	0.0412820475286653	0.0112677123061188	0.125243569356719
LUSC	CREBBP	cg03264209	-0.241087830214541	504	-5.54917657170939	4.6660008008509e-08	0.0581233418775556	1.09929396214838e-06
LUSC	CREBBP	cg08506924	0.0110454727417436	370	0.211901832126521	0.83230093238893	0.000122002468088602	0.910027197093226
LUSC	CREBBP	cg24567591	-0.126785905392621	370	-2.45196244543159	0.0146718471144784	0.0160746658062267	0.0573846995688152
LUSC	CTCF	cg01866162	-0.134172716421982	504	-3.02453945280556	0.00261843571218085	0.0180023178320536	0.0147661172738961
LUSC	CTCF	cg04487155	-0.076488877065313	370	-1.47162228488083	0.141977523850822	0.00585054831471256	0.304211295079485
LUSC	CTCF	cg06241380	-0.161971974104024	370	-3.14873916903306	0.0017737300373689	0.0262349203951546	0.0107834912884555
LUSC	CTCF	cg07967402	-0.0879754980173537	370	-1.6942318152011	0.0910673104272697	0.0077396882514014	0.222698678089369
LUSC	CTCF	cg08324636	0.208009157107482	370	4.07953975976407	5.53553560766006e-05	0.0432678094405649	0.000580053147982633
LUSC	CTCF	cg10218542	-0.00127156576575448	370	-0.0243928804536645	0.980552448579656	1.61687949663877e-06	0.989948473495769
LUSC	CTCF	cg10481400	-0.0918866194836388	370	-1.77017977333066	0.0775251181003141	0.00844315084013102	0.198492266900205
LUSC	CTCF	cg23858565	-0.113197381970788	504	-2.54499588221153	0.0112278689901635	0.0128136472850405	0.0466741925948904
LUSC	CXXC1	cg02159718	-0.0823366742876519	370	-1.58487259376214	0.113854203909317	0.00677932793275088	0.261127213034623
LUSC	CXXC1	cg07675399	0.0794278880001784	370	1.52852026123894	0.127242479105073	0.00630878939216888	0.282006251089713
LUSC	CXXC1	cg11871295	0.0779165838283911	370	1.49925715457979	0.13466428764483	0.0060709940354867	0.29317643615263
LUSC	CXXC1	cg13423076	-0.31703139707347	504	-7.467136900956	3.68424481916855e-13	0.100508906730356	2.21664455887392e-11
LUSC	CXXC1	cg15632775	0.0793623935325465	370	1.52725188544963	0.127557402284186	0.00629838950721477	0.282406527215436
LUSC	CXXC1	cg20016845	-0.239998342381639	504	-5.52256317807399	5.38363627589313e-08	0.0575992043459346	1.24647202513938e-06
LUSC	CXXC1	cg27419474	-0.00596347341910085	370	-0.114401289492531	0.908982082400016	3.55630152203223e-05	0.951621147492173
LUSC	DAXX	cg00221327	-0.0194439143000549	370	-0.373069477619837	0.709311530850638	0.000378065803307879	0.834379639920664
LUSC	DAXX	cg02173004	-0.248669100281324	370	-4.92500215477362	1.27668852313117e-06	0.0618363214347233	2.1244643201811e-05
LUSC	DAXX	cg02328295	0.0322201176591767	370	0.618410104062095	0.536687601983732	0.00103813598197119	0.712732688545592
LUSC	DAXX	cg03085224	-0.107690758007326	370	-2.07795137910892	0.0384065955229216	0.0115972993601924	0.118788125622808
LUSC	DAXX	cg03369465	-0.0641868530987493	370	-1.23386168276872	0.2180418763558	0.00411995211072042	0.405601117741699
LUSC	DAXX	cg03382121	0.0252249753463186	370	0.484052953565589	0.628636219963804	0.00063629938122238	0.780667359936532
LUSC	DAXX	cg03902329	-0.0855693618848717	370	-1.6475478224465	0.100299035077112	0.00732211569338413	0.238737665905482
LUSC	DAXX	cg04086445	-0.258483659296453	370	-5.13301873263221	4.62778820756796e-07	0.066813802123285	8.61071886676732e-06
LUSC	DAXX	cg04152866	-0.0676161435171794	370	-1.3000778758151	0.194387959274953	0.0045719428641358	0.375735257381561
LUSC	DAXX	cg04271391	0.0115993172658615	370	0.222528456025872	0.824025976848957	0.000134544161034113	0.90537648781125
LUSC	DAXX	cg04488476	-0.0845619471727962	370	-1.62801057693187	0.104378440416393	0.00715072290965477	0.245629390578766
LUSC	DAXX	cg04973788	-0.143083841183441	370	-2.77336027770542	0.00583057829668495	0.020472985607808	0.0280388210429814
LUSC	DAXX	cg05431670	-0.108158901235733	370	-2.08709114448765	0.03756751775877	0.011698347916521	0.116952558186632
LUSC	DAXX	cg05532204	-0.077043280325694	370	-1.48235229235886	0.139102392096626	0.00593566704334348	0.299909414410645

LUSC	DAXX	cg06171013	-0.183942216896781	370	-3.58987739730536	0.000375655800537011	0.0338347391569023	0.00295070348818419
LUSC	DAXX	cg07689821	-0.103451571075243	504	-2.32339926541826	0.0205586716821122	0.0107022275579361	0.0743810484995924
LUSC	DAXX	cg08375286	-0.0557880553960116	370	-1.07186975255485	0.284480966529833	0.00311230712486846	0.48177708790974
LUSC	DAXX	cg08567382	-0.0924074052933873	370	-1.78029878561646	0.0758520444702592	0.00853912855305634	0.195468294297881
LUSC	DAXX	cg09097215	-0.162019333067411	370	-3.1496846437834	0.00176815223611718	0.0262502642876086	0.0107563055252189
LUSC	DAXX	cg09432361	0.123609668840089	370	2.38957039823058	0.0173708110423585	0.0152793502307565	0.0653265432770587
LUSC	DAXX	cg09615909	-0.21770263967867	370	-4.27888927276849	2.39794320598616e-05	0.0473944393230607	0.000280393196702972
LUSC	DAXX	cg11111423	-0.255514919489016	370	-5.0699214949573	6.318329681516e-07	0.0652878740814783	1.13964326279586e-05
LUSC	DAXX	cg12025215	0.0112140093763198	370	0.215135526181169	0.829780832858791	0.000125754006292188	0.908606800076245
LUSC	DAXX	cg12832355	-0.266836940357314	370	-5.31140251335537	1.88727899115967e-07	0.071201952739253	3.85048470596053e-06
LUSC	DAXX	cg12923297	-0.160726808155211	370	-3.1238865948541	0.0019262875023719	0.0258331068597621	0.0115316360107364
LUSC	DAXX	cg13443893	-0.0577826918270818	370	-1.1103193587144	0.267586400825221	0.00333883947478351	0.463343122527594
LUSC	DAXX	cg13826470	-0.130438677150357	370	-2.52381015634399	0.0120292126211826	0.0170142484967351	0.0492285383072667
LUSC	DAXX	cg14539675	0.0161597601004098	370	0.310038431622199	0.756707230225645	0.000261137846502796	0.864325619749879
LUSC	DAXX	cg14622330	-0.048425815407205	370	-0.930059370700606	0.352950035767857	0.0023450595978527	0.551974008574394
LUSC	DAXX	cg14746369	0.121028033870655	370	2.33891338295536	0.0198744449219644	0.0146477849825963	0.0724445960200213
LUSC	DAXX	cg14910283	-0.230291433991128	370	-4.53977713760244	7.63946848580271e-06	0.0530341445696899	0.000103249619767987
LUSC	DAXX	cg16922466	-0.0920009173959357	370	-1.77240048759403	0.0771553839346316	0.00846416880169378	0.197847892081514
LUSC	DAXX	cg17079757	0.0225028256951477	370	0.431788381060871	0.666148091559013	0.0005063771642662	0.806284515033403
LUSC	DAXX	cg17504991	-0.0142741525928267	370	-0.273853624348372	0.784350756009662	0.000203751432243301	0.88100871674462
LUSC	DAXX	cg18187593	-0.0323897854343355	370	-0.62166998087117	0.534543808009173	0.00104909820048229	0.711256131773434
LUSC	DAXX	cg18279148	-0.305692228301753	364	-6.10860804948539	2.59545592883472e-09	0.0934477384440913	7.94299364782724e-08
LUSC	DAXX	cg18486541	-0.03559599349384	370	-0.683282573065626	0.494858260898035	0.0012670747528135	0.679906811047169
LUSC	DAXX	cg18944910	-0.296961765119381	370	-5.96583704143594	5.7194694658547e-09	0.0881862899428182	1.64003099014634e-07
LUSC	DAXX	cg18967278	-0.0566001117331489	370	-1.08752177517514	0.27751804183055	0.00320357264820494	0.474301123647037
LUSC	DAXX	cg20223162	-0.261310877029308	370	-5.19325292437767	3.42791845536546e-07	0.0682833744538263	6.56018421443297e-06
LUSC	DAXX	cg20763184	-0.0111977540822573	370	-0.214823636829507	0.830023819952629	0.00012538969648671	0.908706592493383
LUSC	DAXX	cg21286626	0.041427056908754	370	0.795391560767303	0.426898487831867	0.00171620104412114	0.621314774732266
LUSC	DAXX	cg24328964	-0.2004770506939	370	-3.92551079323891	0.000103305694092581	0.0401910478549244	0.000990456392191058
LUSC	DAXX	cg24496586	-0.0798576938247524	370	-1.53684444108847	0.125190732321032	0.00637725126300789	0.27871355722698
LUSC	DAXX	cg24513883	-0.269532426517182	370	-5.36923682987783	1.40367777858255e-07	0.0726477289442402	2.95049200505406e-06
LUSC	DAXX	cg24728112	-0.259580597789846	370	-5.15637223363435	4.12081026744382e-07	0.0673820867489336	7.75270408574424e-06
LUSC	DAXX	cg25642825	-0.14274389098622	370	-2.76663388440092	0.00594968550125911	0.0203758184138858	0.0284830667006124
LUSC	DAXX	cg26521092	-0.130170619705636	370	-2.51853411982109	0.0122077653950986	0.0169443902345492	0.0498386054554438
LUSC	DAXX	cg27052777	-0.257011048197607	370	-5.10170070525798	5.40333064939924e-07	0.0660546788956327	9.90916323760878e-06
LUSC	DAXX	cg27393652	0.0561280264649189	370	1.07842228134557	0.281551709264966	0.00315035535484664	0.47866067157409
LUSC	DIDO1	cg00080059	0.0871672506452676	370	1.67854686144642	0.0940892916717026	0.0075981295850549	0.227988860187149
LUSC	DIDO1	cg01488865	0.121386681910289	370	2.34594789295804	0.0195088657129736	0.0147347265451896	0.0714333380059809
LUSC	DIDO1	cg06646488	0.0276475278154981	370	0.530574362275288	0.596033790038316	0.000764385794308741	0.75726241288446
LUSC	DIDO1	cg08610063	0.117490497473599	370	2.26957760492824	0.0238112521754858	0.0138040169965938	0.0830995190490177
LUSC	DIDO1	cg13815390	0.146918708344268	370	2.84930856437031	0.00462784266900034	0.0215851068615482	0.0233006531999361
LUSC	DIDO1	cg20969846	-0.00163905473787016	504	-0.0366137585870155	0.970807615288109	2.68650043373461e-06	0.984557454462557
LUSC	DIDO1	cg21212389	0.0857387548151219	370	1.65083343378859	0.0996257005847744	0.00735113407724758	0.237622079693768
LUSC	DIDO1	cg21687703	0.0946450460081302	370	1.82379363997618	0.0689942091050886	0.00895768473388107	0.18238253094299
LUSC	DIDO1	cg22394521	0.0872878035307877	370	1.68088611371493	0.0936335371977581	0.0076191606452294	0.227252593915153
LUSC	DMAP1	cg01604592	-0.0343538931939347	370	-0.659411165811729	0.510044205247771	0.00118018997758028	0.692443176556579
LUSC	DMAP1	cg11683482	-0.122624120376709	370	-2.37022614549445	0.0182920585038469	0.0150366748981615	0.0679728874730481
LUSC	DMAP1	cg15990015	0.0882514883444723	504	1.97911096432991	0.048352761147948	0.00778832519501453	0.140710216040612
LUSC	DMAP1	cg18017761	-0.0555716907720453	370	-1.06769978251766	0.286355863920286	0.00308821281526383	0.483646723356812
LUSC	DMAP1	cg18167340	-0.167308091534409	370	-3.25541180778019	0.00123728269682645	0.0279919974928861	0.00801775677775236
LUSC	DMAP1	cg21437596	-0.0654334574907549	370	-1.25792717220402	0.209215691808929	0.00428153735919443	0.394630010634139
LUSC	DMAP1	cg23021241	-0.0663679833627422	370	-1.27597191091559	0.202770204273421	0.00440470921563723	0.38655880783313
LUSC	DMAP1	cg23451311	-0.0469141857310029	504	-1.04913870798755	0.294622136485013	0.00220094082280304	0.492454290536307
LUSC	DMAP1	cg24485408	0.00828300026289243	370	0.158900946112519	0.873834082813907	6.86080933550761e-05	0.933201299175305
LUSC	DNMT1	cg04160663	-0.0445576453214977	370	-0.855613622839807	0.392768264069983	0.00198538375659639	0.589626103993752
LUSC	DNMT1	cg04762346	-0.185794072474709	504	-4.22386821434571	2.8549687959369e-05	0.0345194373667374	0.000326424812626565
LUSC	DNMT1	cg06128182	0.104801878545288	370	2.02158121595137	0.043942984181946	0.0109834337466214	0.131248579876001

LUSC	DNMT1	cg06716436	0.264952573160097	504	6.1379537581734	1.70569446465449e-09	0.0701998660241563	5.39620964551979e-08
LUSC	DNMT1	cg10635912	0.0064557963851488	370	0.123846228063462	0.901504644208767	4.16773069665003e-05	0.947993817631055
LUSC	DNMT1	cg11380607	0.102297113619995	370	1.97274814385128	0.0492723782398757	0.0104646994549823	0.142780875839711
LUSC	DNMT1	cg13393778	-0.0712280623057336	370	-1.36987054078253	0.171562539016002	0.00507343685982947	0.345738314644221
LUSC	DNMT1	cg15043801	0.187499488780768	504	4.26404543535354	2.40173426352281e-05	0.0351560582930493	0.000280752089100667
LUSC	DNMT1	cg21893394	-0.00772306090796452	370	-0.148158414405341	0.882298896900814	5.96456697881297e-05	0.937530704204312
LUSC	DNMT1	cg23401624	0.00335347217255128	370	0.0643311119583357	0.948741511092274	1.12457756120758e-05	0.972788970473146
LUSC	DNMT1	cg24477899	0.0119513184371071	370	0.229282414071649	0.818776796158432	0.000142834012385136	0.902515332129181
LUSC	DNMT1	cg27429799	0.075750474596561	370	1.45733325828042	0.145877188418603	0.00573813440160424	0.309861566072433
LUSC	DNMT3A	cg02208653	0.0498068826179911	370	0.956648999576297	0.339372476539562	0.00248072555612235	0.538628907153772
LUSC	DNMT3A	cg03463641	0.104414431078632	370	2.01402499456039	0.044734204275245	0.0109023734174744	0.132988867601208
LUSC	DNMT3A	cg06112956	0.0916431092715386	370	1.76544880573819	0.0783176256496736	0.00839845947695516	0.199825968223017
LUSC	DNMT3A	cg07150430	-0.0605576049272729	370	-1.16383225933488	0.245246008378437	0.00366722351452766	0.438156947748023
LUSC	DNMT3A	cg12066181	0.0404502291720065	504	0.90432981864126	0.366256922518669	0.00163622104006785	0.565149774484635
LUSC	DNMT3A	cg13076778	0.0117355096223168	370	0.225141611986709	0.821994078962332	0.00013772218609549	0.904401245883574
LUSC	DNMT3A	cg13344237	0.0395022029692636	370	0.758375565696527	0.44871158939712	0.0015604240394249	0.640015206643801
LUSC	DNMT3A	cg15990840	0.0119406325017333	370	0.229077378400492	0.818936031313387	0.000142578704541449	0.902626905541061
LUSC	DNMT3A	cg15998962	0.002515068343637	370	0.0482475287795729	0.961545145372886	6.32556877316494e-06	0.979823418084945
LUSC	DNMT3A	cg21629895	-0.215022223679662	504	-4.91827524842982	1.18720021319562e-06	0.0462345566761468	1.99217112565444e-05
LUSC	DNMT3A	cg21708767	0.0276842697795062	370	0.531280005348121	0.595545276053011	0.000766418793224479	0.756887637928933
LUSC	DNMT3A	cg22731525	-0.138673289808257	370	-2.6861682017185	0.00755520863341815	0.0192302813062449	0.0343874268914189
LUSC	DNMT3A	cg25044635	0.0137985254478947	370	0.264726816373571	0.791368126197801	0.000190399304536199	0.885502733004886
LUSC	DNMT3A	cg26470599	-0.271503550644697	370	-5.41161528226863	1.12812046729401e-07	0.0737141780126777	2.4223296614041e-06
LUSC	DNMT3A	cg26995204	-0.0499185485318346	370	-0.958799137031296	0.338289439388949	0.00249186148752512	0.537695206220227
LUSC	DNMT3B	cg00300969	0.125575408394374	370	2.42817525569035	0.015653638525459	0.0157691831934137	0.060317779429822
LUSC	DNMT3B	cg13636640	-0.0800857743936331	370	-1.54126209674571	0.124112433751039	0.00641373126022789	0.27709799882988
LUSC	DNMT3B	cg14224313	0.0264500074623089	370	0.50757670044754	0.612054294062876	0.000699602894756198	0.768844164072463
LUSC	DNMT3B	cg16523653	-0.0593287841648807	504	-1.32764329688998	0.184903000912247	0.003519904630483	0.363447180302647
LUSC	DNMT3B	cg16953106	-0.0222317869370383	370	-0.426585051810417	0.669931023118396	0.000494252350413867	0.808757830683794
LUSC	DNMT3B	cg17475857	0.0841454329435125	370	1.61993440241472	0.106102946761699	0.00708045388525115	0.248423422347279
LUSC	DNMT3B	cg17721173	-0.0430349171226046	370	-0.826318375669457	0.40915892530804	0.00185200409174945	0.605181181751724
LUSC	DNMT3B	cg22605822	0.00561316343068725	370	0.107680840901577	0.914307550615048	3.15076036996047e-05	0.954772827350205
LUSC	DNMT3B	cg24403338	0.0544492405347846	370	1.04606933896508	0.296215620592697	0.00296471979481483	0.494173360819803
LUSC	DNMT3B	cg25803642	-0.0137001893064724	370	-0.262839867051905	0.792821094404512	0.000187695187033182	0.886436517792237
LUSC	DNMT3L	cg09247319	0.0765662228103682	370	1.47311916389119	0.14157370249572	0.00586238647544695	0.303695803014206
LUSC	DNMT3L	cg15635600	0.0515424448535611	370	0.990071525579481	0.32278968936698	0.00265662362148239	0.522159640571802
LUSC	DNMT3L	cg27187798	0.10106114329758	370	1.94866561315793	0.0520950189542949	0.010213354684614	0.148656734815143
LUSC	DPF1	cg06168449	-0.132905461693183	504	-2.99545666221277	0.00287656951932734	0.0176638617478783	0.0159191776032063
LUSC	DPF1	cg06615189	-0.0108854964711529	370	-0.208832401556387	0.834694619809091	0.000118494033423483	0.911447205387595
LUSC	DPF1	cg07480327	0.0827244854078069	363	1.57717104633553	0.115632030360634	0.00684334048598645	0.263897619910088
LUSC	DPF1	cg08057062	0.0283094146892118	370	0.543286478256152	0.587261500729967	0.00080142296004576	0.751188803340878
LUSC	DPF1	cg13322582	0.0620997247326114	370	1.19358294515115	0.23341002718729	0.00385637581186611	0.424259904554033
LUSC	DPF1	cg13917712	-0.133894387121413	370	-2.59187797812378	0.00992546384827932	0.0179277069026189	0.0423625135575268
LUSC	DPF1	cg17121541	-0.0310892498787404	370	-0.596683647871538	0.551085500377397	0.000966541458022759	0.723551423880766
LUSC	DPF1	cg22145401	-0.080532333010466	370	-1.5499121245631	0.122022147063599	0.00648545666010859	0.273790522346705
LUSC	DPF1	cg27400772	0.0697387290376258	446	1.46808767616795	0.142793272164547	0.00486349032778338	0.305412400054129
LUSC	DPF2	cg02186298	0.0210596641515398	500	0.468651885554728	0.63952479817793	0.000443509454175649	0.788212616636098
LUSC	DPF2	cg14699126	-0.160532458128246	370	-3.12001128645131	0.00195115370009408	0.025770670112697	0.0116526985218117
LUSC	DPF2	cg15918224	-0.14595219298641	370	-2.83015481671757	0.00490777657567302	0.0213020426375423	0.0244184553615094
LUSC	DPF2	cg15929437	-0.156763217872344	370	-3.0448862462421	0.00249526702071038	0.024574706477692	0.0142178863699658
LUSC	DPF2	cg18224556	-0.123993759384359	370	-2.39711123256133	0.0170229069466278	0.0153744523662662	0.0643104129276401
LUSC	DPF2	cg19517014	-0.155797361677183	370	-3.025657788092	0.00265535321236201	0.024272817905571	0.0149374898982204
LUSC	DPF3	cg00888802	0.00793251355195738	370	0.152176782126254	0.879130901648522	6.29247712519875e-05	0.93585174075788
LUSC	DPF3	cg05151458	0.00129636076889858	370	0.0248685322607091	0.980173306422428	1.68055124313931e-06	0.989801346921421
LUSC	DPF3	cg07171024	0.000903287138754358	370	0.017328058807787	0.986184291998037	8.15927655039034e-07	0.992782080201034
LUSC	DPF3	cg10266394	0.0145762715622377	370	0.279651080590293	0.779902325918724	0.000212467692656099	0.878383737875278
LUSC	DPF3	cg12913429	-0.0549907207036828	370	-1.05650355931461	0.291431281998037	0.00302397936351044	0.489023212436214

LUSC	DPF3	cg13819165	0.0512097730257076	370	0.983664422714796	0.325926805632588	0.00262244085334449	0.525394063326348
LUSC	DPF3	cg14238615	-0.0141392434937078	370	-0.271264835396723	0.786339449285932	0.000199918206574359	0.882220078725993
LUSC	DPF3	cg14242696	-0.025679448762144	370	-0.492779744174606	0.622462115016028	0.000659434088727579	0.776371092406158
LUSC	DPF3	cg15392845	-0.0958989212744877	370	-1.84817839001425	0.0653786864396185	0.0091966031016104	0.175339384730709
LUSC	DPF3	cg15740492	0.0617349385179304	370	1.18654469654731	0.236172709750005	0.00381120263381265	0.427453812812151
LUSC	DPF3	cg16696021	0.0977393307722185	370	1.88398588573963	0.0603550004082576	0.00955297677980114	0.165355059051241
LUSC	DPF3	cg19710444	0.0350096855425623	370	0.672014176980979	0.501996344907109	0.0012256780817891	0.685741692667187
LUSC	DPF3	cg19839347	0.0705453088781212	370	1.35667371387182	0.175716558307232	0.00497664060470953	0.351514450137646
LUSC	DPF3	cg20548765	-0.03366074633732	370	-0.646091202746754	0.518622983994582	0.0011330458439854	0.699437889601633
LUSC	DPF3	cg21035356	-0.061692388929842	370	-1.18572376854153	0.236496449801404	0.00380595085187089	0.427850627098216
LUSC	DPF3	cg22784589	-0.0256585647358754	370	-0.492378722805618	0.62274525382794	0.000658361944305109	0.776552020817708
LUSC	DPF3	cg23515460	0.0677738463906569	370	1.30312405666405	0.193347166212138	0.00459329425458436	0.374346676164934
LUSC	DPF3	cg24383902	-0.0337684081061191	370	-0.648160039952067	0.517285646741958	0.00114030538602141	0.698239968864815
LUSC	DPF3	cg25495195	-0.036950533007488	370	-0.709318520544833	0.478575987129875	0.00136534188953746	0.666090708181388
LUSC	DPF3	cg26057784	0.20539722068069	370	4.02604235289347	6.89031862994826e-05	0.0421880182633523	0.00070022919333533
LUSC	EED	cg00080012	-0.172199833384851	504	-3.90498542564272	0.000107195393311221	0.0296527826177704	0.00102245689397415
LUSC	EED	cg01739327	0.0110709586064776	370	0.212390825471971	0.831919735744366	0.000122566124466341	0.909860311015003
LUSC	EED	cg02172616	-0.287587422909408	370	-5.76022763634623	1.77546565020828e-08	0.0827065258156748	4.615614239653e-07
LUSC	EED	cg04607174	-0.35786875414076	370	-7.35202358792437	1.27631007039564e-12	0.12807004519026	7.12261589787361e-11
LUSC	EED	cg06358433	-0.221934940842214	370	-4.36634042707424	1.64434637405425e-05	0.0492551179666369	0.000201862524574998
LUSC	EED	cg10086030	-0.252741846629526	370	-5.01112158333545	8.42189139333358e-07	0.0638784410377026	1.46998568331387e-05
LUSC	EED	cg10535675	-0.302544750490251	370	-6.08918306651908	2.85645997298737e-09	0.0915333260492079	8.66674910836893e-08
LUSC	EED	cg12672785	0.0493259093974708	370	0.947388225958019	0.344062671095275	0.0024330453378875	0.543328896640194
LUSC	EED	cg16265078	-0.315031331865298	370	-6.3675777303111	5.72728890473569e-10	0.0992447400568233	1.97670236492905e-08
LUSC	EED	cg18574463	-0.00028905482072000	370	-0.0055450331163493	0.995578731017666	8.35526893814767e-08	0.99774623897956
LUSC	EED	cg19325359	-0.360228131123524	369	-7.39762327309324	9.51784359519415e-13	0.129764306452747	5.36933375376747e-11
LUSC	EED	cg21042619	0.0265879057228285	134	0.302087353592626	0.763071967522654	0.000706916730726016	0.868227061391466
LUSC	ELP3	cg01209934	0.217562621564711	370	4.27600047178036	2.42775566023189e-05	0.0473334943021095	0.000283495682726027
LUSC	ELP3	cg02516513	0.189443069482627	370	3.70117005132658	0.00024741498270273	0.0358886765749996	0.00207356190106885
LUSC	ELP3	cg04720865	-0.178221213976866	370	-3.47450087189701	0.000572821837202289	0.0317628011113878	0.00420674992951146
LUSC	ELP3	cg05621091	-0.356975678002638	370	-7.33099299620347	1.4638159123566e-12	0.127431634685443	8.09929552531079e-11
LUSC	ELP3	cg15692687	0.0784333397579635	370	1.50926182484808	0.132089962371169	0.00615178878558815	0.289304499921245
LUSC	ELP3	cg17572663	0.169782776844427	370	3.30498171360318	0.00104315555041264	0.0288261913130045	0.00695264246819748
LUSC	ELP3	cg18022570	-0.114603142747013	370	-2.21305046313138	0.027507218538891	0.0131338803274923	0.0925263776370888
LUSC	ELP3	cg18249244	-0.210742404172752	504	-4.81578335548659	1.94729425445617e-06	0.0444123609165116	3.08738468835311e-05
LUSC	ELP3	cg19781013	0.22945596748166	370	4.52239035187225	8.25877277364877e-06	0.0526500410129444	0.000110430211267314
LUSC	ELP3	cg22414525	0.006260463012583	370	0.120098857029276	0.90447037817589	3.91933971319199e-05	0.949357680480391
LUSC	ELP3	cg22487209	-0.232008822030763	370	-4.57555082591729	6.50247153918677e-06	0.0538280935001024	8.96267312047299e-05
LUSC	ELP3	cg25374552	0.0892782550652885	370	1.7195204004333	0.0863604865500372	0.00797060682750271	0.214526541197228
LUSC	ELP4	cg04972224	-0.165775230115241	370	-3.22473919809077	0.00137365350094857	0.0274814269197611	0.00874269822897757
LUSC	ELP4	cg05195750	0.165739368888668	370	3.22402190241789	0.00137700312775405	0.0274695383996141	0.00876043353945851
LUSC	ELP4	cg05635455	-0.234056859849023	370	-4.61827120256598	5.35695933589722e-06	0.0547826136423852	7.56154308410441e-05
LUSC	ELP4	cg08111895	-0.0889900416010534	370	-1.7139249573032	0.0873845688710849	0.00791922750415721	0.216276251932972
LUSC	ELP4	cg08626560	-0.228011893153067	370	-4.49236276072321	9.44344117718265e-06	0.0519894234192458	0.000124494672587315
LUSC	ELP4	cg09616795	0.239177335820949	370	4.72536632298457	3.27452022971787e-06	0.0572057979704072	4.89133579639249e-05
LUSC	ELP4	cg10583382	-0.241632121167395	504	-5.56248053921974	4.34303246228285e-08	0.0583860819798546	1.03069514146074e-06
LUSC	ELP4	cg11385473	-0.141379394305087	504	-3.19022065304008	0.00151109668634265	0.0199881331340732	0.00945806224292703
LUSC	ELP4	cg13263383	-0.157904655805694	369	-3.06345097241783	0.00234961283648273	0.0249338803251146	0.0135416936584188
LUSC	ELP4	cg19328333	-0.0474591372925942	370	-0.911451147913311	0.362654369737105	0.00225236971255731	0.561640668086645
LUSC	ELP4	cg24001477	-0.00119109326936826	370	-0.022849146801852	0.981782988949834	1.41870317633437e-06	0.990581765201916
LUSC	ELP4	cg24531794	-0.124329600192224	370	-2.40370567834734	0.0167237123831754	0.0154578494839582	0.0634297375992566
LUSC	ELP4	cg25130734	-0.232581465881545	370	-4.58748919490571	6.16060984692497e-06	0.0540941382716081	8.54450284611036e-05
LUSC	EP300	cg00500400	0.171927358204407	504	3.89861813033104	0.000109966965118251	0.0295590164991465	0.00104581541374196
LUSC	EP300	cg02046995	0.15401430395214	370	2.99018363852381	0.00297565772836158	0.0237204058218622	0.0163561306663012
LUSC	EP300	cg07519229	-0.361614519936919	370	-7.44048392089869	7.14881366972151e-13	0.130765061029209	4.12869198680264e-11
LUSC	EP300	cg08131204	-0.219363998998086	370	-4.31318704137903	2.0696780710632e-05	0.0481205640564322	0.000246945607147685
LUSC	EP300	cg09331127	0.040296606467241	370	0.773651331409074	0.439633700312143	0.00162381649277569	0.632272130482934

LUSC	EP300	cg24349919	0.138179665060662	370	2.67641999229065	0.00777412975402952	0.0190936198362767	0.0351575776121946
LUSC	EPC1	cg02900516	-0.0522973814905556	370	-1.00461247925315	0.3157435904985	0.00273501611076871	0.514950477296786
LUSC	EPC1	cg16942190	-0.150631882471961	370	-2.92297185525112	0.00368138104269625	0.0226899640170465	0.0194004441698626
LUSC	EPC1	cg26211455	0.115804165153174	370	2.23655646938791	0.0259139058111948	0.0134106046668236	0.0885079856291911
LUSC	EPC2	cg00066942	-0.10256670963064	370	-1.97800161448017	0.0486740607769008	0.0105199219924455	0.141447511545694
LUSC	EPC2	cg03664802	-0.186061082882801	370	-3.63270405368479	0.000320283958325401	0.0346187265635205	0.00258164219150242
LUSC	EPC2	cg04098458	-0.145013674716914	370	-2.81156382108865	0.00519410614989872	0.0210289658549029	0.0255578933475788
LUSC	EPC2	cg05586854	0.112500508702888	370	2.1719220281597	0.0304995968144121	0.0126563644584085	0.0999235895801379
LUSC	EPC2	cg10458926	-0.121139610500827	370	-2.34110174329303	0.0197600788819013	0.0146748052322921	0.072152808098504
LUSC	EPC2	cg11721798	-0.119295374856334	370	-2.30494211038304	0.0217256944948883	0.0142313864621133	0.0775668240474635
LUSC	EPC2	cg12432635	-0.0137669048396068	370	-0.264120055048134	0.791835258840903	0.00018952766886279	0.885770632240052
LUSC	EPC2	cg16434205	0.0928426875178163	370	1.78875756979123	0.074476275834135	0.00861976462553088	0.192868822074418
LUSC	EPC2	cg21347644	-0.216741101446945	370	-4.25905675341285	2.60987085013293e-05	0.0469767050564349	0.000302087724489913
LUSC	EPC2	cg21650422	-0.130254156245796	370	-2.52017826616927	0.012151872563995	0.0169661452193042	0.0496503557900959
LUSC	EZH1	cg00728999	0.0407003283614597	370	0.781415152949022	0.435060783235341	0.00165651672873064	0.628437287786135
LUSC	EZH1	cg01716316	0.170582390329499	370	3.32101231430291	0.0009866992813904	0.0290983518905255	0.006642949709778
LUSC	EZH1	cg03623386	0.172945048384499	370	3.36841835593265	0.000835931123643111	0.0299099897607166	0.00578202416935113
LUSC	EZH1	cg05375741	0.0473205877337133	370	0.908784327871602	0.364058755619093	0.00223923802346406	0.563042222513105
LUSC	EZH1	cg05979501	0.112112031646305	370	2.16432649986024	0.0310819110343541	0.0125691076398621	0.101332083941268
LUSC	EZH1	cg06975499	0.219760164851406	504	5.03208492884873	6.78340549596652e-07	0.0482945300555171	1.21237819169723e-05
LUSC	EZH1	cg12812489	0.171793022178602	370	3.34529585806197	0.000906565974823775	0.0295128424692578	0.00619078243025288
LUSC	EZH1	cg19395400	0.0121575280302698	370	0.233239062336175	0.815705454558901	0.000147805487806797	0.900838957070414
LUSC	EZH1	cg22227424	0.0379416522332143	370	0.728371546663431	0.466849401804073	0.00143956897418618	0.656045020563765
LUSC	EZH1	cg27088844	0.189324801219968	504	4.30709153206037	1.99261869731434e-05	0.0358438803569805	0.00023855613871787
LUSC	EZH2	cg01893439	-0.0134884761270244	370	-0.258777377963746	0.795951694413968	0.000181938988229306	0.888242402422003
LUSC	EZH2	cg02303805	-0.0288799394011925	370	-0.554244477353428	0.579748189231538	0.000834050899816551	0.745672817893686
LUSC	EZH2	cg06816161	0.0244130756382236	504	0.545509386034489	0.5856469835565	0.000595998262117625	0.750078673019979
LUSC	EZH2	cg13751213	-0.12261676386136	370	-2.37008177934662	0.018299092219981	0.0150348707798326	0.0679941287797652
LUSC	EZH2	cg18494018	-0.0609149469330426	370	-1.17072537444214	0.242466724016789	0.00371063075985539	0.434874408864723
LUSC	EZH2	cg20101066	0.0312770648811683	370	0.600291825875258	0.548681248523485	0.000978254787580814	0.721856708792951
LUSC	FBXL19	cg00026853	0.169221052286782	370	3.29372431661996	0.00108457984942374	0.0286357645370459	0.00718304707003082
LUSC	FBXL19	cg02291855	0.190225912049994	370	3.71703753011531	0.00023291618015089	0.036185897615252	0.00197143741906848
LUSC	FBXL19	cg03181514	0.0933864151683125	370	1.799325213964	0.0727863461526866	0.00872102253798843	0.189712232807388
LUSC	FBXL19	cg03627896	0.089723725088263	504	2.01239279565025	0.0447153437246181	0.0080503468437142	0.132942958408352
LUSC	FBXL19	cg04477789	-0.260797356366902	370	-5.1823017091125	3.62091895380748e-07	0.0680152610879647	6.89055208151906e-06
LUSC	FBXL19	cg05643349	-0.0989554934542364	370	-1.90765855445142	0.0572135051806871	0.00979218968477141	0.159017822479535
LUSC	FBXL19	cg05768582	0.120427932403269	370	2.32714509143964	0.0204994719718251	0.0145028869029263	0.0742151862702978
LUSC	FBXL19	cg06862768	0.0586534130529846	370	1.12710797069082	0.26043121706235	0.00344022286276402	0.455565081568156
LUSC	FBXL19	cg07697662	0.069874876927979	370	1.34371691156603	0.179867859516583	0.00488249842570022	0.35688170771736
LUSC	FBXL19	cg08535091	0.273797371760589	504	6.35917044187702	4.58771353057963e-10	0.0749650007830061	1.61054416244545e-08
LUSC	FBXL19	cg08593668	-0.00987468803810656	370	-0.189438596957294	0.849853516487275	9.75094638499247e-05	0.919929655223619
LUSC	FBXL19	cg09011601	-0.133470650284272	370	-2.58352642306061	0.0101645269661976	0.0178144144873065	0.0431867734986379
LUSC	FBXL19	cg11940219	-0.2334428845253	370	-4.60545739100423	5.67843516740812e-06	0.0544955803354926	7.96408331364338e-05
LUSC	FBXL19	cg26666512	-0.0226265204151661	370	-0.434163070646014	0.664424464082963	0.00051195942609793	0.805117465759249
LUSC	FBXL19	cg27602786	-0.0874243716976898	370	-1.68353622226481	0.0931193688205579	0.00764302076673582	0.226315354369911
LUSC	FBXW9	cg02753619	0.0576792154717609	370	1.10832437283739	0.268445583334179	0.00332689189743782	0.464252177709337
LUSC	FBXW9	cg03160342	0.0736743698318987	370	1.41717083437536	0.157279035881978	0.00542791277012738	0.325954799728337
LUSC	FBXW9	cg05868316	0.0400530981738331	504	0.895436980488824	0.370985269384588	0.00160425067332271	0.569699916036729
LUSC	FBXW9	cg06489804	0.0973172019128989	504	2.18426943885896	0.0294071779228312	0.00947063778815592	0.0972497024030239
LUSC	FBXW9	cg12110584	-0.205955626035687	370	-4.03747195660595	6.57676228364875e-05	0.0424177198957518	0.000673999005525189
LUSC	FBXW9	cg14342428	0.0874537602778398	370	1.68410652086819	0.0930090187372597	0.00764816018673387	0.226096606576038
LUSC	FBXW9	cg15828427	-0.191437639230653	370	-3.74161261381484	0.000212031278427552	0.0366483697142055	0.00182169594008361
LUSC	FBXW9	cg19721801	-0.0347260175428612	370	-0.666562542330883	0.505469274901536	0.0012058962943871	0.688635718042978
LUSC	FBXW9	cg21564527	0.0211021789675138	370	0.40490014186316	0.6857861713775	0.000445301957176983	0.8191581994857
LUSC	FBXW9	cg22303873	0.191441311911293	370	3.74168712651397	0.000211970727721974	0.0366497759063168	0.00182169594008361
LUSC	FKBP1A	cg04613791	0.15193430429634	504	3.43381987808816	0.000644682350240663	0.0230840328220128	0.00464979091167458
LUSC	FKBP1A	cg07516946	0.0607519145488177	370	1.16758042942594	0.243731985776439	0.00369079512134685	0.436427087128503

LUSC	FKBP1A	cg10996143	-0.00605758491229951	504	-0.135318679660941	0.892414483808808	3.66943349697187e-05	0.943018690365797
LUSC	FKBP1A	cg21332426	-0.172637896172648	370	-3.36225206716376	0.00085424924713745	0.0298038431949181	0.00588935359197189
LUSC	FKBP1A	cg21775445	0.108692104559079	370	2.09750281829051	0.0366308037828977	0.0118139735934817	0.114741460936187
LUSC	FKBP1A	cg24641773	-0.0794761658961723	370	-1.52945523104483	0.127010725974925	0.0063164609455559	0.281669158655987
LUSC	FKBP1A	cg26779912	-0.152241954272095	370	-2.95495218144662	0.00332844945944964	0.0231776126405866	0.0178976092002405
LUSC	FKBP2	cg03764062	-0.102696253585412	370	-1.98052723935298	0.0483886047991194	0.0105465205004793	0.140793446113524
LUSC	FKBP2	cg04446112	-0.048537827073477	370	-0.932215725280169	0.351836240814542	0.00235592065701476	0.550686045468613
LUSC	FKBP2	cg06615912	-0.126612673616608	370	-2.4485576288751	0.0148089488968635	0.0160307691203457	0.0577959850741282
LUSC	FKBP2	cg09854726	-0.171304299466901	370	-3.33549090673324	0.000938163301986911	0.0293451630158455	0.00636687393481373
LUSC	FKBP2	cg10998122	-0.0693852434827034	370	-1.33425538759681	0.182945214225873	0.00481431201315403	0.360926151234721
LUSC	FKBP2	cg12423493	-0.232136824308215	370	-4.5782189559049	6.42452210943163e-06	0.0538875051999029	8.86780115296529e-05
LUSC	FKBP2	cg15010817	-0.113514501873378	370	-2.19175244953076	0.0290234468099038	0.0128855421355611	0.0963698843796005
LUSC	FKBP2	cg16977872	0.0810887502753697	504	1.81737028053309	0.0697600571576964	0.00657538542122127	0.183894611721928
LUSC	FKBP2	cg19924313	-0.104717781825679	370	-2.01994103481852	0.0441137137887985	0.0109658138304905	0.131652366996041
LUSC	FKBP2	cg21809711	-0.0279891160077369	370	-0.537134773829778	0.591499134701535	0.000783390614894555	0.754149080484138
LUSC	FKBP2	cg22074794	-0.0428810407110046	370	-0.823358324395687	0.410837503552082	0.00183878365245883	0.606714315984293
LUSC	FKBP2	cg24677501	0.035599560165736	370	0.683351123956095	0.494815003913198	0.00126732868399386	0.679895409760731
LUSC	FKBP5	cg00130530	-0.229330675952932	370	-4.51978383709346	8.35567078213343e-06	0.0525925589330285	0.000111668279131642
LUSC	FKBP5	cg00140191	-0.0486193930304857	370	-0.933785986798605	0.351026581080022	0.00236384537865284	0.549974017262514
LUSC	FKBP5	cg00610228	0.0688427762323362	370	1.32377405076794	0.18639981719312	0.00473932783937552	0.36535115592647
LUSC	FKBP5	cg01294490	-0.057924179039361	370	-1.11304723798609	0.26641465720289	0.00335521051738395	0.462122382756853
LUSC	FKBP5	cg07485685	0.0164842782576515	370	0.316266257889075	0.751979731211619	0.000271731429675681	0.861105248249702
LUSC	FKBP5	cg07843056	-0.0428367605947441	370	-0.82250653861465	0.411321291824839	0.00183498805825142	0.607109789705565
LUSC	FKBP5	cg08636224	0.0848361758966668	504	1.90195332517916	0.0577528203752026	0.00719717674077019	0.160073510624402
LUSC	FKBP5	cg08915438	-0.113039545056225	370	-2.1824629731176	0.0297070746533593	0.0127779387465184	0.0979676412843702
LUSC	FKBP5	cg10913456	-0.0398333791331723	370	-0.764743650810976	0.444914321714374	0.00158669809316705	0.636829158113119
LUSC	FKBP5	cg16012111	-0.0336382710765924	370	-0.645659319173026	0.518902388222901	0.00113153328102231	0.699670550124142
LUSC	FKBP5	cg17030679	-0.0410371869578953	370	-0.787893445168525	0.431266233400056	0.00168405071341725	0.625231557233022
LUSC	FKBP5	cg20813374	-0.243926828120072	370	-4.82507586959649	2.05376661571582e-06	0.0595002974767189	3.23357053436543e-05
LUSC	FKBP5	cg25114611	-0.111464798279049	370	-2.15167398179994	0.032073198667236	0.012424401255389	0.10374225137868
LUSC	FMR1	cg02921434	-0.0612495478309443	370	-1.17718022391414	0.239884380894234	0.00375150710949513	0.431810067550272
LUSC	FMR1	cg03513471	-0.0177363624329563	370	-0.340295953373786	0.733827827863564	0.000314578552353184	0.849848235683197
LUSC	FMR1	cg04552106	-0.0724374851123364	370	-1.39325203450538	0.164384552395046	0.00524718924939995	0.335963952002422
LUSC	FMR1	cg04744025	-0.0591686997215348	370	-1.1370445659317	0.256259484057616	0.00350093502673716	0.450539014255519
LUSC	FMR1	cg05288927	-0.0568809371437745	370	-1.0929350616132	0.275137252044601	0.00323544101035402	0.471651734989481
LUSC	FMR1	cg07147350	-0.0651129854809267	504	-1.45614584867845	0.145982446491652	0.00423970087823936	0.309997713338002
LUSC	FMR1	cg08434396	-0.0705174966477664	504	-1.57917283616388	0.114930079274182	0.00497271733346775	0.262773566114789
LUSC	FMR1	cg14470409	-0.0572908049595705	370	-1.10083628096512	0.271687449240936	0.00328223633291555	0.467991487642883
LUSC	FMR1	cg16783314	-0.0300465204469679	370	-0.576652557536233	0.56452673534704	0.000902793390970062	0.734237102934633
LUSC	FMR1	cg22625568	-0.195914999161125	362	-3.79068590238493	0.000176089218534274	0.0383826868963036	0.00156039237574386
LUSC	FXR2	cg01807919	0.146711471752528	370	2.84520098932745	0.00468662255109816	0.0215242559437929	0.0235523975930317
LUSC	FXR2	cg01933235	-0.0622669389987372	370	-1.19680936658381	0.232151299125865	0.00387717169227246	0.422760689404686
LUSC	FXR2	cg05529097	-0.249319008802078	504	-5.75097237006675	1.54819402233796e-08	0.0621599681500507	4.06755169786422e-07
LUSC	FXR2	cg05913233	-0.375964573878357	370	-7.7832787588832	7.22685483510491e-14	0.141349360811534	4.88025993960201e-12
LUSC	FXR2	cg09625173	-0.180714074721806	370	-3.52472931544906	0.000477366909100135	0.0326575768025585	0.00360231655122086
LUSC	FXR2	cg17777561	-0.297785734168188	370	-5.98399849695676	5.16723506346063e-09	0.0886763434740869	1.49434901311099e-07
LUSC	FXR2	cg19178740	0.0125352636242555	370	0.240486944708838	0.8100866976769	0.000157132834129582	0.897412345623672
LUSC	FXR2	cg22521096	-0.256183434033645	370	-5.08411655151424	5.89246262077159e-07	0.0656299518732708	1.06952458497505e-05
LUSC	FXR2	cg26904212	0.18006323032287	504	4.08914479888428	5.04632253628056e-05	0.0324227669143071	0.000534186440859178
LUSC	G2E3	cg02259031	0.0913923280337315	370	1.76057690896961	0.0791406484435603	0.00835255762342518	0.201440955196773
LUSC	G2E3	cg05076167	-0.231920968880536	370	-4.57371972557667	6.55649199015636e-06	0.0537873358064865	9.02913326043943e-05
LUSC	G2E3	cg07906495	-0.160874313945655	504	-3.64108545743192	0.000299843308022848	0.0258805448874853	0.0024418285548286
LUSC	G2E3	cg08810065	-0.110017138910066	504	-2.47260620925381	0.0137454013073377	0.0121037708539567	0.0545844690813186
LUSC	G2E3	cg09837748	-0.179321073174984	370	-3.49665325910947	0.000528711157521987	0.0321560472846279	0.00392992124863993
LUSC	G2E3	cg18580322	-0.10128805770616	370	-1.95308628933267	0.0515669380383235	0.0102592706338863	0.147604615555298
LUSC	G2E3	cg18755078	-0.00124375046080257	370	-0.0238592891223625	0.980977779589578	1.54691520874661e-06	0.99019314111057
LUSC	G2E3	cg18956956	-0.0753537473247442	370	-1.44965707853128	0.148005839017346	0.0056781872358814	0.312922033986015

LUSC	G2E3	cg19554565	0.0536455716692842	370	1.03058449567694	0.303412559884532	0.00287784735972431	0.501928224464281
LUSC	G2E3	cg21061067	-0.11314357282906	370	-2.18449747780235	0.0295561745617911	0.0128014680725248	0.0976035256636913
LUSC	G2E3	cg22926526	-0.0786390310760243	370	-1.51324445854602	0.131075898478556	0.00618409720857592	0.287740815193831
LUSC	GADD45	cg01810953	0.0414469253878089	370	0.795773688040104	0.426676589397573	0.0017178476241026	0.621174357326916
LUSC	GADD45	cg02639608	-0.0891837484511065	370	-1.71768557916881	0.0866952190528586	0.00795374098779024	0.215103906072529
LUSC	GADD45	cg04718306	-0.0791067760961321	504	-1.77266679624603	0.0768939585434205	0.00625788202432358	0.197415551002503
LUSC	GADD45	cg07000785	-0.051458679996329	504	-1.15102480266055	0.250273268839893	0.00264799574696459	0.443906946560206
LUSC	GADD45	cg22224769	-0.118554494493326	370	-2.2904226247412	0.0225618161456389	0.0140551681645681	0.0797335177047123
LUSC	GADD45	cg23369529	-0.204044303748747	370	-3.99836744982788	7.70941331464929e-05	0.0416340778923108	0.000769398459781689
LUSC	GADD45	cg23723105	-0.110216197523995	370	-2.12727338065573	0.0340619095602444	0.0121476101966483	0.108527694639976
LUSC	GATAD2A	cg02887458	-0.16936502821194	370	-3.29660939069263	0.00107382034400464	0.0286845127812313	0.00712102803183843
LUSC	GATAD2A	cg08505228	0.0376369032387398	370	0.722512902263054	0.470438091353169	0.00141653648540226	0.659006390296546
LUSC	GATAD2A	cg08870822	0.102541546274624	370	1.9775119345372	0.0487295703131973	0.0105147687123909	0.141555944471429
LUSC	GATAD2A	cg09334331	0.027024325656303	370	0.518605858708564	0.6043473153077757	0.000730314177177918	0.763211555771037
LUSC	GATAD2A	cg11795262	-0.279831202077619	504	-6.51107822892551	1.8220713775362e-10	0.0783055016562051	6.91444979239275e-09
LUSC	GATAD2A	cg14948912	0.225124035129258	370	4.43240716914598	1.23145738591995e-05	0.0506808311928796	0.000157281227844782
LUSC	GATAD2A	cg15264323	0.205376493125552	370	4.02561817435181	6.90222443878441e-05	0.0421795039285498	0.000701255907001168
LUSC	GATAD2A	cg22191731	-0.0758224110561344	370	-1.45872521382957	0.145493723568685	0.00574903801836541	0.309384942360111
LUSC	GATAD2A	cg26631329	-0.0623791857291284	370	-1.1989752388629	0.231309042965022	0.0038911628122291	0.421801075652725
LUSC	GATAD2E	cg02134200	0.276484493768602	370	5.51903305887997	6.44365756027938e-08	0.0764436752944799	1.46615354268609e-06
LUSC	GATAD2E	cg02940454	0.164448360959956	370	3.19820791623504	0.00150270453006476	0.027043263422416	0.00941310864094196
LUSC	GATAD2E	cg09805553	0.0264740671557522	370	0.508038730605227	0.611730560761874	0.000700876231767277	0.768630152209665
LUSC	GATAD2E	cg10226922	-0.0524808585057068	370	-1.0081467189089	0.314046442957487	0.00275424050949601	0.51312545121891
LUSC	GATAD2E	cg10489353	0.143342217420613	370	2.77847328549177	0.00574148850003686	0.0205469912950582	0.0276905433370704
LUSC	GATAD2E	cg15064304	-0.208034474221571	370	-4.08005874632741	5.52372733212309e-05	0.0432783424646456	0.000578893768119606
LUSC	GATAD2E	cg20773694	-0.114449253176751	370	-2.21003930127293	0.0277173331987462	0.013098631552716	0.0930899373510886
LUSC	GATAD2E	cg23046518	0.0624866644110922	370	1.20104915140894	0.230504592564218	0.00390458322922446	0.420807600355309
LUSC	GATAD2E	cg23323627	0.143107576459457	370	2.77382995095739	0.00582234275519623	0.0204797784400992	0.028007873627117
LUSC	GATAD2E	cg26398333	0.105859772760453	370	2.04221762285588	0.0418423296970948	0.0112062914888948	0.12651748157952
LUSC	GLYR1	cg00636946	-0.149092606978358	365	-2.87270319555408	0.00430895328672813	0.0222286054556031	0.0220386895651199
LUSC	GLYR1	cg00885266	0.00100889453075742	370	0.0193539626271106	0.984569225054141	1.01786817419223e-06	0.99189844047809
LUSC	GLYR1	cg01261535	-0.0398162985641724	504	-0.890134598718124	0.373822561787446	0.00158533763135132	0.572463629364027
LUSC	GLYR1	cg01565912	0.0743565963595601	370	1.43036649498453	0.153460370859714	0.00552890342217855	0.320689179645434
LUSC	GLYR1	cg02454264	0.0651580652186862	370	1.25261026542451	0.211142986851774	0.00424557346304257	0.397042724659099
LUSC	GLYR1	cg06399529	-0.0283764004785035	370	-0.544573038465201	0.586377034348877	0.000805220104116414	0.750520154822911
LUSC	GLYR1	cg06976003	-0.231707690219947	370	-4.56927490599842	6.6894206429189e-06	0.0536884537070629	9.17807388880482e-05
LUSC	GLYR1	cg11289281	0.0885965489502297	370	1.70628629999211	0.0887984619185598	0.00784934848589045	0.218814936537613
LUSC	GLYR1	cg15663121	0.170481406740398	504	3.86484401978027	0.000125838176392235	0.0290639100441851	0.00117351415658805
LUSC	GLYR1	cg18354686	0.118829358473317	370	2.29580884818462	0.0222484232858478	0.01412041643518	0.0788588409467489
LUSC	GTF2B	cg02705666	-0.310994915927382	504	-7.30957026384276	1.07180300510744e-12	0.0967178377326793	6.02020526926556e-11
LUSC	GTF2B	cg04270788	-0.144679591111035	504	-3.26626305224199	0.00116472789413429	0.0209321840840562	0.0076218743099161
LUSC	GTF2B	cg05306856	-0.291348807598949	370	-5.84250523626188	1.13255934011306e-08	0.0848841276893293	3.0645676975567e-07
LUSC	GTF2B	cg06356032	-0.1254788188989	370	-2.42627767460573	0.0157344032748462	0.0157449339922629	0.0605451930733236
LUSC	GTF2B	cg07167781	-0.109226488918351	370	-2.10793939189361	0.0357119731397685	0.0119304258814307	0.112522366886802
LUSC	GTF2B	cg10430205	-0.0777459080051328	370	-1.49595304715578	0.135522976292194	0.00604442621154258	0.294436127507887
LUSC	GTF2B	cg12074130	-0.302073980373413	370	-6.07875587786863	3.03041492121919e-09	0.0912486896186371	9.12691050643925e-08
LUSC	GTF2B	cg13868361	-0.0037178690797445	370	-0.0713215878535814	0.943180558287082	1.38225504941202e-05	0.969718299567398
LUSC	GTF2B	cg14010405	-0.0202093817227733	370	-0.387762352595135	0.698416097063758	0.000408419109616765	0.82704287776814
LUSC	GTF2B	cg17811845	-0.0819438249417009	370	-1.57725951824404	0.115595023938591	0.00671479044607612	0.263851865861121
LUSC	GTF2B	cg22607980	-0.0556987796344808	370	-1.07014913294493	0.285253576507446	0.00310235405277045	0.482465849131868
LUSC	GTF2H1	cg05849260	-0.285496621593569	370	-5.71461885309494	2.27306655598723e-08	0.0815083209413415	5.78067798811607e-07
LUSC	GTF2H1	cg07583091	-0.40685026005788	370	-8.54382604708027	3.49466603224697e-16	0.165527134109164	3.14293698627307e-14
LUSC	GTF2H1	cg08690812	-0.393997361454271	370	-8.22335405909351	3.44007830107927e-15	0.155233920832927	2.73917555121966e-13
LUSC	GTF2H1	cg10797557	-0.170596796258052	370	-3.32130118531119	0.000985708500428784	0.0291032668935112	0.00663742812103842
LUSC	GTF2H1	cg11063328	-0.104821000260409	370	-2.02195416261285	0.04390424170772	0.0109874420955927	0.131178191781325
LUSC	GTF2H1	cg111176342	-0.169149419810516	370	-3.29228898391065	0.00108996995033937	0.028611526222343	0.00720997751259826
LUSC	GTF2H1	cg11347316	0.0375190254697919	370	0.720246816351669	0.471830264678322	0.00140767727220289	0.659922755980391

LUSC	GTF2H1	cg11662851	0.0650672988785678	370	1.25085793299776	0.211780995584894	0.00423375338335287	0.397888740420615
LUSC	GTF2H1	cg13777411	-0.0400114606619922	504	-0.894504628569409	0.371483195025775	0.00160091698430615	0.570093183812734
LUSC	GTF2H1	cg14132868	0.138884505878788	370	2.6903399659923	0.00746322867873115	0.0192889059731951	0.0340444711993205
LUSC	GTF2H1	cg17174493	0.128280123578776	370	2.48134033926496	0.0135347917325216	0.0164557901053859	0.0539795749020705
LUSC	GTF2H1	cg18321761	0.131234165605217	370	2.53947066514398	0.0115128381607715	0.0172224062220975	0.0476094903188953
LUSC	H2AFZ	cg02758870	-0.165996110210266	370	-3.2291575283256	0.00135318662013211	0.0275547086049389	0.00863291782241735
LUSC	H2AFZ	cg09308803	-0.174773493492562	370	-3.40514666638497	0.000734186972818388	0.03054577740275946	0.00518711664366848
LUSC	H2AFZ	cg16267491	-0.251248715108968	504	-5.79847126976517	1.18850897227523e-08	0.0631259168439076	3.19705625827037e-07
LUSC	H2AFZ	cg17709884	-0.011616709078674	504	-0.259515135332921	0.795344836529027	0.000134947929818546	0.887972792562165
LUSC	H2AFZ	cg20934652	-0.0715198693041593	370	-1.3755114187131	0.169809623994001	0.00511509170528403	0.343464314066317
LUSC	H2AFZ	cg23752380	-0.0304915225901467	370	-0.585200924478016	0.558771277368665	0.000929732949865427	0.72976101133194
LUSC	H2AFZ	cg24061702	-0.173314978071305	370	-3.37584629002253	0.000814350937010919	0.0300380816238571	0.00565286131826782
LUSC	H3F3A	cg06319713	-0.130955219250625	370	-2.53397857720654	0.0116916356023381	0.0171492694489792	0.048161985705496
LUSC	H3F3A	cg10632229	0.000517033089123834	370	0.00991841567537482	0.992091753636797	2.67323215248934e-07	0.995791057124327
LUSC	H3F3A	cg10983539	-0.0369635703124759	370	-0.70956913268042	0.478420701056119	0.00136630553024535	0.665955589277644
LUSC	H3F3A	cg11978873	-0.0206516832612199	370	-0.396252482647178	0.692148434690181	0.000426492021521752	0.823220109516177
LUSC	H3F3A	cg15538837	-0.121357774725159	504	-2.73111346065354	0.00653553931522064	0.0147277094862424	0.0306806612614574
LUSC	H3F3A	cg15624314	0.0350167406440347	370	0.672149766550697	0.501910130282832	0.00122617212533159	0.685648358449986
LUSC	H3F3A	cg16724613	-0.16729735286855	370	-3.25519684252346	0.0012381931277038	0.0279884042768241	0.00801898070068178
LUSC	H3F3A	cg16727519	0.0631757945322257	370	1.21434763115246	0.225393678125414	0.003991181014778	0.414786643864605
LUSC	H3F3A	cg18947521	-0.0769196930349046	504	-1.72336160478891	0.0854426112860177	0.00591663917658395	0.212810479041572
LUSC	H3F3A	cg19410789	-0.0940261926499496	370	-1.81176171960207	0.0708380525707638	0.00884092490424543	0.185954967494179
LUSC	H3F3A	cg21266749	-0.0660687217342709	370	-1.27019311020334	0.204818358136444	0.00436507599160052	0.388963287083021
LUSC	H3F3A	cg21789564	-0.165419097779079	370	-3.21761642768484	0.00140725253208073	0.0273634779100444	0.00891641989580455
LUSC	H3F3A	cg22519151	-0.125981516123996	370	-2.43615434853572	0.015318026404509	0.0158713424049008	0.059345398575628
LUSC	H3F3A	cg27530209	-0.0949993356850891	370	-1.83068279852609	0.0679564177907689	0.00902487378060824	0.18044856352579
LUSC	H3F3A	cg27560444	-0.179414261661635	367	-3.48424130203635	0.000553525243036725	0.0321894772875894	0.00408702949476072
LUSC	HAT1	cg00414306	-0.197608553931365	370	-3.86704351970605	0.000130237733814709	0.039049140586845	0.00120716242873602
LUSC	HAT1	cg01583365	0.104095514768452	370	2.00780600265296	0.0453944225297547	0.010835876194909	0.134458334841598
LUSC	HAT1	cg04507121	-0.00389596084735685	370	-0.0747380545897258	0.9404637390175	1.51785109241375e-05	0.968318554824381
LUSC	HAT1	cg04950839	0.0481008828453749	370	0.923804240467999	0.356193572952545	0.00231369493050448	0.55494918717997
LUSC	HAT1	cg05421799	-0.034196727960181	370	-0.656390893125646	0.511982868621526	0.00116941620318262	0.693876331101252
LUSC	HAT1	cg09545452	-0.16366993988688	370	-3.18265138962197	0.00158349873773238	0.026787849222575	0.00983440464000002
LUSC	HAT1	cg10190161	-0.112148908499016	370	-2.16504747521687	0.0310262286271425	0.0125773776775207	0.10118023180968
LUSC	HAT1	cg12941622	-0.212962109440229	370	-4.18123725563553	3.62731812074408e-05	0.045352860057232	0.000402085474330529
LUSC	HAT1	cg13293756	-0.205630441879158	370	-4.03081549240287	6.75768453986482e-05	0.0422838786274179	0.00068900040772509
LUSC	HAT1	cg14446129	-0.0244142518238631	370	-0.468486196803868	0.639714313941077	0.000596055692119003	0.788321299857945
LUSC	HAT1	cg16017358	0.0264990144763451	504	0.59215108461211	0.55401762467438	0.000702197768217548	0.725813264137249
LUSC	HAT1	cg24611092	-0.189360279535322	134	-2.19034782578262	0.0302963943734796	0.0358573154656952	0.099411891542485
LUSC	HDAC1	cg03762702	-0.0374609653127412	370	-0.719130677152425	0.472516803676948	0.0014033239221624	0.660558409810593
LUSC	HDAC1	cg04967775	-0.100583200893862	370	-1.93935549164345	0.0532220434231362	0.0101169803020551	0.150975628867395
LUSC	HDAC1	cg06473843	-0.0908973957649867	370	-1.7509629099126	0.0807854877138665	0.00826233655685663	0.204398030091148
LUSC	HDAC1	cg10842753	-0.166412722989587	370	-3.23749251864294	0.00131534372342508	0.0276931943728089	0.00842718491357245
LUSC	HDAC1	cg14172124	-0.205877977604643	370	-4.03588237962544	6.61954377033158e-05	0.0423857416625779	0.000677401720690838
LUSC	HDAC1	cg20002354	-0.056477730708918	370	-1.08516279788378	0.278559926213711	0.00318973406602905	0.475486360940635
LUSC	HDAC1	cg20793809	0.00702880901673673	370	0.134839266266469	0.892812677730681	4.94041561937595e-05	0.943213914541121
LUSC	HDAC1	cg21930229	0.0706417963777042	370	1.35853858791931	0.175125016063185	0.00499026339546902	0.350710239354562
LUSC	HDAC1	cg23018091	-0.271018598418454	370	-5.40118219571917	1.1906296851013e-07	0.0734510806887034	2.54461114622997e-06
LUSC	HDAC1	cg26115470	-0.149655643531325	370	-2.90359275080806	0.00391154252123679	0.0223968116407751	0.0204005456487728
LUSC	HDAC10	cg00711351	0.0340962223017643	370	0.654459483305485	0.513224629300977	0.00116255237525133	0.694905522788968
LUSC	HDAC10	cg01120165	-0.0801900005101748	504	-1.79709629756248	0.072924882259493	0.00643043618182183	0.189980360096414
LUSC	HDAC10	cg04321608	0.000438827579213356	370	0.00841817336130405	0.993287910377567	1.92569644278254e-07	0.996515948775019
LUSC	HDAC10	cg04586023	-0.16497634604343	504	-3.7364916023906	0.000208169426330852	0.0272171947538415	0.00179498252626716
LUSC	HDAC10	cg07482373	-0.151343981134744	370	-2.9371130844294	0.0035213063067772	0.0229050006257136	0.0187294204040356
LUSC	HDAC10	cg07744063	-0.0398567293791495	370	-0.765192655047209	0.444647278253339	0.00158855887680276	0.636634342482429
LUSC	HDAC10	cg09151829	-0.0501950844348475	370	-0.964124016650004	0.335616870131603	0.00251954650142147	0.535195531219619
LUSC	HDAC10	cg10508940	-0.050944132673727	370	-0.978548550381943	0.328445937742145	0.00259530465387829	0.528059134510989

LUSC	HDAC10	cg11645658	-0.0901396203160998	370	-1.73624574646525	0.0833573103241631	0.00812515115073063	0.208988320582614
LUSC	HDAC10	cg12464820	-0.0496830878688244	370	-0.95426536231273	0.340575735961124	0.00246840922018133	0.539860806556222
LUSC	HDAC10	cg26943378	-0.0686155070425686	370	-1.31938319694935	0.187861322522293	0.00470808780670878	0.367290367537051
LUSC	HDAC11	cg01409735	0.0308889828067397	370	0.592836318603355	0.553654824700094	0.00095412925883506	0.725541126486071
LUSC	HDAC11	cg01712016	0.0951602289113969	504	2.13540904701788	0.0332138857267466	0.00905546916646946	0.10651061569836
LUSC	HDAC11	cg02762546	-0.159446432128902	370	-3.09835140700718	0.00209558943194562	0.0254231647186364	0.0123447133324835
LUSC	HDAC11	cg02941903	-0.0655952604844256	370	-1.26105118320531	0.208089271516013	0.00430273819801965	0.393210833110271
LUSC	HDAC11	cg05987698	-0.0429288337533097	370	-0.824277691345245	0.410315712184888	0.0018428847674193	0.606212145355829
LUSC	HDAC11	cg07450135	0.0451646831075059	370	0.867293869602542	0.386346184188873	0.00203984860020143	0.584315085498555
LUSC	HDAC11	cg08051076	0.0259201442136436	370	0.497401697538192	0.619202866957575	0.000671853876056081	0.774060054928135
LUSC	HDAC11	cg08448040	0.106660577338618	504	2.3962864580702	0.0169292971892086	0.0113764787582074	0.064015833642993
LUSC	HDAC11	cg10061496	-0.149457435335228	134	-1.71679289616852	0.0884170973798419	0.0223375249769839	0.218179270239403
LUSC	HDAC11	cg10455785	-0.00841144710612508	370	-0.161365241346378	0.871894293794666	7.07524424191399e-05	0.932063770288879
LUSC	HDAC11	cg11432034	-0.0191084511118087	370	-0.366630589371753	0.714105295609852	0.000365132903892382	0.837329083538631
LUSC	HDAC11	cg13397067	-0.012572192058387	370	-0.24119552240002	0.809537910768647	0.000158060013152969	0.897053819488215
LUSC	HDAC11	cg13706066	0.0530610803064924	370	1.01932396003227	0.308718840817689	0.00281547824329203	0.507329548629487
LUSC	HDAC11	cg16254764	0.0860170262263148	504	1.92862293534751	0.0543445897686401	0.00739892880081853	0.153338036939595
LUSC	HDAC11	cg18521047	-0.0481319846188885	370	-0.92440295393177	0.355882301797409	0.00231668794335292	0.554684406514086
LUSC	HDAC11	cg19779799	-0.0398490434497787	370	-0.765044861397138	0.444735167793143	0.00158794626386235	0.636713306402513
LUSC	HDAC11	cg20894727	-0.00717976328751749	370	-0.137735290520856	0.890524957719431	5.15490008647839e-05	0.942087065654309
LUSC	HDAC11	cg20922324	-0.027830991945218	370	-0.53409788057872	0.59359630274425	0.000774564112654791	0.755523813283566
LUSC	HDAC11	cg21655280	-0.114749100901788	370	-2.21590657991501	0.0273091989722756	0.0131673561577686	0.0920363604526603
LUSC	HDAC11	cg25127083	0.0198439608995086	370	0.380748146331097	0.703609833117167	0.000393782784181226	0.830689502033856
LUSC	HDAC11	cg25150878	-0.0220165691445891	370	-0.42245342554605	0.672940808517258	0.000484729316898474	0.810772309588062
LUSC	HDAC11	cg27025856	0.0792042236275209	504	1.77486422915661	0.076529859083421	0.00627330904043834	0.196772998993114
LUSC	HDAC2	cg00161229	-0.0262379188318404	370	-0.503503895985026	0.614911294677266	0.000688428384626244	0.7709075376875
LUSC	HDAC2	cg01129566	0.0632495288287766	370	1.21577062074192	0.224851640638794	0.00400050289706224	0.414147341027185
LUSC	HDAC2	cg08198132	-0.146380750336007	370	-2.83864665101276	0.00478182254070043	0.0214273240689323	0.0239287985804226
LUSC	HDAC2	cg10999867	0.0611552080502269	370	1.17536025705705	0.240610502848942	0.00373995947166654	0.432667316782179
LUSC	HDAC2	cg13393754	-0.208626465795956	370	-4.09219668597439	5.25429522510471e-05	0.0435250022305112	0.000553565334157362
LUSC	HDAC2	cg15005908	-0.0853928430517742	370	-1.64412414744218	0.101004534071863	0.00729193764446494	0.239939743605304
LUSC	HDAC2	cg15242771	-0.0626924055308402	370	-1.20501925659086	0.228970202048561	0.00393033771124333	0.418940526920596
LUSC	HDAC2	cg18387216	-0.0423212745186415	504	-0.946233435607349	0.344487503933013	0.00179109027688222	0.543715400815807
LUSC	HDAC2	cg18674783	0.156435440910209	370	3.03835979609937	0.00254858111162681	0.0244720471727714	0.0144680740253566
LUSC	HDAC2	cg22867643	-0.158746455303373	370	-3.08439707800204	0.00219379028898494	0.0252004370713857	0.0127962601590534
LUSC	HDAC2	cg24023618	0.1191000555406	370	2.3011139402148	0.0219434732411805	0.0141848232297739	0.0781047423502504
LUSC	HDAC3	cg01947930	-0.0811054937948653	370	-1.56101586684103	0.119379535824178	0.00657810112370894	0.269783046999364
LUSC	HDAC3	cg01961137	-0.168442971074073	370	-3.27813641994239	0.00114446506052521	0.028373034504261	0.00751075712151998
LUSC	HDAC3	cg04284814	0.0198598876688538	504	0.443723800001575	0.657434623605292	0.000394415138219491	0.800458088533353
LUSC	HDAC3	cg08520975	0.0165440545359033	370	0.317413434979169	0.751109929321058	0.000273705740486943	0.860582724698848
LUSC	HDAC3	cg10414058	0.146242251936478	504	3.30230820244929	0.00102769080740965	0.0213867962514524	0.0068672202947626
LUSC	HDAC3	cg11064797	-0.107205849160684	504	-2.4086788548512	0.0163718166123184	0.0114930940942633	0.0624007115926147
LUSC	HDAC3	cg11153694	0.14182908513489	370	2.74853811900278	0.00628112104675346	0.0201154893901998	0.0297421346832515
LUSC	HDAC3	cg12082871	0.0237674645411453	370	0.456067855525365	0.648610204911352	0.000564892370714599	0.794358009063455
LUSC	HDAC3	cg14098966	-0.101261466851053	370	-1.95256823861876	0.051628589232379	0.010253884668827	0.147710436201084
LUSC	HDAC3	cg17940889	-0.0178607633884245	370	-0.342683511911469	0.732032220012973	0.000319006868817284	0.848648583149875
LUSC	HDAC3	cg18671773	-0.192040897584677	370	-3.75385393193965	0.000202299459423524	0.0368797063451285	0.00175330705730767
LUSC	HDAC3	cg19549288	0.0286710922368156	370	0.550233112807952	0.582493310967052	0.000822031530051987	0.74768085727211
LUSC	HDAC3	cg20642138	-0.0986475785164859	370	-1.90166416270077	0.0579957929842657	0.00973134474716625	0.160603924529788
LUSC	HDAC3	cg23421926	-0.153744562407936	370	-2.98481971315073	0.00302705994456478	0.0236373904700078	0.0165882714375509
LUSC	HDAC3	cg24385322	0.0291276131422603	504	0.650937783081716	0.51538627465333	0.000848417847365175	0.69671676803971
LUSC	HDAC6	cg07153944	-0.0101440921024475	370	-0.194607439785033	0.84580766726526	0.000102902604582937	0.917678670364008
LUSC	HDAC6	cg07674520	-0.167812132676003	364	-3.2387726310146	0.0013114755545312	0.0281609118732684	0.00840813884382312
LUSC	HDAC6	cg10783042	-0.0195203140779779	504	-0.43613388697614	0.662928213953542	0.000381042661702903	0.804040740733371
LUSC	HDAC6	cg12510923	-0.00899767427834702	361	-0.170488493114009	0.864722024236354	8.09581424192275e-05	0.928183506902783
LUSC	HDAC6	cg13178935	-0.0376609029930909	370	-0.722974277987815	0.470154923781761	0.00141834361425501	0.658739145442181
LUSC	HDAC6	cg17152375	0.00479640217981876	370	0.0920120054858239	0.926738567969588	2.30054738705702e-05	0.961339575921089

LUSC	HDAC6	cg24616736	0.0405307035691482	504	0.906131910421897	0.365303359829849	0.00164273793181016	0.564249172532578
LUSC	HDAC6	cg26680189	0.00187166186923456	370	0.0359047628631984	0.971377765850313	3.50311815274661e-06	0.984834837504519
LUSC	HDAC9	cg00332048	-0.0852346139100556	370	-1.64105534312117	0.10164027532006	0.00726493940839625	0.241052483941489
LUSC	HDAC9	cg02301805	-0.0664248638842573	370	-1.27707032400401	0.202382599008368	0.00441226254204211	0.385971216867863
LUSC	HDAC9	cg03260621	-0.0378817517169305	370	-0.72721997368938	0.46755358693072	0.00143502711314317	0.656597294781003
LUSC	HDAC9	cg07513622	-0.00852794142043455	370	-0.163600230258077	0.870135673375913	7.27257848703632e-05	0.931127290577277
LUSC	HDAC9	cg08146609	0.0504974136120303	370	0.969945817045339	0.332710558993586	0.00254998878150447	0.532362726451704
LUSC	HDAC9	cg08285151	-0.0921427601558703	503	-2.06503493248813	0.0394366870143199	0.00849028824914224	0.121238396743411
LUSC	HDAC9	cg08725366	-0.0244471938261311	370	-0.469118700165261	0.639262594520695	0.000597665285972423	0.788020133706096
LUSC	HDAC9	cg10068437	-0.0150909060280395	370	-0.289526741006247	0.772341369089717	0.000227735444747119	0.87376424389165
LUSC	HDAC9	cg11321459	0.0456771013014125	370	0.877154253302717	0.38097511989398	0.0020863975832995	0.579379490890884
LUSC	HDAC9	cg11765288	-0.0375517221850995	370	-0.72087537600627	0.471443879748155	0.00141013183906689	0.659689761623338
LUSC	HDAC9	cg12081743	-0.0217477633035596	504	-0.485923158856181	0.627234953343576	0.000472965208707654	0.779636601217668
LUSC	HDAC9	cg16475478	-0.00729719308284935	369	-0.139797830944743	0.888896414856499	5.32490268883844e-05	0.941044972270409
LUSC	HDAC9	cg18856632	-0.0444752769630329	370	-0.854028815136429	0.393644607790165	0.00197805026093848	0.590417579933832
LUSC	HDAC9	cg19585556	0.101566659113991	370	1.95851433688112	0.0509246791828876	0.0103157862435777	0.146232325148395
LUSC	HDAC9	cg20648975	-0.00554066404703959	370	-0.10628999669611	0.915410184460988	3.06989580821571e-05	0.955263066407437
LUSC	HDAC9	cg21433125	-0.0468189274293247	370	-0.899128743317482	0.369172031578269	0.00219201196563237	0.567857024707857
LUSC	HDAC9	cg23074799	-0.0119819208214917	370	-0.229869595712686	0.818320819687623	0.000143566426572496	0.902303290696283
LUSC	HDAC9	cg23385718	-0.0271249481245046	370	-0.520538256717257	0.603001505149433	0.000735762810757066	0.762171396597249
LUSC	HDAC9	cg24350771	0.0190066987169673	370	0.364677576119094	0.715561570396284	0.000361254596117566	0.838286225546398
LUSC	HDAC9	cg25620356	-0.00743121096164795	370	-0.142559279467535	0.886716278524434	5.52228963565166e-05	0.939854473608295
LUSC	HDGF	cg00692559	-0.0885893032301502	370	-1.70614565035787	0.0888246682794546	0.0078480646468035	0.218833768860692
LUSC	HDGF	cg00746981	-0.0205118369537036	504	-0.458296150404809	0.646939208867491	0.000420735455215321	0.792974094092729
LUSC	HDGF	cg01910231	-0.128838754218941	370	-2.49232800323153	0.0131300402540895	0.0165994245886886	0.0527275630562997
LUSC	HDGF	cg02914429	0.0633258475630429	370	1.21724350814606	0.2242915818511	0.00401016296957775	0.413482293858253
LUSC	HDGF	cg04402095	-0.0714082667942773	370	-1.37335400525785	0.170478446074825	0.00509914056656268	0.344276004203959
LUSC	HDGF	cg05762852	0.219601323389798	370	4.3180896701814	2.02642011580786e-05	0.0482247412345509	0.000242267291361851
LUSC	HDGF	cg05967123	0.185812154957982	370	3.62766999836025	0.00032637024656516	0.0345261569301292	0.00262235560434725
LUSC	HDGF	cg06106793	0.137577254359491	504	3.10274696716536	0.0020260147583621	0.0189275009170961	0.0120204234374635
LUSC	HDGF	cg06119628	-0.267833445498781	370	-5.33276777886891	1.69226804078967e-07	0.0717347545277485	3.4919973465568e-06
LUSC	HDGF	cg07313589	0.019247643043687	370	0.369302227394107	0.712114867594413	0.000370471762737193	0.836174968448345
LUSC	HDGF	cg07892339	0.0357971400596069	370	0.687148620330845	0.492421880542643	0.00128143523644712	0.677901030431349
LUSC	HDGF	cg08597205	0.0326644020964725	370	0.626946430694395	0.53108310312767	0.00106696316432004	0.708809341969427
LUSC	HDGF	cg08708935	0.0116319119108841	370	0.223153856296901	0.823539579304581	0.000135301374702566	0.905043618289692
LUSC	HDGF	cg09063372	0.0956407800658729	370	1.8431574647539	0.0661100305833179	0.00914715881160867	0.17673414842607
LUSC	HDGF	cg09477492	-0.0447187486110344	370	-0.858713379889129	0.391057641699197	0.00199976647733689	0.588269024651257
LUSC	HDGF	cg11588596	0.109479312650189	370	2.11287770564428	0.0352841315783722	0.0119857198983578	0.111494932044676
LUSC	HDGF	cg12220178	-0.13742512660549	370	-2.66152312876808	0.00811971288266226	0.0188856654225349	0.0363318154833675
LUSC	HDGF	cg12421458	0.132039879812867	499	2.96065529404057	0.00321748529750518	0.0174345298609962	0.0174471712577144
LUSC	HDGF	cg13170934	0.0249437493911953	370	0.478653008438245	0.632469759574736	0.000622190633690757	0.783352212646983
LUSC	HDGF	cg13235992	0.11008036365248	370	2.12320641594464	0.0344034645190771	0.0121017680649378	0.109387465516699
LUSC	HDGF	cg14155849	-0.00350130173697051	370	-0.0671670246765341	0.946485212980113	1.22591138533127e-05	0.971477770939585
LUSC	HDGF	cg15503799	0.0406864614855777	504	0.909619903018041	0.363462137993509	0.0016553881482174	0.562402419770688
LUSC	HDGF	cg17170583	-0.0767895621188086	370	-1.477441619425	0.140412582879291	0.00589663685039837	0.301946473269795
LUSC	HDGF	cg17218029	-0.203836429734475	370	-3.99411735864433	7.84311269102533e-05	0.0415492900868974	0.0007814384076404
LUSC	HDGF	cg17971171	0.119759908092612	370	2.3140478430006	0.0212152575890075	0.0143424355863508	0.0761650167926186
LUSC	HDGF	cg18593717	-0.159675133031105	369	-3.09869291207053	0.0020936533748096	0.0254961481085012	0.0123370451931479
LUSC	HDGF	cg19599803	-0.0217396299030933	370	-0.417136993098673	0.676821442410921	0.000472611508323469	0.813319028868906
LUSC	HDGF	cg20284773	0.158313810193431	370	3.0757745052684	0.00225656888337983	0.0250632624979618	0.0131054512664166
LUSC	HDGF	cg23747104	0.155655733309428	370	3.02283897145261	0.00267959781353409	0.0242287073120957	0.015046674773067
LUSC	HDGF	cg26431298	0.15489078126153	370	3.00761749739022	0.00281406342974383	0.0239911541198073	0.0156447688453864
LUSC	HDGFL1	cg02685945	0.0404747154788558	370	0.777076430768896	0.437612899011074	0.00163820259309433	0.630484811202079
LUSC	HDGFL1	cg03930485	-0.0257219414465019	370	-0.493595703505089	0.621886184783087	0.00066161827177727	0.775989024757792
LUSC	HDGFL1	cg05276066	-0.00021407257229286	370	-0.0041066240560123	0.996725622497604	4.58270662080844e-08	0.998316892964834
LUSC	HDGFL1	cg06566039	-0.0263210655012233	370	-0.505100579405542	0.613790547082871	0.000692798489119688	0.770225842190518
LUSC	HDGFL1	cg08671671	-0.0510782160769203	370	-0.981130788492636	0.327172824521508	0.00260898415760056	0.526707421120919

LUSC	HDGFL1	cg09081892	-0.0243555108971247	370	-0.46735834463098	0.640520132947461	0.000593190911059959	0.788851397213396
LUSC	HDGFL1	cg11894257	-0.00907674742034528	370	-0.174129378806798	0.861859535541597	8.23873437327447e-05	0.926633599258153
LUSC	HDGFL1	cg15317945	-0.0496891911439563	370	-0.954382878331022	0.340516349673399	0.00246901571654063	0.539788668497043
LUSC	HDGFL1	cg20209681	-0.0430513319541724	370	-0.82663414387024	0.408980102474621	0.00185341718302834	0.60495119297075
LUSC	HDGFL1	cg21898884	0.00510173672615707	370	0.0978695529286168	0.92208916041714	2.60277176230199e-05	0.95909995915995
LUSC	HIST1H1	cg00667898	-0.193946843554715	370	-3.79255849511913	0.000174228340664459	0.0376153781248369	0.00154760442265939
LUSC	HIST1H1	cg00700007	-0.179850819750382	370	-3.507327771956	0.000508609629531384	0.0323463173648845	0.00380230420139963
LUSC	HIST1H1	cg03821311	-0.189427814943832	504	-4.30952226640064	1.97162419078287e-05	0.0358828970743948	0.000236479389913294
LUSC	HIST1H1	cg04676561	-0.20821085094551	504	-4.7552953184769	2.59704747499088e-06	0.0433517584514535	3.98254900984508e-05
LUSC	HIST1H1	cg07138603	-0.187083082756376	370	-3.65337950608731	0.000296388121921024	0.0350000798536288	0.00242045113969391
LUSC	HIST1H1	cg11206041	-0.183382352805757	370	-3.57857006810947	0.000391708592149032	0.033629087320575	0.00305214124776059
LUSC	HIST1H1	cg14334286	-0.187176340124435	370	-3.6552667495415	0.000294292526247637	0.0350349823023782	0.00240636880249198
LUSC	HIST1H1	cg18798248	-0.201727335456735	370	-3.95102759099941	9.32881753659479e-05	0.0406939178704743	0.000907711485650153
LUSC	HIST1H1	cg23460835	-0.186834077879145	370	-3.64834091151619	0.000302051936193379	0.0349069726569506	0.00245767475412904
LUSC	HIST1H1	cg00903962	-0.0224900399916662	370	-0.431542922429175	0.666326354664264	0.000505801898826745	0.806374818144015
LUSC	HIST1H1	cg04290376	0.00228659599517153	370	0.0438646312926252	0.965036099444033	5.22852124513449e-06	0.981620292426363
LUSC	HIST1H1	cg07750111	-0.00018516783547876	504	-0.0041363361936958	0.996701343688978	3.42871272958921e-08	0.998316892964834
LUSC	HIST1H1	cg08283682	-0.0435775533164766	370	-0.836757295536474	0.40327203881301	0.00189900315305036	0.59975806735909
LUSC	HIST1H1	cg10717387	0.028666280551714	369	0.549392712514456	0.583070105823535	0.000821755640669578	0.748096841858988
LUSC	HIST1H1	cg12633985	-0.0712334141263107	370	-1.36997399284773	0.171530269102646	0.00507419928809048	0.345700149082156
LUSC	HIST1H1	cg15022984	-0.0281360349737938	370	-0.539956500815723	0.589553621744289	0.000791636464046549	0.752666520882501
LUSC	HIST1H1	cg16481032	-0.0912458140466547	370	-1.75773075585262	0.0796247162850281	0.0083257985810367	0.202342964710335
LUSC	HIST1H1	cg16482183	-0.0618032029031724	370	-1.18786176506684	0.235653970126103	0.00381963588909069	0.426922171164856
LUSC	HIST1H1	cg17691542	-0.0482482365948245	370	-0.926640844506813	0.354720348115287	0.00232789233451016	0.553640727108735
LUSC	HIST1H1	cg20855557	-0.0555279813135458	370	-1.06685739358543	0.286735633121886	0.00308335670875749	0.484119972286744
LUSC	HIST1H1	cg21453677	-0.0694787262176275	134	-0.791038232915114	0.430373648054211	0.00482729339682403	0.624356399685388
LUSC	HIST1H1	cg23407813	-0.0610281255816073	370	-1.17290868080043	0.241591077027193	0.00372443211200444	0.43386897470459
LUSC	HIST1H3	cg00958605	0.000785082618619755	370	0.0150605005244321	0.987992074954292	6.16354718058852e-07	0.993665269616916
LUSC	HIST1H3	cg01043409	-0.0110619154789207	370	-0.212217316334656	0.832054990921576	0.000122365974062786	0.90994854024158
LUSC	HIST1H3	cg08041469	-0.0161292670142007	370	-0.309453244031093	0.757151915339529	0.000260153254415382	0.864589312635568
LUSC	HIST1H3	cg08401836	-0.00955187297285915	370	-0.183245053711863	0.854706662204955	9.12382772896371e-05	0.922551442004249
LUSC	HIST1H3	cg10075390	-0.0182583013192744	370	-0.350313344187006	0.726303975384961	0.000333365567065416	0.844966897382907
LUSC	HIST1H3	cg15479139	-0.0271314037413473	370	-0.520662233754206	0.602915208124244	0.000736113068975992	0.762096164826162
LUSC	HIST1H3	cg15797414	-0.0290708294204184	504	-0.649667717990934	0.516205820376397	0.000845113123191067	0.697352057624448
LUSC	HIST1H3	cg21209604	0.0703942435799794	370	1.3537540575373	0.176645683228897	0.00495534952919747	0.352683869241064
LUSC	HIST1H3	cg23099349	-0.0347924071143213	504	-0.777674337261321	0.437129566943946	0.00121051159280867	0.630056834543889
LUSC	HIST1H3	cg25701114	0.0186937686620346	370	0.358671335733804	0.720046652059637	0.000349456986789667	0.841216363112428
LUSC	HLTF	cg00906762	-0.0825757104200423	370	-1.58950526796548	0.112805073985719	0.00681874795137469	0.259631891291272
LUSC	HLTF	cg02059813	-0.128569130326585	504	-2.89605246591238	0.0039447003067553	0.0165300212729343	0.0205431795195958
LUSC	HLTF	cg02398045	-0.224778905483205	370	-4.42525011152078	1.27085865749659e-05	0.0505255563502275	0.00016151720460213
LUSC	HLTF	cg02611507	-0.375184439762565	370	-7.76447926603212	8.20987438263103e-14	0.140763363839949	5.49165062530007e-12
LUSC	HLTF	cg02710346	-0.0647946180274514	370	-1.24559375145919	0.213706049184005	0.00419834252532333	0.40024672918652
LUSC	HLTF	cg03678609	-0.256630057870257	370	-5.0936043897576	5.6234523444328e-07	0.0658589866024914	1.02644498283155e-05
LUSC	HLTF	cg04120413	-0.4746940621844	370	-10.3461932934406	3.43069155376199e-22	0.225334452673127	5.4802303641347e-20
LUSC	HLTF	cg04731810	-0.381721561385062	370	-7.92261009202388	2.78995878788995e-14	0.14571135042625	1.98031071117802e-12
LUSC	HLTF	cg04836786	-0.246943641814576	492	-5.62373926098328	3.15360565793327e-08	0.0609811622326456	7.72697948199247e-07
LUSC	HLTF	cg05555455	-0.299454326145703	370	-6.02082166274782	4.20272104714691e-09	0.0896728934473773	1.2351585989488e-07
LUSC	HLTF	cg07275648	-0.319391558418596	370	-6.46564456590113	3.20984984085524e-10	0.10201096758906	1.16034878494188e-08
LUSC	HLTF	cg09352720	-0.300881646492631	370	-6.05236848635503	3.51821233530221e-09	0.0905297651961165	1.04864295177203e-07
LUSC	HLTF	cg09392355	-0.0197976901206114	370	-0.379859995556898	0.704268470371454	0.000391948534111754	0.831189583313007
LUSC	HLTF	cg15438497	-0.254080505108023	370	-5.03948975008111	7.33402276845055e-07	0.0645569030759479	1.29580505848022e-05
LUSC	HLTF	cg16724124	0.182348545501259	370	3.55770017641664	0.000423040431898609	0.0332509920464247	0.0032548716604807
LUSC	HLTF	cg20117402	-0.0658714805842252	370	-1.2663845332545	0.206176447617041	0.00433905195435795	0.390624319037873
LUSC	HLTF	cg21089667	-0.115526974681551	504	-2.59807293647166	0.00965195132452344	0.0133464818790717	0.0414475547217916
LUSC	HLTF	cg21111416	-0.402100999409774	370	-8.42472044447609	8.23019288888462e-16	0.161685213726339	7.05131746253183e-14
LUSC	HLTF	cg21835021	-0.218452962017014	370	-4.29437437113553	2.24400634344415e-05	0.047721696614007	0.000264953465927401
LUSC	HLTF	cg21926402	-0.243071229609641	370	-4.80708668102752	2.23540436541717e-06	0.0590836226639428	3.48429267087283e-05

LUSC	HLTF	cg24041269	-0.213182827925146	370	-4.18577698946201	3.55880952003507e-05	0.0454469181221622	0.000396071570531628
LUSC	HLTF	cg24710191	0.255821591254751	367	5.05569798905151	6.79926366567126e-07	0.0654446865521127	1.21484133579979e-05
LUSC	HLTF	cg25951608	-0.243314356929378	370	-4.812197283043	2.18228452659727e-06	0.0592018762879565	3.41174924562115e-05
LUSC	HLTF	cg26151310	-0.282018544810324	504	-6.56635219467322	1.29646983165355e-10	0.0795344596169325	5.07076792778564e-09
LUSC	HLTF	cg27554556	-0.214371545820208	370	-4.2102380843276	3.21039774811546e-05	0.0459551596573457	0.00036152593071507
LUSC	IDH1	cg00707300	0.106286374901448	370	2.05054135683794	0.0410195106674296	0.0112967934896912	0.124636636834043
LUSC	IDH1	cg01046174	-0.0841607610549123	504	-1.88670265702916	0.0597806266014314	0.00708303370134204	0.164220984703971
LUSC	IDH1	cg02241586	-0.0619916694349649	504	-1.38745754238028	0.165921589014214	0.00384296707933397	0.33813701034165
LUSC	IDH1	cg03448938	-0.191503619457111	370	-3.74295126984497	0.00021094593775467	0.036673636265174	0.00181530180107155
LUSC	IDH1	cg05268564	0.00125445949091004	370	0.0240647244198589	0.980814024400975	1.57366861433427e-06	0.990066386575959
LUSC	IDH1	cg07129696	-0.0122520749383491	370	-0.235053191833321	0.814298186524793	0.000150113340294923	0.900078333653165
LUSC	IDH1	cg07915542	-0.096095041775348	504	-2.15658093616864	0.0315153464638987	0.00923425705380587	0.102431788711616
LUSC	IDH1	cg09406631	-0.00648164519363113	370	-0.124342125311162	0.901112285070363	4.20117244161215e-05	0.947878637482339
LUSC	IDH1	cg09615745	-0.173388117149123	370	-3.37731504678297	0.000810145732093172	0.0300634391685179	0.00562869313945309
LUSC	IDH1	cg10356455	0.0865826755952009	370	1.66720460529405	0.0963244748755254	0.00749655971322379	0.231902522157232
LUSC	IDH1	cg14772913	-0.0530834448679404	370	-1.01975480574718	0.308514687472894	0.00281785211904767	0.507106290954789
LUSC	IDH1	cg15399923	-0.220480913232903	370	-4.33626720173076	1.87345457181153e-05	0.0486118331000148	0.000226443771526057
LUSC	IDH1	cg16085695	-0.147355754081191	370	-2.85797237622531	0.00450605476001233	0.0217137182608364	0.0228085121999088
LUSC	IDH1	cg16863783	-0.0265587390779055	370	-0.509664734311513	0.610591865262523	0.000705366621408265	0.767782235541286
LUSC	IDH1	cg24324379	-0.0717529545597023	504	-1.60537068236425	0.109046156215141	0.0051484864880467	0.253341396941934
LUSC	IDH1	cg24830471	0.0423502310723571	370	0.813147827464751	0.416659076166471	0.00179354207188204	0.612200660508715
LUSC	IDH1	cg24987806	-0.0540918924862854	370	-1.03918381728787	0.299401542482122	0.00292593283274786	0.497716597129179
LUSC	IDH1	cg25795625	0.0299519746894091	370	0.574836404304018	0.565753197139545	0.000897120787795006	0.734997458937947
LUSC	IDH1	cg26105702	-0.138980819498612	370	-2.69224239679984	0.007421619231286	0.0193156681885056	0.0339099474302922
LUSC	ING2	cg02075087	-0.0236554401798184	370	-0.453917042035847	0.650156117068445	0.000559579850100967	0.795392720372352
LUSC	ING2	cg02552216	-0.0578131005262724	370	-1.11090563401637	0.267334270302483	0.00334235459246088	0.463062702633446
LUSC	ING2	cg10348863	0.169709138843338	504	3.84681616304667	0.000135173046192123	0.0288011918069474	0.00124652109476885
LUSC	ING2	cg17985608	0.0430095434057459	370	0.825830268847608	0.409435437200249	0.00184982082397074	0.605382985546739
LUSC	ING3	cg01382559	-0.182221347564416	370	-3.55513322441351	0.000427052517935577	0.0332046195081916	0.00328087335377052
LUSC	ING3	cg01416111	-0.163887019521764	370	-3.18698904956294	0.00156057607463867	0.0268589551677269	0.00971227641203525
LUSC	ING3	cg10268125	-0.0529237051846515	370	-1.01667750847357	0.309974811133645	0.0028009185704719	0.508748717427177
LUSC	ING3	cg14303833	-0.156472578604798	370	-3.03909920240912	0.00254248884302622	0.0244836678552346	0.014441470287265
LUSC	ING3	cg16130600	0.131456033062876	370	2.54383938260143	0.0113723567730919	0.0172806886286279	0.0471463428087352
LUSC	ING3	cg18485114	0.0227545474346781	370	0.436620952669682	0.662642327601137	0.000517769428957015	0.803829677739013
LUSC	ING3	cg19478983	0.0579348203550239	370	1.11325240570864	0.266326672248738	0.00335644340956889	0.462117314109146
LUSC	ING3	cg19960827	-0.00112152773357528	370	-0.0215146457666272	0.982846781079496	1.25782445717849e-06	0.991114283694631
LUSC	ING3	cg20553930	0.0703336708415295	370	1.35258338758067	0.177019257384573	0.00494682525404462	0.353184994203162
LUSC	ING3	cg24859794	-0.00116210655319193	370	-0.0222930840183014	0.982226248316154	1.35049164097162e-06	0.990759150997185
LUSC	ING4	cg00369908	-0.0430199346723159	370	-0.826030162431023	0.409322184248244	0.00185071477921033	0.605319076160211
LUSC	ING4	cg00443163	-0.169516791499415	370	-3.29965074774654	0.00106258539967431	0.0287359426002561	0.0070609693843225
LUSC	ING4	cg00591160	-0.207508120624922	370	-4.06927055580846	5.77418357232037e-05	0.0430596201252872	0.000601576050388497
LUSC	ING4	cg03930474	-0.208621878474053	504	-4.76510943220487	2.47902655768768e-06	0.0435230881780425	3.81501071216371e-05
LUSC	ING4	cg04375284	-0.279637625681222	370	-5.5872808773355	4.49406943278847e-08	0.0781972016966311	1.06200375897432e-06
LUSC	ING4	cg08733494	-0.269873432329203	370	-5.37656310425845	1.35176657854791e-07	0.0728316694771448	2.85448776361445e-06
LUSC	ING4	cg12392916	-0.236122697968439	370	-4.66142877671161	4.39796138462616e-06	0.0557539284958945	6.35584261481716e-05
LUSC	ING4	cg18123790	-0.105369313916409	370	-2.03264934482668	0.042805463861785	0.0111026923152148	0.128680071545394
LUSC	ING4	cg23354319	-0.279814921300931	370	-5.59112413877509	4.40333828553924e-08	0.078296390182646	1.04309774234239e-06
LUSC	ING4	cg27116036	-0.276274064808775	370	-5.51448534312611	6.59942942522634e-08	0.0763273588859633	1.49765464616703e-06
LUSC	INO80	cg00734724	0.0181982378923103	370	0.349160553372102	0.72716847975589	0.000331175862385117	0.845611480314499
LUSC	INO80	cg06380007	0.337294843234169	504	8.0036154578462	8.5360973583088e-15	0.113767811272362	6.42221622719802e-13
LUSC	INO80	cg12580230	0.0387780617075824	370	0.744452144096249	0.457078097786577	0.00150373806979707	0.647330301717123
LUSC	INO80	cg18952654	0.283128971672449	370	5.66307809743356	2.9959303140943e-08	0.0801620146002986	7.40559632768851e-07
LUSC	INO80	cg21007089	0.0885324477392078	370	1.7050420146562	0.0890305190243108	0.00783799430269556	0.219150746645274
LUSC	INO80	cg21598047	-0.109412763965299	370	-2.11157779424676	0.0353963241346805	0.0119711529185263	0.111754124989178
LUSC	INO80	cg22835709	-0.121371573726481	370	-2.34565154277984	0.0195241470140066	0.0147310589088427	0.0714745721946575
LUSC	INO80	cg26409855	0.117262674747548	370	2.26511530825903	0.0240864179297925	0.0137505348889493	0.0838079790871402
LUSC	INO80	cg27441689	-0.13985633128484	370	-2.70953948733002	0.0070527807378889	0.0195597934004549	0.0325868043430141

LUSC	INTS12	cg00093890	0.0687846634651304	370	1.32265128908514	0.186772725635291	0.00473132992801125	0.365796365098356
LUSC	INTS12	cg01852585	-0.04022407081143	370	-0.772256466249316	0.440458206430823	0.00161797587264293	0.633071699049967
LUSC	INTS12	cg03607115	-0.0889931561925147	370	-1.71398542238308	0.0873734501510391	0.00791978184910531	0.216255613281472
LUSC	INTS12	cg19703969	-0.0502937655192136	370	-0.966024239203832	0.334666457722833	0.00252946285010164	0.534256651487261
LUSC	INTS12	cg26533745	-0.0720561845206159	370	-1.38587977574321	0.1666228514711173	0.00519209372766904	0.339095330595626
LUSC	IWS1	cg02372421	-0.0592463501836303	370	-1.13854202725944	0.25563486055915	0.00351013001008135	0.449918742615292
LUSC	IWS1	cg02592214	-0.0200277309176979	370	-0.38427556921974	0.700996165316699	0.000401110005711713	0.828680774280358
LUSC	IWS1	cg10180764	-0.122441297742067	370	-2.36663850462231	0.0184675593121201	0.0149918713927616	0.0684560606848704
LUSC	IWS1	cg10488833	-0.20689812919331	370	-4.05677273628501	6.07783091898106e-05	0.0428068358636914	0.000629754808007866
LUSC	IWS1	cg15239145	-0.22761624360497	370	-4.48414122668034	9.79522188396103e-06	0.0518091543528372	0.0001285007573762
LUSC	IWS1	cg17144508	0.127158247446654	370	2.45928148462115	0.0143809283344605	0.0161692198937044	0.0565196493306569
LUSC	IWS1	cg18451256	-0.0304689250828072	370	-0.584766824319075	0.559062857915132	0.000928355395701716	0.729923066068907
LUSC	IWS1	cg18530950	0.103198649075396	370	1.99032012305919	0.0472950897983004	0.0106499611709867	0.138548171357992
LUSC	IWS1	cg19311602	0.250429166378526	504	5.7782894545975	1.33010056527361e-08	0.0627147673730436	3.5399877993464e-07
LUSC	IWS1	cg19409088	-0.0362507730816797	370	-0.695867777846764	0.486950864214362	0.00131411854901943	0.673292816128738
LUSC	IWS1	cg21581038	0.0825943869563967	370	1.58986724289243	0.112723423321423	0.00682183275670299	0.259535964333291
LUSC	IWS1	cg21679674	-0.040354275486417	370	-0.774760318965386	0.438978811943429	0.00162846755003363	0.631703989943159
LUSC	IWS1	cg22409775	0.0211724375512925	370	0.406248838954568	0.684795905842605	0.000448272111863382	0.818627646123296
LUSC	IWS1	cg23570261	0.0809642485751669	504	1.8145615080395	0.0701916472266861	0.00655520954734142	0.184738108273659
LUSC	IWS1	cg23623107	0.0545308365689069	370	1.04764161963585	0.295491334759508	0.00297361213690483	0.493430632929383
LUSC	JADE1	cg09863040	-0.198508538884409	370	-3.88537629247467	0.000121149686403562	0.0394056400100228	0.00113578195999985
LUSC	JADE1	cg12832492	-0.160426819975139	370	-3.11790391267317	0.00196479240756489	0.0257367645673357	0.0117214991803675
LUSC	JADE1	cg14617908	0.0899883989411603	370	1.73330915976557	0.0838783644330311	0.00809791194399342	0.20996310839511
LUSC	JADE1	cg15389440	0.148117493478371	370	2.87307687310288	0.00430068171399133	0.0219387918743152	0.0220081063845706
LUSC	JADE1	cg15836763	-0.0410373667794061	370	-0.78789690347551	0.431264212914572	0.0016840654721875	0.625231557233022
LUSC	JADE1	cg20039387	0.0242504622446262	370	0.465341375396129	0.641962262377781	0.000588084919078039	0.789690426138377
LUSC	JADE1	cg22922695	-0.111538943149075	370	-2.15312327062753	0.0319582883162521	0.0124409358388125	0.103460802383459
LUSC	JADE1	cg26766900	-0.196472453999716	370	-3.84391558757801	0.000142624614749306	0.0386014251806707	0.00130441327060986
LUSC	JADE2	cg04590931	0.036770995803998	501	0.821957701183183	0.41149353287894	0.00135210613241764	0.607240656676507
LUSC	JADE2	cg04842522	0.0716002390569683	370	1.37706509680775	0.16932919129419	0.00512659423301501	0.342800507651917
LUSC	JADE2	cg17378563	-0.106990978453865	370	-2.0642918818392	0.0396903982265334	0.0114470694705153	0.121811379187113
LUSC	JADE2	cg18145011	0.0396237094925542	370	0.76071194826795	0.447316271451056	0.00157003835395033	0.63895049798508
LUSC	JADE2	cg21194015	0.05377042096557	370	1.03298992078516	0.302286992065632	0.00289125817081461	0.500686183484739
LUSC	JADE2	cg25669900	0.0132358080078188	370	0.253929064582343	0.799692176251513	0.000175186613619841	0.890584127620786
LUSC	JADE2	cg26133206	-0.0307397473926015	370	-0.589969404640585	0.555573230726723	0.000944932069760952	0.727026374497959
LUSC	JADE3	cg10860619	-0.0257703750300531	370	-0.494525745317008	0.621230014892489	0.000664112229189583	0.775535978968969
LUSC	JADE3	cg17843048	-0.00550223376542302	501	-0.122912452585393	0.902225912295756	3.02745764093612e-05	0.948328401325905
LUSC	JADE3	cg19194595	0.0358552390008778	501	0.801460712656793	0.423246448208885	0.00128559816381007	0.618317669000808
LUSC	JARID2	cg01769037	-0.0993426607998506	504	-2.23017900963447	0.0261795287275967	0.00986896425479418	0.0892076328442689
LUSC	JARID2	cg03223185	0.169133145194394	370	3.29196288946785	0.00109119799464949	0.0286060208033481	0.00721596878576697
LUSC	JARID2	cg05197191	-0.155826812411905	370	-3.02624396742306	0.002650336845745	0.0242819954664549	0.0149146632362476
LUSC	JARID2	cg06047828	0.0252953433784495	370	0.485404139505289	0.627678548605733	0.000639854396633667	0.779938745032255
LUSC	JARID2	cg14862454	0.0332558452742398	370	0.63831079235615	0.523668405865423	0.00110595124490418	0.702965557114417
LUSC	JARID2	cg15109221	0.114859037573074	370	2.21805792244029	0.0271608592598965	0.0131925985122129	0.0916681945884767
LUSC	JARID2	cg21397480	0.0281387543641314	370	0.54000872978059	0.589517639067386	0.000791789497164923	0.752652457704518
LUSC	JARID2	cg21901688	-0.132807397202158	369	-2.56696222084888	0.0106550414532492	0.0176378047516118	0.0447859463374796
LUSC	JARID2	cg25338254	-0.102672133034054	370	-1.98005711100487	0.0484416333410288	0.0105415669017624	0.140914199010283
LUSC	JMJD6	cg02318866	0.118283290132572	370	2.28510863846824	0.0228747744165069	0.0139909367245863	0.0805905620650213
LUSC	JMJD6	cg04510639	0.0493662571290837	370	0.948165065370634	0.343667645348782	0.0024370273429348	0.543024755296403
LUSC	JMJD6	cg07312083	-0.184574530143962	370	-3.60265229948407	0.000358263110297265	0.0340677571778644	0.00283549507641744
LUSC	JMJD6	cg08857478	-0.00530323067326726	370	-0.101735033974123	0.919022402029209	2.81242555738827e-05	0.957315319419831
LUSC	JMJD6	cg10712116	0.245344069718758	370	4.85490013838	1.78355710929618e-06	0.0601937125461626	2.85552668780793e-05
LUSC	JMJD6	cg12504415	0.0197720956686709	370	0.379368720408755	0.704632887241709	0.000390935767131073	0.831443080132894
LUSC	JMJD6	cg15457598	0.138147877990939	370	2.67579232405919	0.00778841930851902	0.0190848361933995	0.0352058275239354
LUSC	JMJD6	cg21102709	-0.0285041338134565	370	-0.547026364640511	0.584692177067967	0.000812485644455436	0.749263564709596
LUSC	JMJD6	cg21807925	-0.164592316599611	370	-3.2010855011905	0.00148818406293244	0.0270906306836265	0.00934246215233748
LUSC	JMJD6	cg23630158	-0.178654086591467	370	-3.48321779723476	0.000555068936332919	0.0319172826558313	0.00409648352462604

LUSC	JMJD6	cg25004679	0.00804422102863748	370	0.154319908220745	0.87744209761328	6.47094919575735e-05	0.935004633903042
LUSC	JMJD6	cg25908504	-0.0507321510305919	370	-0.974466221331722	0.330465208293927	0.00257375114819079	0.530145717171291
LUSC	JMJD6	cg26612088	-0.0913868073609028	370	-1.7604696633299	0.0791588448893431	0.00835154855961877	0.201446271034852
LUSC	JMJD8	cg00873473	-0.271894945818074	370	-5.42003886078725	1.07998871121963e-07	0.0739268615614135	2.33185239524341e-06
LUSC	JMJD8	cg02851105	-0.28772812212446	370	-5.76330006544843	1.74606354366635e-08	0.0827874722612681	4.54557788153879e-07
LUSC	JMJD8	cg03899598	-0.298477602539525	370	-5.99925959704833	4.74376153737843e-09	0.0890888792177424	1.37802907034659e-07
LUSC	JMJD8	cg05787952	-0.109160654832764	370	-2.10665354669404	0.0358241014909562	0.0119160485635178	0.112793433357109
LUSC	JMJD8	cg06191810	-0.284848377868396	370	-5.70049613621146	2.45302470740648e-08	0.0811385983742564	6.1757477051126e-07
LUSC	JMJD8	cg06646636	-0.185039729465554	370	-3.612053881716	0.00034594921652989	0.0342397014806855	0.00275350658386804
LUSC	JMJD8	cg08398290	-0.292615832578553	370	-5.87028689781464	9.71954021423453e-09	0.0856240254756395	2.66146396137332e-07
LUSC	JMJD8	cg26750188	-0.167488381910252	370	-3.25902101582354	0.00122208921422901	0.0280523580749144	0.00793648955102523
LUSC	JMJD8	cg27579097	-0.184329223016839	370	-3.59769570305113	0.000364919632321104	0.0339772624579917	0.00287945611895608
LUSC	KAT2B	cg00770008	-0.0409706791528177	370	-0.786614379829487	0.432013893964971	0.00167859655024313	0.625802339995362
LUSC	KAT2B	cg04371528	-0.0419697740757118	370	-0.805829894308756	0.420861334982553	0.00176146193596629	0.61596853623899
LUSC	KAT2B	cg05072819	-0.146519393405609	370	-2.84139420327331	0.00474170318859011	0.0214679326439478	0.0237769251946599
LUSC	KAT2B	cg12062464	-0.0854001941873266	500	-1.90700116249441	0.0570990385123168	0.00729319316723308	0.158800321822793
LUSC	KAT2B	cg14937543	-0.101104322112866	370	-1.94950678576106	0.051994186532388	0.0102220839499021	0.148472479062533
LUSC	KAT2B	cg18053505	-0.101658953558008	504	-2.28271504750406	0.0228669764881757	0.0103345428385091	0.0805703867440167
LUSC	KAT5	cg00582417	-0.362270845163195	370	-7.45602622016481	6.45338141162301e-13	0.131240165255256	3.75552354844019e-11
LUSC	KAT5	cg02561205	-0.142329040773432	370	-2.75842684265702	0.00609799071440348	0.0202575558474853	0.0290535944167261
LUSC	KAT5	cg05785768	-0.321832289045701	370	-6.52073860656289	2.3117583676284e-10	0.103576022272396	8.60482920819539e-09
LUSC	KAT5	cg07564927	-0.291430812880893	370	-5.84430232123777	1.12143020748354e-08	0.0849319186964182	3.0376233134044e-07
LUSC	KAT5	cg14726348	-0.28006850925984	370	-5.9662227853338	4.27663231611547e-08	0.078438369879029	1.01697764029213e-06
LUSC	KAT5	cg18896539	-0.0881179969712762	504	-1.97609386753588	0.0486944918708681	0.00776478139022983	0.141485743654378
LUSC	KAT5	cg20108992	-0.00164427244160418	370	-0.031542657073334	0.974853873713398	2.70363186221898e-06	0.986832077714679
LUSC	KAT5	cg20423942	-0.17049729544439	370	-3.31930601674047	0.000992570517624695	0.0290693277538517	0.00667496808852831
LUSC	KAT5	cg22048492	-0.08901457686173	504	-1.99635992917615	0.046437628862685	0.00792359489387284	0.136653385525182
LUSC	KAT6A	cg10163397	-0.0989518955223528	370	-1.90758850784644	0.0572225953515181	0.00979147762746663	0.159035925217963
LUSC	KAT6A	cg12468056	0.28682338517881	504	6.68816241817583	6.074691396608e-11	0.0822676544799389	2.5070267507041e-09
LUSC	KAT6A	cg15251374	-0.393901156841268	370	-8.22097729608469	3.49816929384472e-15	0.155158121360889	2.77124828966758e-13
LUSC	KAT6A	cg20966972	0.238234635444185	504	5.47952722095731	6.77676603720882e-08	0.0567557415252236	1.53026046794517e-06
LUSC	KAT6B	cg04396765	-0.087991202182149	370	-1.69453660556266	0.0910093726624727	0.00774245166145983	0.222591980913145
LUSC	KAT6B	cg06972998	-0.195241630891719	370	-3.81887751691857	0.000157286786657548	0.0381192944332584	0.00141751254416558
LUSC	KAT6B	cg09631472	-0.00887597276069609	370	-0.170277387467911	0.864885567722522	7.8782892448619e-05	0.928270575527799
LUSC	KAT6B	cg10359932	-0.00575277070374259	370	-0.110359102497231	0.91218474588428	3.3094370769839e-05	0.953348560775464
LUSC	KAT6B	cg10739686	-0.0921657306967909	370	-1.77560279865593	0.0766247619814016	0.00849452191487339	0.196935305560437
LUSC	KAT6B	cg11128436	-0.0946266765684963	370	-1.82343646553215	0.0690483688423133	0.00895420791839881	0.182513295699056
LUSC	KAT6B	cg11348552	0.0950153231612626	370	1.83099369134272	0.067909890157424	0.00902791163543917	0.180355796630706
LUSC	KAT6B	cg15874302	-0.181243569888628	370	-3.5354070732556	0.000459095676433999	0.0328492316259738	0.00349050909426374
LUSC	KAT6B	cg15912797	0.0264034292219754	370	0.506682238037236	0.612681238305755	0.000697141074679863	0.769327634256995
LUSC	KAT6B	cg17147776	0.000446619495499584	370	0.00856764827626176	0.993168731954645	1.99468973760303e-07	0.996437637722882
LUSC	KAT6B	cg18462764	-0.115763623863802	370	-2.2357628473812	0.0259663640576171	0.0134012166100798	0.0886555766226398
LUSC	KAT6B	cg18491775	0.125706599704298	370	2.43075273060649	0.0155445227887217	0.0158021492092165	0.0600283249355083
LUSC	KAT6B	cg24671245	-0.0201245925459733	370	-0.386134821373483	0.699619966274078	0.000404999225141443	0.827835821270934
LUSC	KAT6B	cg26605858	0.0131936184513095	370	0.253119516515749	0.80031719623672	0.000174071567838734	0.890910417293649
LUSC	KDM1A	cg00062312	0.127755323312599	370	2.4710202702709	0.0139249921417398	0.0163214226347067	0.0551456342228929
LUSC	KDM1A	cg00541565	-0.0301490116068252	370	-0.5786213535002	0.563198645663907	0.000908962900868482	0.733182222260193
LUSC	KDM1A	cg04886391	-0.112166882241825	370	-2.16539888120102	0.0309991199981168	0.0125814094718515	0.101117260310013
LUSC	KDM1A	cg06958034	0.0634199832941029	504	1.41955277796895	0.156362307242373	0.00402209428102429	0.324764366028918
LUSC	KDM1A	cg07118078	0.125179958059553	370	2.42040674824262	0.0159866169409851	0.0156700218997914	0.0612493027748627
LUSC	KDM1A	cg07785945	0.113346129740992	370	2.18845915748442	0.0292642337665023	0.0128473451272617	0.0969180685916022
LUSC	KDM1A	cg10499166	0.0151645427343692	370	0.290939823000986	0.771261245944027	0.00022996335634251	0.873234553925471
LUSC	KDM1A	cg12578844	-0.077927002634116	370	-1.49945885617555	0.13461200545977	0.00607261773953752	0.293087219500066
LUSC	KDM1A	cg22683154	-0.222649352292727	370	-4.38112759803446	1.54177488748352e-05	0.0495727340763709	0.000191019008754408
LUSC	KDM1A	cg26662347	0.195744159823611	370	3.82909795877371	0.000151137523905893	0.0383157761050513	0.00137034878027215
LUSC	KDM1B	cg11007366	-0.106863428407327	370	-2.06180247631124	0.0399282648559847	0.011419792330968	0.122304974453931
LUSC	KDM1B	cg15124342	-0.238228514526851	370	-4.70549044082186	3.59023028987509e-06	0.0567528251336702	5.31086471136229e-05

LUSC	KDM1B	cg20677365	-0.179003716660247	366	-3.47123932795876	0.000580300181700028	0.0320423305781818	0.00425283771410004
LUSC	KDM1B	cg22406543	0.218778719961273	370	4.30109982812778	2.18013193512655e-05	0.047864128307893	0.000258262804570176
LUSC	KDM1B	cg23073439	-0.241453280136069	370	-4.77310140935768	2.62170729627927e-06	0.0582996864884672	4.01719711260093e-05
LUSC	KDM1B	cg23860886	-0.102868202154317	370	-1.98387875335089	0.0480119845755699	0.0105818670144615	0.140062411522552
LUSC	KDM1B	cg24342628	0.0770913726163297	504	1.72723100251536	0.084744982511084	0.00594307973186979	0.211608126126377
LUSC	KDM2A	cg05038268	-0.348125645476932	370	-7.12381764741986	5.56413933643415e-12	0.121191465038731	2.76762567479896e-10
LUSC	KDM2A	cg05295919	-0.291432149969807	370	-5.84433162371684	1.12124962781986e-08	0.084932698036024	3.0376233134044e-07
LUSC	KDM2A	cg06320126	-0.173723485382251	370	-3.38405054800504	0.000791119138982268	0.0301798493733573	0.00551818544768103
LUSC	KDM2A	cg07283932	-0.208883661028358	370	-4.09747157044839	5.14114595121908e-05	0.04363238384461	0.000543189336043918
LUSC	KDM2A	cg08836144	-0.285316465998996	366	-5.69515377590895	2.53402912335966e-08	0.0814054857701561	6.36321051073729e-07
LUSC	KDM2A	cg09993857	-0.15938065906149	370	-3.09703998982383	0.00210464291858417	0.025402194482875	0.0123813712640843
LUSC	KDM2A	cg11637544	0.311717138444824	370	6.29334187180181	8.83827388158308e-10	0.0971676990871249	2.95218839993076e-08
LUSC	KDM2A	cg16004548	-0.133657927405539	370	-2.58721734522721	0.010058246752581	0.0178644415583443	0.0428325920785848
LUSC	KDM2A	cg18132081	0.2252342977795	370	4.43469408927875	1.2191160459417e-05	0.0507304888962245	0.00015588414476987
LUSC	KDM2A	cg21293464	-0.362082020222525	370	-7.45155339025306	6.64637866060524e-13	0.131103389368425	3.85569262880778e-11
LUSC	KDM2A	cg21711868	-0.289048551620219	370	-5.79215396484296	1.49212509977765e-08	0.0835490651937462	3.93486033939331e-07
LUSC	KDM2A	cg25597833	-0.19847962999274	370	-3.8847872570544	0.000121432110119119	0.0393941635220549	0.00113815537043455
LUSC	KDM2B	cg03486832	-0.022831522064505	370	-0.438098733556555	0.661571754630237	0.00052127839978198	0.803055694534468
LUSC	KDM2B	cg05067991	-0.137733386873788	370	-2.66760854347966	0.00797690657975395	0.0189704858597247	0.0358473451158977
LUSC	KDM2B	cg07020001	-0.0239901999046936	370	-0.46034431779133	0.64554098589392	0.000575529691467163	0.792214020177017
LUSC	KDM2B	cg07529210	-0.0579290957315965	370	-1.11314203322354	0.266374002335009	0.00335578013228047	0.462117314109146
LUSC	KDM2B	cg07793808	-0.0223157654901965	370	-0.428197239393529	0.668758023601815	0.000497993389413447	0.807897171757882
LUSC	KDM2B	cg09151742	-0.010020511824714	370	-0.192236397488558	0.847663071934634	0.000100410657229234	0.918722882847247
LUSC	KDM2B	cg12251659	0.0736997048468056	370	1.41766082965513	0.157135956283389	0.00543164649450625	0.325831878431377
LUSC	KDM2B	cg12888660	-0.180108621442273	370	-3.51252367421022	0.00049908601690384	0.032439115517836	0.00374369854392222
LUSC	KDM2B	cg15234492	-0.0574489632870297	370	-1.10388532434321	0.270364173556642	0.00330038338275448	0.466470991099058
LUSC	KDM2B	cg15316703	-0.137438450144178	370	-2.66178613454079	0.00811349373524491	0.0188893275780336	0.0363144313698661
LUSC	KDM2B	cg16837338	-0.0502581395828734	366	-0.964025722748781	0.335667803862303	0.00252588059433158	0.53522152614298
LUSC	KDM2B	cg17452615	-0.0830444854520887	370	-1.59859123278997	0.110769666136442	0.00689638656400217	0.256190254709786
LUSC	KDM2B	cg20055546	-0.128265373251517	370	-2.48105024878075	0.013545626126842	0.016452005975351	0.0540131418816287
LUSC	KDM2B	cg21249371	-0.0780300938272603	370	-1.50145466417979	0.134095529715051	0.00608869554269105	0.292314502161926
LUSC	KDM2B	cg21781916	0.0173448634495207	370	0.332782233177546	0.739488165208304	0.000300844288082519	0.853248825668399
LUSC	KDM2B	cg26218726	-0.0247110371324006	370	-0.474184682487744	0.635649443251673	0.000610635356158881	0.785452178285506
LUSC	KDM2B	cg26509318	-0.00405508473277941	370	-0.0777906523508489	0.938036860523721	1.64437121900206e-05	0.966868206299633
LUSC	KDM3A	cg01744130	-0.164689193958385	370	-3.20302213852297	0.00147848486888827	0.0271225306066627	0.00928981923029596
LUSC	KDM3A	cg02152982	-0.133977995395542	370	-2.59352600924096	0.00987888751587241	0.017950103250208	0.0422146759357197
LUSC	KDM3A	cg02972551	0.112015626815176	504	2.51808728197391	0.0121112347521091	0.0125475006507968	0.0495155242960677
LUSC	KDM3A	cg03037033	-0.0975309290307853	370	-1.87993019352625	0.0609073620646673	0.00951228211760808	0.166411243088495
LUSC	KDM3A	cg04793821	-0.112214301580014	370	-2.16632599054454	0.0309276976459772	0.0125920494790904	0.100939306539317
LUSC	KDM3A	cg07052513	-0.0255472069519277	370	-0.490240407941403	0.624255943659077	0.000652659783044621	0.777416684102018
LUSC	KDM3A	cg07211384	-0.128658468013979	370	-2.48878170431288	0.0132594845501109	0.0165530013917042	0.0531349271669152
LUSC	KDM3A	cg12888358	-0.143052094470335	370	-2.7727320819046	0.00584160995401129	0.0204639017323496	0.0280831914943983
LUSC	KDM3A	cg18611949	-0.149664462163819	370	-2.90376776856723	0.00390940642707752	0.0223994512347851	0.0203921391704485
LUSC	KDM3A	cg19139691	-0.132963544449039	370	-2.57353361947909	0.0104573258327189	0.0176793041524517	0.0441337387202588
LUSC	KDM3A	cg20191795	-0.00745588195550416	370	-0.143032590523896	0.886342725736794	5.55901757344126e-05	0.93974821809069
LUSC	KDM3A	cg20918903	0.0392424799000904	504	0.877286357488709	0.380753286073548	0.001539972228709	0.579132701224056
LUSC	KDM3A	cg22404242	0.0573514821887505	370	1.1020060325038	0.271179255016794	0.00328919250924657	0.467488932559944
LUSC	KDM3A	cg24749656	-0.098718713025746	370	-1.90304893802955	0.0578142869579171	0.00974538430145958	0.160199630974326
LUSC	KDM3B	cg00435490	-0.0299931182344497	370	-0.575626739106212	0.565219320277826	0.00089958714142568	0.734717643911139
LUSC	KDM3B	cg03315484	-0.177727236503237	370	-3.46455599903591	0.000593723368450382	0.0315869705950775	0.0043373195347196
LUSC	KDM3B	cg05191700	-0.179013936303385	370	-3.49046582187312	0.000540700793585747	0.0320459893908323	0.00400678963004473
LUSC	KDM3B	cg05708550	-0.00075688513998146	370	-0.0145195786143536	0.988423327789664	5.72875115124769e-07	0.993904276637615
LUSC	KDM3B	cg05722427	-0.0235445490752279	370	-0.451788003376805	0.651687868784783	0.000554345791155816	0.79640081727855
LUSC	KDM3B	cg15001364	-0.128402363634769	370	-2.48374446407355	0.0134452971572312	0.0164871669869955	0.0536942221278053
LUSC	KDM3B	cg18682923	-0.052832659052501	370	-1.01492358976996	0.310809061622852	0.00279128986255782	0.50968781255693
LUSC	KDM3B	cg19076659	-0.149718129443474	370	-2.90483288402899	0.00389642959968904	0.0224155182840527	0.0203408162849422
LUSC	KDM3B	cg24137987	-0.128793570913754	370	-2.49143920667558	0.0131623766231647	0.0165877839087162	0.0528301479219106

LUSC	KDM4A	cg00154982	-0.149391943332803	370	-2.89835958890741	0.0039759071364392	0.0223179527327515	0.020658394073521
LUSC	KDM4A	cg00979347	0.259036660073418	370	5.14478929088471	4.36514382644542e-07	0.0670999912619917	8.16891986611726e-06
LUSC	KDM4A	cg03587511	0.133932640963065	370	2.59263200560629	0.00990412935000029	0.0179379523153412	0.0423016272457408
LUSC	KDM4A	cg08552254	-0.208972454585114	504	-4.7734822318625	2.38243595018375e-06	0.0436694867753275	3.68687531944688e-05
LUSC	KDM4A	cg10958452	-0.148906629206377	369	-2.88480254952861	0.00414780343207459	0.0221731842216054	0.0213691536552855
LUSC	KDM4A	cg10968649	0.183533762454088	504	4.1706793293646	3.58154673009398e-05	0.0336846419605536	0.000398032637601331
LUSC	KDM4A	cg12293275	0.173634084229328	370	3.38225490584747	0.00079615038372273	0.0301487952061575	0.00554631709065336
LUSC	KDM4A	cg17737314	-0.1380327970436	369	-2.66988503234167	0.00792499255583494	0.0190530530596796	0.0356759950748581
LUSC	KDM4A	cg19743044	-0.017530672600001	370	-0.33634829712445	0.736799941157431	0.000307324481808425	0.851568927980827
LUSC	KDM4A	cg20873046	-0.0766210882927071	370	-1.47418099661558	0.141287783623767	0.00587079117115881	0.303305714680125
LUSC	KDM4A	cg21451504	-0.19121195325562	370	-3.73703412642782	0.000215783308814641	0.0365620110678293	0.00184915694271053
LUSC	KDM4A	cg22094309	-0.0636595840845262	369	-1.22202084867733	0.222484041368701	0.00405254264581486	0.411081059932015
LUSC	KDM4A	cg24324755	0.0450182278667484	370	0.864475780549324	0.387889716781804	0.00202664084026248	0.585761285593005
LUSC	KDM4A	cg24505556	-0.156578511410533	370	-3.04120838238239	0.0025251838646602	0.0245168302355384	0.0143589031187322
LUSC	KDM4A	cg25841161	0.0989559330413823	370	1.90766711259171	0.0572123946462628	0.00979227668409055	0.159017822479535
LUSC	KDM4B	cg01098771	0.103581656666909	370	1.99778686692565	0.0464754078977811	0.010729159390698	0.136712844362096
LUSC	KDM4B	cg12072803	0.0854433148052303	504	1.91566459611581	0.0559789712686427	0.00730056004490569	0.156479629567833
LUSC	KDM4B	cg18115693	-0.0428227224273873	370	-0.822236497172679	0.411474737957699	0.00183378555609306	0.607240656676507
LUSC	KDM4C	cg00121158	0.115672842942058	504	2.60139781057133	0.00956015802425644	0.0133802065942979	0.0411169246649163
LUSC	KDM4C	cg00667760	0.264780222856995	370	5.26736397620358	2.36043072902804e-07	0.0701085664162	4.68915597890724e-06
LUSC	KDM4C	cg05545111	0.106534142640098	370	2.0553762526259	0.0405479208957406	0.0113495235480608	0.123585055561951
LUSC	KDM4C	cg14196303	-0.0699907220256951	370	-1.34595560860555	0.179145408179397	0.00489870116967811	0.355897829414984
LUSC	KDM4C	cg14473811	0.199215299710681	370	3.89978024235357	0.000114433904130398	0.0396867356388165	0.00108142263580177
LUSC	KDM4C	cg14497348	0.137217003836031	370	2.65741499010979	0.00821741340575373	0.0188285061417373	0.0366740553317197
LUSC	KDM4E	cg15555590	0.0692700474438498	370	1.33202951633028	0.183674837813553	0.0047983394728732	0.361926959186799
LUSC	KDM4E	cg19409026	0.101841665550319	370	1.96387279950306	0.050297265032668	0.0103717248420631	0.144905271732651
LUSC	KDM5B	cg00528052	0.0911193480719332	504	2.04395494807244	0.0414824553495937	0.00830273559305411	0.125685424539744
LUSC	KDM5B	cg00571448	0.0585097066704918	370	1.12433695216307	0.261602955444463	0.003423385774667	0.456970202989141
LUSC	KDM5B	cg02624558	-0.156125446812997	370	-3.03218837195032	0.00259995528180206	0.024375155142558	0.0146778607541734
LUSC	KDM5B	cg04504182	-0.0653653355991965	370	-1.2566119387321	0.209691247958868	0.00427262709799558	0.395162930735984
LUSC	KDM5B	cg08915090	0.0269751093764711	370	0.517660693434941	0.605006064151738	0.000727656525872579	0.763807883067515
LUSC	KDM5B	cg09889216	-0.0709720497011848	370	-1.36492189016678	0.173111511693392	0.00503703183878745	0.347994442767921
LUSC	KDM5B	cg11171004	0.192942987423444	370	3.77216738663001	0.000188523696221109	0.037269963958833	0.00165139200808748
LUSC	KDM5B	cg11221497	-0.162659119229229	370	-3.16245953374244	0.00169435759795178	0.0264579890684284	0.0103918996353722
LUSC	KDM5B	cg13134514	-0.00917816496998415	370	-0.176075147884902	0.860331756553108	8.42387122162442e-05	0.92577147339778
LUSC	KDM5B	cg13253785	-0.140031371933938	370	-2.71299846237061	0.00698103638590651	0.019608785125701	0.0323244297723475
LUSC	KDM5B	cg13993945	-0.109531256791208	370	-2.11389236297159	0.0351967705733117	0.0119970962142616	0.111309304035945
LUSC	KDM5B	cg14560895	-0.0594733324232176	504	-1.33088942611668	0.183833181489317	0.00353707726952255	0.362145315795896
LUSC	KDM5B	cg21105875	-0.0798097863256065	362	-1.51913008203141	0.129607474570947	0.00636960199333897	0.285523288216019
LUSC	KDM5B	cg24354901	0.0377788248751813	370	0.725241248315862	0.468764953805861	0.00142723960894962	0.657716670869747
LUSC	KDM5B	cg27531483	-0.131584948624301	370	-2.54637799417553	0.0112914284119035	0.0173145987044598	0.0468682841679447
LUSC	KDM5C	cg01859586	0.0320100822843459	370	0.614374685490396	0.539347402599248	0.0010246453678506	0.714738209283965
LUSC	KDM5C	cg04927657	0.130207093585107	370	2.5192519833438	0.0121833335213568	0.0169538872198807	0.0497658308196604
LUSC	KDM5C	cg04927982	-0.329874037168418	504	-7.80575529956629	3.50144396639107e-14	0.108816880397791	2.45840552275656e-12
LUSC	KDM5C	cg09554224	0.222042653446061	370	4.36856943094318	1.62847737140358e-05	0.0493029399493677	0.000200135495467568
LUSC	KDM5C	cg12234996	-0.119486863568111	370	-2.3086954659808	0.0215140079978951	0.0142771105653444	0.077017198388857
LUSC	KDM5C	cg16417926	0.0581050703573605	370	1.11653492807772	0.26492171220907	0.00337619920123382	0.460522874499294
LUSC	KDM5C	cg16824069	-0.184067743701659	370	-3.592413102901	0.00037214168123471	0.0338809342714195	0.00292605517990429
LUSC	KDM5C	cg19903753	-0.149991462583879	370	-2.9102580376443	0.00383093988425262	0.0224974388480512	0.0200608600804758
LUSC	KDM5C	cg24985300	-0.050563128442704	370	-0.971211289689591	0.332080985597974	0.00255662995791339	0.531758844708098
LUSC	KDM5C	cg27526317	-0.0458037714596715	370	-0.879591854134236	0.379654461273212	0.00209798547992982	0.578170856687633
LUSC	KDM6A	cg00751785	-0.267188782658165	370	-5.31894398156808	1.81607556431629e-07	0.0713898455783521	3.72769874539371e-06
LUSC	KDM6A	cg03267667	-0.00729534110737445	370	-0.139952631753431	0.888773982025387	5.32220018729475e-05	0.940982251376882
LUSC	KDM6A	cg03478540	0.0133254382841707	370	0.25564892639391	0.798364767039455	0.000177567305465243	0.889900322858492
LUSC	KDM6A	cg06877198	0.0673978047697887	370	1.29586061698395	0.195835681730595	0.00454246408778655	0.377674754764503
LUSC	KDM6A	cg07167981	-0.307555193921393	370	-6.20046669267065	1.51259485486931e-09	0.0945901973080254	4.8404279777747e-08
LUSC	KDM6A	cg11895950	-0.137862332584968	370	-2.67015431543854	0.00791783796638722	0.0190060227457684	0.0356479128859961

LUSC	KDM6A	cg14384228	-0.0117392048177065	370	-0.225212512775873	0.821938965645679	0.000137808929752064	0.904386593830712
LUSC	KDM6A	cg15923127	0.0583756066438493	370	1.1217512314706	0.262699635082049	0.00340771145103743	0.458138811884028
LUSC	KDM6A	cg17824914	-0.264061081339407	370	-5.25198396503462	2.55134710120019e-07	0.069728254678137	5.04395162365356e-06
LUSC	KDM6A	cg20211377	-0.0209949151982712	370	-0.402841097785939	0.687299046277152	0.0004407864641826	0.820086254649351
LUSC	KDM6A	cg22133177	0.166530488648852	370	3.23984892791166	0.00130482422908557	0.0277324036496253	0.00837382412782401
LUSC	KDM6A	cg27306636	-0.159519539160666	370	-3.09980910221846	0.00208556819943407	0.0254464833740311	0.0122996507093302
LUSC	KDM6B	cg01046511	-0.131124382904886	370	-2.5373091145692	0.0115829156010774	0.0171936037921872	0.047815406541269
LUSC	KDM6B	cg02308232	-0.110098004568408	370	-2.12496414192621	0.0342554869564018	0.0121215706099451	0.109019446583469
LUSC	KDM6B	cg24893073	-0.107338011546674	370	-2.07106547960129	0.0390492747278024	0.0115214487227939	0.120349567529449
LUSC	KDM8	cg00636124	-0.0168340917636278	370	-0.322979639086315	0.746894099610068	0.000283386645506242	0.857811760316905
LUSC	KDM8	cg01755539	-0.0773812649073624	370	-1.48889437687916	0.137371641428733	0.00598786015866339	0.297298433019164
LUSC	KDM8	cg06329197	0.21441718490709	370	4.21117762234153	3.19768676642976e-05	0.0459747291834813	0.000360366281772616
LUSC	KDM8	cg08572679	-0.119543002030701	370	-2.30979588121927	0.0214522881821045	0.0142905293345122	0.076838680732936
LUSC	KDM8	cg09140090	-0.124110393375348	370	-2.39940131948636	0.0169184738386055	0.0154033897437837	0.0639811265276592
LUSC	KDM8	cg10214171	0.0883486655444928	370	1.70147468881865	0.0896985394958589	0.00780548670349265	0.22032023343774
LUSC	KDM8	cg10221365	-0.0289677654383185	370	-0.555931389300497	0.578595597011462	0.000839131434489438	0.744817706797272
LUSC	KDM8	cg16752029	-0.0122260548302917	370	-0.234553927438885	0.814685419262042	0.000149476416713298	0.900288897340388
LUSC	KDM8	cg24206694	0.215521970464028	504	4.93026227218786	1.1198027460567e-06	0.0464497197526974	1.89172496909305e-05
LUSC	KDM8	cg24705286	0.134617306456897	504	3.03474611921996	0.00253300073139714	0.0181218191977102	0.0143991420459122
LUSC	KIAA202f	cg03495688	0.202620282624095	370	3.96926387727333	8.67009810727374e-05	0.0410549789306682	0.000850866168988587
LUSC	KIAA202f	cg25608569	-0.314288093903813	370	-6.35090631695963	6.31551596770944e-10	0.0987770059696919	2.1643579259559e-08
LUSC	KMT2B	cg09284703	0.0106369955203871	370	0.204064498554189	0.838415900291282	0.000113145673700735	0.913535954553553
LUSC	KMT2B	cg13830730	0.185719198893032	370	3.62579033870653	0.00032867053740985	0.0344916208374696	0.00263702514307569
LUSC	KMT2B	cg15496871	0.423736588747549	370	8.97417490088218	1.48506150589014e-17	0.179552696643409	1.5612010106651e-15
LUSC	KMT2B	cg24471867	0.322888075588553	504	7.62097430732644	1.27721953906699e-13	0.104256709357279	8.34958124556112e-12
LUSC	L3MBTL1	cg01071811	-0.169566801481886	504	-3.84349423076818	0.000136963037365318	0.0287529001647975	0.0012607860050642
LUSC	L3MBTL1	cg01877937	-0.0801485078559395	370	-1.54247721372649	0.123817117330714	0.00642378331153359	0.276648206387468
LUSC	L3MBTL1	cg02177317	-0.057812992158846	370	-1.11090354470263	0.267335168530649	0.00334234206235879	0.463062702633446
LUSC	L3MBTL1	cg02472486	0.057001707522861	370	1.09526315260278	0.27411766356262	0.00324919466052179	0.470577930955743
LUSC	L3MBTL1	cg02611863	-0.19297898675076	504	-4.39340738843943	1.36375864990069e-05	0.0372408893273499	0.0001716147531711
LUSC	L3MBTL1	cg03486259	-0.078392784975266	370	-1.50847661848047	0.132290611098598	0.00614542873617829	0.28960535231327
LUSC	L3MBTL1	cg04984575	0.0209495868233812	370	0.401970974785819	0.687938744403993	0.000438885188070389	0.820568946368663
LUSC	L3MBTL1	cg06362543	-0.00086990860125614	370	-0.0166877466833724	0.986694766152155	7.56740974539424e-07	0.993007258731262
LUSC	L3MBTL1	cg06446163	-0.0786670388964104	370	-1.51378676622371	0.130938285474242	0.00618850300872934	0.287608012541524
LUSC	L3MBTL1	cg06908806	0.0893726252667722	370	1.72135261999653	0.0860272753229043	0.00798746614707488	0.213903725396172
LUSC	L3MBTL1	cg07678583	-0.217459542870146	370	-4.27387396808268	2.44992709417463e-05	0.0472886527852929	0.000285955931529214
LUSC	L3MBTL1	cg08369943	-0.0142840331888439	370	-0.274043225028044	0.784205161202082	0.000204033604139993	0.880972379536957
LUSC	L3MBTL1	cg08633313	-0.0684442191521744	370	-1.31607404148134	0.188968381004399	0.00468461113535087	0.368711263423289
LUSC	L3MBTL1	cg09541000	-0.00523665480982222	370	-0.100457834269226	0.920035563006259	2.74225535972342e-05	0.957950165140988
LUSC	L3MBTL1	cg10360552	-0.0682552489699615	370	-1.31242341285156	0.190195272035979	0.00465877901195144	0.370327151042872
LUSC	L3MBTL1	cg12699433	-0.00270603941049318	370	-0.0519110264961477	0.958627754377578	7.32264929114228e-06	0.978274245632826
LUSC	L3MBTL1	cg14306330	0.00282608493885753	370	0.0542139254464606	0.95679414531776	7.98675608163735e-06	0.977155209074736
LUSC	L3MBTL1	cg15123011	-0.00395808457264232	370	-0.0759298218387442	0.93951619203737	1.56664334841891e-05	0.967736085663075
LUSC	L3MBTL1	cg15302378	-0.102791597105573	370	-1.98238559345312	0.0481794690949108	0.0105661124355143	0.140408841641174
LUSC	L3MBTL1	cg15330298	-0.10976746680025	370	-2.11850662173552	0.0348018219463851	0.0120488967677441	0.110378870535595
LUSC	L3MBTL1	cg15388309	-0.263992950571977	370	-5.25052736657156	2.57018571563197e-07	0.0696922779516983	5.07732421436956e-06
LUSC	L3MBTL1	cg16862791	-0.13533359779462	370	-2.62025464615876	0.00915031000629279	0.0183151826920361	0.0398298576896565
LUSC	L3MBTL1	cg17091610	-0.24569425338189	370	-4.86227445632666	1.72223275135263e-06	0.0603656661448843	2.76759708032899e-05
LUSC	L3MBTL1	cg17774347	-0.0391331329139005	370	-0.751279125355431	0.452964851806456	0.001531402091657	0.643345219020895
LUSC	L3MBTL1	cg18911945	-0.101277694674943	370	-1.95288439326462	0.0515909575408837	0.0102571714386709	0.147635765637551
LUSC	L3MBTL1	cg20091959	-0.159253753454166	504	-3.60344772293239	0.000345517630964321	0.0253617579892401	0.00275091583085031
LUSC	L3MBTL1	cg20252111	-0.109419458023968	370	-2.11170854959736	0.0353850251127129	0.0119726177942589	0.111727520237778
LUSC	L3MBTL1	cg20529070	-0.142387611450388	370	-2.75958546476831	0.00607685315193158	0.0202742318945467	0.0289706283920434
LUSC	L3MBTL1	cg22330467	-0.029293343245851	370	-0.562185013081705	0.574332234818469	0.000858099958519246	0.741542278173455
LUSC	L3MBTL1	cg22457903	-0.248106122898962	370	-4.91311987397997	1.35149681311383e-06	0.0615566482199549	2.23128911458781e-05
LUSC	L3MBTL1	cg22601123	0.0684640750348277	370	1.31645763646405	0.188839804633873	0.00468732957037451	0.368586144145109
LUSC	L3MBTL1	cg23626798	-0.241798123733263	504	-5.56653920722489	4.24890743045211e-08	0.0584663326409263	1.01206216976299e-06

LUSC	L3MBTL1	cg24343973	-0.172463156238332	370	-3.35874449589198	0.0008648352346288	0.0297435402596874	0.00594652574179891
LUSC	L3MBTL2	cg02358112	-0.253804220355202	370	-5.03363233635099	7.54687620866458e-07	0.0644165822701119	1.32918652428538e-05
LUSC	L3MBTL2	cg06235991	0.0360524692809588	504	0.805875060141586	0.42069875477425	0.00129978054125448	0.615879543261348
LUSC	L3MBTL2	cg08053598	-0.126482133390228	370	-2.44599205186552	0.0149130046975545	0.0159977300669435	0.0581146264309751
LUSC	L3MBTL2	cg09993119	0.0416480785186783	370	0.79964248729212	0.424433811807578	0.00173456244429799	0.619354428837552
LUSC	L3MBTL2	cg12821546	0.0554353168348667	370	1.06507154116839	0.287541867238521	0.00307307435258205	0.485043299647887
LUSC	L3MBTL2	cg13843727	-0.0978832867196842	370	-1.88678754879939	0.059975870197862	0.0095811378190479	0.164641054595168
LUSC	L3MBTL2	cg14679202	-0.177340861634639	504	-4.02529779377261	6.57428191700879e-05	0.0314497812053163	0.00067391091476593
LUSC	L3MBTL2	cg15283028	-0.147538708189704	370	-2.8615996897133	0.00445593682649513	0.0217676704142865	0.0226240144550556
LUSC	L3MBTL2	cg19467356	-0.0630880759693292	370	-1.21265478684013	0.226039726660958	0.00398010532951185	0.415447098185973
LUSC	L3MBTL2	cg24240981	-0.0748305816977731	370	-1.43953553158078	0.150848928280754	0.0055996159572271	0.316914744067741
LUSC	L3MBTL2	cg26947834	0.147590795854676	370	2.86263245325707	0.00444176037027771	0.0217830430210167	0.0225638178297887
LUSC	L3MBTL2	cg27177954	-0.217842131598808	370	-4.28176749329079	2.36858795309076e-05	0.0474551942995126	0.000277670179660552
LUSC	L3MBTL2	cg03454037	-0.0477085686187469	370	-0.916252367733554	0.360134577800673	0.00227610751964968	0.559040394002306
LUSC	L3MBTL2	cg07826275	-0.0722426426304452	370	-1.38948477475678	0.165525476353473	0.00521899941423022	0.337621628406976
LUSC	L3MBTL2	cg08106148	-0.0875581656355089	370	-1.68613258959174	0.0926178360135625	0.00766643236945521	0.225469768895953
LUSC	L3MBTL2	cg08358392	-0.307071068649174	370	-6.18968947095464	1.60927201042996e-09	0.0942926412013456	5.12241026102242e-08
LUSC	L3MBTL2	cg09710740	-0.0831729118679962	370	-1.60108062558566	0.110217112441255	0.00691773326860146	0.255390642637089
LUSC	L3MBTL2	cg10237990	-0.0753087392968958	370	-1.44878627291542	0.148248815866318	0.00567140621448781	0.313231439786642
LUSC	L3MBTL2	cg16487825	-0.061234084670249	370	-1.17688191238168	0.24000329345214	0.00374961312540322	0.431954844781042
LUSC	L3MBTL2	cg16800851	-0.183807754900707	370	-3.58716139793951	0.000379454313256271	0.0337852907616383	0.00297543280369503
LUSC	L3MBTL2	cg18411550	-0.0995257776978621	370	-1.91876213276892	0.0557877283477677	0.00990538042636426	0.156118944533481
LUSC	L3MBTL2	cg18798995	-0.070884645981569	370	-1.36323246332757	0.173642714099842	0.00502463303593237	0.348647859096222
LUSC	L3MBTL2	cg22934935	-0.0881127791525105	370	-1.69689624494361	0.0905618339893342	0.00776386184997909	0.221748556388426
LUSC	L3MBTL2	cg24516147	-0.117023553412385	370	-2.26043209906971	0.0243781794928735	0.0136945120532614	0.0845999061189543
LUSC	LBR	cg01017344	-0.0922843849961128	370	-1.7779083346118	0.0762445880424943	0.00851640771411076	0.196182161876623
LUSC	LBR	cg05530459	0.134714926919365	370	2.60805436055071	0.00947667491389822	0.0181481115348899	0.0408482074607601
LUSC	LBR	cg12994003	-0.0259999895989712	504	-0.580992181553375	0.561508033749441	0.000675999459146609	0.731923995534659
LUSC	LBR	cg14607642	-0.244124470579171	504	-5.62347188564383	3.12025805260362e-08	0.0595967571355603	7.65732980896675e-07
LUSC	LBR	cg18107727	-0.0416985085732182	370	-0.800612429069819	0.423872614591471	0.00173876561723075	0.61891861893331
LUSC	LBR	cg18289048	-0.0542290250112381	370	-1.04182609280759	0.298176261213575	0.00294078715366948	0.496375738588116
LUSC	LBR	cg18764107	0.10689875893483	370	2.06249201502191	0.0398622570528397	0.0114273446618068	0.122184571519646
LUSC	LBR	cg19322477	-0.173385285545623	370	-3.37725818230911	0.000810308163866714	0.0300624572437371	0.00562931892300832
LUSC	LBR	cg20483690	-0.173709238897658	370	-3.38376439839761	0.000791918917471557	0.0301748996784035	0.00552178365741529
LUSC	LBR	cg26930584	-0.09374706593300048	370	-1.80633555402464	0.0716827663593562	0.00878851237104714	0.187596350876665
LUSC	MBD1	cg01719254	-0.0918988068278776	370	-1.77041656002531	0.0774856257950225	0.00844539069638757	0.198443401800697
LUSC	MBD1	cg03841029	-0.234491743673132	504	-5.38838718322502	1.09784966372323e-07	0.0549863778508659	2.36647594180341e-06
LUSC	MBD1	cg05549078	-0.128550276066143	370	-2.48665364762674	0.0133377039507968	0.0165251734766816	0.0533543146198831
LUSC	MBD1	cg12090413	-0.117981311309559	370	-2.27919226666196	0.0232276577359723	0.013919589818323	0.0815494361364846
LUSC	MBD1	cg13478031	-0.0362297711321238	370	-0.695464095592425	0.487203433012125	0.00131259631628607	0.673509307026481
LUSC	MBD1	cg14389183	-0.136327811513078	370	-2.63986724143525	0.00864673582695473	0.0185852721919453	0.0381372132283771
LUSC	MBD1	cg19328682	-0.272811257966951	370	-5.4397710340441	9.74921580489762e-08	0.0744259824735105	2.12285253665862e-06
LUSC	MBD1	cg21282183	0.0483529552743951	370	0.928656747465679	0.353675715984833	0.00233800828376766	0.552686686941548
LUSC	MBD2	cg15090185	-0.245741973197597	370	-4.86327951746342	1.71403394039534e-06	0.0603891173910486	2.75556016447851e-05
LUSC	MBD2	cg16852837	-0.232516784827035	370	-4.58614048431905	6.19834787964275e-06	0.0540640552263015	8.58760952714031e-05
LUSC	MBD2	cg17987217	-0.0765695927179811	370	-1.47318438261772	0.141556128243308	0.0058629025289975	0.303676404063644
LUSC	MBD2	cg22224310	-0.143627986132271	370	-2.78412903860202	0.00564437907892716	0.0206289984004117	0.0273343392720405
LUSC	MBD2	cg22836370	0.0661871806896948	504	1.48175878599922	0.139035676902581	0.00438074288765031	0.299785465497491
LUSC	MBD2	cg23388714	-0.218968830991223	370	-4.30502547562086	2.14365555350515e-05	0.0479473489456629	0.000254367815938651
LUSC	MBD2	cg24881765	-0.213681272842942	370	-4.19603146697681	3.40857252457581e-05	0.0456596863637799	0.000381150626673639
LUSC	MBD2	cg25192916	0.137461076721236	370	2.6622327850499	0.00810294185425098	0.0188955476133614	0.0362818152762519
LUSC	MBD3	cg08660999	0.132380962984887	370	2.56205606561704	0.0108029078138554	0.0175247193608061	0.0452851282719616
LUSC	MBD3	cg09174855	-0.109873627789813	370	-2.12058054831718	0.0346255496999795	0.0120722140836943	0.1099554268518
LUSC	MBD3	cg12286540	-0.0694549767869274	370	-1.33560283288252	0.182504581272097	0.00482399380047262	0.36029440682844
LUSC	MBD5	cg03890220	0.220384483828872	370	4.33427385789109	1.88967352525204e-05	0.0485693207125184	0.000228056565658481
LUSC	MBD5	cg04152151	0.213801264984891	370	4.19850057059734	3.3733122106706e-05	0.0457109809091396	0.000377533376660781
LUSC	MBD5	cg05218490	-0.0274817223947223	504	-0.614127128622262	0.539411202306935	0.000755245065780583	0.714774345311167

LUSC	MBD5	cg06394585	0.167126752579918	370	3.25178194731721	0.00125273961669581	0.0279313514279091	0.00810037617332172
LUSC	MBD5	cg06758980	0.209576659509411	370	4.11168888670973	4.84760907421753e-05	0.0439223762111236	0.000516334962365546
LUSC	MBD5	cg20595490	0.116749905049825	370	2.25507316449597	0.0247158071121299	0.0136305403291432	0.0854681179038013
LUSC	MBD5	cg21412502	-0.0538259840572648	370	-1.03406044989072	0.301786958683176	0.00289723655973293	0.500185667251827
LUSC	MBD5	cg23120335	-0.153615813366731	370	-2.98225972473259	0.00305187774293881	0.0235978181163223	0.0166854857779311
LUSC	MBD5	cg25686162	0.158519317959833	370	3.07987002708914	0.00222654725709641	0.0251283741664506	0.0129515097389626
LUSC	MBD5	cg26664634	-0.13852837324963	370	-2.6833061465194	0.00761890075575855	0.0191901101951887	0.0346266732133832
LUSC	MBTD1	cg01388767	0.00760188725482061	370	0.145833695963342	0.884132522209976	5.7788689835004e-05	0.938575945310668
LUSC	MBTD1	cg14577476	0.0365790663143025	370	0.702178081538983	0.48301199244941	0.00133802809242614	0.669955214495904
LUSC	MBTD1	cg17045523	-0.0176453805455256	370	-0.338549798487843	0.735141982915425	0.000311359454596412	0.85064221363309
LUSC	MBTD1	cg18711617	0.0330029069005386	370	0.633450593701727	0.526832914549851	0.00108919186388562	0.705497043610953
LUSC	MBTD1	cg22141797	-0.017632663094596	369	-0.337845754373801	0.735672591328386	0.000310910807807526	0.850991993841082
LUSC	MBTD1	cg25259117	0.050501332376966	370	0.970021280475616	0.332672994207716	0.00255038457184879	0.532356171296233
LUSC	MBTD1	cg25716740	0.0434700148002638	504	0.971965342784821	0.331538692406176	0.00188964218673515	0.531244996779764
LUSC	MBTD1	cg25855326	-0.0585523567992339	370	-1.1251593460052	0.261254821132807	0.0034283784867448	0.456617783761078
LUSC	MBTD1	cg27207041	0.00377378137747607	504	0.084300490652999	0.932851331304544	1.42414258849852e-05	0.964334497299879
LUSC	MBTD1	cg27214721	0.136122284781817	370	2.63581220482608	0.00874876574603472	0.018529276414222	0.038462463921122
LUSC	MBTD1	cg27353579	-0.114979635001951	370	-2.22041797952811	0.0269989318601655	0.0132203164651819	0.0912514587116356
LUSC	MLLT10	cg00879184	-0.186609852783546	370	-3.6438043574108	0.0003072383324252	0.0348232371558968	0.00249413532637859
LUSC	MLLT10	cg03524461	-0.165686489655916	370	-3.22296423685347	0.00138195601478624	0.0274520128545	0.00878906852634735
LUSC	MLLT10	cg04188362	-0.0609825905732421	370	-1.17203026873309	0.241943107979024	0.00371887635302367	0.434250562769541
LUSC	MLLT10	cg05913198	0.105923669103103	370	2.04346427654149	0.0417182092461151	0.0112198236762636	0.126237804623821
LUSC	MLLT10	cg06398735	0.0543963336986381	370	1.04504988403649	0.296685879017587	0.00295896111985359	0.494671466250036
LUSC	MLLT10	cg11443787	-0.195177776704097	504	-4.4454364366153	1.08178525380298e-05	0.0380943645191543	0.000140424498638994
LUSC	MLLT10	cg15910013	0.00781951073288787	370	0.150008810474234	0.880839846163307	6.11447481017485e-05	0.936799253454391
LUSC	MLLT10	cg19119538	-0.183951465462475	369	-3.58518309397408	0.000382372588086176	0.033838141645792	0.00299198281206759
LUSC	MLLT10	cg20569108	-0.193391240561959	369	-3.77613003746369	0.00018573740397654	0.0374001719260936	0.00163100428266612
LUSC	MLLT10	cg23344688	-0.0553395425641171	370	-1.06322578509109	0.28837675771009	0.00306246497120573	0.485889710679232
LUSC	MLLT10	cg26877631	-0.0456731265503653	370	-0.877077765125827	0.381016605916431	0.00208603448888568	0.579431254826758
LUSC	MLLT10	cg27470303	-0.0157788065175536	370	-0.302727678300764	0.762268446133711	0.000248970735118392	0.867833216234592
LUSC	MLLT10	cg27572529	-0.125616620974779	370	-2.42898493250676	0.0156192887152799	0.0157795354651214	0.0602333290198031
LUSC	MLLT6	cg05652455	-0.04184072413077	370	-0.803347751849548	0.422292337523192	0.0017506461957872	0.61740714713281
LUSC	MORF4L	cg03589001	0.146715313667931	503	3.30990352890459	0.00100093227127807	0.0215253832646794	0.00671958276767398
LUSC	MORF4L	cg07757959	0.00964408575988663	370	0.185014246141845	0.853319784151453	9.3008390144048e-05	0.921812856158839
LUSC	MORF4L	cg08692282	0.0997972505787462	370	1.92404844857048	0.05511944204329	0.00995949122307706	0.154872751627684
LUSC	MORF4L	cg13747872	-0.165187979268412	370	-3.21299466984544	0.00142945926682986	0.0272870684947814	0.00903504665288938
LUSC	MORF4L	cg15822222	0.175617717898986	370	3.4221169918525	0.000691187418015818	0.0308415828400478	0.00493531289555967
LUSC	MORF4L	cg20775702	-0.249457626108843	370	-4.94165384162687	1.17854834530632e-06	0.0622291072238591	1.97936075075043e-05
LUSC	MORF4L	cg20905746	0.106698521588633	370	2.05858412796284	0.0402375820539129	0.0113845745092	0.122986109472816
LUSC	MORF4L	cg23623458	-0.286278142593447	359	-5.64534327909274	3.36576840015683e-08	0.0819551749267537	8.17347174427373e-07
LUSC	MORF4L	cg24795825	0.0653002651993572	369	1.24679823918336	0.213275381155563	0.00426412463510638	0.399689256206347
LUSC	MPHOSF	cg00331616	-0.150404463466743	370	-2.91845663120476	0.00373387442921532	0.0226215026307188	0.019638498231788
LUSC	MPHOSF	cg03134886	0.225933636232227	370	4.44920301452649	1.14353638294537e-05	0.0510460079811161	0.00014723646040194
LUSC	MPHOSF	cg03428000	0.287943519122037	504	6.71663812209716	5.0799988732511e-11	0.082911470204383	2.12469587282632e-09
LUSC	MPHOSF	cg04203901	0.0117735420369423	370	0.225871351434412	0.821426872760351	0.000138616292095647	0.904155330515575
LUSC	MPHOSF	cg06019692	-0.0858450762024761	370	-1.65289575853539	0.0992049122434828	0.00736937710820894	0.236906529346979
LUSC	MPHOSF	cg09559995	-0.159546153061323	370	-3.10033977491002	0.00208193095002663	0.0254549749566672	0.0122865829408566
LUSC	MPHOSF	cg11051893	0.225028069269863	370	4.4304169199007	1.24229508648506e-05	0.0506376319593225	0.000158457294569632
LUSC	MPHOSF	cg19693579	0.0998672428866546	370	1.9254114596108	0.0549482234028258	0.00997346620178206	0.154547962377506
LUSC	MPHOSF	cg20759595	-0.162002591657492	370	-3.14935041557887	0.00177012215309627	0.0262448397037442	0.0107640805735927
LUSC	MPHOSF	cg20952532	-0.0976145458097488	370	-1.88155742399136	0.0606852396989015	0.00952859955364355	0.166014260897294
LUSC	MPHOSF	cg21958444	-0.190873594411923	370	-3.73017099883198	0.000221525007550234	0.0364327290437274	0.00189127704536468
LUSC	MPHOSF	cg22656705	-0.255934876737676	370	-5.07883784296106	6.04748026179514e-07	0.0655026611307295	1.09434212488042e-05
LUSC	MSH6	cg00620552	-0.246150836321753	370	-4.87189241936171	1.64530150045389e-06	0.0605902342218983	2.65725069437418e-05
LUSC	MSH6	cg02905881	-0.0524634832429095	504	-1.17356162076685	0.241130496894837	0.00275241707397905	0.433321919044513
LUSC	MSH6	cg05039065	-0.0311653455277484	370	-0.598145539666501	0.550110765453247	0.000971278761863949	0.722783983645559
LUSC	MSH6	cg07652213	-0.0372831006672575	504	-0.833420823544617	0.405006175556955	0.00139002959536485	0.601463241090367

LUSC	MSH6	cg09898070	-0.210891272460296	370	-4.13867685881509	4.33372890579966e-05	0.0444751287999226	0.000468768223717713
LUSC	MSH6	cg11869233	-0.0942359422945291	370	-1.81583949285116	0.0702086569305647	0.00888041282013781	0.184757873528731
LUSC	MSH6	cg16595246	-0.209381451578829	370	-4.1076834140653	4.92865247707796e-05	0.0438405922652575	0.000523511183508742
LUSC	MSH6	cg18222961	-0.276309231867458	370	-5.51524530129537	6.57314624582537e-08	0.0763467916151848	1.49212529631672e-06
LUSC	MSH6	cg19076255	-0.180456898886406	370	-3.51954427157942	0.000486482902395364	0.0325646923556985	0.00366187236661296
LUSC	MSH6	cg19736286	0.106932461377901	370	2.06314978610544	0.0397993769467276	0.0114345512963363	0.122054351330221
LUSC	MSH6	cg21405109	-0.239578065279857	370	-4.73376510083331	3.14930593795069e-06	0.0573976493632396	4.7187424140396e-05
LUSC	MTA1	cg01318265	-0.227628592003973	370	-4.48439778899041	9.78405665209444e-06	0.0518147758977112	0.000128375932398893
LUSC	MTA1	cg01655777	-0.0250190176312435	370	-0.48009825632422	0.631442768420845	0.000625951243232475	0.782553666069764
LUSC	MTA1	cg05922925	-0.25157809317328	370	-4.98648490164735	9.49192384021983e-07	0.0632915369647035	1.63583235096602e-05
LUSC	MTA1	cg13052453	-0.123369663270576	370	-2.38485893237093	0.0175913435061454	0.0152200738154953	0.065958211717615
LUSC	MTA1	cg13981078	-0.140876869671048	370	-2.72970998727338	0.00664360053489294	0.0198462924083135	0.0310820459472854
LUSC	MTA1	cg16531924	-0.0917087998967316	370	-1.7667250255176	0.0781031904483208	0.00841050397849875	0.19943856769038
LUSC	MTA1	cg20222911	0.0397438338982286	504	0.888512010715663	0.374693489116596	0.00157957233292999	0.573357172492309
LUSC	MTA1	cg21517792	-0.0932988677270247	370	-1.79762357213808	0.0730563169589017	0.00870467871914486	0.19025653191955
LUSC	MTA1	cg23123838	-0.0338788776856873	370	-0.650282855756995	0.515915282445742	0.00114777835324176	0.697044993664375
LUSC	MTA1	cg23883989	-0.237601800484619	370	-4.6923698903045	3.81448172655937e-06	0.0564546155935327	5.59682745069709e-05
LUSC	MTA1	cg23966123	-0.147088052226505	370	-2.85266536394149	0.00458030506776261	0.021634895107787	0.023112165300741
LUSC	MTA2	cg00501779	-0.0148864949844756	370	-0.285604135468673	0.775342022844589	0.000221607732922817	0.875580033172279
LUSC	MTA2	cg07654871	0.107730468340409	370	2.07872660697094	0.038334810047527	0.011605853808844	0.118624431695995
LUSC	MTA2	cg09086761	0.0655425088549309	504	1.46726368618191	0.142934304122994	0.00429582046699869	0.305630016352707
LUSC	MTA2	cg13708959	-0.142744190805148	370	-2.7666398162998	0.0059495794996517	0.0203759040086164	0.0284830667006124
LUSC	MTA2	cg19570317	-0.156938150740546	504	-3.54971931800081	0.000422128310312957	0.0246295831578624	0.00324913918793769
LUSC	MTA2	cg21002970	-0.0235445385987476	370	-0.451787802235838	0.65168801356693	0.000554345297827916	0.79640081727855
LUSC	MTF2	cg05396182	0.0256476867525448	370	0.492169840745518	0.622892755989401	0.000657803835756662	0.776648335939313
LUSC	MTF2	cg05962718	-0.16811597072406	370	-3.2715872556695	0.00117052939374967	0.028262979612493	0.00765428804440272
LUSC	MTF2	cg09936581	0.10709801843852	370	2.06638107023615	0.0394917059131544	0.0114699855534576	0.121349992882567
LUSC	MTF2	cg11404133	0.00429016879010878	370	0.0823004642918125	0.934452530450316	1.84055482476234e-05	0.965158859701429
LUSC	MTF2	cg14474880	-0.183570876997694	504	-4.17155214128047	3.56831555379668e-05	0.0336982668817024	0.000396902402333512
LUSC	MTF2	cg15463775	-0.128960307141038	370	-2.49471913771993	0.0130433954130888	0.0166307608179107	0.0524608573449399
LUSC	MTF2	cg16813892	0.00599415737465319	370	0.114989941380642	0.908515810483796	3.59299226321093e-05	0.951440853980624
LUSC	MTF2	cg19708337	-0.0269874545730796	369	-0.517193630070255	0.605332557370826	0.000728322704334033	0.764014226688528
LUSC	MTF2	cg22801127	0.0137323675298791	370	0.26345732664634	0.792345565101403	0.000188577917975678	0.886150331251148
LUSC	MTF2	cg23992808	0.0179845866387669	370	0.345059998684062	0.730246400694776	0.000323445356567313	0.847441857495105
LUSC	MTF2	cg26054395	-0.193653590722626	504	-4.40936290660195	1.27055671688562e-05	0.0375017131997664	0.000161506366527443
LUSC	NAP1L2	cg02379437	-0.102115157627723	368	-1.96384382297644	0.0503047562441683	0.0104275054173347	0.144919575146602
LUSC	NAP1L2	cg04297329	-0.0907967942558694	504	-2.03665928950927	0.0422115495313476	0.00824405784714268	0.127353317209294
LUSC	NAP1L2	cg07693661	-0.127634062540078	368	-2.46191861790341	0.0142798821292598	0.0162904539204845	0.0562020211658221
LUSC	NAP1L2	cg20001978	-0.0957575049898098	367	-1.83789023636783	0.0668911392047609	0.00916949976187346	0.178325940964846
LUSC	NAP1L2	cg23483095	-0.0869862648330897	370	-1.67503508605965	0.0947768391107465	0.00756661026961242	0.22921221816711
LUSC	NCOA1	cg11380327	-0.277941280279672	370	-5.5505402334161	5.45852065338113e-08	0.0772513552835032	1.2619321120628e-06
LUSC	NCOA1	cg13911252	0.0489345797832373	370	0.939853959577708	0.347908962986603	0.00239459309856202	0.547170262546091
LUSC	NCOA1	cg15477048	0.211555827655135	370	4.15232858706314	4.09397414139401e-05	0.0447558682148491	0.000447061516501412
LUSC	NCOA1	cg23006163	-0.241505817723399	370	-4.77420430326575	2.60821780222603e-06	0.0583250599942474	3.99889033713779e-05
LUSC	NCOA3	cg04175879	-0.0740775695215371	370	-1.42496930053061	0.155013609552117	0.00548748630621817	0.322764539946936
LUSC	NCOA3	cg09568061	0.0651487258533503	370	1.25242995845791	0.211208570539155	0.004244356480315	0.397118055263397
LUSC	NCOA3	cg12128876	0.163302694555453	504	3.69754162216782	0.000241841092076481	0.0266677700490715	0.00203578600858943
LUSC	NCOA3	cg14341558	0.0196338639051869	370	0.376715430516801	0.706602212966745	0.000385488611847399	0.832719572828109
LUSC	NCOA3	cg14774045	0.113803986278749	370	2.19741509691118	0.028613428143959	0.0129513472929337	0.0952956351831792
LUSC	NCOA3	cg18295930	-0.0115415465560122	370	-0.221419999075345	0.824888232557648	0.000133207296904598	0.905940016991694
LUSC	NCOA3	cg21735648	0.0218362784606725	370	0.418992354892487	0.675466169028618	0.000476823057012028	0.812380612423856
LUSC	NCOA3	cg22511723	-0.00012436449507691	370	-0.0023857246819323	0.99809776163954	1.54665276357356e-08	0.998970965558325
LUSC	NCOA3	cg22876277	-0.0501395727382401	370	-0.963055084843063	0.336152271525126	0.00251397675437327	0.53570889708134
LUSC	NCOA3	cg24856420	0.122849702677122	370	2.37465322322547	0.0180775159638354	0.0150920494478573	0.0673655047370478
LUSC	NCOA3	cg25373408	0.116693138711995	370	2.25396155823312	0.0247863484590334	0.013617288622457	0.0856457844906301
LUSC	NCOR1	cg00253204	0.16606280469191	370	3.23049173608393	0.00134706196347176	0.0275768551021435	0.00860160374179777
LUSC	NCOR1	cg08125503	-0.0906510247064644	370	-1.74617767027073	0.0816145143995778	0.00821760828033202	0.205916906611891

LUSC	NCOR1	cg08206308	-0.00675572526589084	370	-0.129600238271767	0.896953521523436	4.56398238681958e-05	0.945431911840582
LUSC	NCOR1	cg21211144	0.244131510346354	370	4.82938114206056	2.01245513624529e-06	0.059600194343992	3.17817569770739e-05
LUSC	NCOR1	cg22291359	-0.0762799512604187	370	-1.46757905889873	0.143072727680912	0.00581863096429185	0.305825129889787
LUSC	NCOR1	cg22625220	-0.0212673490543476	370	-0.408070787722409	0.683459024186123	0.000452300135799459	0.817695451263941
LUSC	NCOR2	cg08976554	-0.167161967859381	370	-3.25248682472075	0.00124972412391304	0.0279431234986206	0.00808490964621134
LUSC	NCOR2	cg10641483	-0.0335738104674391	370	-0.644420652517422	0.519704168251479	0.00112720074930352	0.700193943432239
LUSC	NCOR2	cg13416396	-0.0824915771868335	370	-1.58787468025921	0.113173466031616	0.00680486030677131	0.260237324788515
LUSC	NCOR2	cg13419087	-0.114069172174139	370	-2.20260293513275	0.0282421954755729	0.0130117760404933	0.0944084459791475
LUSC	NCOR2	cg13857025	-0.224642894727713	370	-4.42243009747263	1.28671282205369e-05	0.0504644301516461	0.000163106627470824
LUSC	NCOR2	cg16181859	-0.128450620301669	370	-2.48469357132008	0.0134101110472332	0.0164995618558837	0.0535839631623844
LUSC	NCOR2	cg19895345	0.103863485127732	370	2.00328172814559	0.0458798923441977	0.0107876235428787	0.135504189256815
LUSC	NCOR2	cg23611643	-0.0700896254976865	370	-1.34786695341397	0.178530313322419	0.00491255560240594	0.355135002058733
LUSC	NCOR2	cg24626542	-0.0588789318681167	370	-1.13145667938639	0.258599705222287	0.00346672861793033	0.453250095033516
LUSC	NCOR2	cg25113767	-0.0892694355408618	370	-1.71934916968706	0.086391680332518	0.00796903212178408	0.21459032471624
LUSC	NCOR2	cg25449924	-0.158536231957538	370	-3.08020712093437	0.0022240926818232	0.0251337368432944	0.0129409922281043
LUSC	ORC1	cg00298020	-0.14303790246273	370	-2.77245125693131	0.00584654758931275	0.0204598415409375	0.0280981575774319
LUSC	ORC1	cg02275620	0.078657680027098	370	1.51360555262518	0.130984256715791	0.00618703062724534	0.28765205158002
LUSC	ORC1	cg04407474	0.0148060621769858	370	0.284060656418944	0.776523656230195	0.000219219477188771	0.876331644826514
LUSC	ORC1	cg07142859	-0.110226867095324	370	-2.12748184585912	0.0340444807665446	0.0121499622296502	0.108485492842034
LUSC	ORC1	cg08613513	0.130322302224476	504	2.93622073598581	0.00347575812936436	0.0169839024570877	0.0185429384114505
LUSC	ORC1	cg10586599	-0.0311767237395141	504	-0.696773964649223	0.486268716612253	0.000971988103129983	0.672726921107855
LUSC	ORC1	cg13460942	-0.0107621076005231	370	-0.206464976590087	0.836541902275123	0.000115822960005237	0.912470246835634
LUSC	ORC1	cg16136434	0.0757782003651474	370	1.45786974343121	0.145729302150025	0.00574233565058043	0.30966581074731
LUSC	ORC1	cg16965475	-0.0949054924917912	370	-1.8288579505182	0.0682300521177368	0.00900705250510944	0.18098982761439
LUSC	ORC1	cg17146111	-0.165498343357021	370	-3.21920125470896	0.00139971154889428	0.0273897016539185	0.00887731617761958
LUSC	ORC1	cg19776520	-0.0390777469443057	370	-0.750214196382755	0.453605085190973	0.00152707030624319	0.643901866637712
LUSC	ORC1	cg21197365	0.014468770118532	370	0.277588192765881	0.781484373860762	0.000209345308742925	0.87931262211088
LUSC	ORC1	cg23606758	-0.0570732614996697	370	-1.09664252159573	0.273514792656569	0.00325735717820968	0.469885161758831
LUSC	ORC1	cg25605769	0.0872689323664017	370	1.68051992583138	0.0937047636540002	0.00761586655637159	0.227326172816269
LUSC	PADI1	cg14524955	-0.302383226199575	370	-6.08560487800826	2.91502456338184e-09	0.0914356154868631	8.81692927230663e-08
LUSC	PADI1	cg21010178	-0.226663732475587	370	-4.46435779554598	1.06939600354724e-05	0.0513764476197647	0.000139001825730918
LUSC	PADI1	cg22193702	-0.356685554494906	504	-8.52873345380781	1.77748108538311e-16	0.127224584785338	1.67881226939353e-14
LUSC	PADI2	cg00569276	-0.0975721189082605	370	-1.88073176713521	0.0607978602287319	0.00952031838824772	0.166222408304371
LUSC	PADI2	cg01603374	-0.0208983367448342	370	-0.400987181812328	0.688662280701594	0.000436740478700488	0.821088416154934
LUSC	PADI2	cg07014827	-0.0933678949927075	367	-1.79161749315683	0.0740225372285546	0.00871756381536926	0.19202071630125
LUSC	PADI2	cg09313801	-0.021334100452722	370	-0.409352173553643	0.682519384774576	0.000455143842126834	0.817011033100778
LUSC	PADI2	cg10233913	-0.0430973572969575	370	-0.827519525992223	0.40847895044508	0.00185738220598162	0.604480447430293
LUSC	PADI2	cg15185794	0.00459026831488216	504	0.102539907270873	0.918369331206367	2.10705632026111e-05	0.956976694729708
LUSC	PADI2	cg17183414	-0.0233517945387227	370	-0.448087278568611	0.654353893379936	0.00054530630817872	0.798335716503667
LUSC	PADI2	cg18228326	-0.0260088691044654	370	-0.499105458662858	0.618003320194766	0.000676461272093212	0.773189937137852
LUSC	PADI2	cg18879300	0.0747463176308803	370	1.43790540897147	0.151310702912524	0.00558701199937645	0.317596115327332
LUSC	PADI2	cg19282714	-0.0167316411803818	504	-0.373808879573709	0.70870528240496	0.000279947816589047	0.834013585271176
LUSC	PADI3	cg01459162	-0.00811226821839773	504	-0.181220308312163	0.856268237673112	6.58088956472258e-05	0.923527755211802
LUSC	PADI3	cg12858514	-0.427071757347963	504	-10.5506229671347	1.25489116044296e-23	0.182390285924278	2.21870461217045e-21
LUSC	PADI3	cg14664242	-0.16478277997061	370	-3.20489307031606	0.00146917031982383	0.0271533645748423	0.00923800807148198
LUSC	PADI3	cg17589397	-0.0191125346556884	370	-0.366708968258933	0.714046873747814	0.000365288980964889	0.837306118240895
LUSC	PADI3	cg18768338	-0.263744502930941	370	-5.24521640770712	2.64002335554848e-07	0.069561162826289	5.19812647232444e-06
LUSC	PADI3	cg21966975	-0.210030234956157	370	-4.12099779042109	4.66413213336588e-05	0.0441126995957386	0.000498888347563681
LUSC	PADI4	cg16091981	-0.0863423771027216	370	-1.66254270177607	0.0972554655446626	0.00745500608374858	0.233392716370469
LUSC	PADI4	cg18333690	-0.083224533268888	504	-1.86556723611156	0.0626885145673151	0.00692632293782424	0.170017790484232
LUSC	PADI4	cg19159961	0.0159286955675251	370	0.305604133222524	0.760078867170343	0.000253723342482895	0.866494363901666
LUSC	PADI4	cg21295838	-0.0737472550319319	370	-1.41858048788814	0.156867681722079	0.00543865762474481	0.325466447043271
LUSC	PADI4	cg23228178	0.0600081508046841	504	1.34290060789737	0.179914656897777	0.00360097816299771	0.356929741200584
LUSC	PADI4	cg26918754	-0.0655306663087617	370	-1.25980401931181	0.208538429030771	0.00429426822687028	0.393724845840691
LUSC	PADI6	cg12643633	-0.0147760764396416	370	-0.28348524142133	0.776964306827331	0.000218332434950131	0.876648507358087
LUSC	PADI6	cg16017904	-0.0523051435689182	370	-1.00476199479599	0.315671670615909	0.00273582804376515	0.514904953429099
LUSC	PARP1	cg00653565	-0.016107792794398	370	-0.309041136477784	0.757465125072759	0.000259460988707261	0.864731186016527

LUSC	PARP1	cg02088626	-0.235336675544844	370	-4.64500007724417	4.74174759488939e-06	0.0553833508564994	6.79336118594522e-05
LUSC	PARP1	cg03149313	0.234976862504123	370	4.63748282621735	4.90753809258748e-06	0.0552141259122817	7.00508290595872e-05
LUSC	PARP1	cg04960271	0.250588653927761	504	5.78221587829507	1.30132368787074e-08	0.0627946734773271	3.47171381941758e-07
LUSC	PARP1	cg07113065	-0.163702216029762	370	-3.1832962976618	0.00158007109273867	0.0267984155330549	0.0098178954144179
LUSC	PARP1	cg17661881	0.172039733456564	504	3.90124404271071	0.000108815834171188	0.0295976698878056	0.00103626135432898
LUSC	PARP1	cg25722198	-0.061482520065252	370	-1.18167477064934	0.238097816136119	0.00378010027357411	0.429698452848634
LUSC	PARP1	cg26464410	0.0935269320796269	370	1.80205650065514	0.072354733373536	0.00874728702422714	0.18884465311344
LUSC	PARP2	cg01813761	-0.174202071921686	366	-3.38443005560332	0.000790492510918374	0.0303463618618082	0.00551430903823386
LUSC	PARP2	cg10910545	-0.284614716723767	370	-5.6954076544186	2.52120749045361e-08	0.0810055369757504	6.33510386021797e-07
LUSC	PARP2	cg15078479	-0.148434781172662	504	-3.35292487993223	0.000860384788632587	0.0220328842617761	0.00592379190129086
LUSC	PARP2	cg15365367	-0.0592078363232456	370	-1.13779929867657	0.255944535796057	0.00350556788208024	0.450191592289326
LUSC	PARP2	cg18899035	-0.00168608494441794	361	-0.0319467947895389	0.974532234257718	2.84288243979286e-06	0.986676514415867
LUSC	PARP2	cg19540080	0.110679285178662	370	2.13632200872505	0.0333124081323896	0.0122499041676597	0.106729767235745
LUSC	PARP2	cg24595957	0.122699555967246	504	2.76176876712696	0.00596088481595971	0.0150551810345593	0.0285228090187405
LUSC	PARP2	cg26206608	0.137500038769436	370	2.66300190907077	0.00808480061212056	0.0189062606615963	0.0362214339333855
LUSC	PARP2	cg26430074	-0.032752156124377	370	-0.628632549900714	0.529979622696247	0.00107270373079557	0.708065445628081
LUSC	PAXIP1	cg02824291	0.191437450493241	370	3.74160878464505	0.000212034390538138	0.0366482974513523	0.00182169594008361
LUSC	PAXIP1	cg12220104	0.0890307211119523	370	1.71471469243895	0.0872394373938255	0.00792646930171423	0.215978894205367
LUSC	PAXIP1	cg22583711	0.0338295773467396	370	0.649335483056747	0.516526616488774	0.00114444030345904	0.697640050056038
LUSC	PAXIP1	cg24448952	-0.185171915701823	370	-3.61472579665252	0.000342522848405955	0.0342886383646832	0.00273098518693173
LUSC	PAXIP1	cg24452135	0.130257697871265	370	2.52024797280696	0.0121495079233105	0.0169670678547218	0.0496433016117453
LUSC	PCGF1	cg03203239	-0.0123533181023893	370	-0.236995813491778	0.812791910759183	0.000152604468138818	0.899115368178028
LUSC	PCGF1	cg08092637	-0.0696329135108107	370	-1.33904116442664	0.181383781194662	0.00484874264400405	0.358665089151337
LUSC	PCGF1	cg27306986	0.0665884819523546	370	1.28023000311452	0.201270642574959	0.00443402592871906	0.384526081898818
LUSC	PCGF2	cg09395368	0.0103792671933334	370	0.199119592963553	0.842279164305539	0.000107729187470607	0.915600061153227
LUSC	PCGF2	cg17902383	0.303225733018944	370	6.10427497831113	2.62185528764132e-09	0.0919458451648757	8.01747681787614e-08
LUSC	PCGF2	cg20228512	0.0829241857423439	504	1.85878792210987	0.063645726675779	0.00687642058103074	0.171834861707215
LUSC	PCGF2	cg25377665	-0.00205673654089469	370	-0.0394551312028374	0.968548921381535	4.23016519865147e-06	0.983464231976426
LUSC	PCGF5	cg03905463	-0.0319696393015606	370	-0.613597662116789	0.539860309704047	0.00102205783707189	0.715136729361788
LUSC	PCGF5	cg06001881	-0.191505081444149	370	-3.74298093232453	0.000210921947770109	0.0366741962189303	0.00181530180107155
LUSC	PCGF5	cg07421809	-0.227847703972974	370	-4.4889506512923	9.58794100976013e-06	0.0519145762057561	0.000126249878624455
LUSC	PCGF5	cg07424295	0.0816230883531784	370	1.57104447367193	0.117031689084728	0.00666232855231077	0.266147194242789
LUSC	PCGF5	cg08633154	-0.243598172961292	504	-5.61058281594398	3.34691999250224e-08	0.0593400698700794	8.14079715947195e-07
LUSC	PCGF5	cg11113644	-0.156803830486637	370	-3.04569496606557	0.00248873247232892	0.0245874412552819	0.0141837695203191
LUSC	PCGF5	cg12783297	-0.229574291326591	370	-4.5248521316244	8.1682462790595e-06	0.0527043552381065	0.000109370146477307
LUSC	PCGF5	cg15550435	-0.107881709859323	370	-2.0816792465479	0.0380624458687202	0.011638463322171	0.118028085457157
LUSC	PCGF5	cg17001035	-0.0651240483290519	504	-1.45785581485974	0.145509344343263	0.00424114167076469	0.309401244570048
LUSC	PCGF5	cg20515900	-0.135390196174974	370	-2.62137093063443	0.00912095768378554	0.018330505220298	0.0397376670056234
LUSC	PCGF5	cg22968329	-0.103585309578643	370	-1.99785810454514	0.0464676457899234	0.0107299163605033	0.136700349288357
LUSC	PCGF5	cg23395902	-0.219692683351408	370	-4.31997719180246	2.009997300208e-05	0.048264875118142	0.000240414713979676
LUSC	PCGF5	cg25390656	-0.0867905754322222	370	-1.67123819622151	0.0955247490737467	0.00753260398385625	0.230448945352474
LUSC	PCGF6	cg01917164	-0.199494262108101	370	-3.90546730357343	0.000111880692173879	0.0397979606140556	0.0010614203130457
LUSC	PCGF6	cg06691148	-0.18429250290344	370	-3.5969538082359	0.000365925902701641	0.0339637266264144	0.00288681063530793
LUSC	PCGF6	cg11612727	0.0159130788595786	370	0.305304438881318	0.760306907019048	0.000253226078791168	0.866640031716799
LUSC	PCGF6	cg11814370	-0.141745081114822	370	-2.74687679736616	0.00631237038705944	0.0200916680202473	0.0298628400566104
LUSC	PCGF6	cg14409890	-0.244431881542549	370	-4.83570037289089	1.95326696840442e-06	0.0597469447144306	3.09538501813105e-05
LUSC	PCGF6	cg16113748	-0.204632996762371	370	-4.01040664584558	7.34233087219953e-05	0.0418746633639486	0.000738925340067129
LUSC	PCGF6	cg16382383	0.144229466715037	370	2.79603548628484	0.00544479134365256	0.0208021390689039	0.0265512504098356
LUSC	PCGF6	cg24418712	-0.077837201639476	370	-1.49772038102068	0.135063145613968	0.00605862995906445	0.2937947732052
LUSC	PCGF6	cg25481680	0.0453467603022856	370	0.870797473800142	0.384432437248335	0.00205632866991295	0.582598660185397
LUSC	PCGF6	cg26155979	-0.0705327781085314	370	-1.35643152668624	0.175793490281175	0.00497487278770733	0.351594904791246
LUSC	PCGF6	cg27217148	0.108076508130841	504	2.42847089094379	0.0155149768662918	0.0116805316097558	0.0599320775776504
LUSC	PHC1	cg02770112	-0.015854902823917	370	-0.304188006528811	0.76115659338097	0.00025137794355585	0.867185854881375
LUSC	PHC1	cg08021945	-0.0794004678608526	370	-1.5279892362406	0.127374252530205	0.00630443429652229	0.282185749717636
LUSC	PHC1	cg08867249	0.0261159514052859	370	0.501161748104982	0.616556933921987	0.000682042917803255	0.772175125853678
LUSC	PHC1	cg09059548	-0.124573102470382	504	-2.80459893250861	0.00523440963012963	0.0155184578590963	0.0257160008626646
LUSC	PHC1	cg09912793	-0.102893379310163	370	-1.98436950581038	0.0479570453000687	0.010587047505865	0.139959873277069

LUSC	PHC1	cg12581035	0.0854834248306026	504	1.91657049305768	0.0558633944727648	0.00730741592076929	0.156252436956769
LUSC	PHC1	cg14199415	0.0695351031644692	370	1.33715112612341	0.181999244408497	0.00483513057209338	0.359563308322211
LUSC	PHC2	cg06899053	-0.185093814017831	370	-3.61314708235675	0.000344543462119951	0.0342597199876675	0.0027445642117714
LUSC	PHC2	cg13640100	0.166737691285664	370	3.2439952553843	0.00128650323551118	0.0278014576952735	0.00827541241252606
LUSC	PHC2	cg15586632	0.00752196136300367	370	0.144300319994114	0.885342316715403	5.657990274652e-05	0.939227329742886
LUSC	PHC2	cg16558908	-0.0553837778923654	370	-1.06407828205745	0.287990944212935	0.00306736285363086	0.485515810780463
LUSC	PHC2	cg17161743	0.0191310354275335	370	0.367064069340583	0.713782210468458	0.000365996516529541	0.837124716669098
LUSC	PHC2	cg19746874	-0.0074293157361428	370	-0.142522919727624	0.886744975883765	5.51947323072991e-05	0.939854473608295
LUSC	PHC2	cg21198021	-0.100396457946597	504	-2.25407568083607	0.024624430312969	0.0100794487682228	0.0852149880679319
LUSC	PHC2	cg21578869	-0.0289735894057956	370	-0.556043253169256	0.578519203628864	0.000839468883055628	0.744751330913517
LUSC	PHC2	cg23886755	-0.031038882919367	504	-0.693690359056195	0.488199191465915	0.00096341225288217	0.674305731962284
LUSC	PHF1	cg01097444	-0.00179167917369275	370	-0.0343704210099678	0.972600404962943	3.21011426144432e-06	0.985558207323099
LUSC	PHF1	cg02776641	-0.112590090777789	370	-2.17367368561312	0.0303666483164152	0.0126765285413507	0.0995886783494456
LUSC	PHF1	cg03560363	-0.0113876477441913	370	-0.218467125818054	0.827186271021445	0.000129678521145785	0.907179473515184
LUSC	PHF1	cg03876174	-0.0221987378492875	370	-0.425950590764066	0.670392867802937	0.000492783962101388	0.809055750885988
LUSC	PHF1	cg06618123	0.0141260879606668	370	0.271012392888875	0.786533449361773	0.000199546361072494	0.882321165548898
LUSC	PHF1	cg06919790	0.11854320522914	370	2.29020141220289	0.0225747691637717	0.014052491505998	0.0797684226165724
LUSC	PHF1	cg07857404	-0.231657330510274	369	-4.56201443905864	6.91778608624057e-06	0.0536651187791463	9.45305200760581e-05
LUSC	PHF1	cg08665801	-0.0102365325872965	370	-0.196381032006116	0.844420343923172	0.000104786599410783	0.916867925177038
LUSC	PHF1	cg08798692	-0.0598807208134163	369	-1.14921179822209	0.251217051035486	0.0035857007251343	0.444840536003791
LUSC	PHF1	cg10033570	-0.00120446829079287	370	-0.0231057247515105	0.98157846253911	1.4507438635255e-06	0.990504927553699
LUSC	PHF1	cg10797813	-0.143678632774262	370	-2.78513147896053	0.00562732318827923	0.0206435495158813	0.0272628568206983
LUSC	PHF1	cg13303256	0.0359149579859383	504	0.802797314696476	0.422474088053614	0.00128988420713171	0.617537235415398
LUSC	PHF1	cg13528777	-0.0230902027746807	370	-0.443065016843642	0.657979047740199	0.000533157464175871	0.800928479134825
LUSC	PHF1	cg13547657	-0.0457613906277833	370	-0.878776285958917	0.380096009920702	0.00209410487218857	0.578506231208716
LUSC	PHF1	cg18443095	0.104162535688919	370	2.00911288459901	0.0452550015890949	0.0108498338411453	0.134167972317914
LUSC	PHF1	cg20135607	-0.125208093725398	370	-2.42095942648785	0.0159627227657228	0.0156770667343481	0.0611786409910652
LUSC	PHF1	cg20872639	0.0104842891333607	370	0.201134591994196	0.840704457497951	0.000109920318631904	0.91465286240687
LUSC	PHF1	cg23345642	0.138835377277683	370	2.68936958530742	0.0074845333806342	0.0192752619838367	0.0341176485300045
LUSC	PHF1	cg23718418	-0.147999060507031	370	-2.87072812845932	0.00433204717306931	0.0219037219109639	0.0221249525854618
LUSC	PHF1	cg24796663	-0.206954936098201	369	-4.05241916526122	6.19039252880099e-05	0.0428303455754104	0.000640137440364532
LUSC	PHF1	cg26673053	0.0698742668333578	370	1.34370512168206	0.179871669983777	0.00488241316549929	0.35688170771736
LUSC	PHF10	cg04353997	-0.160339502894493	370	-3.11616210868679	0.00197613145759829	0.0257087561884532	0.0117792637048809
LUSC	PHF10	cg05243705	0.00686935471907086	370	0.131780180886673	0.895230180805155	4.71880342564211e-05	0.944372396915615
LUSC	PHF10	cg05736120	-0.0278349594332173	370	-0.534174078720771	0.593543641302168	0.000774784966648851	0.755510704624907
LUSC	PHF10	cg07652237	-0.233155345997222	370	-4.59945839760409	5.83523618317421e-06	0.0543614153670845	8.16010001139411e-05
LUSC	PHF10	cg11442717	-0.117840125734325	504	-2.65081837727388	0.00828484977516414	0.0138862952330815	0.0369114943822873
LUSC	PHF10	cg15342139	0.0798564443408117	370	1.53682024070579	0.125196659483791	0.00637705170275715	0.278718776553401
LUSC	PHF10	cg15360169	-0.0482002014531532	370	-0.925716146915228	0.355200176120518	0.00232325942012456	0.554042246429344
LUSC	PHF10	cg16740543	0.14380648810819	504	3.246134491516	0.00124843872815531	0.0206803060220109	0.00807793748799088
LUSC	PHF10	cg27124293	-0.110164550597788	370	-2.12626429843744	0.0341463824633773	0.0121362282084126	0.108738944588644
LUSC	PHF11	cg00092518	-0.22237005354824	370	-4.37534567961667	1.58113009643269e-05	0.0494484407150469	0.000195056192074033
LUSC	PHF11	cg01214340	-0.171298705627507	370	-3.33537869558029	0.000938530770396798	0.0293432465496592	0.00636770126916523
LUSC	PHF11	cg02289189	-0.0514124953783529	370	-0.98756872062247	0.324012779271436	0.00264324468102916	0.523396460695656
LUSC	PHF11	cg05080330	-0.149624814179374	370	-2.9029809059468	0.00391901846363173	0.0223875850182122	0.0204340564584294
LUSC	PHF11	cg09997676	-0.230303867394436	370	-4.54003596748804	7.63059489849955e-06	0.0530398713368338	0.000103165536936718
LUSC	PHF11	cg16956501	-0.160243553778922	370	-3.11424819917091	0.00198866043155294	0.0256779965276982	0.0118430311538548
LUSC	PHF11	cg21320768	-0.300152760818651	370	-6.03625299088215	3.85303026235326e-09	0.0900916798270584	1.13883980330361e-07
LUSC	PHF11	cg23137039	-0.0145919081042284	370	-0.279951137200306	0.779672285752924	0.000212923782122248	0.878264780350669
LUSC	PHF11	cg24481868	-0.155288694693704	370	-3.01553472359036	0.00274336969673227	0.0241145786996745	0.0153372582624905
LUSC	PHF11	cg24984523	-0.153331222473995	370	-2.97660159831006	0.00310739277507448	0.0235104637853698	0.0169354430113594
LUSC	PHF11	cg25162948	-0.206237337596679	370	-4.04323967328931	6.42372715335778e-05	0.0425338394189667	0.000660444221284342
LUSC	PHF12	cg01406758	0.0660675415340908	370	1.27017032098906	0.204826465005567	0.00436492004435881	0.388963287083021
LUSC	PHF12	cg02058367	-0.033175182055471	370	-0.636760839207095	0.524676526858374	0.00110059270441365	0.703820265095919
LUSC	PHF12	cg06895197	0.282324244798114	370	5.64558590553137	3.29417419716524e-08	0.0797069792008255	8.02590001547987e-07
LUSC	PHF12	cg08657247	-0.151778450666169	370	-2.94574330574193	0.00342676573859234	0.0230366980866227	0.018324292952162
LUSC	PHF12	cg08806622	0.109520446294331	370	2.1136811933446	0.0352149367813072	0.0119947281565094	0.111353565591296

LUSC	PHF12	cg13564075	0.229479642596161	504	5.26673792011861	2.0684350745976e-07	0.0526609063660616	4.17242850623081e-06
LUSC	PHF14	cg06715026	-0.096115642591187	370	-1.85239397631966	0.0647698321859585	0.0092382167507168	0.174108649795247
LUSC	PHF14	cg07287563	-0.158448669258344	370	-3.07846203742876	0.00223682661598539	0.0251059807897401	0.0130034142702113
LUSC	PHF14	cg07574654	0.00771874468480903	370	0.148075607484696	0.882364200172412	5.95790195092676e-05	0.937561676567496
LUSC	PHF14	cg11931558	-0.190542802421849	370	-3.72346268804977	0.00022727612462571	0.0363065595547718	0.00193358692466454
LUSC	PHF14	cg13029706	-0.173770920919948	370	-3.38500333641981	0.000788461550095289	0.0301963329573667	0.00550211498278731
LUSC	PHF14	cg16800461	-0.0948908668145314	370	-1.82857354819677	0.0682727798076248	0.00900427660481314	0.181066124581678
LUSC	PHF14	cg20819769	0.139187791365454	370	2.69633086372791	0.00733290356963198	0.0193732412651932	0.0335878415153056
LUSC	PHF14	cg20964328	-0.0884674558191767	370	-1.70378046133353	0.0892662971458912	0.00782649073911798	0.21955744159371
LUSC	PHF14	cg22876561	-0.236611127634788	370	-4.67164235198562	4.19645826593979e-06	0.0559848257206058	6.09990465730177e-05
LUSC	PHF14	cg23083824	-0.133518042775	370	-2.58446042398236	0.0101375379259592	0.0178270677464667	0.043097416548012
LUSC	PHF14	cg24491907	0.0489324317175685	370	0.93981260408462	0.347930150706328	0.00239438287379451	0.547180627059646
LUSC	PHF19	cg11054680	-0.0230277405310383	367	-0.44006105767992	0.660153352166769	0.000530276833964824	0.802311668152814
LUSC	PHF19	cg11594303	-0.219312428379869	370	-4.31212180598357	2.07919313986192e-05	0.0480979412418753	0.000247858722899494
LUSC	PHF19	cg13501527	0.0145587823964049	370	0.279315473394442	0.780159644076625	0.000211958144865868	0.87857481990416
LUSC	PHF19	cg13793166	-0.202956779618668	333	-3.77095727611215	0.00019257328056628	0.0411914543931805	0.0016815631146451
LUSC	PHF19	cg13851767	0.0334986076730027	370	0.642975575605341	0.520640366571464	0.00112215671602976	0.700892171149357
LUSC	PHF19	cg13852822	0.107572174657209	370	2.07563644664044	0.0386216396004077	0.011571772760481	0.119326892691295
LUSC	PHF19	cg14218513	-0.0906505591849594	370	-1.74616862880086	0.0816160873392686	0.00821752388054582	0.205916906611891
LUSC	PHF19	cg27207079	0.0243181436394921	370	0.466640879024826	0.64103296378848	0.000591372110070972	0.789071320510784
LUSC	PHF20	cg01512265	-0.127667135877954	370	-2.4692862932448	0.0139915231431381	0.0162988975832801	0.0553228965302065
LUSC	PHF20	cg02674305	-0.136123653739327	370	-2.63583921317138	0.0087480826232473	0.0185296491073443	0.0384620967329547
LUSC	PHF20	cg02957488	-0.218364182696378	370	-4.29254173338991	2.26171933452677e-05	0.047682916284657	0.000266668981373409
LUSC	PHF20	cg04179482	0.0733265903935152	370	1.4104448375883	0.159253073559214	0.00537678885873836	0.328723561994944
LUSC	PHF20	cg09692677	-0.25427202580384	369	-5.0366935730338	7.44364740665702e-07	0.0646542631063888	1.31368218319754e-05
LUSC	PHF20	cg10372813	-0.256837565276593	370	-5.09801375424431	5.50251654185208e-07	0.0659655349372082	1.0072065220161e-05
LUSC	PHF20	cg21765224	-0.187002345094765	370	-3.65174570581155	0.000298213619509247	0.0349698770709414	0.0024317851484384
LUSC	PHF20	cg23538717	0.0316304129717772	370	0.607080289260215	0.54417200449182	0.00100048302476517	0.718366144874201
LUSC	PHF20	cg23734815	-0.0694292445263906	370	-1.33510561031178	0.182667087747099	0.00482041999550535	0.360541642812283
LUSC	PHF20	cg25561939	0.13219333992974	370	2.55836012533897	0.0109163402899461	0.0174750775521781	0.0456646650812534
LUSC	PHF20	cg27405321	-0.146475874241396	370	-2.84053174594395	0.00475426359940708	0.0214551817347812	0.0238261407235891
LUSC	PHF20L1	cg02898212	0.2577957907632	370	5.11838507457654	4.9757164474682e-07	0.0664586697352236	9.18123542016938e-06
LUSC	PHF20L1	cg05307234	-0.107754706907654	370	-2.07919979889991	0.0382910491685677	0.0116110768607543	0.118517302419812
LUSC	PHF20L1	cg10591701	-0.201845621974599	370	-3.95344271574039	9.23893079864727e-05	0.0407416551103128	0.000899991713686409
LUSC	PHF20L1	cg17646969	0.00605520315866475	370	0.116161066324004	0.90758825517605	3.66654852927035e-05	0.95099992865948
LUSC	PHF20L1	cg24511731	0.0776743066893193	370	1.49456695915065	0.135884461994658	0.00603329791966643	0.29499081446665
LUSC	PHF20L1	cg26292018	0.0816471339482953	370	1.57151039797869	0.116923500552845	0.00666625448197087	0.266005217715523
LUSC	PHF20L1	cg27342122	0.0556330245545662	504	1.2446752805993	0.213835388925746	0.00309503342108897	0.400421486763179
LUSC	PHF21B	cg01775414	-0.0518350661684914	504	-1.15946638609615	0.246820634055253	0.00268687408469188	0.440026610872973
LUSC	PHF21B	cg01995480	-0.0489317723907143	370	-0.93979991044032	0.347936654224741	0.00239431834929667	0.547180627059646
LUSC	PHF21B	cg05064352	-0.111831719277051	504	-2.51390067781426	0.0122540923995011	0.0125063334364611	0.0499892430061244
LUSC	PHF21B	cg10080155	-0.0287746094220017	370	-0.552221376705774	0.581131908616753	0.000827978147388747	0.746748811691668
LUSC	PHF21B	cg11428482	-0.0170291003063889	370	-0.3267221608088	0.744063783034939	0.000289990257245053	0.856238055399592
LUSC	PHF21B	cg14786713	-0.00729516229486478	370	-0.139949201260893	0.888776690576016	5.32193929084168e-05	0.940982251376882
LUSC	PHF21B	cg15679813	-0.0449367285551582	370	-0.862907596492545	0.388750279238567	0.00201930957323997	0.586468850681348
LUSC	PHF21B	cg20495645	-0.0483190035333658	370	-0.928003150922405	0.354014192772512	0.00233472610245742	0.553015664910538
LUSC	PHF21B	cg20525183	-0.0248260267657679	370	-0.476392597582196	0.634077431781385	0.000616331604974627	0.784535134299738
LUSC	PHF21B	cg21715212	0.0120833984932464	370	0.231816697834816	0.816809237998917	0.000146008519146588	0.901470574578478
LUSC	PHF21B	cg23080354	-0.0295309204148663	370	-0.566748453706046	0.571230596600468	0.000872075260549165	0.739123347669558
LUSC	PHF21B	cg25561581	-0.033600139110456	370	-0.644926579313121	0.519376607958983	0.00112896934824199	0.699958142879238
LUSC	PHF21B	cg25976257	-0.045550969858089	370	-0.874727061462099	0.382292949535109	0.00207489085501254	0.580691159155214
LUSC	PHF23	cg00039960	-0.0268293277432933	370	-0.514861078124077	0.606959196991046	0.000719812827157047	0.765193313088004
LUSC	PHF23	cg01441172	-0.0575897422127655	370	-1.10659939037601	0.269190015387493	0.00331657840813279	0.465156998157588
LUSC	PHF23	cg04379155	-0.174414050220985	370	-3.39792360803428	0.000753235138678094	0.0304202609144882	0.00530051328614416
LUSC	PHF23	cg11180288	0.0675904618732704	370	1.29958181973559	0.194557837607209	0.00456847053624202	0.375951524350212
LUSC	PHF23	cg13351208	0.0450634538787333	370	0.865346012672139	0.387412668295871	0.00203071487548073	0.585359044368655
LUSC	PHF23	cg22033559	-0.193801203710686	370	-3.78959937913675	0.000176237390544155	0.0375589065597107	0.00156134968226763

LUSC	PHF23	cg26213471	-0.225191713590832	370	-4.4338108438336	1.22386835788245e-05	0.0507113078699754	0.000156440379614044
LUSC	PHF23	cg26784276	0.108697512032829	370	2.09760841749684	0.0366214065558691	0.011815149122127	0.114728000225809
LUSC	PHIP	cg01492710	0.251529587079114	370	4.98545852901635	9.5392405148874e-07	0.0632671331761897	1.64277555291996e-05
LUSC	PHIP	cg04480383	-0.0731172299411775	370	-1.40639609069995	0.160450397395909	0.00534612931427102	0.330351316043287
LUSC	PHIP	cg05801338	-0.0978258785766882	370	-1.88567026022218	0.0601268269494576	0.00956990251930095	0.164927413550513
LUSC	PHIP	cg06848288	0.166002883596475	504	3.76039804471814	0.000189744665496723	0.0275569573623447	0.00165965780387363
LUSC	PHIP	cg08287994	-0.150284795557919	370	-2.91608091014296	0.00376176769638384	0.0225855197758855	0.0197584873521359
LUSC	PHIP	cg08587415	-0.0381727472073258	370	-0.732814365582586	0.464138168525917	0.0014571586293544	0.653381431766951
LUSC	PHIP	cg15564972	0.0811000528402175	370	1.56091045288018	0.119404410177921	0.00657721857068607	0.269815745937235
LUSC	PHIP	cg19494004	-0.0684078182695912	370	-1.31537081840386	0.189204261114851	0.00467962960040541	0.369007127185336
LUSC	PHIP	cg19950079	0.229905766376416	370	4.53174974430039	7.91964605949741e-06	0.0528566614131272	0.000106591859092135
LUSC	PHIP	cg21607066	0.149578524410962	504	3.37934932228503	0.000783466701346053	0.0223737349649607	0.00547265947423138
LUSC	PHIP	cg21875336	-0.0283813460464508	370	-0.544668025633106	0.586311758492155	0.000805500803408389	0.750470507035468
LUSC	PHIP	cg26363168	0.0185288664740079	370	0.35550631896585	0.722413996639673	0.000343318892811614	0.842735082618602
LUSC	PHRF1	cg06063517	0.15256519487333	370	2.9613754969129	0.00326140702412382	0.0232761386867371	0.0176144055841911
LUSC	PHRF1	cg07530960	-0.0171486379314259	370	-0.329016294913104	0.742330534735565	0.000294075782903139	0.855069985625932
LUSC	PHRF1	cg08482978	-0.030875144767468	370	-0.592570478776287	0.553832575277836	0.000953274564412106	0.725698358841914
LUSC	PHRF1	cg12469954	-0.179289715254461	370	-3.4960214885724	0.000529923863081628	0.0321448019960258	0.00393780657222009
LUSC	PHRF1	cg12813709	-0.0635122679553203	370	-1.22084135518432	0.222927728342736	0.00403380818082841	0.411631333191588
LUSC	PHRF1	cg15219216	0.317497694903306	370	6.4229936497013	4.13244871807078e-10	0.100804786268913	1.4619359507667e-08
LUSC	PHRF1	cg16143007	0.0225008179072545	370	0.431749835739603	0.666176083653083	0.000506286806495426	0.806305850759373
LUSC	PHRF1	cg18793109	-0.136334354650504	370	-2.63999634305373	0.00864350507780507	0.0185870562579693	0.0381294490514753
LUSC	PHRF1	cg20152424	0.0612082103152265	370	1.1763827525246	0.240202361202701	0.003746445009993	0.432138987000697
LUSC	PHRF1	cg21006161	-0.0132674041587547	370	-0.254535343540585	0.799224176617477	0.000176024013111742	0.890361667393851
LUSC	PPARGC	cg04893087	-0.0651761871499234	504	-1.45756527776712	0.145590693602961	0.00424793537140183	0.309534481715607
LUSC	PPARGC	cg05158538	-0.159764143263347	504	-3.61529835420941	0.000330476092042798	0.0255245814726713	0.00264905276706619
LUSC	PPARGC	cg11270806	-0.159970781918982	370	-3.10880767803929	0.00202467648305464	0.0255906510677704	0.0120143159666478
LUSC	PPARGC	cg12691631	-0.137718412759207	370	-2.66731291887182	0.00798379146303477	0.0189663612129153	0.0358742605600027
LUSC	PPARGC	cg20723350	-0.169073655896118	370	-3.2907709261299	0.00109569776848162	0.0285859011180789	0.0072422642058422
LUSC	PPARGC	cg27461259	-0.116178234895633	370	-2.24387966206365	0.025434170360688	0.0134973822634649	0.0873217073240079
LUSC	PPARGC	cg27514608	-0.167240974530163	370	-3.25406828762047	0.00124298303538937	0.0279695435617988	0.00804799186475909
LUSC	PRDM1	cg00555933	-0.0674775252360434	370	-1.29740041284859	0.195306175746686	0.00455321641198087	0.377004258853073
LUSC	PRDM1	cg01761420	-0.0474255505724507	370	-0.910804661492748	0.362994505649047	0.00224918284710008	0.561965945276788
LUSC	PRDM1	cg05170275	-0.0116958087837675	370	-0.224379861026773	0.822586266494218	0.000136791943106452	0.904623805307196
LUSC	PRDM1	cg08742502	0.0828338198367573	370	1.59450790488686	0.111680768257869	0.00686144170874837	0.257623463582394
LUSC	PRDM1	cg14359052	0.0796924241846679	370	1.53364351198802	0.125976613020577	0.00635088247242904	0.279910448798204
LUSC	PRDM1	cg17143179	0.0884098531069024	370	1.70266235770666	0.0894756871001366	0.00781630212638406	0.219961181932944
LUSC	PRDM1	cg17521665	0.11994683688111	370	2.31771243657291	0.0210128116026271	0.0143872436777835	0.0756448308484569
LUSC	PRDM1	cg17965230	-0.0131407043941513	504	-0.293566448172192	0.769211272690851	0.000172678111974468	0.872061990814673
LUSC	PRDM1	cg19464016	0.101887762442324	504	2.28790670293852	0.0225603709168801	0.0103811161355035	0.0797320323054592
LUSC	PRDM1	cg22186515	0.0804124208057367	370	1.54758928280145	0.122580731111756	0.00646615741983887	0.274695244018665
LUSC	PRDM1	cg22196848	-0.0331124166895963	370	-0.635554804006228	0.525461646461218	0.00109643213902546	0.704405868711049
LUSC	PRDM1	cg24040346	0.170027817529042	370	3.30989355783383	0.00102554596313539	0.0289094587336892	0.00685465440812396
LUSC	PRDM1	cg24793124	-0.0251097743869348	370	-0.481840914677235	0.630205387237459	0.000630500769762768	0.781766712103262
LUSC	PRDM1	cg24874254	0.0806430032331353	370	1.55205599826256	0.121508374982793	0.00650329397045947	0.273015698333808
LUSC	PRDM1	cg26351406	-0.0448181217881639	370	-0.860625433315067	0.390004730705278	0.00200866404061869	0.587506835918175
LUSC	PRDM10	cg04181189	-0.0949588592131728	370	-1.82989569854472	0.0680743313883899	0.00901718494306717	0.180681492187936
LUSC	PRDM10	cg17627813	-0.0558909385275168	370	-1.07385266019156	0.283592346253494	0.00312379700948666	0.480826950819351
LUSC	PRDM12	cg09191327	0.035889040792801	504	0.802217247297693	0.422809180247078	0.00128802324902733	0.617870822924089
LUSC	PRDM12	cg12539975	0.0566890572375201	504	1.26837731525914	0.205254652400999	0.00321364921047883	0.389519684553054
LUSC	PRDM12	cg13795948	0.0911478521609962	370	1.75582783093426	0.0799497078911008	0.00830793095356281	0.202963306868565
LUSC	PRDM12	cg13928649	-0.0039488661403455	370	-0.0757529774998334	0.939656791541422	1.55935437943672e-05	0.967784417952066
LUSC	PRDM12	cg23342516	0.0768225232560062	370	1.47807956031589	0.140241840576134	0.00590170007941961	0.30171881438527
LUSC	PRDM13	cg00126261	0.405776088511305	370	8.51681518052522	4.24683017774814e-16	0.164654234007534	3.76713690818402e-14
LUSC	PRDM13	cg00579292	0.155308158527951	370	3.0159220312441	0.0027399535453438	0.024120624105343	0.0153236481744411
LUSC	PRDM13	cg01422797	0.302804344718311	370	6.09493497251677	2.76472056269513e-09	0.0916904711802855	8.42124790345752e-08
LUSC	PRDM13	cg01815538	-0.0445980115834292	370	-0.856390295942392	0.392339224632246	0.00198898263719569	0.58935733453775

LUSC	PRDM13	cg02400433	-0.0146888192972644	370	-0.28181081409396	0.778246986331516	0.000215761412347688	0.877306854871381
LUSC	PRDM13	cg03120185	0.271221376061923	370	5.40554413987358	1.1640964032739e-07	0.0735610348329228	2.49132642630784e-06
LUSC	PRDM13	cg04910970	0.318756117540576	370	6.45132448715791	3.49450185336225e-10	0.101605462469542	1.25450520157113e-08
LUSC	PRDM13	cg11809464	0.133424605101327	370	2.58261899187144	0.0101908097427925	0.0178021252464449	0.0432553389966609
LUSC	PRDM13	cg13738144	-0.134964608386937	370	-2.61297774306967	0.00934373726354196	0.0182154455170392	0.0404207694311285
LUSC	PRDM13	cg14344102	0.0774873215537187	370	1.49094733290858	0.136831969905793	0.0060042850015694	0.296559488127577
LUSC	PRDM13	cg17879189	0.107674430439105	370	2.07763263411511	0.0384361443197551	0.0115937829703856	0.118848182010852
LUSC	PRDM13	cg17978124	0.35415967974971	370	7.26483088412016	2.24892913402063e-12	0.125429078760417	1.21242684027721e-10
LUSC	PRDM13	cg25273233	-0.0130155019748838	370	-0.249701769698209	0.802957314038678	0.000169403291658204	0.892564890379585
LUSC	PRDM13	cg25924096	0.107013580729032	370	2.06473302319037	0.0396483726693548	0.0114519064604491	0.1217112107742
LUSC	PRDM13	cg26507427	0.0368962082290992	370	0.708274255809232	0.479223339397746	0.00136133018168505	0.666607668438798
LUSC	PRDM14	cg00384539	-0.0723987997655632	370	-1.39250404448033	0.164610608536973	0.00524158620749412	0.336266941876091
LUSC	PRDM14	cg01295203	0.0683777318758511	504	1.53102618917619	0.126396605398397	0.00467551421648578	0.280618266713921
LUSC	PRDM14	cg04838988	0.103493374835089	370	1.99606574556781	0.0466632760088875	0.0107108786347563	0.137181828846407
LUSC	PRDM14	cg09050331	0.164949629556345	370	3.20822887709941	0.00145269738892927	0.0272083802907756	0.00915959966561548
LUSC	PRDM14	cg10457247	-0.0431900380717521	504	-0.965693481602456	0.334665356657816	0.0018653793886394	0.534256651487261
LUSC	PRDM14	cg11229513	0.142046247591518	370	2.75283315495551	0.00620097870911043	0.0201771364548308	0.0294414975707377
LUSC	PRDM14	cg13267264	-0.0396383509857522	370	-0.760993483823412	0.447148302169135	0.00157119886886968	0.638793561581753
LUSC	PRDM14	cg18035229	0.106250413643257	370	2.04983964733916	0.0410883407925605	0.0112891503993632	0.124811651058823
LUSC	PRDM14	cg21255438	-0.0121287102173778	370	-0.232686118536847	0.816134506565603	0.000147105611537124	0.90100712121824
LUSC	PRDM14	cg27029821	0.00704648920816456	370	0.135178456343087	0.89254468718344	4.96530101607796e-05	0.943084840675701
LUSC	PRDM4	cg00090609	0.0168886851429068	370	0.324027368466473	0.74610139720557	0.000285227685856242	0.857445667053863
LUSC	PRDM4	cg03909902	-0.182580347637129	370	-3.56237859672295	0.000415818921150749	0.0333355833432949	0.00320596800317159
LUSC	PRDM4	cg12900929	-0.0796427560549433	370	-1.53268156853124	0.126213538445155	0.00634296859202721	0.280308781826036
LUSC	PRDM4	cg18440127	-0.0208798614104151	370	-0.400632531342823	0.688923180661778	0.000435968612518142	0.821151757574765
LUSC	PRDM4	cg25995916	0.116906821488385	504	2.62689544556919	0.00888231421088847	0.0136672049105171	0.0389486363663183
LUSC	PRDM4	cg27140793	0.139367921633072	370	2.69988940213081	0.00725646567571685	0.0194234175803222	0.0333317916363087
LUSC	PRDM5	cg05713693	-0.120711735621157	370	-2.33271029175543	0.0202017842815677	0.0145713231166721	0.073383398580631
LUSC	PRDM5	cg06329345	-0.144047283850095	370	-2.79242880073923	0.0055045641181748	0.0207496199845897	0.0267806166985172
LUSC	PRDM5	cg07070341	-0.212370480235211	370	-4.16907194193197	3.81715715529301e-05	0.0451012208753341	0.00042025463308642
LUSC	PRDM5	cg10416963	-0.169791678357451	370	-3.30516013351173	0.00104251100570141	0.0288292140394401	0.00694953737596704
LUSC	PRDM5	cg11171429	-0.12626492857888	370	-2.44172349547372	0.0150875644840831	0.0159428321890297	0.0586431927089999
LUSC	PRDM5	cg13155001	-0.169042189604247	370	-3.29014046356439	0.00109808478516321	0.0285752618661983	0.00725411071475769
LUSC	PRDM5	cg18181323	-0.219885943209704	370	-4.32397038654463	1.97567197428021e-05	0.0483498280212211	0.000236891839653444
LUSC	PRDM5	cg19294653	-0.223005982652119	370	-4.38851205133282	1.49287399789731e-05	0.0497316682986373	0.000185729473520588
LUSC	PRDM5	cg22135105	-0.254394418459336	370	-5.0461465147898	7.09916965674272e-07	0.0647165201432638	1.25974636012008e-05
LUSC	PRDM8	cg01304890	-0.00958350738628076	370	-0.183851990317566	0.854230830799624	9.1843613822898e-05	0.92216741958416
LUSC	PRDM8	cg02895669	0.00449382456823924	370	0.0862073725584265	0.93134845462056	2.01944592501106e-05	0.963680928157119
LUSC	PRDM8	cg04343891	-0.0290541645420967	370	-0.557590906106966	0.577462778869087	0.000844144477239231	0.743998117371562
LUSC	PRDM8	cg05007549	0.383177251270752	370	7.95801066889573	2.18665846843505e-14	0.146824805891409	1.57362542917147e-12
LUSC	PRDM8	cg07462804	0.0150935336462817	370	0.289577164690744	0.772302818900715	0.000227814757931437	0.873748133928059
LUSC	PRDM8	cg08074201	0.0024662451262308	370	0.0473109283637627	0.962291082621115	6.08236502265715e-06	0.980234024897564
LUSC	PRDM8	cg10695325	0.0891975686431743	370	1.71795389167255	0.0866462043569994	0.00795620625185379	0.215023440785645
LUSC	PRDM8	cg11571772	-0.0023360063514081	370	-0.0448123842064406	0.964281160051155	5.45689896737825e-06	0.981283424217028
LUSC	PRDM8	cg12572049	0.147410971552907	370	2.85906710592436	0.00449087531657699	0.0217299945341719	0.0227498104954479
LUSC	PRDM8	cg14489346	0.00544619142362657	370	0.104477615512515	0.91684724945895	2.96610010227836e-05	0.956116142863496
LUSC	PRDM8	cg15656813	0.00083505625505654	370	0.0160191620321921	0.987227785763476	6.97318949109053e-07	0.993251330272358
LUSC	PRDM8	cg16117799	-0.0336299572060263	370	-0.645499560468118	0.519005762839262	0.00113097402167916	0.699751153145672
LUSC	PRDM8	cg18624348	0.00788178525663054	370	0.151203553422173	0.879897998073416	6.21225388316385e-05	0.936283971359523
LUSC	PRDM8	cg19595012	-0.00568667177568207	370	-0.109091042978396	0.91318973928281	3.23382358843391e-05	0.954120450727615
LUSC	PRDM8	cg20142271	-0.036767802125316	370	-0.705805978662103	0.480755360073126	0.00135187127312639	0.667954830305435
LUSC	PRDM8	cg26162932	0.00520635686143291	370	0.0998765950749469	0.920496684408304	2.71061517685895e-05	0.958250733541994
LUSC	PRKAA1	cg00301775	-0.316550974613702	370	-6.40170504810914	4.68563927399047e-10	0.100204519528885	1.64195775531899e-08
LUSC	PRKAA1	cg01883943	-0.342584605373526	368	-6.97617906575857	1.42787874762697e-11	0.117364211838934	6.59134926659259e-10
LUSC	PRKAA1	cg03125217	0.2791462432359	370	5.57663235181879	4.75506875540052e-08	0.0779226251127163	1.11790818603091e-06
LUSC	PRKAA1	cg05874655	0.232324593489741	370	4.58213334576111	6.31178571065594e-06	0.0539747167401732	8.73233251955839e-05
LUSC	PRKAA1	cg06971720	-0.0646323058289721	370	-1.24246040132123	0.214857882471863	0.00417733495676977	0.401775253810301

LUSC	PRKAA1	cg10786880	-0.0204950127079973	504	-0.457920088109401	0.647209187480638	0.000420045545900972	0.793214439686843
LUSC	PRKAA1	cg24728477	0.167699646099602	370	3.26325071244243	0.00120450395886978	0.0281231713019316	0.00784192660275467
LUSC	PRKCD	cg02121118	-0.0499003395053687	370	-0.958448518092174	0.33846589602987	0.00249004388275106	0.537836753035548
LUSC	PRKCD	cg02559423	-0.0872714544981331	370	-1.68056886674833	0.0936952417308515	0.00761630677021972	0.227310161392436
LUSC	PRKCD	cg02630105	-0.00799286620955769	504	-0.178552810017582	0.85836131824308	6.38859102438892e-05	0.924683003092162
LUSC	PRKCD	cg10531918	0.203728849321953	370	3.99191804312996	7.91316005312312e-05	0.041505444046047	0.000787308317141143
LUSC	PRKCD	cg13469346	0.0213259069031593	370	0.409194886691746	0.682634696566214	0.000454794305242218	0.817061059845712
LUSC	PRKCD	cg13889007	-0.0262674753696124	370	-0.50407147535329	0.614512794521413	0.000689980262293193	0.770756615777745
LUSC	PRKCD	cg13908523	-0.0697556221205308	504	-1.56202749238577	0.118915459618108	0.00486584681742229	0.269090168234055
LUSC	PRKCD	cg14727059	0.051626741336792	370	0.991695088573562	0.321997892944123	0.00266532042105603	0.521430143290906
LUSC	PRKCD	cg21903826	-0.0371206848931573	370	-0.712589326891995	0.476551482588279	0.00137794524693708	0.664280779739336
LUSC	PRMT1	cg07702240	0.140965294433386	370	2.73145808138997	0.00660916798713113	0.0198712142346911	0.0309544620343696
LUSC	PRMT1	cg08377944	-0.0403261838831445	370	-0.774220110466298	0.439297749953891	0.00162620110657718	0.632022657935956
LUSC	PRMT1	cg11787855	-0.0867671003120591	370	-1.6707827301581	0.0956147844902886	0.00752852969656292	0.23061501037507
LUSC	PRMT1	cg14258555	0.0380913502128408	370	0.731249488612677	0.465092130397296	0.00145095096103729	0.654301237992904
LUSC	PRMT1	cg14576628	-0.143673132957068	504	-3.24306079783809	0.00126170143775476	0.0206419691336994	0.00814613674567965
LUSC	PRMT1	cg18880319	-0.231172415052202	370	-4.55812260474541	7.03443924943632e-06	0.0534406854810676	9.58719633795812e-05
LUSC	PRMT1	cg22292364	0.105659421510841	370	2.03830882276976	0.0422335377643613	0.0111639133540057	0.12739001344813
LUSC	PRMT1	cg24228123	-0.0885875726434245	370	-1.70611205727193	0.0888309283933317	0.00784775802685401	0.218833768860692
LUSC	PRMT1	cg25595446	-0.264281538051909	504	-6.1212395167855	1.88072507797061e-09	0.0698447313550827	5.90909235523608e-08
LUSC	PRMT1	cg26846726	0.0868618343358298	370	1.67262078406261	0.0952518599420023	0.00754497826418514	0.230024933020678
LUSC	PRMT2	cg04493422	0.176621732928937	370	3.44230952156771	0.00064308748648642	0.0311952365428206	0.00463998775029907
LUSC	PRMT2	cg06725035	-0.139481721248907	504	-3.14654421999385	0.00175082465871966	0.0194551505625578	0.0106692506266988
LUSC	PRMT2	cg09031657	-0.214710612884789	370	-4.21721889720008	3.11709421116874e-05	0.0461006472853617	0.000352253380394626
LUSC	PRMT2	cg10187059	-0.0536835336603791	370	-1.03313589015266	0.303070023786538	0.00288192178626505	0.501465658785157
LUSC	PRMT2	cg10657630	-0.0747018382190516	370	-1.43704494917086	0.151554886156856	0.00558036463330535	0.317945655943219
LUSC	PRMT2	cg12162201	-0.204789170475731	370	-4.01360127237503	7.24774781396611e-05	0.0419386043441381	0.000730067711303483
LUSC	PRMT2	cg13271076	0.156339535183643	504	3.53583958081027	0.000444360561626246	0.0244420502614375	0.00339473490436534
LUSC	PRMT2	cg17243659	0.0612577317587871	370	1.17733810660243	0.239821462779293	0.00375250970023151	0.43173746038119
LUSC	PRMT2	cg23283320	-0.183466034453494	370	-3.58025992024461	0.000389269310506439	0.0336597857980907	0.00303587135253513
LUSC	PRMT3	cg01769160	0.00442761283760622	370	0.084937173426332	0.932357527228349	1.96037554397354e-05	0.964101933222479
LUSC	PRMT3	cg04101203	-0.0214638676215769	370	-0.411843250337152	0.680694094192832	0.000460697613276576	0.81583035008993
LUSC	PRMT3	cg06578097	-0.17388667486963	370	-3.38732846786636	0.000782011004987923	0.0302365756972163	0.00546445379700265
LUSC	PRMT3	cg13432154	-0.122017427893101	370	-2.35832158642043	0.0188801094553095	0.0148882527096482	0.0696622668832454
LUSC	PRMT3	cg13982511	-0.0842300098630805	370	-1.62157427215983	0.105750961823933	0.00709469456153464	0.247877017208445
LUSC	PRMT3	cg19653624	-0.106394683785017	370	-2.05265482963437	0.0408127941579936	0.0113198287377139	0.124183146584541
LUSC	PRMT3	cg23019633	-0.115774366749513	370	-2.23597314522635	0.0259524544448306	0.0134037039962508	0.0886124140221712
LUSC	PRMT3	cg23071995	0.0254119530721495	370	0.487643259927027	0.626092927578788	0.00064576735894113	0.778801938088651
LUSC	PRMT6	cg00944433	-0.247152424984477	370	-4.893003085772	1.4878981042121e-06	0.0610843211757075	2.42814233520193e-05
LUSC	PRMT6	cg02990361	-0.1859721260559	370	-3.63090500166817	0.000322446699408267	0.0345856316697514	0.00259538732889465
LUSC	PRMT6	cg02993280	-0.184388945033173	370	-3.59890236265225	0.000363288524297175	0.0339992830504464	0.00286833121477463
LUSC	PRMT6	cg09367891	-0.1088448388807	370	-2.10048554481468	0.0363661646281654	0.0118471989509656	0.114139813244715
LUSC	PRMT6	cg14671364	-0.178565233201684	370	-3.48142835151268	0.000558670806116616	0.0318855425083718	0.00411798717936669
LUSC	PRMT6	cg14828511	-0.171298760208503	370	-3.33537979046112	0.000938527184240896	0.0293432652489702	0.00636770126916523
LUSC	PRMT6	cg22528358	-0.117866739840242	370	-2.27694774930346	0.0233627689989144	0.0138925683605673	0.0818759911479209
LUSC	PRMT7	cg00894222	-0.20575921539546	370	-4.03345129743561	6.685485160434e-05	0.0423368547201554	0.000683071490111377
LUSC	PRMT7	cg02477175	-0.0666055461453764	370	-1.2805595409921	0.201154929554722	0.00443629877732387	0.384374302165948
LUSC	PRMT7	cg06089844	-0.174020288019031	370	-3.39001251427954	0.000774625905247431	0.0302830606422265	0.00541966432888017
LUSC	PRMT7	cg06092312	0.163293036613903	370	3.1751212803868	0.00162403267046141	0.0266646158065893	0.0100373399194308
LUSC	PRMT7	cg06745885	-0.181703349297021	370	-3.54468152693255	0.000443759481071806	0.0330161071457554	0.00339047584664114
LUSC	PRMT7	cg09175928	-0.152762056692016	370	-2.96528793742158	0.00322117918494505	0.0233362459647746	0.0174582120589021
LUSC	PRMT7	cg09779635	-0.211646156900918	370	-4.15418465453616	4.06237033613472e-05	0.044794095730928	0.000444233958292472
LUSC	PRMT7	cg10233539	0.138890312840548	370	2.69045466555944	0.00746071406271374	0.0192905190009452	0.0340369921296477
LUSC	PRMT7	cg10446007	0.0286327419412501	370	0.549496519728757	0.582998049566102	0.000819833911074223	0.748064316645755
LUSC	PRMT7	cg11893236	-0.123543983811722	504	-2.78106904937654	0.00562292692391856	0.0152631159360711	0.0272485701809035
LUSC	PRMT7	cg19328639	0.0705383074561889	370	1.35653839451592	0.175759540070463	0.00497565281878383	0.35155910084334
LUSC	PRMT7	cg21918026	0.0102239544330026	504	0.228397779553299	0.819430580746528	0.000104529244248114	0.902798987663502

LUSC	PRMT7	cg26492318	-0.0356032937493578	370	-0.683422882892514	0.494769724761012	0.00126759452580306	0.679857210422295
LUSC	PRMT7	cg26561196	0.150722903867611	370	2.92477914590585	0.00366055919275934	0.0227173937502853	0.019316886571803
LUSC	PRMT7	cg26796563	0.110638967379294	370	2.13553415214716	0.0333770986364278	0.0122409811027564	0.106864542962706
LUSC	PRMT8	cg01693063	-0.0321082209202447	370	-0.616260217093954	0.538103797644622	0.00103093785066324	0.71386529648102
LUSC	PRMT8	cg06029846	0.0210891270530883	370	0.404649595501512	0.685970191957528	0.000444751279861299	0.819232781550233
LUSC	PRMT8	cg07912789	-0.0737926676517933	370	-1.41945881299791	0.156611790142802	0.00544535779916803	0.325117617611389
LUSC	PRMT8	cg10350722	-0.128146681920863	370	-2.47871604110704	0.013633085271323	0.0164215720873269	0.0542575451781502
LUSC	PRMT8	cg11596580	-0.0181787504902289	370	-0.348786534598521	0.727449040050548	0.000330466969385998	0.845856310858728
LUSC	PRMT8	cg19656577	-0.025784127474738	370	-0.494789826113593	0.621043753774125	0.000664821229633539	0.77541011092019
LUSC	PRMT8	cg21667836	0.0697879831552421	504	1.56275569410967	0.118744010297794	0.00487036259287635	0.26879973046344
LUSC	PRMT8	cg23739862	-0.0593466676873558	504	-1.32804490371912	0.184770394359084	0.00352202696559344	0.363292424272622
LUSC	PRMT8	cg24100636	-0.0793383632978824	370	-1.52678651727401	0.127673100406855	0.00629457589078677	0.28257421756098
LUSC	PRMT8	cg27316886	-0.114313751549545	370	-2.20738807032487	0.0279034814138478	0.013067633793331	0.0935495359898671
LUSC	PWWP2E	cg00259755	-0.133358945093057	504	-3.00586212741944	0.00278164861435611	0.017784608236333	0.0154989468761018
LUSC	PWWP2E	cg05010219	-0.0908482924174608	370	-1.75000915482399	0.0809501724529664	0.00825341223516847	0.20463500733756
LUSC	PWWP2E	cg15012692	0.00816697581178765	370	0.156674985351461	0.875586920128018	6.66994939103246e-05	0.934201155684706
LUSC	PWWP2E	cg15278699	-0.243284139575161	370	-4.81156205364284	2.18882027891887e-06	0.0591871725688265	3.41921856984367e-05
LUSC	PWWP2E	cg17803807	-0.236834345684537	134	-2.7686901919919	0.00645796977843075	0.0560905072958226	0.0303908596541795
LUSC	PWWP2E	cg19919881	-0.0885935629345369	370	-1.70622833718786	0.0888092610050737	0.00784881939343575	0.218827684360468
LUSC	PWWP2E	cg22633292	-0.267822191701065	370	-5.3325263924884	1.69435790809438e-07	0.0717287263675619	3.49538263331462e-06
LUSC	PWWP2E	cg22664157	-0.207830463517836	370	-4.07587688557811	5.61956071249554e-05	0.0431935015660384	0.000587118058108888
LUSC	PWWP2E	cg24520806	-0.194937011921265	370	-3.8126836940794	0.000161127646847535	0.0380004386167914	0.00144709814810173
LUSC	PYGO1	cg06364757	-0.279779993086804	370	-5.59036694601946	4.42107176914149e-08	0.0782768445316523	1.04697977841277e-06
LUSC	PYGO1	cg09275667	-0.278457474776962	370	-5.561714358311	5.14566783396785e-08	0.0775385652591624	1.19600263960471e-06
LUSC	PYGO1	cg11480800	-0.319306724266406	370	-6.46373221127499	3.24650529399213e-10	0.101956784161742	1.17142223024501e-08
LUSC	PYGO1	cg12686317	-0.181731102279216	370	-3.54524142388518	0.000442849179905285	0.0330261935356189	0.00338418556989702
LUSC	PYGO1	cg13878116	0.014958888593094	370	0.286993349684299	0.774278935542492	0.000223768347940596	0.874929393396702
LUSC	PYGO1	cg17841803	-0.266378454549155	370	-5.30157865441505	1.98410569884662e-07	0.0709574810479962	4.03111827464282e-06
LUSC	PYGO1	cg19850348	-0.211057713908374	504	-4.82332432514332	1.87823083047842e-06	0.044545358600229	2.98556081345136e-05
LUSC	PYGO1	cg22510134	0.0805483423856233	370	1.55022225028868	0.1219477211711	0.00648803546107161	0.273702461578851
LUSC	PYGO1	cg23030278	-0.275414360220167	370	-5.49591462343977	7.27442099288865e-08	0.0758530698154837	1.63038405854445e-06
LUSC	PYGO1	cg23412777	0.0746154544249414	504	1.67144233878254	0.0952612814818633	0.00556746603904051	0.230040544206117
LUSC	PYGO1	cg25902187	-0.218736674411448	370	-4.30023168913935	2.18827824072726e-05	0.0478457327325799	0.000259030610862958
LUSC	PYGO2	cg01277844	0.0580462398662746	504	1.2988447667323	0.19459706563435	0.00336936596261309	0.375999307633964
LUSC	PYGO2	cg02341811	-0.18107227091661	370	-3.53195232433879	0.000464934317368834	0.0327871672948982	0.00352800431968309
LUSC	PYGO2	cg04602755	-0.254952373736092	370	-5.05798258012478	6.69943665311312e-07	0.0650007128736681	1.19948440734702e-05
LUSC	PYGO2	cg10892866	-0.00679887220107763	504	-0.15187881093951	0.879343905648925	4.62246632065862e-05	0.936001639133235
LUSC	PYGO2	cg14024356	0.0380009346548422	370	0.729511244658488	0.466153060250624	0.00144407103464159	0.655399525928269
LUSC	PYGO2	cg18188585	-0.292760919433714	370	-5.87347032572775	9.55035945142452e-09	0.0857089559476736	2.62159725887127e-07
LUSC	PYGO2	cg24683561	-0.255315514025283	370	-5.06568888110441	6.45097611401174e-07	0.0651860117019942	1.15901312832583e-05
LUSC	PYGO2	cg27105205	-0.113799101374745	370	-2.19731953788045	0.02862030557459	0.0129502354736994	0.0952997496841012
LUSC	RBBP4	cg05797186	-0.258890214304301	370	-5.14167168215369	4.43326836979576e-07	0.0670241430625269	8.27451246544846e-06
LUSC	RBBP4	cg06526778	-0.115580057693361	370	-2.232169562335	0.0262050346619398	0.0133587497364006	0.0892596486740519
LUSC	RBBP4	cg09036220	-0.115164550114358	370	-2.22403690850608	0.0267522565991463	0.0132628736030425	0.0906312350247785
LUSC	RBBP4	cg11229946	-0.113039328487904	370	-2.18245873769698	0.0297073894888847	0.0127778897849962	0.0979676412843702
LUSC	RBBP4	cg13641837	-0.0592398869974592	370	-1.13841738623994	0.255686810453863	0.00350936421147174	0.449928741488109
LUSC	RBBP4	cg16148416	-0.167300736678786	370	-3.25526457908072	0.00123790617967127	0.0279895364932644	0.00801859367606684
LUSC	RBBP4	cg16396527	-0.24967183909435	370	-4.94617929103518	1.15316216484247e-06	0.0623360272367552	1.9417553560986e-05
LUSC	RBBP4	cg18758482	-0.0294172343914922	504	-0.657415756224653	0.511216742736068	0.000865373679243992	0.693431783278703
LUSC	RBBP4	cg20740619	0.18997094690914	370	3.71186882166082	0.000237548760247717	0.0360889606695551	0.00200410674056078
LUSC	RBBP4	cg22358606	-0.0220180277824679	367	-0.420755832360676	0.674181009967819	0.000484793547429528	0.81164639898793
LUSC	RBBP4	cg22857567	-0.0947121963252169	370	-1.82509932330297	0.0687965214304346	0.00897040013274644	0.182002196427914
LUSC	RBBP4	cg23016766	-0.171211824264941	370	-3.3363591775496	0.000944255223702987	0.0293134887681289	0.00639872742793991
LUSC	RBBP4	cg26131911	-0.116017172188437	504	-2.60924701742696	0.00934654683483097	0.0134599842426015	0.0404239319769189
LUSC	RBBP5	cg00960017	-0.0748397331820182	370	-1.43971257262779	0.15079884179144	0.00560098566275568	0.316846592797389
LUSC	RBBP5	cg02189925	0.290127345705483	370	5.81575443405022	1.31153467351875e-08	0.0841738767261087	3.49655683316373e-07
LUSC	RBBP5	cg03143531	-0.163606191725293	370	-3.18137767156029	0.0015902886699348	0.0267669859708535	0.00986719706403798

LUSC	RBBP5	cg05290904	0.0436931321222942	504	0.976963639790075	0.32906053591411	0.00190908979465625	0.528761599795557
LUSC	RBBP5	cg07601985	0.241066188041058	370	4.76497676193295	2.72317252511534e-06	0.0581129070166468	4.1587452575348e-05
LUSC	RBBP5	cg07972983	0.170876595746337	370	3.32691222462797	0.000966646064293017	0.0291988109738572	0.00652714728978482
LUSC	RBBP5	cg14717946	0.0506959761312204	504	1.13392039593808	0.25737239451125	0.00257008199589727	0.451842120838784
LUSC	RBBP5	cg18131828	-0.261715198112797	370	-5.20187870576469	3.282956988266e-07	0.0684948449232205	6.31226781871392e-06
LUSC	RBBP5	cg21214746	-0.192944202699465	369	-3.76706331727944	0.000192349029667866	0.0372274653553323	0.00167979349056825
LUSC	RBBP5	cg23227967	-0.0503113780936871	370	-0.966363393416306	0.334497010209479	0.00253123476568594	0.53409947275787
LUSC	RBBP5	cg24103461	-0.114171611400823	370	-2.2046070839146	0.0280999019829192	0.0130351568498605	0.0940580773141953
LUSC	RBBP5	cg26795850	-0.27820028320467	370	-5.55614624892988	5.29931774620583e-08	0.0773953975751586	1.22841217147895e-06
LUSC	RBBP7	cg01947226	0.00119401753863309	370	0.0229052441324151	0.981738271887605	1.42567788256341e-06	0.99056234190509
LUSC	RBBP7	cg03048084	0.0117208604742856	370	0.224860534611598	0.822212577539897	0.00013737857025767	0.904546729411957
LUSC	RBBP7	cg03171708	0.0362504614825371	370	0.695861788536789	0.486954610981147	0.00131409595769691	0.673292816128738
LUSC	RBBP7	cg03811055	-0.012308273572169	370	-0.236131512463574	0.813461989551074	0.000151493598327354	0.899499126051999
LUSC	RBBP7	cg07096248	0.0180349150262252	370	0.346025934468157	0.729520963767113	0.000325258160003165	0.847050057541773
LUSC	RBBP7	cg08363715	0.0342370582664156	370	0.657165923246259	0.511485021618086	0.00117217615873794	0.693621735175803
LUSC	RBBP7	cg14719055	-0.0366713010920903	504	-0.819726177909315	0.412763579784402	0.00134478432378674	0.608379542032916
LUSC	RBBP7	cg15289846	0.0645055326665673	370	1.24001318214582	0.21576061093467	0.00416096374459757	0.402921499427675
LUSC	RBBP7	cg15464143	0.0257961819511697	370	0.495021301970491	0.620880509584025	0.000665443003257854	0.775332593630128
LUSC	RBBP7	cg16978043	0.0147025813497284	370	0.282074901579406	0.778044644168378	0.000216165898345382	0.877257869682499
LUSC	RBBP7	cg17878446	0.0345661926650122	370	0.663491040904269	0.507431536146797	0.00119482167535474	0.690184962374402
LUSC	RBBP7	cg17880859	-0.0187847800783275	504	-0.419694256154769	0.674889454895167	0.000352867962591128	0.812061578302013
LUSC	RBBP7	cg21122900	0.0262537662225612	370	0.503808216038483	0.614697615932369	0.000689260240868897	0.770809540373814
LUSC	RING1	cg01241018	0.0272258621320727	370	0.522476269479199	0.601653146267988	0.000741247568834629	0.761242658547155
LUSC	RING1	cg01878788	-0.148930677144445	370	-2.88920722658081	0.00409080088539051	0.0221803465947029	0.0211216409423289
LUSC	RING1	cg02475416	-0.0781452259196681	370	-1.50368363689781	0.133520535961949	0.00610667633403596	0.291502163012485
LUSC	RING1	cg03037740	0.0868631692106827	370	1.67264668397451	0.0952467539192789	0.00754521016532369	0.230019742786961
LUSC	RING1	cg06316695	-0.135449245470995	370	-2.62253558215083	0.00909042355297761	0.0183464980986618	0.0396379356471241
LUSC	RING1	cg06671577	0.0568480235462358	370	1.09230059443751	0.275415567361783	0.00323169778111339	0.471843601727205
LUSC	RING1	cg07946923	-0.0696907381472613	370	-1.34015855708297	0.181020648956721	0.00485679898351014	0.358274064136242
LUSC	RING1	cg08892712	-0.0525650944647868	370	-1.00976935460704	0.313269272496842	0.00276308915609196	0.512339852936266
LUSC	RING1	cg09478665	-0.0223194568452345	370	-0.428268104798867	0.668706481766894	0.000498158153866285	0.807875513526542
LUSC	RING1	cg09724776	0.236584149837691	370	4.67107812022929	4.20735422302359e-06	0.0559720599544229	6.11217393885895e-05
LUSC	RING1	cg09832551	-0.128959076056671	370	-2.4946949198082	0.0130442704187345	0.0166304432973902	0.0524616643206859
LUSC	RING1	cg09869033	0.0860861744836018	370	1.65757257272611	0.0982559501738679	0.00741082943722113	0.235096466613727
LUSC	RING1	cg10265934	0.142525997058008	370	2.76232307203257	0.00602717207593884	0.0203136598373793	0.0287743371878236
LUSC	RING1	cg12065531	0.0918109790113732	370	1.76871018008283	0.0777705915079462	0.00842925586702681	0.198867124255885
LUSC	RING1	cg12115664	-0.166014392794743	370	-3.22952326268664	0.00135150516205685	0.0275607786150073	0.00862360503420688
LUSC	RING1	cg12256228	0.140434678296088	504	3.16847282094806	0.00162639354103465	0.0197218988681257	0.0100487379184536
LUSC	RING1	cg14046664	-0.149221800370595	370	-2.89498341733519	0.00401794282674725	0.0222671457058418	0.0208145331466988
LUSC	RING1	cg14363494	0.047084385521542	504	1.05295331566359	0.292871986505553	0.0022169393599412	0.490562469171754
LUSC	RING1	cg18189601	-0.156539346983992	504	-3.54047205135629	0.000436821286315408	0.0245045671541746	0.00334337614596821
LUSC	RING1	cg20505183	0.0689357012398976	370	1.32556942686473	0.185804658378776	0.00475213090543642	0.36457960486086
LUSC	RING1	cg24536938	0.0761072003032154	370	1.4642360516865	0.14398316684438	0.00579230593799376	0.307171986329129
LUSC	RING1	cg24550302	-0.114405204225476	370	-2.20917742380243	0.0277777290304777	0.0130885507538729	0.0932203378714026
LUSC	RNF17	cg00202166	0.0141256457259436	370	0.27100390681613	0.786539971072969	0.000199533867174869	0.882321165548898
LUSC	RNF17	cg01405147	0.0183454717799017	370	0.351986404099955	0.725049931881726	0.000336556334827169	0.844180035363175
LUSC	RNF17	cg07131398	0.0311465065372488	348	0.579639735377701	0.562534811465158	0.00097010486947488	0.732673125669617
LUSC	RNF17	cg12020676	0.118390072179892	370	2.28720086709315	0.0227511070352589	0.0140162091907599	0.0802675564943732
LUSC	RNF17	cg14855529	0.161167708895129	370	3.13268621716114	0.00187094718119838	0.0259750303905049	0.0112557779765019
LUSC	RNF17	cg15523998	0.0859059182099496	370	1.65407594157541	0.0989647538838446	0.00737982678349455	0.236458861256175
LUSC	RNF17	cg17806989	-0.0188161068143381	504	-0.420394413609662	0.674378320231318	0.000354045875648579	0.811724790207874
LUSC	RNF17	cg20477497	0.0604943211622038	370	1.16261156455403	0.245740518618923	0.00365956289287586	0.43869484876921
LUSC	RNF17	cg21831927	0.0786411087619111	370	1.51328468807922	0.131065686188722	0.00618442398730274	0.287740815193831
LUSC	RNF17	cg23678722	0.171760684234065	370	3.34464700269201	0.000908625980495229	0.0295017326485543	0.00620049557251279
LUSC	RNF17	cg24753530	0.0881966278989351	370	1.69852367665807	0.0902542058420992	0.00777864517274322	0.221237240193612
LUSC	RNF20	cg04845236	-0.18606133976436	370	-3.63270924896008	0.000320277732582935	0.0346188221549086	0.00258164219150242
LUSC	RNF20	cg14625770	0.0278338270928702	370	0.53415233139832	0.593558670916331	0.000774721930635793	0.755510704624907

LUSC	RNF20	cg21219529	0.169549499664745	370	3.30030625550525	0.00106017826395982	0.0287470328365653	0.00704858626326724
LUSC	RNF217	cg00991794	-0.155424531855063	370	-3.01823780015293	0.00271960916431512	0.0241567851023656	0.0152350597918003
LUSC	RNF217	cg02312409	-0.153375436145662	370	-2.97748058768106	0.00309870830166406	0.023524024412872	0.0168946263721277
LUSC	RNF217	cg03113502	-0.111389213277738	370	-2.15019658058447	0.0321907037837122	0.0124075568346333	0.104040033658085
LUSC	RNF217	cg06993703	-0.0968260725357201	370	-1.86621487584103	0.0628065505584247	0.00937528832269253	0.170207371077199
LUSC	RNF217	cg07439975	-0.141542863480723	370	-2.7428778497712	0.00638816721971522	0.0200343822023227	0.0301279830670219
LUSC	RNF217	cg10621825	-0.16138156345345	370	-3.13695407896333	0.00184463217890893	0.0260440090226798	0.0111284463533184
LUSC	RNF217	cg16203203	-0.24905007215242	370	-4.9330460187893	1.22833334064065e-06	0.0620259384391255	2.0532222583111e-05
LUSC	RNF217	cg17382198	-0.135234473999948	370	-2.61829969992497	0.00920191867599281	0.0182883629580427	0.0399940813162849
LUSC	RNF217	cg18192252	-0.176363875566062	370	-3.43712249538704	0.000655135754153751	0.0311042166046812	0.0047142383552527
LUSC	RNF217	cg19171596	-0.14876317201979	370	-2.88588409719043	0.00413326077780587	0.0221304813493897	0.0213083425413274
LUSC	RNF217	cg19478500	-0.213556719516014	370	-4.19346871738215	3.4455417620427e-05	0.0456064724504413	0.000384731557106861
LUSC	RNF217	cg20034100	-0.23086452553722	504	-5.30030582179639	1.73881523780016e-07	0.0532984291515255	3.5832951684616e-06
LUSC	RNF217	cg23521835	-0.198578378425082	370	-3.88679935714986	0.000120469935857576	0.0394333723779353	0.00113022650628368
LUSC	RNF217	cg24822696	-0.135007081467303	370	-2.61381530548292	0.00932128901522711	0.018226912046319	0.0403663080411143
LUSC	RPA3	cg26322315	0.100137971554843	134	1.14309441940955	0.255116372912966	0.0100276133471185	0.449382372846465
LUSC	RPH3A	cg00851732	-0.119979232913583	370	-2.31834756102013	0.0209778973129614	0.0143950163305317	0.075539462301635
LUSC	RPH3A	cg00854817	0.0518475968540343	370	0.995948900059144	0.319929390295021	0.00268817329953846	0.51931411610295
LUSC	RPH3A	cg01119407	-0.0656313640562684	370	-1.26174826647569	0.207838528816763	0.00430747594788644	0.392870623515278
LUSC	RPH3A	cg01573562	-0.034140814705961	504	-0.763092889369023	0.445768599823421	0.00116559522878676	0.637700298443266
LUSC	RPH3A	cg05967001	-0.0450104770548741	370	-0.864326641127349	0.387971508888841	0.00202594304470735	0.585811604274049
LUSC	RPH3A	cg08254200	-0.104327980376519	370	-2.01233911031964	0.0449123719865778	0.0108843274894433	0.133386006960519
LUSC	RPH3A	cg09384610	0.00840369673366524	370	0.161216547658289	0.872011317373534	7.06221187914158e-05	0.932112017694313
LUSC	RPH3A	cg11596863	0.0801675722999576	370	1.5428464864885	0.123727480165862	0.00642683964846894	0.276510985527594
LUSC	RPH3A	cg16403344	-0.0490472924668419	370	-0.942023971462855	0.346798353416764	0.00240563689832793	0.546097020539314
LUSC	RPH3A	cg17453780	0.0728927426120579	370	1.40205501821348	0.161741745662839	0.00531335192550772	0.332159588239352
LUSC	RPH3A	cg18629535	-0.0336189632309829	370	-0.645288301285264	0.519142478120851	0.00113023468872618	0.699831124706415
LUSC	RPH3A	cg19712198	-0.0412013557503019	370	-0.791050752810067	0.429423899503803	0.00169755171566294	0.623478524812879
LUSC	RPH3A	cg20704159	-0.0807515261779399	370	-1.55415833158061	0.121006209047162	0.00652080898006652	0.272225477924086
LUSC	RPH3A	cg21900624	0.133701775582506	370	2.58808156099604	0.0100335056601912	0.0178761647939149	0.0427392861884708
LUSC	RPH3A	cg23199238	-0.0404473854247235	368	-0.774437791860214	0.439171931040707	0.00163599098769613	0.631935136197484
LUSC	RPH3A	cg23549179	0.0555296799169255	370	1.06689012974169	0.286720868500697	0.0030835453516762	0.484116057736321
LUSC	RPH3A	cg23596620	-0.00624950421862247	370	-0.119888618572947	0.90463680455113	3.905630297858e-05	0.949465273987812
LUSC	RTF1	cg04910470	-0.220907707105944	370	-4.34509129210709	1.80324248113068e-05	0.0488002150588057	0.000219155515664865
LUSC	RTF1	cg07091958	-0.0133413435243584	504	-0.298049565813171	0.765789391129327	0.000177991447034939	0.870078379588329
LUSC	RTF1	cg07129439	0.191398324944861	370	3.74081500130719	0.000212680458900735	0.0366333187916987	0.001825986493734
LUSC	RTF1	cg15581235	-0.0326593466579716	370	-0.626849295174576	0.531146709083847	0.00106663292412556	0.708882071856933
LUSC	RTF1	cg18782716	0.193450204895013	370	3.78246884092686	0.000181168800924934	0.0374229817739226	0.00159595127382565
LUSC	RTF1	cg22263512	0.229545202712749	370	4.52424691056334	8.19041324512677e-06	0.052691000884368	0.000109591504642482
LUSC	RTF1	cg24280607	-0.074236453918692	370	-1.42804254774673	0.154127708113748	0.00551105109042208	0.32156544975463
LUSC	RTF1	cg27576415	0.250460324627534	370	4.96284346285483	1.06415867195103e-06	0.0627303742125297	1.80556509761741e-05
LUSC	SATB1	cg01069104	-0.0868839448219685	370	-1.67304978398258	0.0951673133773645	0.00754881986782687	0.229870710618148
LUSC	SATB1	cg01373248	0.172206235548096	370	3.35358789592667	0.000880619994149605	0.0296549875616465	0.00603798270975448
LUSC	SATB1	cg04004754	-0.0617676668555685	370	-1.18717614324647	0.235923907518404	0.0038152446687805	0.427182395994011
LUSC	SATB1	cg14415616	-0.22232139881163	370	-4.37433856684594	1.58808271004141e-05	0.0494268043695597	0.000195696667741108
LUSC	SATB1	cg19818826	-0.152751733383107	370	-2.96508276254783	0.00322327746806069	0.0233330920515439	0.0174618138823338
LUSC	SATB1	cg26131754	-0.153374878515982	370	-2.97746950161686	0.00309881769421664	0.0235238533597921	0.0168946263721277
LUSC	SATB1	cg26768584	0.0519097135129318	370	0.997145331034067	0.31934917702729	0.00269461835699466	0.518663226323326
LUSC	SCML2	cg00457389	-0.0299023723061315	370	-0.573883585829587	0.566397156004193	0.000894151869534502	0.735398000235461
LUSC	SCML2	cg04189389	0.0609070026649237	370	1.17057212488023	0.242528271067498	0.00370966297362502	0.434949782164312
LUSC	SCML2	cg05049545	-0.0543823958151321	370	-1.04478131824571	0.296809847565799	0.0029574449745937	0.494782721870567
LUSC	SCML2	cg06131666	0.0584895668725703	370	1.12394861208809	0.261767458739045	0.00342102943294087	0.457102978342205
LUSC	SCML2	cg08300622	-0.0575919213757897	504	-1.28864495524973	0.198118674863421	0.00331682940775515	0.380657566063003
LUSC	SCML2	cg17710066	0.098182419383669	370	1.89260963555797	0.0591943466157664	0.00963978747603067	0.163059558819692
LUSC	SCML2	cg17727916	-0.0251002741566813	370	-0.481658496232307	0.630334865427651	0.000630023762740562	0.781844116175221
LUSC	SCML2	cg22823767	-0.0558342071912013	370	-1.07275925027509	0.284082113288759	0.00311745869266999	0.481341866053792
LUSC	SCML2	cg26246138	-0.0404728795967227	504	-0.904837035869246	0.365988375161885	0.00163805398285081	0.564858638177635

LUSC	SCML4	cg00977377	0.107364651839801	370	2.07158549226257	0.0390004224527243	0.0115271684646817	0.120244089421656
LUSC	SCML4	cg03500965	-0.230073764357732	363	-4.49190499252352	9.51474779577899e-06	0.0529339370457372	0.000125370984082797
LUSC	SCML4	cg05603896	-0.200927125006565	370	-3.9346939549813	9.95885025733049e-05	0.0403717095634038	0.000960618471071008
LUSC	SCML4	cg08792995	-0.137758168962337	370	-2.66809780489867	0.00796552376321752	0.0189773131158557	0.0358170022331509
LUSC	SCML4	cg17388996	0.0161369230564824	370	0.309600169745057	0.757040258626786	0.000260400285730832	0.864550644151676
LUSC	SCML4	cg23503775	-0.18507780460154	370	-3.61282348356632	0.000344959020055801	0.0342537937561257	0.00274703060765902
LUSC	SCML4	cg27353361	0.00522536224967231	370	0.100241196513565	0.920207427665585	2.73044106403004e-05	0.958039354243951
LUSC	SCML4	cg27659622	-0.116984119558345	370	-2.25965982240559	0.0244265861727259	0.0136852842288411	0.0847149857215925
LUSC	SETD1A	cg26692825	-0.286832904328994	370	-5.7437582484262	1.94149110788149e-08	0.0822731150058056	5.00451819902362e-07
LUSC	SETD6	cg01152986	-0.217249808922623	370	-4.26954763991859	2.49563290429308e-05	0.047197479476916	0.000290506159144958
LUSC	SETD6	cg01472538	-0.243303217439015	370	-4.81196310687728	2.18469172692455e-06	0.0591964556161764	3.41482636536805e-05
LUSC	SETD6	cg01773760	-0.282878566596638	370	-5.65763369981585	3.08841598492008e-08	0.0800202834397684	7.59596057954072e-07
LUSC	SETD6	cg02549819	-0.266534298531462	368	-5.29048227254014	2.10521711936711e-07	0.0710405322936585	4.23843842091213e-06
LUSC	SETD6	cg05502081	-0.326504737560385	370	-6.62661472678243	1.22312797089259e-10	0.106605343649376	4.81538549431268e-09
LUSC	SETD6	cg09132913	-0.321122454656392	370	-6.50470080286632	2.54407620372407e-10	0.103119630884546	9.37092160002415e-09
LUSC	SETD6	cg19824325	-0.310374727920671	504	-7.29343784442575	1.19444761748669e-12	0.0963324717318303	6.68014794786192e-11
LUSC	SETD6	cg26666090	-0.29727575993877	370	-5.9727562092346	5.50259643112519e-09	0.0883728774471732	1.58309536524761e-07
LUSC	SETD7	cg05316864	-0.0717456000667968	370	-1.37987523014935	0.168462835050266	0.00514743112894475	0.341615561606245
LUSC	SETDB1	cg02060408	-0.222065581669284	370	-4.36904392914711	1.62511823682297e-05	0.0493131225621173	0.000199817367022927
LUSC	SETDB1	cg08531528	0.126678498226243	370	2.44985136421981	0.0147567210735143	0.0160474419128562	0.0576499954398116
LUSC	SETDB1	cg10589385	-0.146245767799302	370	-2.83597180541499	0.00482117630638391	0.0213878245992074	0.024082354538258
LUSC	SETDB1	cg10961700	-0.200724434876224	370	-3.9305580142101	0.000101246692957548	0.0402902987563795	0.000974034843028091
LUSC	SETDB1	cg12082615	0.088459997641365	503	1.98183499278031	0.0480470643494745	0.00782517118271029	0.140127964459887
LUSC	SETDB1	cg15448220	-0.181628013001769	370	-3.54316171416653	0.000446239297446821	0.0329887351069707	0.00340607730627728
LUSC	SETDB1	cg16370685	-0.26627173331879	368	-5.29208749806049	2.08516260983717e-07	0.0709006359645926	4.20241295517287e-06
LUSC	SETDB1	cg17899625	0.105375091379002	370	2.032762047615	0.0427940106907627	0.011103909883133	0.128661536915061
LUSC	SETDB1	cg17918089	0.172605478844006	504	3.91446640234701	0.000103190715252649	0.0297926513269685	0.00098971994851
LUSC	SETDB1	cg19689029	-0.256028316219154	370	-5.08082212727326	5.98875114853357e-07	0.0655504987060149	1.08497649475785e-05
LUSC	SETDB1	cg26820223	-0.204057096753623	370	-3.99862902782215	7.70125567749089e-05	0.0416392987355174	0.000768781578563744
LUSC	SETMAR	cg00300090	0.0676605453754061	370	1.30093552998595	0.194094506685693	0.00457794940049739	0.375345233496739
LUSC	SETMAR	cg02520519	0.129760899002724	370	2.51047088354683	0.0124852000931053	0.016837890909995	0.0507033647965668
LUSC	SETMAR	cg06021447	-0.0797297032921365	370	-1.53436551961715	0.125799012118192	0.00635682558705212	0.279628746565798
LUSC	SETMAR	cg06267913	-0.211452802318051	370	-4.15021177878733	4.13030356900757e-05	0.0447122876081566	0.000450333336856867
LUSC	SETMAR	cg14751177	-0.098712656076744	370	-1.90293102627007	0.0578297234649397	0.00974418846972554	0.1602252833937376
LUSC	SETMAR	cg14961031	-0.268192140931621	370	-5.34046278690448	1.62694238314781e-07	0.0719270244574867	3.3706086752224e-06
LUSC	SETMAR	cg15232450	-0.288503308256731	504	-6.73088016977156	4.64433536119035e-11	0.0832341588750782	1.95426845228292e-09
LUSC	SETMAR	cg15384599	-0.133867761065694	504	-3.01753952239306	0.00267854754676607	0.0179205774527419	0.0150462075134031
LUSC	SETMAR	cg16423812	-0.0697083808496446	370	-1.34049948412624	0.180909961855164	0.00485925836067909	0.358113306562763
LUSC	SETMAR	cg21901604	-0.253730863208983	370	-5.03207733918762	7.6043796883727e-07	0.0643793509447755	1.33901112149675e-05
LUSC	SETMAR	cg22149154	-0.0776419521824139	370	-1.49394063480371	0.136048049675422	0.00602827273869624	0.295288264506719
LUSC	SETMAR	cg23182840	-0.287726010510973	370	-5.76325395143326	1.74650130960221e-08	0.0827862571245607	4.54557788153879e-07
LUSC	SETMAR	cg23549342	-0.222386926851489	370	-4.37569495105668	1.57872570848223e-05	0.0494559452344497	0.000194852273148765
LUSC	SETMAR	cg24390964	-0.10512384095241	370	-2.0278610182931	0.0432944763481735	0.0110510219365876	0.129784998382714
LUSC	SETMAR	cg26797270	-0.137195317778295	370	-2.65698694931646	0.00822765367390442	0.0188225552202872	0.0367134386777401
LUSC	SETMAR	cg27265118	-0.129786562231057	370	-2.51097589322966	0.0124676608722685	0.016844551735756	0.0506480005168279
LUSC	SFMBT2	cg09060610	-0.0687877071194082	370	-1.32271009335567	0.186753180957745	0.00473174865074548	0.365773585241319
LUSC	SFMBT2	cg12328063	-0.171382923232155	370	-3.33706811684821	0.000933012404674066	0.0293721063755986	0.00633633932860884
LUSC	SFMBT2	cg20299663	-0.141711372225016	370	-2.74621016406165	0.00632494916242542	0.0200821130178971	0.0299076592920272
LUSC	SFMBT2	cg25291138	-0.180834640814842	370	-3.52716036282227	0.000473148120783717	0.0327011673186331	0.00357846440873502
LUSC	SHPRH	cg00571935	-0.168612815741185	370	-3.28153850896816	0.00113113901388608	0.0284302816321709	0.0074370314947126
LUSC	SHPRH	cg02758840	0.196922789319569	370	3.85308126802993	0.000137587973920451	0.0387785849533994	0.00126549052295668
LUSC	SHPRH	cg06708562	0.0811820965558907	370	1.56249999639769	0.119029760868429	0.00659053280120996	0.269227226173127
LUSC	SHPRH	cg11387577	0.0119260782828867	370	0.228798120424856	0.819152921182189	0.000142231343209541	0.902710918851084
LUSC	SHPRH	cg11675148	0.15837524190114	370	3.07699872209161	0.00224755614869126	0.0250827172472447	0.0130570071713306
LUSC	SHPRH	cg12989205	0.144342006275536	370	2.79826358404207	0.00540816019800952	0.0208346147756468	0.0264140139655922
LUSC	SHPRH	cg14102550	-0.0074296969858226	370	-0.142530233970139	0.886739203018452	5.52003973011415e-05	0.939854473608295
LUSC	SHPRH	cg15443174	0.175180085204923	370	3.41331887153689	0.000713177871451	0.0306880622524041	0.00506397868311897

LUSC	SHPRH	cg16339435	0.0797491138690005	370	1.53474145888044	0.125706615388771	0.0063599211628908	0.279496632352138
LUSC	SHPRH	cg18099523	-0.101097043319909	370	-1.94936498578687	0.0520111727779286	0.0102206121680275	0.148499180646903
LUSC	SHPRH	cg26814539	0.195663793440255	370	3.82746325546427	0.000152105556221046	0.0382843200634309	0.00137816208253669
LUSC	SHPRH	cg27398948	0.0814807389563832	370	1.56828626851498	0.117673767060599	0.00663911082087827	0.26717780213969
LUSC	SIN3A	cg01088093	0.0278871715319236	370	0.535176847792647	0.592850815852866	0.000777694336050928	0.755071349057292
LUSC	SIN3A	cg01664094	0.225609915551726	370	4.44248599769063	1.17795074845528e-05	0.0508998339952569	0.000151167107432086
LUSC	SIN3A	cg02028562	-0.102007360285167	370	-1.96710155820097	0.0499223646829826	0.0104055015523479	0.14410448769738
LUSC	SIN3A	cg07544511	0.0889132389090949	370	1.71243396529303	0.0876591052088832	0.00790556405330579	0.216797088876804
LUSC	SIN3A	cg10483776	0.243048453344475	370	4.80660796711964	2.2404435147565e-06	0.0590725506731416	3.49074830336405e-05
LUSC	SIN3A	cg11184237	-0.037463160504974	370	-0.719172877045073	0.472490836412621	0.00140348839502145	0.660537892930139
LUSC	SIN3A	cg15851274	-0.203534299903866	370	-3.9879411635467	8.04133241241938e-05	0.0414262112373567	0.000797979192432272
LUSC	SIN3A	cg22059910	0.285511149224032	370	5.71493545155343	2.26918352125068e-08	0.0815166163312275	5.7738948621331e-07
LUSC	SIN3A	cg25697800	-0.0876688686177815	370	-1.68828092987647	0.0922044957249894	0.00768583052472184	0.224695565593141
LUSC	SIN3B	cg06815056	-0.0691452641802932	370	-1.32961845667123	0.184467604062266	0.00478106755856254	0.362926400202826
LUSC	SIRT1	cg02720207	-0.15522341478492	370	-3.01423575563627	0.00275485546643458	0.0240943084974913	0.0153794868129552
LUSC	SIRT1	cg03211233	-0.211273889124252	370	-4.14653608605206	4.19411795927117e-05	0.0446366562256869	0.000455821755411486
LUSC	SIRT1	cg07832903	-0.204055328366226	370	-3.99859286955741	7.70238282993224e-05	0.0416385770346484	0.000768795445049716
LUSC	SIRT1	cg10582690	-0.0915819978585956	370	-1.76426157053172	0.0785175411130136	0.00838726233177181	0.200208264957718
LUSC	SIRT1	cg10705386	-0.154849997784258	370	-3.00680611922858	0.00282140188381536	0.0239785218137846	0.0156799641484163
LUSC	SIRT1	cg19192316	-0.0285109926818604	504	-0.637146346525366	0.524321724467408	0.0008128767037051	0.703490526779765
LUSC	SIRT1	cg19681528	-0.00307237663095343	370	-0.058938680969305	0.953032940230264	9.43949816242877e-06	0.975208741233452
LUSC	SIRT1	cg19980381	-0.148261713564495	370	-2.87593719454232	0.00426276386303798	0.0219815357090802	0.0218543200185302
LUSC	SIRT1	cg25513531	-0.0837995631708105	370	-1.61322866782797	0.107551995136403	0.00702236678761866	0.251009507384313
LUSC	SIRT4	cg04118464	-0.137644878736431	365	-2.6476888013501	0.00845779175547754	0.0189461126423669	0.0374996030553848
LUSC	SIRT4	cg07106325	-0.0431691190540079	370	-0.82890000591233	0.407698291638741	0.0018635728398991	0.603827449155532
LUSC	SIRT4	cg08264848	-0.166988753572798	370	-3.24901984975235	0.00126462110139807	0.0278852438197966	0.0081602466790114
LUSC	SIRT4	cg12124973	-0.144930872375813	370	-2.80992397241244	0.00522007589111109	0.0210049577676142	0.0256645758625479
LUSC	SIRT4	cg20010714	0.0100908476132406	370	0.19358587653384	0.846606963484262	0.000101825205553643	0.918050489507871
LUSC	SIRT4	cg21068152	0.000995544325529511	504	0.0222387866959763	0.982266367659572	9.9110850409401e-07	0.990768211902571
LUSC	SIRT4	cg21123573	-0.129166504922348	493	-2.87748629137594	0.00418425633874823	0.0166839859938549	0.0215184793823349
LUSC	SIRT5	cg01064902	-0.193874980187689	370	-3.7910983398987	0.000175216974176157	0.0375875079427768	0.00155443371981525
LUSC	SIRT5	cg02206980	-0.204571093392079	370	-4.0091404639342	7.38014200876005e-05	0.0418493322516307	0.000742346479738143
LUSC	SIRT5	cg02712746	-0.0786412149995353	370	-1.51328674512314	0.131065164023602	0.00618444069660314	0.287740815193831
LUSC	SIRT5	cg06139021	0.00675424428596135	370	0.129571826206208	0.896975985754306	4.56198158744416e-05	0.945442592081753
LUSC	SIRT5	cg07534331	-0.0892136462596488	370	-1.71826603226395	0.0865892115233526	0.00795907467894174	0.214936857729665
LUSC	SIRT5	cg07909422	-0.105265394520727	504	-2.36458805618728	0.0184319701986031	0.0110808032836042	0.0683589192234044
LUSC	SIRT5	cg08619119	-0.0354539594698141	370	-0.680552721984079	0.496582499771015	0.00125698324208722	0.681263506852268
LUSC	SIRT5	cg10907941	-0.197968726440328	370	-3.87437904101631	0.000126526499344397	0.0391916166484056	0.00117936765995662
LUSC	SIRT5	cg11824369	-0.0364054318965313	370	-0.698840531244525	0.48509311340528	0.00132535547157298	0.671709895947924
LUSC	SIRT5	cg19366958	-0.0365203941405014	370	-0.701050294964778	0.483714675777539	0.00133373918817757	0.670529213960048
LUSC	SIRT5	cg20150972	-0.0285214709812215	370	-0.547359355172663	0.584463665334585	0.000813474306932659	0.749094129545756
LUSC	SIRT7	cg11691214	-0.124590639816198	370	-2.40883193520918	0.0164943428665409	0.0155228275298096	0.0627585302239893
LUSC	SIRT7	cg12710567	-0.165870838248297	364	-3.20023928821196	0.00149446629654155	0.0275131349811928	0.0093743356775644
LUSC	SIRT7	cg17552093	0.122729702598625	504	2.76245769484773	0.0059485121459403	0.015062579899947	0.0284809548179025
LUSC	SIRT7	cg20397086	-0.101826327767213	369	-1.96090421867547	0.050646099335837	0.010368601026556	0.145692513838409
LUSC	SMARCA	cg03460558	-0.126431003880436	370	-2.4449872114207	0.0149539354068166	0.0159847987422148	0.0582391214537116
LUSC	SMARCA	cg06675660	-0.0962612115037652	370	-1.85522568050196	0.0643634944339758	0.00926622084017261	0.173289929879992
LUSC	SMARCA	cg08617833	-0.268198952617134	370	-5.34060893951956	1.62572564739e-07	0.0719306781849275	3.36988278745157e-06
LUSC	SMARCA	cg12935118	-0.0731949883132572	370	-1.40789981018944	0.160004911951361	0.00535750631417786	0.329759242333012
LUSC	SMARCA	cg17420696	-0.100762266496658	370	-1.94284345671204	0.0527974395077168	0.0101530343495436	0.150077609217455
LUSC	SMARCA	cg18959966	-0.204541904442469	370	-4.00854344568481	7.39803444066087e-05	0.0418373906729522	0.000743857685507008
LUSC	SMARCA	cg24447042	-0.415869276815537	504	-10.2150502268302	2.26047292225197e-22	0.172947255399078	3.66356730236812e-20
LUSC	SMARCA	cg26010110	-0.237670958584438	370	-4.69381744211219	3.78909423024978e-06	0.0564874845544458	5.56692722470352e-05
LUSC	SMARCA	cg27353825	-0.0982447748709482	368	-1.88867006937095	0.059726535704558	0.00965203578944329	0.164118756617583
LUSC	SMARCA	cg04518912	-0.114225304636499	370	-2.20565758137847	0.0280255653565463	0.013047420219301	0.0938698368788066
LUSC	SMARCA	cg13529335	6.74337437740515e-05	370	0.00129360349944756	0.998968554975779	4.54730979938444e-09	0.999495321926944
LUSC	SMARCA	cg14290704	-0.200349520433619	370	-3.92290918072859	0.000104382452247613	0.0401399303379812	0.000999548066242094

LUSC	SMARCA	cg21210735	-0.18291677433081	370	-3.56916972886133	0.00040554172282114	0.0334585463315886	0.00313886307682298
LUSC	SMARCA	cg08405378	-0.100059222867384	370	-1.92915017344941	0.0544808582142711	0.0100118480808247	0.15363894308421
LUSC	SMARCA	cg17218495	0.127984927997275	370	2.4755351301071	0.013753075287041	0.0163801417944678	0.054606580864598
LUSC	SMARCA	cg17747332	0.233546002060697	504	5.3653985563781	1.23859652653595e-07	0.0545437350785353	2.63881438048228e-06
LUSC	SMARCA	cg18522266	-0.128861905480702	370	-2.49278341564434	0.0131134986975663	0.0166053906841175	0.052677451083263
LUSC	SMARCA	cg23892580	0.082285709855811	370	1.58388490589334	0.114078873412132	0.0067709380464747	0.261472363147883
LUSC	SMARCA	cg01278696	0.081594722303447	504	1.82878594953401	0.0680283793674372	0.00665769870777663	0.180590334226597
LUSC	SMARCA	cg01575392	-0.242961489880316	370	-4.80478023770216	2.25978390955725e-06	0.0590302855648627	3.51595258920193e-05
LUSC	SMARCA	cg02782292	-0.112364698689684	370	-2.16926654759215	0.0307021015718125	0.0126258255116234	0.100400995824859
LUSC	SMARCA	cg05358385	-0.0544899967659512	370	-1.04685467149535	0.295853700820653	0.00296915974755337	0.493813139410441
LUSC	SMARCA	cg10878459	-0.245683208749482	370	-4.86204184279335	1.72413568782799e-06	0.0603602390614418	2.77008285210431e-05
LUSC	SMARCA	cg12253543	-0.188244336905177	369	-3.67188788155947	0.000276530549345132	0.0354359303768699	0.00228200037718842
LUSC	SMARCA	cg13848802	-0.321970257537959	362	-6.45255612409428	3.55245963661227e-10	0.10366484673906	1.27315404469873e-08
LUSC	SMARCA	cg13898584	-0.119058697188384	370	-2.30030337001651	0.0219898292215221	0.0141749733761953	0.0782166693090893
LUSC	SMARCA	cg16091845	-0.0236737836629893	504	-0.528980522530875	0.597054177845638	0.000560448032922019	0.758062259655034
LUSC	SMARCA	cg16587443	-0.214659756088626	364	-4.18165952243219	3.63396046836102e-05	0.0460788108840283	0.000402707009509512
LUSC	SMARCA	cg19993723	0.170060975260967	370	3.31055825361401	0.00102318427860688	0.0289207353067113	0.00684004449342126
LUSC	SMARCA	cg20045045	-0.136109811745623	370	-2.63556612334004	0.00875499209654115	0.0185258808534289	0.0384837752942887
LUSC	SMARCA	cg22077701	-0.198279393045854	370	-3.88070760287566	0.000123405349082479	0.0393147177066321	0.00115373100907612
LUSC	SMARCA	cg24607315	-0.261443355631008	370	-5.19607889788762	3.37975605105021e-07	0.0683526282036017	6.4823654397288e-06
LUSC	SMARCB	cg01745726	-0.139068382190891	370	-2.69397204287707	0.00738397033190192	0.0193400149251918	0.033766494598432
LUSC	SMARCB	cg01912455	-0.100850590910242	370	-1.94456397164661	0.0525890435097859	0.0101708416869449	0.149682132694288
LUSC	SMARCB	cg03979008	0.10838441458166	370	2.09149444134232	0.0371688948907488	0.0117471813242092	0.11599690913494
LUSC	SMARCB	cg10122452	-0.219949790836653	370	-4.3252897434226	1.96445455124926e-05	0.0483779104890873	0.000235692130413148
LUSC	SMARCB	cg16142952	0.133966945843125	370	2.59330820452331	0.00988503183648369	0.0179471425785349	0.0422362919035213
LUSC	SMARCB	cg19906397	-0.00181174231026588	504	-0.0404713239906573	0.967733555685363	3.28241019880754e-06	0.983035382413374
LUSC	SMARCC	cg02564102	0.123222863996694	370	2.38197737639523	0.0177274334213986	0.0151838742115478	0.0663693130364446
LUSC	SMARCC	cg02627110	-0.0876349732783926	370	-1.68762313852916	0.0923308963404889	0.00767988854150458	0.224940177562069
LUSC	SMARCC	cg05592996	-0.0648085367634605	369	-1.24416855040451	0.214231559644832	0.0042001464374208	0.400871224575071
LUSC	SMARCC	cg07143957	0.0681667919848083	370	1.31071460155082	0.190771583504155	0.00464671152950012	0.371068497740273
LUSC	SMARCC	cg07304068	-0.0216251127495405	370	-0.414938623113626	0.678428631592412	0.000467645501430339	0.814382350148905
LUSC	SMARCC	cg07474652	-0.117294575883078	370	-2.26574012456028	0.0240477229612463	0.0137580175315912	0.0836958017200786
LUSC	SMARCC	cg12894336	-0.116582603891597	370	-2.25179711437302	0.0249242042633815	0.013591503530145	0.0859998911765059
LUSC	SMARCC	cg16250355	-0.0213860323623927	504	-0.477837060594193	0.632975428827259	0.000457362380205306	0.783704012448877
LUSC	SMARCC	cg20685352	-0.0357067830465391	370	-0.685411943609361	0.493515533395453	0.00127497435553261	0.678812844420638
LUSC	SMARCC	cg22984439	0.0199164227854718	370	0.38213903080057	0.702578825897612	0.00039666389656966	0.829824902176859
LUSC	SMARCC	cg24832353	-0.127942797881774	134	-1.46519245811901	0.145301471188584	0.0163693595298165	0.309136678507991
LUSC	SMARCD	cg02553054	-0.081734639706187	370	-1.57320599421076	0.116530445357984	0.00668055132790019	0.265302003692684
LUSC	SMARCD	cg04550398	-0.109949597563293	370	-2.12206471420562	0.0344998743962735	0.01208891400433	0.109622318702107
LUSC	SMARCD	cg09878554	0.0704142774770267	370	1.35414124957387	0.176522255741021	0.00495817047261171	0.352509815256109
LUSC	SMARCD	cg13349421	-0.119639148515892	370	-2.31168057816169	0.0213469393402998	0.0143135258576077	0.0765353396183651
LUSC	SMARCD	cg17846064	-0.186433839448013	370	-3.64024364388142	0.000311367627851972	0.0347575764913275	0.00252078810117335
LUSC	SMARCD	cg18591973	0.0743385343872465	504	1.66520458612862	0.0964996125415136	0.00552621769484382	0.232166637016735
LUSC	SMARCD	cg20405918	-0.0328686411825545	370	-0.630870733970136	0.528516652596354	0.00108034757318752	0.706912150065003
LUSC	SMARCD	cg22402853	-0.179592039404554	370	-3.50211289637595	0.00051833884916737	0.0322533006174871	0.0038653807929569
LUSC	SMARCD	cg25107077	-0.114576998997619	370	-2.21253889622191	0.027542817383653	0.0131278886993003	0.0926117710729556
LUSC	SMARCD	cg00945038	0.150235952110479	370	2.91511127762011	0.00377320666475081	0.0225708413065421	0.0198078709277026
LUSC	SMARCD	cg02127607	0.135416195095963	370	2.62188371364313	0.00910750253880393	0.0183375458942678	0.0396946076813106
LUSC	SMARCD	cg02360836	0.0546362904914208	504	1.22230801388158	0.22216820596677	0.00298512423866292	0.410683073559519
LUSC	SMARCD	cg04367190	0.141148642022553	370	2.73508294426915	0.0065382813223542	0.0199229391448107	0.0306865674580245
LUSC	SMARCD	cg06420487	-0.238027860189456	370	-4.70128897157617	3.66062159100243e-06	0.0566572622263711	5.401638777182175e-05
LUSC	SMARCD	cg07362569	0.226236930571141	370	4.45549760590941	1.11216253311526e-05	0.0511831487542511	0.000143767982886621
LUSC	SMARCD	cg11697258	-0.0427407847991673	370	-0.820660335688926	0.412371043368045	0.00182677468524873	0.608013209275117
LUSC	SMARCD	cg12577610	-0.116751709783173	504	-2.62599446545386	0.00890499469069781	0.0136309617372943	0.0390240624700397
LUSC	SMARCD	cg15868002	-0.137661603260805	370	-2.66619138131655	0.0080099598724844	0.0189507170123354	0.0359772989792178
LUSC	SMARCD	cg19016967	-0.0846153738052332	370	-1.62904657677392	0.104158850021551	0.00715976148419934	0.245231329174279
LUSC	SMARCD	cg19143629	0.0595241219967782	370	1.14389892709935	0.253409083307526	0.00354312109948733	0.447431106027094

LUSC	SMARCD	cg21254277	-0.216201705595253	370	-4.24793696819999	2.73640186183946e-05	0.0467431775022963	0.000314532574527097
LUSC	SMARCD	cg23682543	-0.260811184200066	370	-5.18259653618477	3.6155877395681e-07	0.0680224738038406	6.88276809899529e-06
LUSC	SMARCD	cg24795630	-0.167330383267027	370	-3.25585804467364	0.00123539475486717	0.02799945716429	0.00800838979582539
LUSC	SMARCD	cg25945412	-0.0124415443634012	370	-0.238688676893674	0.811479859897649	0.00015479202614648	0.898392785064008
LUSC	SMARCD	cg00864064	0.0428253248756679	370	0.822286558434328	0.411446288981928	0.0018340084507065	0.607240656676507
LUSC	SMARCD	cg02917064	-0.0328319464637905	504	-0.733805733892301	0.463411774000675	0.00107793670860121	0.652689567053057
LUSC	SMARCD	cg14795305	-0.0711476814211727	504	-1.5933567105695	0.111713383790649	0.00506199257160868	0.25767577841521
LUSC	SMARCD	cg19786287	-0.0258235683522888	370	-0.495547189626027	0.620509706432519	0.00066685668244533	0.775030302648581
LUSC	SMARCD	cg19902439	-0.0866456802819302	370	-1.66842697426205	0.0960815540536433	0.00750747391151847	0.231430026701378
LUSC	SMARCD	cg22750243	-0.0734593683644907	370	-1.41301268038592	0.158497218170907	0.00539627880050993	0.327641500555033
LUSC	SMARCD	cg22787816	-0.0659874610507482	370	-1.26862400997333	0.205377085813767	0.00435434501592401	0.389614886888739
LUSC	SMNDC1	cg03999743	-0.183619540680162	370	-3.58336000678625	0.000384831387618637	0.0337161357195935	0.00300789440052288
LUSC	SMNDC1	cg08770590	0.0685226026379548	370	1.31758833797507	0.188461184116333	0.00469534707227906	0.36805616702179
LUSC	SMNDC1	cg11559952	-0.0280580631413285	370	-0.538458968749414	0.590585765263519	0.000787254907242779	0.753452540636134
LUSC	SMNDC1	cg12486840	0.0816126542345625	370	1.57084229573466	0.11707865974274	0.00666062533121026	0.26622288249815
LUSC	SMNDC1	cg17981675	-0.0722122640765363	370	-1.38889742290019	0.165703895134233	0.00521461108305942	0.33786251644786
LUSC	SMNDC1	cg18209001	-0.0503790088712663	370	-0.96766572494794	0.333846858158938	0.00253804453485113	0.533433616440045
LUSC	SMNDC1	cg21872391	-0.222617145240616	504	-5.10089239615572	4.8109775988827e-07	0.0495583933550814	8.90471547293553e-06
LUSC	SMNDC1	cg23721301	-0.187060899967114	370	-3.65293060945715	0.00029688863873655	0.0349917802965065	0.00242366739937681
LUSC	SMNDC1	cg26944434	-0.0226327950344077	370	-0.434283531233243	0.664337077215647	0.000512243411069509	0.805031910416431
LUSC	SMYD1	cg00578637	-0.0639989905980344	370	-1.23023553430557	0.219394750877886	0.00409587079756729	0.407350897391208
LUSC	SMYD1	cg00666842	0.0133648391295264	370	0.256404967618036	0.797781430573996	0.000178618924958119	0.889442203162553
LUSC	SMYD1	cg03704645	2.47842209330878e-06	370	4.75443792128058e-0	0.999962090836114	6.14257607260108e-12	0.999966826170583
LUSC	SMYD1	cg14559139	-0.083397682695021	370	-1.60543773320768	0.1092552593456	0.00695517347889941	0.253676251520205
LUSC	SMYD1	cg16090764	-0.0351473432135718	370	-0.674659790627004	0.500315553539196	0.00123533573497261	0.684237212230091
LUSC	SMYD1	cg18148488	-0.0510990180033531	370	-0.981531406052778	0.326975597908096	0.002611109640907	0.526487967538651
LUSC	SMYD1	cg19074493	-0.0815901730911203	370	-1.57040668895853	0.117179911879015	0.00665695634503897	0.266381607212581
LUSC	SMYD2	cg01770831	-0.082140222987435	370	-1.58106544724061	0.114722144505359	0.00674701623242554	0.262474212728458
LUSC	SMYD2	cg04406444	-0.0365803991518971	370	-0.7022037012016	0.482996036226036	0.00133812560211211	0.66995085392116
LUSC	SMYD2	cg11523160	-0.0552644710226687	370	-1.06177903137088	0.289032313665959	0.00305416175741539	0.486573670676387
LUSC	SMYD2	cg14013804	-0.0500622675336613	370	-0.961566512710088	0.336898779178858	0.00250623063061188	0.53649192719725
LUSC	SMYD2	cg27570636	-0.112444377033681	370	-2.17082447591022	0.0305831551525799	0.0126437379264926	0.10012144813112
LUSC	SMYD5	cg01329511	0.00179804800403646	370	0.0344925969496751	0.972503046753235	3.23297662481949e-06	0.985551847469142
LUSC	SMYD5	cg05103132	-0.181637125699885	370	-3.5433455476885	0.000445938654870531	0.0329920454325158	0.0034047847401117
LUSC	SMYD5	cg06754047	0.00598508850686268	504	0.13356511029229	0.893800430741199	3.58212844349797e-05	0.943706714292628
LUSC	SMYD5	cg08834152	0.178715582480169	370	3.48445633337831	0.00055258869052335	0.0319392594212262	0.00408127642557424
LUSC	SMYD5	cg15623359	-0.102594679660496	370	-1.97854750824137	0.0486122417591005	0.0105256682946398	0.141299534277666
LUSC	SMYD5	cg17895873	-0.0881722638788107	504	-1.97732036464693	0.0485553284063053	0.00777434811751462	0.141178321866084
LUSC	SMYD5	cg20402064	0.198781395417152	370	3.89093642275828	0.000118514244989532	0.0395140431639901	0.00111524097915999
LUSC	SMYD5	cg25886337	0.0359519481173279	370	0.690124096023969	0.490551144888658	0.00129254257343103	0.676354248541698
LUSC	SMYD5	cg26467949	-0.150067425611731	370	-2.91176588339062	0.00381291711930544	0.0225202322297325	0.019983355782003
LUSC	SP100	cg05876232	-0.0759092052818086	370	-1.46040469456307	0.145032081632993	0.00576220744651575	0.3086986715935
LUSC	SP100	cg09456094	-0.180588470848785	370	-3.52219686295657	0.000481799121876546	0.0326121958035025	0.00363048051988222
LUSC	SP100	cg11702456	-0.107528496511755	370	-2.0747838035161	0.0387011037834976	0.0115623775620785	0.11951544868141
LUSC	SP100	cg11827097	-0.0687699191819638	370	-1.32236642584567	0.186867426632718	0.00472930178429384	0.365926563482408
LUSC	SP100	cg23539753	-0.436155991524165	504	-10.8270919099149	1.11014859791023e-24	0.190232048942427	2.22012596467424e-22
LUSC	SP100	cg27140170	0.0115013548535283	370	0.220648834994386	0.825488237313601	0.000132281163466778	0.906186837758226
LUSC	SP140L	cg04002454	-0.214934657029699	370	-4.22183246111658	3.05685675192063e-05	0.0461969067924744	0.000346654685362848
LUSC	SP140L	cg05217331	0.0205494548250608	370	0.394290152179462	0.693595223636084	0.000422280093607216	0.8242323540808
LUSC	SP140L	cg13278004	-0.232873159870634	370	-4.59357231316499	5.99312527208404e-06	0.0542299085881337	8.34489327754619e-05
LUSC	SP140L	cg24044052	-0.362954456619753	370	-7.47222825303632	5.79941908778639e-13	0.13173593758014	3.40498119634154e-11
LUSC	SP140L	cg25095994	-0.316439289195434	370	-6.39919501713298	4.75546382847308e-10	0.100133823746512	1.66117640021221e-08
LUSC	SP140L	cg26847438	-0.2264635989027	370	-4.46020278756722	1.08925137292329e-05	0.0512857616279628	0.000141301338137623
LUSC	SSRP1	cg01511567	0.139822021794833	504	3.15437388689427	0.0017054219522537	0.0195501977787946	0.0104441151974828
LUSC	SSRP1	cg01766191	-0.202517239453466	370	-3.96715894377785	8.7438151730759e-05	0.0410132322758525	0.000857127466701444
LUSC	SSRP1	cg02688348	0.0838149338798454	370	1.613526663157	0.107487268648455	0.00702494314128286	0.250888552829006
LUSC	SSRP1	cg04937561	-0.195313841262621	370	-3.82034594004191	0.000156388973403625	0.0381474965887604	0.00141089224132687

LUSC	SSRP1	cg08821673	-0.0403163987043014	370	-0.774031939481813	0.43940887709175	0.0016254120044842	0.63208901968335
LUSC	SSRP1	cg09381635	-0.176441645913025	370	-3.43868683690043	0.000651480132347958	0.0311316544124974	0.00469183904979421
LUSC	SSRP1	cg11948159	0.117454309981318	370	2.26886878691504	0.0238547773995113	0.0137955149331875	0.08321040951563
LUSC	SSRP1	cg12795368	0.213061348808963	370	4.18327832616947	3.5963624209496e-05	0.0453951383562946	0.000399507951128592
LUSC	SSRP1	cg12911972	-0.212225557993337	370	-4.16609272618498	3.86507092056082e-05	0.0450396874655831	0.000424748307944778
LUSC	SSRP1	cg16313264	0.23310026405435	370	4.59830935392776	5.86574087344091e-06	0.0543357331022075	8.19539234031002e-05
LUSC	SSRP1	cg22636253	-0.12320294478213	504	-2.77327350939964	0.00575728666834278	0.0151789656029885	0.0277498363740433
LUSC	SSRP1	cg26706201	-0.140161607215406	370	-2.71557220767818	0.0069280808019347	0.0196452761372056	0.0321504181588492
LUSC	STK31	cg00755064	0.0169526430460867	370	0.325254820888088	0.745173061153875	0.000287392106248031	0.856897800762805
LUSC	STK31	cg05000488	0.0533306429166975	370	1.02451709523085	0.306264081372552	0.0028441574739083	0.504724284147989
LUSC	STK31	cg05407490	0.084410770840894	370	1.62507918192191	0.105001779154559	0.00712517823395392	0.2466446316276
LUSC	STK31	cg11755819	0.0571567265973003	370	1.09825152651494	0.27281270721989	0.00326689139531854	0.469146967649161
LUSC	STK31	cg13313214	0.0672951512296459	370	1.29387790693752	0.196519052269184	0.00452863737902091	0.378628174784731
LUSC	STK31	cg13514718	0.0882234596611169	370	1.69904446566038	0.0901559412978118	0.00778337883457672	0.221060651726352
LUSC	STK31	cg13802883	0.0584246393922967	370	1.12269667530699	0.262298275666584	0.00341343848811991	0.45768552569064
LUSC	STK31	cg14898779	0.0491194052583486	504	1.09857046830556	0.272485233809738	0.00241271597293388	0.468872291063808
LUSC	STK31	cg17102984	-0.00448110177873885	370	-0.0859632997661968	0.93154234257417	2.00802731514165e-05	0.963726860447564
LUSC	STK31	cg17331904	-0.0412999365894626	370	-0.792946698393799	0.428319798518497	0.00170568476229363	0.622537747663627
LUSC	STK31	cg21519371	0.0702165969817727	370	1.35032078111559	0.177742955354719	0.00493037049170069	0.354192870433798
LUSC	STK31	cg25570411	0.104444799690441	370	2.0146172270086	0.0446717581757187	0.0109087161823764	0.132879392632656
LUSC	STK31	cg25612145	0.0515541284402377	504	1.15316547224435	0.249394543013183	0.00265782815923252	0.442944203994601
LUSC	SUV39H	cg05903800	-0.0514720899886414	370	-0.988716496505329	0.323451499563724	0.00264937604779879	0.522858385242451
LUSC	SUZ12	cg00160853	0.00656866152304204	370	0.126011494550805	0.89979164132883	4.31473142042929e-05	0.947175341207411
LUSC	SUZ12	cg01109633	0.174410466451199	370	3.39785159878297	0.000753427335660439	0.030419010807725	0.00530113987682625
LUSC	SUZ12	cg07482957	-0.00527258611066464	370	-0.101147144679017	0.919488739186526	2.78001642943736e-05	0.957598690410407
LUSC	SUZ12	cg08177746	0.0859471910747194	370	1.65487654271757	0.0988021029959517	0.00738691965363433	0.236157274110273
LUSC	SUZ12	cg17335595	-0.317775688887192	370	-6.42924886547068	3.98244454713108e-10	0.100981388447729	1.41465886346811e-08
LUSC	SUZ12	cg25098644	0.11430868713639	504	2.57031031414129	0.0104497110979359	0.013066475954845	0.0441159616406807
LUSC	TAF3	cg00194465	-0.0716868473217023	370	-1.3787394056704	0.168812603470169	0.00513900407892506	0.342074663071978
LUSC	TAF3	cg02334915	0.181633825729333	370	3.54327897616438	0.000446047504457961	0.0329908466490739	0.00340528160567248
LUSC	TAF3	cg03672997	-0.13296385576313	369	-2.57004071751175	0.010562513068939	0.0176793869393984	0.044473919770786
LUSC	TAF3	cg04179819	0.0187358490366884	370	0.359479001566189	0.719442970810286	0.000351032039125577	0.84084113845999
LUSC	TAF3	cg04234156	0.0363161004788845	370	0.697123453416889	0.486165689501903	0.00131885915399244	0.672680237071554
LUSC	TAF3	cg05976695	-0.0470730463669981	370	-0.904019750015991	0.366576336804067	0.00221587169426955	0.565450203629767
LUSC	TAF3	cg07855525	-0.148720303121437	370	-2.88503366317797	0.00414419117500721	0.0221177285605321	0.021353371855114
LUSC	TAF3	cg09871669	-0.0567186154679927	370	-1.08980606194727	0.276511688620992	0.00321700134060602	0.473121680037423
LUSC	TAF3	cg09994553	-0.226714853079758	357	-4.38583717140217	1.52479990820977e-05	0.0513996246069762	0.000189156887353326
LUSC	TAF3	cg11104088	-0.0939082556325974	370	-1.80946899589502	0.0711939651851289	0.00881876047595726	0.186643638458311
LUSC	TAF3	cg12176426	-0.104178595638386	370	-2.00942605149166	0.0452216461643463	0.0108531797891864	0.134094634713519
LUSC	TAF3	cg12590721	-0.0828594029168306	370	-1.59500376978304	0.11156981155437	0.00686568065173367	0.257466759219859
LUSC	TAF3	cg12777293	-0.0430239281807661	370	-0.82610698439026	0.409278664499307	0.00185105839610372	0.605271114559786
LUSC	TAF3	cg27268107	-0.0467539909943012	370	-0.897878945093536	0.36983714563288	0.0021859356738952	0.56850914692073
LUSC	TCEA1	cg01677098	-0.269165812381133	504	-6.24311824764879	9.17954485484464e-10	0.0724502345547955	3.0583019804616e-08
LUSC	TCEA1	cg06047473	-0.23373925617611	370	-4.61164200950555	5.52102514061997e-06	0.0546340398777612	7.77239648551194e-05
LUSC	TCEA1	cg11530293	-0.14981318010022	370	-2.90671938515236	0.0038735417983085	0.022443988931741	0.020241445912839
LUSC	TCEA1	cg11787876	-0.00011254496729986	370	-0.0021589868215408	0.998278548949921	1.26663696645282e-08	0.999036231260181
LUSC	TCEA1	cg12850379	-0.143924796743739	370	-2.7900040788832	0.00554508208784911	0.0207143471177267	0.026935630093171
LUSC	TCEA1	cg23569945	-0.193213907046173	370	-3.7776693019592	0.000184561154793586	0.0373316138760472	0.00162161175468853
LUSC	TCEA1	cg26181865	-0.316596375921373	370	-6.40272548691453	4.6575406412837e-10	0.100233265246547	1.63284685285274e-08
LUSC	TCEA1	cg26358945	-0.19974345402895	370	-3.91054828577587	0.000109645303472751	0.0398974474274154	0.00104301133998033
LUSC	TDRD1	cg00337703	-0.235331486654023	370	-4.64489165604504	4.74410004410319e-06	0.0553809086107927	6.7954800057013e-05
LUSC	TDRD1	cg02635786	-0.675136648428155	361	-17.3405723290553	2.29388416514497e-49	0.455809494050801	1.28381600534739e-46
LUSC	TDRD1	cg16550453	-0.855035059698504	370	-31.6300792899682	5.43857947681156e-107	0.731084953313624	2.11544425909539e-103
LUSC	TDRD1	cg23504215	-0.717543886958504	370	-19.7625493526819	9.11584060639582e-60	0.514869229711518	7.86767183750906e-57
LUSC	TDRD1	cg23825092	-0.224862570456281	370	-4.4269849361149	1.26119860809514e-05	0.0505631755922061	0.000160578861731839
LUSC	TDRD1	cg24203376	-0.662533497798737	370	-16.9680217887074	4.09471237396439e-48	0.438950635705429	2.19685554772542e-45
LUSC	TDRD1	cg26600802	-0.74391204094216	370	-21.3544617828022	2.13985657955967e-66	0.55340512465873	2.21957337000353e-63

LUSC	TDRD1	cg27547703	-0.835960051692122	504	-34.0274474116252	3.92572811462568e-132	0.698829208025095	2.18141494963707e-128
LUSC	TDRD3	cg01557749	-0.19700152338708	370	-3.85468400387544	0.000136724718621492	0.0388096002168304	0.0012588901361629
LUSC	TDRD3	cg03447530	-0.193857553381881	369	-3.78559029157551	0.000179067818057453	0.0375807510032087	0.00158192162593249
LUSC	TDRD3	cg05666423	-0.188285526901513	370	-3.67772116232084	0.00027040516653305	0.0354514396405805	0.0022380997473425
LUSC	TDRD3	cg10765900	-0.0495806165726395	370	-0.952292336217431	0.341573792220054	0.0024582375397231	0.540751515386161
LUSC	TDRD3	cg18522102	0.10334293476982	370	1.99313287886472	0.0469848900083009	0.0106797621668393	0.137896656060083
LUSC	TDRD3	cg19937698	-0.00922422219860713	370	-0.176958790934821	0.859638110606697	8.50862751692766e-05	0.925409080143048
LUSC	TDRD3	cg20944895	-0.21232543547279	370	-4.16814591060828	3.8319892494724e-05	0.04508209054871	0.00042147005750524
LUSC	TDRD3	cg22045829	0.00501250449544121	370	0.0961577162785124	0.923447655442119	2.51252013168183e-05	0.959768696158507
LUSC	TDRD3	cg23103367	-0.174777099839561	370	-3.40521914349744	0.000733998137962011	0.030547034628328	0.00518645344711773
LUSC	TDRD3	cg23767211	0.0613795316360835	370	1.17968787350174	0.238886433328465	0.00376744690386498	0.430682067076585
LUSC	TDRD3	cg26737458	-0.0502634080778212	370	-0.965439667266727	0.334958650677006	0.00252641019159758	0.534540355927771
LUSC	TDRD5	cg05378938	-0.249075965480784	370	-4.93359282070079	1.22511129158627e-06	0.0620388365801849	2.04827654884294e-05
LUSC	TDRD5	cg07171496	-0.239432570444551	370	-4.73071541835663	3.19422979610988e-06	0.0573279557896846	4.77869062997254e-05
LUSC	TDRD5	cg07901138	-0.237168497402526	370	-4.68330212095091	3.97727891629925e-06	0.0562488961601719	5.81048706130674e-05
LUSC	TDRD5	cg09656934	-0.371405453087256	503	-8.92677742945222	8.44450185682256e-18	0.13794201058295	9.08619055946963e-16
LUSC	TDRD5	cg11853788	-0.376587427750167	370	-7.79830198261946	6.52561873950732e-14	0.141818090739487	4.422073033286e-12
LUSC	TDRD5	cg12277666	-0.225713678980467	504	-5.17562548272194	3.2980111531607e-07	0.0509466648788974	6.33814985371984e-06
LUSC	TDRD5	cg13848905	-0.174350916290952	370	-3.39665506840521	0.000756627646422166	0.0303982420114946	0.00531717173674489
LUSC	TDRD5	cg15545772	-0.217801715759995	370	-4.28093354069334	2.37705800120619e-05	0.0474375873879978	0.000278495256243727
LUSC	TDRD7	cg24339935	-0.00423817807722447	370	-0.0813030822891616	0.935245122207878	1.79621534142661e-05	0.965493651574875
LUSC	TDRD9	cg07613153	0.151575601985439	503	3.42208798207513	0.000672582891646422	0.0229751631172482	0.00481661727632714
LUSC	TDRD9	cg08933517	0.0524146294566406	504	1.17246579290439	0.241569524569878	0.00274729338107693	0.433867071165244
LUSC	TDRD9	cg16701547	0.0652700734286752	369	1.25306672181576	0.210979190726091	0.00426018248538465	0.396830637411643
LUSC	TRIM24	cg00733782	0.0409623238605444	370	0.786453693193424	0.432107874471506	0.00167791197605612	0.625903513259656
LUSC	TRIM24	cg02308366	-0.109288697470766	370	-2.1091544504172	0.0356062938757508	0.0119440193948566	0.112280341539123
LUSC	TRIM24	cg06386929	-0.0967185749312703	370	-1.86412340354035	0.0631004363257014	0.00935448273673575	0.17081339493081
LUSC	TRIM24	cg06650216	-0.0417406278198666	370	-0.801422530391901	0.423404233410716	0.00174228001079662	0.61846687697535
LUSC	TRIM24	cg10571650	0.0627596112870642	370	1.20631613293632	0.228470562742037	0.00393876880890339	0.418360770124142
LUSC	TRIM24	cg10703331	0.00539967360547946	504	0.120621330037838	0.904039525295786	2.91564750457116e-05	0.94922258855061
LUSC	TRIM24	cg13935558	0.174554020883789	370	3.40073616960355	0.000745763908689241	0.0304691062066982	0.00525697331574582
LUSC	TRIM24	cg26889928	0.0367039800702538	504	0.820457647306583	0.412347015573672	0.00134718215299759	0.608013209275117
LUSC	TRIM33	cg00760200	-0.0840236795207257	370	-1.61757377590431	0.106611273554752	0.00705997872020161	0.249262687912673
LUSC	TRIM33	cg02852257	-0.0716641753922345	370	-1.37830110945526	0.168947719619362	0.00513575403464896	0.342241983700978
LUSC	TRIM33	cg05792124	-0.0348751285103501	370	-0.66942819086978	0.503642149073507	0.00121627458861343	0.686976616082345
LUSC	TRIM33	cg16036305	-0.0208970611398924	370	-0.4009626954282	0.68868029300802	0.0004366871642844	0.821088416154934
LUSC	TRIM33	cg17645130	-0.00599957939924259	370	-0.11509395945749	0.908433420917022	3.59949529678161e-05	0.951392318508467
LUSC	TRIM33	cg18199720	0.119941779888299	370	2.31761329487073	0.0210182662409561	0.014386030562773	0.0756568112136283
LUSC	TRIM33	cg20932765	-0.262362271400397	489	-5.98150539746097	4.30139504240792e-09	0.0688339614543758	1.259400549225e-07
LUSC	TRIM33	cg20992663	-0.243633144960106	370	-4.818899754746	2.11446094973621e-06	0.059357109323152	3.31704729025567e-05
LUSC	TRIM33	cg21666217	0.108325350478234	504	2.43412867383061	0.015277428055618	0.0117343815562321	0.059243917958165
LUSC	TRIM33	cg21813112	-0.274025937804099	370	-5.46595302418851	8.50733199943878e-08	0.0750902145894158	1.8775018030194e-06
LUSC	TRIM66	cg06492264	0.00776274864731814	370	0.148919825723242	0.88169846969981	6.02602665614396e-05	0.93719992282546
LUSC	TRIM66	cg11245569	0.176667795098977	342	3.30965223425193	0.00103423707174218	0.031211509825134	0.00690384749949472
LUSC	TRIM66	cg12608775	0.0385241441059534	370	0.739570224283711	0.460032319759254	0.00148410967909626	0.64988294986837
LUSC	TRIM66	cg13143389	-0.0198552058439147	370	-0.380963989319113	0.703449801386797	0.000394229199104226	0.830576196352611
LUSC	TRIM66	cg27044202	-0.115994587937057	370	-2.24028427041662	0.0256687282499422	0.0134547444306876	0.0879137556342345
LUSC	UBE2A	cg00142683	0.0714119211764636	370	1.37342464812808	0.170456514664712	0.00509966248611346	0.344266690993035
LUSC	UBE2A	cg00428314	0.0405648374243073	370	0.778809535940006	0.436592418862433	0.00164550603526048	0.629667605357511
LUSC	UBE2A	cg00935924	-0.0469201671607511	370	-0.901077275243407	0.368136558426933	0.00220150208639283	0.567005904821664
LUSC	UBE2A	cg05206294	0.0417560223816782	370	0.801718623053718	0.423233115652993	0.00174356540513921	0.618309802800168
LUSC	UBE2A	cg06206449	0.0357063284896799	370	0.685403206994003	0.493521038480948	0.00127494189421293	0.678812844420638
LUSC	UBE2A	cg06273903	-0.0300540741261989	504	-0.671660567940835	0.502110633325587	0.000903247371583061	0.685813515853128
LUSC	UBE2A	cg09080960	0.0041251166234822	370	0.0791341306602292	0.936968949188877	1.70165871573292e-05	0.966360948228465
LUSC	UBE2A	cg14625604	0.0326493357875293	504	0.72971995249577	0.46590378291779	0.00106597912736684	0.655167456992942
LUSC	UBE2A	cg15661671	-0.00230123385123186	370	-0.0441454362751542	0.964812418906285	5.29567723805544e-06	0.981498323739915
LUSC	UBE2A	cg16211147	0.057079716883368	370	1.09676696493412	0.273460447892982	0.00325809407948545	0.469843678682509

LUSC	UBE2A	cg17976175	0.0674610107886975	370	1.29708143527267	0.195415779308743	0.00455098797663276	0.377140964438323
LUSC	UBE2A	cg18990292	0.0299753581964836	370	0.57528558253234	0.565449744177972	0.000898522099007499	0.734804751954459
LUSC	UBE2A	cg25165659	0.0645130690942363	370	1.24015866306729	0.215706869475899	0.00416193608395771	0.402859274115524
LUSC	UHRF2	cg06523306	0.204911755764328	370	4.01610905174466	7.17431208922903e-05	0.0419888276504195	0.000724264773773013
LUSC	UHRF2	cg08487038	0.0338337113259027	504	0.756220815615308	0.449873667719962	0.00114472002208452	0.640947083492668
LUSC	UHRF2	cg13428749	-0.0644274431611295	370	-1.23850577847563	0.216318024192741	0.00415089543228057	0.403565750342381
LUSC	UHRF2	cg14078101	0.13538643343297	370	2.62129671585186	0.00912290651425457	0.0183294863334189	0.0397439317561696
LUSC	UHRF2	cg20595300	0.133191868333933	504	3.00202822159379	0.00281628335683247	0.0177400737902837	0.0156548729875974
LUSC	UHRF2	cg24119045	0.147460641702129	370	2.86005187894864	0.00447726028473877	0.0217446408512036	0.0227050308232448
LUSC	USP27X	cg00478198	-0.0826239304976002	370	-1.59043983757994	0.112594358695663	0.00682671389087226	0.259308018010314
LUSC	USP27X	cg01125381	-0.0696583516117424	369	-1.33771146855065	0.181818864521985	0.00485228594926514	0.35929628233351
LUSC	USP27X	cg01290688	-0.155696531878636	370	-3.02365096209962	0.00267259314738938	0.0242414100390352	0.0150181819783307
LUSC	USP27X	cg01855997	-0.0727783847093859	370	-1.39984367984075	0.162402578687946	0.00529669328090737	0.333042228032135
LUSC	USP27X	cg06455206	-0.202249385590492	370	-3.96168795189091	8.93820632223358e-05	0.0409048139717314	0.00087387058267166
LUSC	USP27X	cg06624970	-0.0751958286514142	370	-1.44660174127876	0.148859701951217	0.00565441264657285	0.314129707136659
LUSC	USP27X	cg16810342	-0.0772286497171342	370	-1.48594026863536	0.138151093877994	0.00596426433713181	0.298473319434252
LUSC	USP27X	cg16867483	-0.0848529781936114	370	-1.6336541528618	0.103186688944753	0.0072000279083255	0.243532106054489
LUSC	USP27X	cg19318186	-0.0785760818337449	370	-1.51202560293961	0.13138559950411	0.00617420063634338	0.28822433387352
LUSC	USP51	cg00834229	0.00562727195609906	370	0.107951502169157	0.914092994881224	3.1666189667899e-05	0.954650357016337
LUSC	USP51	cg01084827	-0.0241842007008733	366	-0.461540133584023	0.644686824081976	0.000584875563540118	0.791577492860148
LUSC	USP51	cg02714202	0.0352759280065332	370	0.677131069277905	0.498748230830386	0.00124439109672212	0.682983679860921
LUSC	USP51	cg03728850	0.085399968418499	370	1.64426234463023	0.100975979811284	0.00729315460588063	0.239893888332235
LUSC	USP51	cg07386410	0.0516677210227555	370	0.992484371187728	0.32161342740163	0.00266955339568529	0.52108957744163
LUSC	USP51	cg12064531	0.0402360886024362	370	0.772487568269871	0.440321540304821	0.00161894282602309	0.632933738109262
LUSC	USP51	cg12517811	0.0229326953213544	370	0.440041098444265	0.660165671948535	0.000525908514702071	0.802314106693605
LUSC	USP51	cg18770944	0.00567313494781046	504	0.126730274632512	0.899204931680106	3.21844601360684e-05	0.946810751922188
LUSC	USP51	cg21331369	0.0191158197193842	370	0.366772021258679	0.713999876679637	0.000365414563543998	0.837263628923527
LUSC	USP51	cg25424556	0.0223271123914005	504	0.498874271098686	0.618087803521284	0.000498499947738231	0.773233458022259
LUSC	WDR82	cg01736403	0.0868252731240014	370	1.67191140860864	0.0953917949457572	0.00753862805305744	0.230212790321397
LUSC	WDR82	cg03869063	-0.0208323736922641	370	-0.399720964257584	0.689593948864993	0.000433987793654136	0.821564329538788
LUSC	WDR82	cg10989431	0.0879924398322266	370	1.69456062623932	0.0910048078245091	0.00774266946762802	0.222587814245735
LUSC	WDR82	cg11442381	-0.0691793579998073	370	-1.33027721052165	0.184250751051789	0.00478578357326551	0.36267184352578
LUSC	WDR82	cg11665333	-0.040657354946244	370	-0.780588729451318	0.435546234563462	0.00165302051122487	0.628729913559406
LUSC	WDR82	cg12661343	-0.0514576798453151	370	-0.988438960118664	0.323587160682421	0.00264789281506294	0.523023884856186
LUSC	WDR82	cg13539115	0.00587513283217236	370	0.112706534133702	0.910324675548576	3.45171857956696e-05	0.95244099590642
LUSC	WDR82	cg15991175	-0.141327825103486	370	-2.73862575042575	0.00646966352045005	0.0199735541484814	0.0304303222395544
LUSC	WDR82	cg17632831	-0.0236498619015822	370	-0.453809942242842	0.650233135389057	0.000559315967963908	0.795392720372352
LUSC	WDR82	cg24007312	0.153187453475355	370	2.97374352697	0.00313578495099562	0.0234663959022642	0.0170710464994929
LUSC	WDR82	cg26236504	0.108563325807186	370	2.09498803344378	0.0368552036285444	0.0117859957103173	0.115256219290842
LUSC	WDR82	cg26858096	-0.0714904277788032	370	-1.3749427286345	0.169985873416182	0.00511088126399628	0.343648702934271
LUSC	ZMYND1	cg00614684	-0.107377462173262	370	-2.07183554876076	0.0389769496107485	0.0115299193827703	0.120186008879407
LUSC	ZMYND1	cg02813021	-0.17661016989306	504	-4.00817738101651	7.053305595855e-05	0.0311911521096554	0.000714459447296802
LUSC	ZMYND1	cg02867818	-0.273977012906188	369	-5.45746773587494	8.90599870102272e-08	0.0750634036009975	1.95219290771305e-06
LUSC	ZMYND1	cg03254875	-0.142239763017435	370	-2.75666084206949	0.00613033704575917	0.0202321501832562	0.0291808994760931
LUSC	ZMYND1	cg05236965	0.00620708020259862	370	0.119074737481999	0.905281118660764	3.85278446414917e-05	0.949775266143983
LUSC	ZMYND1	cg08828193	-0.285847128148359	370	-5.72225858685434	2.18114924139182e-08	0.0817085806706645	5.57608689072742e-07
LUSC	ZMYND1	cg12639781	-0.0366590198128061	370	-0.70371494583497	0.482055324273059	0.00134388373363571	0.66917475719514
LUSC	ZMYND1	cg13939078	-0.245336717010608	370	-4.85474532358304	1.78486885256708e-06	0.0601901047135433	2.85644788991161e-05
LUSC	ZMYND1	cg14255089	0.157891072486167	504	3.5718224206664	0.000388862838289106	0.0249295907708321	0.00303422223087891
LUSC	ZMYND1	cg14694828	-0.106877900437791	370	-2.06208492302733	0.0399012156934644	0.0114228856019903	0.122270263270862
LUSC	ZMYND1	cg17632565	-0.277338172279949	370	-5.53749128130533	5.84732805398339e-08	0.0769164618035825	1.34422883756378e-06
LUSC	ZMYND1	cg22593633	-0.156860844709297	370	-3.04683031818194	0.00247958522151059	0.0246053246029141	0.0141440719109983
LUSC	ZMYND1	cg24757747	-0.152989480573851	369	-2.96577040924972	0.00321679558889975	0.0234057811662566	0.0174449212996073
MESO	ACTL6A	cg03667091	0.0568856403886669	87	0.525310325084679	0.600735120707448	0.00323597608242873	0.760749263080777
MESO	ACTL6A	cg03839554	-0.0822049998544966	87	-0.760466494197731	0.449080132360906	0.00675766200107779	0.640306076077864
MESO	ACTL6A	cg07261848	-0.192363714849462	87	-1.80725872998041	0.0742599031808956	0.0370037987906853	0.192443949100723
MESO	ACTL6A	cg10112003	0.0153916786811238	87	0.141921077688102	0.887478189125527	0.000236903772622962	0.940239916840677

MESO	ACTL6A	cg20132173	0.0145745486624964	87	0.13438497295479	0.893415856211784	0.000212417468715476	0.943479938073732
MESO	ACTL6A	cg22619386	-0.087569388040711	87	-0.810463323988066	0.419937288794648	0.00766839772182461	0.615249398382017
MESO	ACTL6A	cg25198545	-0.0401015400072115	87	-0.370015567827619	0.712291246797552	0.00160813351094998	0.836297883594041
MESO	ACTL6A	cg25575835	0.0676781445781896	87	0.625395565976492	0.533386983705052	0.00458033125354633	0.710445413755866
MESO	ACTL6B	cg05729836	0.0901786502495866	87	0.83480741006787	0.406166366341427	0.00813218896083726	0.602473140051958
MESO	ACTL6B	cg08572611	-0.165472265558282	87	-1.54690383842991	0.125601728157316	0.0273810706689905	0.279348757512444
MESO	ACTL6B	cg09375063	-0.0999181414571912	87	-0.925832929276721	0.357154011085513	0.00998363499225927	0.556022396205451
MESO	ACTL6B	cg14088161	-0.076635698336093	87	-0.708630195422545	0.480492957786427	0.00587303025946064	0.667776710698108
MESO	ACTL6B	cg16024950	-0.139234069472056	87	-1.29630131871525	0.198380207620923	0.0193861261017493	0.381000095582434
MESO	ACTL6B	cg20497359	0.0669006567680331	87	0.618178520824084	0.538110585018684	0.00447569787599417	0.71386529648102
MESO	ACTL6B	cg24471254	-0.345256371757895	87	-3.3916653605215	0.00105630076132542	0.119201962239426	0.00702701055469044
MESO	ACTL6B	cg26990587	-0.137422556972309	87	-1.27910890094418	0.204339640694975	0.0188849591648074	0.388427562815514
MESO	AEBP2	cg02664216	0.28985247251883	87	2.7921719656983	0.00646563483201566	0.0840144558252791	0.0304177307765981
MESO	AEBP2	cg07849438	0.199980893026529	87	1.88174435154839	0.0632932820588721	0.0399923575756881	0.171156756969129
MESO	AEBP2	cg08161947	-0.130859979076784	87	-1.21693398003436	0.226997435643414	0.0171243341239764	0.416565354511318
MESO	AEBP2	cg24304000	0.138738053448891	87	1.29159249646732	0.199999423271209	0.0192482474747872	0.382928186211525
MESO	AEBP2	cg26259627	0.116793792027981	87	1.08420565961692	0.281339346466003	0.0136407898562753	0.478530610808714
MESO	AFF4	cg00931577	-0.0140050583342217	87	-0.129132922733236	0.897557544410552	0.000196141658944954	0.945799469155508
MESO	AFF4	cg01907658	0.138708994134478	87	1.29131665883918	0.200094578798498	0.0192401850537987	0.383036427029977
MESO	AFF4	cg05619425	0.103957747675217	87	0.963664485739526	0.337947778685387	0.0108072133017042	0.537392369384959
MESO	AFF4	cg06638012	-0.109207608390441	87	-1.01290260888348	0.313981318323271	0.0119263017303598	0.513068920227392
MESO	AFF4	cg13393914	0.235437098612112	87	2.23340472294194	0.0281488279236355	0.0554306274028892	0.09417727161067
MESO	AFF4	cg13565585	0.0294048296046028	87	0.27121641197742	0.786882165951838	0.000864644004075724	0.88256504062943
MESO	AICDA	cg07999668	0.106503285047157	87	0.987528487288009	0.326186403871057	0.0113429497258359	0.525688356253442
MESO	AIRE	cg08089567	0.0487303012462611	87	0.449805559832186	0.65399565592746	0.00237464225955135	0.798057098041142
MESO	AIRE	cg09510531	0.10583432243539	87	0.981255188644502	0.329251654310289	0.0112009038053582	0.528915753513838
MESO	AIRE	cg11923631	0.167692121510323	87	1.56825233978956	0.120537667392026	0.028120647616633	0.271507465281981
MESO	AIRE	cg12843033	0.0783177013232982	87	0.724278184624159	0.470883831572418	0.00613366234056535	0.659302508725937
MESO	AIRE	cg15955655	0.0799916635737943	87	0.739857547943971	0.461425016773093	0.00639866624130308	0.651022847307593
MESO	AIRE	cg16501323	0.158048539292997	87	1.4756828848822	0.14372392885749	0.02497934077265	0.306761943633109
MESO	AIRE	cg16717549	0.155221845899638	87	1.44863266173424	0.151119242001991	0.0240938214444909	0.317305541492656
MESO	AIRE	cg17356252	0.138175862590938	87	1.28625665560591	0.201846098290128	0.0190925690027496	0.385240808890634
MESO	AIRE	cg18689454	0.179326103460522	87	1.68054717866875	0.0965224826634581	0.0321578513823337	0.232178040763151
MESO	AIRE	cg18876487	0.154143694054062	87	1.43832486475547	0.154013743546667	0.0237602784166322	0.321448371890361
MESO	AIRE	cg23272544	0.123127038434174	87	1.14387907541428	0.255884979921364	0.0151602675935706	0.45015434831831
MESO	AIRE	cg27251412	0.113276203501861	87	1.05112049247472	0.296182444722788	0.0128314982797951	0.494144471859418
MESO	ARID1A	cg04081153	0.0654152312433234	87	0.604393164244574	0.547192186822586	0.00427915247861748	0.720580092791812
MESO	ARID1A	cg04360147	-0.0688062209971833	87	-0.635868995197859	0.52657020121006	0.00473429604791323	0.705218073457665
MESO	ARID1A	cg14851949	-0.0964906945438778	87	-0.893770683401268	0.373968269536923	0.00931045413355992	0.572607860341201
MESO	ARID1A	cg17385674	-0.0149493399509444	87	-0.137841507746206	0.890691690393346	0.000223482764968903	0.942175949678306
MESO	ARID1A	cg20413923	-0.037552432352964	87	-0.346460692607168	0.729852709290243	0.00141018517562394	0.84728349648608
MESO	ARID1A	cg21294655	0.089411687203365	87	0.827649966810552	0.410186430267642	0.00799444980855239	0.606078692426229
MESO	ARID1A	cg24542126	-0.0248465414156434	87	-0.229144535371888	0.819307033553498	0.000617350620319281	0.902770183783185
MESO	ARID1A	cg25601319	-0.143334099376978	87	-1.33526254373076	0.185355385031354	0.0205446640442093	0.364019408844015
MESO	ARID2	cg00035453	-0.0388814734816381	87	-0.358740742455028	0.720678566402085	0.00151176898010333	0.841682456007864
MESO	ARID2	cg01183821	-0.106858433901462	87	-0.990859500313973	0.324566505741909	0.0114187248958732	0.523931912925092
MESO	ARID2	cg01353809	-0.129148056231439	87	-1.20074207402385	0.233186762232065	0.016679220428359	0.423954307497859
MESO	ARID2	cg01751433	-0.0851147900182968	87	-0.787577589915829	0.433134536409042	0.00724452747985875	0.626784476250101
MESO	ARID2	cg06613666	0.228438003431415	87	2.16329518047252	0.0333258643178989	0.0521839214117312	0.106755292927594
MESO	ARID2	cg07276957	0.105034582421269	87	0.973757272484636	0.332940115881924	0.0110322635044103	0.532594714327927
MESO	ARID2	cg23465749	0.0583587097878433	87	0.538959279441175	0.591323797329485	0.00340573900810172	0.75400787524904
MESO	ARID4A	cg02136725	0.00129262495313108	87	0.01191742317829	0.990519424211536	1.67087926945714e-06	0.994867514269391
MESO	ARID4A	cg06154646	0.119272620850627	87	1.10754539658116	0.271182521269411	0.0142259580845775	0.467488932559944
MESO	ARID4A	cg08066755	-0.00451045677133487	87	-0.0415847797331307	0.966927232930083	2.03442202860805e-05	0.982596099486947
MESO	ARID4A	cg08790491	-0.298537421599176	87	-2.88389040400981	0.00497499785649353	0.0891245920950843	0.0246685565203683
MESO	ARID4A	cg10064886	-0.0398014162614039	87	-0.36724192562831	0.714351318044011	0.00158415273641355	0.837486383083908
MESO	ARID4A	cg10242170	0.0239813959990838	87	0.221161151410022	0.825497372951798	0.000575107354064871	0.906186837758226

MESO	ARID4A	cg10844118	-0.278398922089802	87	-2.67236163167206	0.00902752049094509	0.0775059598207639	0.039438812212758
MESO	ARID4A	cg12203852	0.205043359672105	87	1.93144397173793	0.0567605370436097	0.0420427793456243	0.158130254217539
MESO	ARID4A	cg14272338	-0.109468828395008	87	-1.01535477965101	0.312818222397967	0.0119834243901757	0.511827712760636
MESO	ARID4A	cg14460816	-0.120729852145182	87	-1.12127592437447	0.265328224847647	0.0145756971989975	0.461014026417169
MESO	ARID4A	cg17323045	-0.00542583603487437	87	-0.0500244728995799	0.960220250513479	2.94396966773412e-05	0.979140587075492
MESO	ARID4A	cg19548283	-0.246135375232625	87	-2.34128457733414	0.021557912282125	0.0605826229409051	0.0771175899239265
MESO	ARID4A	cg20996579	-0.0653784549565484	87	-0.604051916832579	0.5474179712767	0.00427434237250542	0.720769730989297
MESO	ARID4A	cg26429530	-0.208460172929832	87	-1.96507893293185	0.0526710931297004	0.0434556436979353	0.149827958861047
MESO	ARID4A	cg27026909	-0.369049467397586	87	-3.66089118109175	0.000435622059305117	0.136197509386442	0.00333518182084266
MESO	ARID4B	cg05652840	0.233402302969229	87	2.21298498431826	0.0295785168524409	0.0544766350313399	0.0976426604275136
MESO	ARID4B	cg06212607	-0.332303897347366	87	-3.2482827655881	0.00166333391787085	0.110425880192249	0.0102314698194706
MESO	ARID4B	cg06891548	-0.220432420695718	87	-2.08353682178493	0.0402058214229535	0.048590452093774	0.122918009580179
MESO	ARID4B	cg07814876	-0.241459363275991	87	-2.29402334845509	0.0242555650375213	0.0583026241136471	0.0842608478399988
MESO	ARID4B	cg10107779	-0.0505403357425669	87	-0.466555120090144	0.642011783979447	0.00255432553697139	0.789726368497654
MESO	ARID4B	cg11732257	-0.183577934059678	87	-1.7217660653946	0.0887493321167058	0.0337008578736196	0.218707727530633
MESO	ARID4B	cg22596515	0.262509074324803	87	2.50817704453081	0.0140356493831497	0.0689110141028647	0.0554596357229147
MESO	ARID4B	cg23687319	-0.158868654651396	87	-1.48353796182413	0.141630190180037	0.0252392494307447	0.303748319737079
MESO	ARID4B	cg26020585	0.109602521413168	87	1.01660988880854	0.312224026758915	0.012012712700124	0.511232260690851
MESO	ASH1L	cg03119126	0.106104373521835	87	0.98378747110306	0.328012054877963	0.0112581380804611	0.527553561164453
MESO	ASH1L	cg08095278	0.271530798978295	87	2.60111480411852	0.0109582344821703	0.0737289747937912	0.0457955892186924
MESO	ASH1L	cg09410084	0.248866706223684	87	2.36897082739799	0.0201041589009053	0.0619346374666255	0.0731345773924258
MESO	ASH1L	cg10558228	-0.228523812154194	87	-2.16415255044174	0.033257853203503	0.0522231327214855	0.106612058353112
MESO	ASH1L	cg17038116	0.187209684923928	87	1.75705274899582	0.0825097302823797	0.0350474661293163	0.207525443180971
MESO	ASH1L	cg20064047	-0.234486855104839	87	-2.22386491721904	0.0288090372769579	0.0549840852169578	0.0957887868497528
MESO	ASH1L	cg21852905	0.0581907112080031	87	0.537402485624426	0.592393758024381	0.00338615887089321	0.754738668389835
MESO	ASH1L	cg23821590	-0.186590168537672	87	-1.75102819180468	0.0835486630716989	0.034815890994917	0.2092994363044494
MESO	ASH1L	cg24312492	0.0622127423460357	87	0.574686362392176	0.567021380268787	0.00387042531021423	0.735823508992298
MESO	ASH1L	cg26185843	-0.0760581506310533	87	-0.70325857134571	0.483816473543672	0.005784842277416	0.670623450116925
MESO	ASH2L	cg00590869	0.0244198029843699	87	0.225206617634627	0.82235910029513	0.000596326777795443	0.904567103788803
MESO	ASH2L	cg01642070	0.224330427184081	87	2.12231550535392	0.0367209504023618	0.0503241405605922	0.114928774364392
MESO	ASH2L	cg02897270	-0.0602071966050087	87	-0.556091731056726	0.579609094276417	0.00362490652303417	0.745586842386064
MESO	ASH2L	cg03189282	0.00735703846813933	87	0.0678303789499198	0.946079965548465	5.41260150216818e-05	0.971223869620972
MESO	ASH2L	cg03705346	0.114887167756937	87	1.0662675908852	0.289321987621168	0.0131990613152106	0.486848969414487
MESO	ASH2L	cg10062221	0.107118438660436	87	0.993298380770531	0.323383844312761	0.0114743599010496	0.522796677496563
MESO	ASH2L	cg21453287	0.121355192523878	87	1.12717034374308	0.262842392738564	0.0147270827525075	0.458218920327713
MESO	ASH2L	cg24318412	0.0982598586375657	87	0.910316346022574	0.365229933957954	0.00965499981947439	0.564202927305349
MESO	ASH2L	cg27255459	-0.0355820740771415	87	-0.328258380993357	0.743523577111471	0.00126608399563119	0.855914342863626
MESO	ASXL1	cg00174466	-0.033910547281235	87	-0.312819709602721	0.755183859801167	0.00114992521691287	0.8633685035031
MESO	ASXL1	cg04218270	0.0178950288743864	87	0.165010437203465	0.869327568689624	0.000320232058415125	0.930662733821964
MESO	ASXL1	cg09065199	-0.0403615759425003	87	-0.372418813113176	0.71050800649966	0.00162905681256222	0.8351074963004
MESO	ASXL1	cg10421984	-0.0264263376176585	87	-0.243723911830234	0.808031931301377	0.000698351319882472	0.896067569438202
MESO	ASXL1	cg12592359	-0.116939375133804	87	-1.08557584402591	0.280735913219778	0.0136748174566846	0.477961637460961
MESO	ASXL1	cg16926526	-0.0117610057362599	87	-0.108438615190006	0.913903344331405	0.000138321255928338	0.954571403479444
MESO	ASXL1	cg18793288	0.0250877544670398	87	0.2313704908671	0.817583044491968	0.000629395424198476	0.901915873147149
MESO	ASXL1	cg24727216	-0.255636140722479	87	-2.43785107811301	0.0168584361825796	0.0653498364434831	0.0638254421056842
MESO	ASXL2	cg05165989	0.0433982612055233	87	0.400489519096985	0.689800828327971	0.00188340907566283	0.821719097143345
MESO	ASXL2	cg05496738	0.259721388392112	87	2.47960398821822	0.0151269248711216	0.0674551995883263	0.0587510730616094
MESO	ASXL2	cg06583696	0.285444817612474	87	2.74591456013519	0.0073634419031952	0.0814787439018186	0.0336939944366312
MESO	ASXL2	cg09476286	0.114020274696057	87	1.05811557378683	0.29300056440267	0.0130006230417643	0.490690173266447
MESO	ASXL2	cg19084174	0.135616060176204	87	1.26197711329562	0.21040887965792	0.0183917157777159	0.396081369597376
MESO	ASXL2	cg20667782	0.190574420619172	87	1.789811667274	0.0770454467002559	0.0363186097943329	0.197674004175314
MESO	ASXL2	cg24738909	0.0573352644449841	87	0.529476017799279	0.597855463107691	0.00328733254897626	0.758564992582664
MESO	ASXL3	cg09963640	-0.0580266970866747	87	-0.535882658818043	0.59343918296168	0.0033670975747887	0.755469862038667
MESO	ASXL3	cg12361352	0.15128388782316	87	1.41100873671319	0.16189169100344	0.0228868147148905	0.332388551330737
MESO	ASXL3	cg17880622	-0.00977429335670249	87	-0.0901188370766993	0.92840479893799	9.55368106228785e-05	0.962169150301036
MESO	ASXL3	cg20034091	0.0882831541990445	87	0.817120979637706	0.41614371590378	0.00779391531533227	0.611728424575971
MESO	ASXL3	cg20329085	0.028862498077484	87	0.266209989565993	0.790722177987137	0.000833043795272769	0.885085483659443

MESO	ASXL3	cg24880056	-0.0471902311679966	87	-0.435557680105547	0.664261750553489	0.00222691791768896	0.804990787652399
MESO	ASXL3	cg27109877	-0.00259956611567423	87	-0.0239668963543425	0.980935189746292	6.75774398976161e-06	0.990162998755959
MESO	ATAD2B	cg08192560	-0.0794026299806326	87	-0.734374772451039	0.46474144038301	0.00630477764784125	0.653982157501508
MESO	ATAD2B	cg14009731	-0.148288489566627	87	-1.38243633639571	0.170459429879628	0.0219894761379518	0.344266690993035
MESO	ATAD2B	cg15717719	0.294921576915472	87	2.84561121776973	0.00555383738635104	0.0869787365303086	0.0269722991245173
MESO	ATAD2B	cg16929802	0.190926117629602	87	1.79323952880185	0.0764914256732831	0.0364527823931125	0.19670668635177
MESO	ATAD2B	cg17933838	0.0384410741615102	87	0.354671340889258	0.723714269162841	0.00147771618269073	0.843467735175868
MESO	ATAD2B	cg19614157	-0.0924107185582495	87	-0.855646059369575	0.394599138629842	0.008539740904452	0.591336211098975
MESO	ATAD2B	cg20806130	-0.0806898920085385	87	-0.746357729284043	0.457510673429184	0.00651085867234961	0.647696772192497
MESO	ATAD2B	cg27610867	-0.195957015027545	87	-1.84235305692055	0.0689102270088526	0.0383991517385055	0.182210797803802
MESO	ATAT1	cg01245721	0.149955385983311	87	1.39833161279119	0.165651343248039	0.0224866177854036	0.3378075022711
MESO	ATAT1	cg05093836	0.176844044078555	87	1.65653028966868	0.101301584679257	0.0312738159260577	0.240483841273669
MESO	ATAT1	cg06814856	-0.121612482438651	87	-1.12959593750793	0.261824223060795	0.0147895958848912	0.457162820654999
MESO	ATAT1	cg07142893	-0.191601176173893	87	-1.79982108585965	0.0754369621073693	0.0367110107112193	0.194690078299462
MESO	ATAT1	cg07816366	-0.141417662064028	87	-1.31704267313501	0.191363941096174	0.0199989551436557	0.371850351650821
MESO	ATAT1	cg08081524	-0.111813977086274	87	-1.03737917617544	0.302501316805726	0.0125023654718498	0.500846793504122
MESO	ATAT1	cg08188471	-0.154487600942625	87	-1.44161225323161	0.153086000515433	0.0238664188450079	0.32021033987734
MESO	ATAT1	cg08635134	-0.163868782414416	87	-1.53149809399659	0.129359830261102	0.0268529778499833	0.285158367939509
MESO	ATAT1	cg09532691	-0.223477895022962	87	-2.11382514472455	0.0374607116077746	0.0499423695638938	0.116694774308862
MESO	ATAT1	cg12907138	0.0689308613703382	87	0.637026346652567	0.525819709873457	0.00475146364925679	0.704637540651412
MESO	ATAT1	cg13542073	0.167479344978788	87	1.56620499612493	0.121016154526605	0.0280493309945238	0.272239979330925
MESO	ATAT1	cg13964084	0.0206440513404864	87	0.190369318934078	0.849473662973845	0.000426176855748636	0.919736038988842
MESO	ATAT1	cg15381130	-0.016165148836847	87	-0.14905478453717	0.881863479410966	0.000261312036917417	0.937272867235422
MESO	ATAT1	cg15729859	-0.170694155359567	87	-1.5971622089757	0.113940766883735	0.0291364946739158	0.261271827476075
MESO	ATAT1	cg18298197	0.0402133506289256	87	0.371048909400519	0.711524296555852	0.00161711356880491	0.835771657827628
MESO	ATAT1	cg20629923	-0.0405543301195269	87	-0.37420029104299	0.70918716544501	0.00164465369144357	0.834298728959429
MESO	ATAT1	cg22759096	-0.256347547760913	87	-2.44511181813696	0.016545164182882	0.0657140652430335	0.0629007311022508
MESO	ATAT1	cg23328390	-0.133311730926659	87	-1.24014275087282	0.218335156567527	0.0177720176026618	0.406003709095595
MESO	ATAT1	cg26934609	-0.133226339714985	87	-1.23933403375269	0.218632874365382	0.0177492575938526	0.406411608802403
MESO	ATF7IP	cg00236831	-0.14567511808611	87	-1.35753980783124	0.178203099382439	0.0212212400294022	0.354773811463513
MESO	ATF7IP	cg11409060	-0.23812545402162	87	-2.2604308496344	0.0263499888203231	0.0567037318530027	0.0896189922389191
MESO	ATF7IP	cg12526346	-0.13910360648785	87	-1.29506269994324	0.198805180983485	0.0193498133379267	0.381496059433379
MESO	ATF7IP	cg12948116	-0.281835729358506	87	-2.70817938883822	0.00817859803063121	0.0794313783430411	0.0365478641897032
MESO	ATF7IP	cg17439009	0.172897062838591	87	1.61840550693137	0.109280193445128	0.0298933943382118	0.253710856179728
MESO	ATF7IP	cg19789919	-0.0652702875556742	87	-0.603048245115908	0.548082316811699	0.00426021043760039	0.721300839467496
MESO	ATF7IP	cg21275967	0.088763195780318	87	0.821599281537544	0.413603571893703	0.00787890492513507	0.609160853311222
MESO	ATF7IP	cg26637901	-0.200404427945873	86	-1.87476989707099	0.0642997598941336	0.0401619347403127	0.17316816178094
MESO	ATM	cg01756564	-0.157939513136275	87	-1.47463886701997	0.144004017078349	0.0249448898097235	0.307199618959418
MESO	ATM	cg01800843	-0.0315522030652906	87	-0.291041847081654	0.77172831131209	0.000995541518273336	0.873477161296233
MESO	ATM	cg01991180	0.118027829448866	87	1.09582230343589	0.276251699676443	0.0139305685244105	0.472822421997474
MESO	ATM	cg02105423	0.0932944920595161	87	0.863900569575605	0.390073811283689	0.00870386224864312	0.587554012333792
MESO	ATM	cg03165700	-0.292257620544139	87	-2.81749500695206	0.00601771261184901	0.0854145167661218	0.0287362307363687
MESO	ATM	cg03569616	-0.11490170442739	87	-1.06640431061128	0.289260564320976	0.0132024016803194	0.486777198684477
MESO	ATM	cg04709886	-0.138578394272979	87	-1.2900770171988	0.200522632528027	0.0192039713592773	0.383533490887943
MESO	ATM	cg04826772	0.272073174736708	87	2.606725364934	0.0107936313379839	0.0740238124113114	0.0452584356334351
MESO	ATM	cg05033322	-0.32574752051951	87	-3.17650024873713	0.00207791043887821	0.106111447124609	0.012270302465621
MESO	ATM	cg05637308	0.0212077018251963	87	0.195569335039813	0.845414021477333	0.000449766616706434	0.917421861215373
MESO	ATM	cg06053805	-0.0528401202462593	87	-0.487843362223642	0.626916795084169	0.00279207830763914	0.779415485221706
MESO	ATM	cg06081482	-0.211996485980769	87	-1.99996947701533	0.0486965719796681	0.0449425100681943	0.14148650310313
MESO	ATM	cg06750635	-0.0846776784444456	87	-0.783503656157016	0.435509155694879	0.00717030922674092	0.628711387658243
MESO	ATM	cg09808176	-0.0629692686847451	87	-0.581702379992451	0.562306739278968	0.00396512879869162	0.73254246940701
MESO	ATM	cg10610482	-0.203514717179542	87	-1.91642003788033	0.058672310053017	0.0414182401086688	0.162005880892468
MESO	ATM	cg10976287	-0.153966909085889	87	-1.43663519469308	0.154492279118505	0.0237058090934625	0.322057455810262
MESO	ATM	cg11588932	-0.106660683161155	87	-0.989004708823834	0.325467846850604	0.0113765013324043	0.524881330073504
MESO	ATM	cg12019961	-0.187054787372397	87	-1.75554622685557	0.0827685249414414	0.0349894934789326	0.207941050518149
MESO	ATM	cg12106634	-0.0645425387309392	87	-0.596296108455476	0.552562170445218	0.00416573930583479	0.724841857001472
MESO	ATM	cg12848864	-0.268433829799754	87	-2.56912949542588	0.0119407315743278	0.072056720980963	0.0489522171212722

MESO	ATM	cg14761454	0.0698368955572562	87	0.645440255198263	0.520380440973498	0.00487719198107511	0.700694201947504
MESO	ATM	cg15370815	0.248362195948128	87	2.36385232742049	0.0203661753772013	0.0616837803761764	0.0738356309480095
MESO	ATM	cg15504467	-0.267205277726027	87	-2.55646494444635	0.0123512331868856	0.071398660444643	0.0502900727244298
MESO	ATM	cg16693212	-0.245473343600018	87	-2.33458283939698	0.0219235148719329	0.0602571624181726	0.0780521676786943
MESO	ATM	cg16788234	0.0447326291232626	87	0.412827705515522	0.680772347133251	0.00200100810827937	0.815857196610555
MESO	ATM	cg17114932	-0.164305680735001	87	-1.53569442872518	0.128327468111076	0.026996356721792	0.283514343241879
MESO	ATM	cg17420659	-0.108681191504883	87	-1.00796157961697	0.316333695325119	0.0118116013869211	0.515606425874168
MESO	ATM	cg18042593	-0.107369761244039	87	-0.99565601716165	0.322243300334163	0.011528265629602	0.521664661454497
MESO	ATM	cg18391757	-0.0578726676527416	87	-0.534455394152284	0.594421720368381	0.00334924566124469	0.756052333185389
MESO	ATM	cg18457775	-0.103884673481629	87	-0.962979712024775	0.338289312474617	0.0107920253843846	0.537695206220227
MESO	ATM	cg19288979	0.14232872343491	87	1.32570237871213	0.188490193792304	0.0202574655146112	0.368086468655008
MESO	ATM	cg20342375	0.0108521101071991	87	0.100057403557085	0.920534371381952	0.000117768293778773	0.958251497180425
MESO	ATM	cg22477592	-0.1533450675856	87	-1.4306928982473	0.156184345442413	0.0235147097528322	0.324550711043809
MESO	ATM	cg22678707	-0.2833129448739	87	-2.72360933204402	0.00783582639591529	0.0802662247331218	0.0353625872284392
MESO	ATM	cg22837512	-0.0633733375856211	87	-0.585450122558137	0.559796241309025	0.00401617991674109	0.730505672420304
MESO	ATM	cg23275463	-0.178672399999605	87	-1.67421862231875	0.0977636291319218	0.031923826521619	0.23428697445286
MESO	ATM	cg23389069	0.00876362393915609	87	0.0807997233276212	0.935791173239811	7.68011045469498e-05	0.965767453642607
MESO	ATM	cg24030675	0.0737500367932446	87	0.681798445094632	0.497219992317964	0.00543906792700493	0.681706915323729
MESO	ATM	cg24568245	-0.133084248672566	87	-1.23798839010834	0.219128911697831	0.0177114172447414	0.407032110927319
MESO	ATM	cg25400013	-0.0741015426419914	87	-0.685065917532031	0.495166291228906	0.00549103862192286	0.680039793084978
MESO	ATM	cg25740661	0.366648902320453	87	3.63336568124997	0.000477835200008601	0.134431417572793	0.00360420478096485
MESO	ATM	cg25918541	-0.0721621779955949	87	-0.667041444191317	0.506552437560778	0.00520737993306792	0.689572551001056
MESO	ATM	cg27453365	0.0349732438217202	87	0.322634748363703	0.747764143204822	0.00122312778341349	0.858416769537966
MESO	ATM	cg27599391	-0.106477311114956	87	-0.987284887536347	0.326305077864575	0.011337417782271	0.52582188307641
MESO	ATR	cg00911981	0.00962070968061438	87	0.0887026657792243	0.92952687482396	9.25580547586673e-05	0.962671899544514
MESO	ATR	cg00969988	-0.0787377108565787	87	-0.728186577734865	0.468500715876132	0.0061996271109342	0.657457611756371
MESO	ATR	cg11458642	0.0979266877619378	87	0.907199788022415	0.366865901885633	0.00958963617602405	0.565741589614664
MESO	ATR	cg11936145	0.00143338214168268	87	0.013215143953542	0.989487116223561	2.05458436409484e-06	0.994408411418514
MESO	ATR	cg15135999	0.0431077124175306	87	0.397803256854086	0.691772530794705	0.00185827486987252	0.822984084363954
MESO	ATR	cg15291273	-0.0165814209842441	87	-0.152894168004772	0.878844105330383	0.00027494352185673	0.935661671411958
MESO	ATR	cg15480357	-0.0462540347459912	87	-0.426898034634628	0.670532958095301	0.00213943573028336	0.809086749938979
MESO	ATR	cg16031872	0.134535571336431	87	1.25173651213468	0.214099626189291	0.0180998199548198	0.400709879723567
MESO	ATR	cg17945282	0.069184527851028	87	0.639381866047583	0.524293980446559	0.00478649889396967	0.703489701522294
MESO	ATR	cg20032934	-0.141211331688995	87	-1.3150819628086	0.192019140068877	0.0199406401973794	0.372517131733622
MESO	ATR	cg20636078	-0.254184365919459	87	-2.42304714888912	0.0175136291337592	0.0646096918778773	0.0657492165250294
MESO	ATR	cg24631870	-0.00686621175476895	87	-0.0633048367928239	0.949672397056114	4.71448638613273e-05	0.973340408099197
MESO	ATR	cg24856922	0.10550019176375	87	0.978122332573422	0.330789515419321	0.0111302904621881	0.53052075129944
MESO	AURKB	cg02245743	-0.12686904002855	87	-1.17920333576329	0.241607382089805	0.0160957533177658	0.433878224429693
MESO	AURKB	cg04612488	-0.252279226734323	87	-2.40364675173466	0.0184066059574008	0.063644808241668	0.0682876390791187
MESO	AURKB	cg05617798	-0.304100370187303	87	-2.94304972471793	0.00418877986879304	0.0924770351480545	0.0215374713227287
MESO	AURKB	cg05811247	-0.328049478629765	87	-3.20164399593218	0.00192279503163521	0.107616460429261	0.0115187060442807
MESO	AURKB	cg11009596	-0.245820589919191	87	-2.33809757531248	0.02173109508343	0.060427762428219	0.0775704250037786
MESO	AURKB	cg12844497	0.0274333520750978	87	0.253018236335247	0.800865036854671	0.00075258880607627	0.891270684764206
MESO	AURKB	cg13678641	-0.25180280665967	87	-2.39879995256751	0.0186359365432313	0.063404653441687	0.0689542947654759
MESO	AURKB	cg21724796	-0.265884005582781	87	-2.54285956679491	0.0128063657866638	0.0706943044247444	0.0517563727989882
MESO	BAP1	cg00794529	-0.440310091184079	87	-4.52133161855335	1.97507132854238e-05	0.193872976398532	0.000236856326395292
MESO	BAP1	cg02503646	-0.387977048388925	87	-3.8809719221565	0.00020479987881941	0.150526190076582	0.00177122865735154
MESO	BAP1	cg03075736	-0.447442648062735	87	-4.61272407042422	1.39227374714978e-05	0.200204923305392	0.000174891884201146
MESO	BAP1	cg05442719	-0.00459489384151328	87	-0.0423632752596955	0.966308459305464	2.11130494147767e-05	0.982319738170155
MESO	BAP1	cg05908979	-0.0599207631378125	87	-0.553436589553066	0.581417335114343	0.00359049785501783	0.74683850152544
MESO	BAP1	cg09096430	-0.0943108667385709	87	-0.873396132671652	0.384908000258798	0.00889453958498048	0.583046770102088
MESO	BAP1	cg10449522	-0.365042364797802	87	-3.61499159653032	0.00050814435075987	0.133255928097172	0.00379919092965049
MESO	BAP1	cg10956904	-0.418957404325671	87	-4.253933222524	5.37486683555107e-05	0.175525306639304	0.000564662242545388
MESO	BAP1	cg11234564	-0.165289318075947	87	-1.54514550369444	0.126026232670009	0.0273205586700116	0.279996708391565
MESO	BAP1	cg12859382	0.214669047847446	87	2.02639242395405	0.0458597759039904	0.046082800103729	0.135460204528801
MESO	BAP1	cg16841708	-0.0481389770274781	87	-0.444334579284913	0.657929950329544	0.00231736110925207	0.800923285438331
MESO	BAP1	cg24291822	-0.474962971747015	87	-4.97603802799718	3.34832727506854e-06	0.225589824530756	4.98239808792429e-05

MESO	BAP1	cg24747396	-0.107681010419131	87	-0.998576087653204	0.32083437748246	0.011595200004885	0.52027160198175
MESO	BAP1	cg25749966	-0.387806429598814	87	-3.87896301171105	0.000206240430258679	0.15039382683818	0.00178032268437013
MESO	BAZ1A	cg05294307	-0.0987375810701422	87	-0.914785612568966	0.36289199724102	0.00974910991558291	0.561885636474093
MESO	BAZ1A	cg07414384	-0.250824153704767	87	-2.38884958684208	0.0191147346861956	0.0629127560817126	0.0702646916872798
MESO	BAZ1A	cg23422263	-0.288030380521096	87	-2.77302622331921	0.00682433157469034	0.0829615001031274	0.0317538160488941
MESO	BAZ1A	cg26967526	0.118622179698797	87	1.1014190687198	0.273823457647867	0.0140712215164936	0.470228517345273
MESO	BAZ1B	cg00525989	0.12545679553489	87	1.16586591255728	0.246929669518405	0.0157394075458833	0.440123876426586
MESO	BAZ1B	cg04742505	0.251287964030374	87	2.39356435963829	0.0188865184291791	0.0631456408665305	0.0696739891504872
MESO	BAZ1B	cg05166819	0.207906486590619	87	1.95962340136723	0.0533168554894146	0.0432251071664552	0.15117292181884
MESO	BAZ1B	cg06059318	0.231241639789007	87	2.19133578074292	0.0311633122109192	0.0534726959723087	0.101537892031171
MESO	BAZ1B	cg06394887	0.147357196222526	87	1.37356091693432	0.17319002307408	0.0217141432785641	0.34809829879925
MESO	BAZ1B	cg14093368	0.0819768254950737	87	0.758341385362776	0.45034420177144	0.00672019991824976	0.641186135052775
MESO	BAZ1B	cg15636799	0.207967537470468	87	1.96022484561812	0.0532453349954185	0.0432504966415304	0.151025179226076
MESO	BAZ1B	cg19160975	0.0657022622878175	87	0.607056612331733	0.545431544352462	0.00431678726973716	0.719308711138609
MESO	BAZ1B	cg20612831	0.119943049862321	87	1.11386149868431	0.268478424691809	0.0143863352102753	0.464278168743817
MESO	BAZ1B	cg21340129	0.247304360847756	87	2.35312672969123	0.0209250714378263	0.061159446894317	0.0753975240508965
MESO	BAZ1B	cg25710357	0.271077017841948	87	2.59642275894659	0.0110976294501619	0.0734827496020837	0.0462478016964971
MESO	BAZ2A	cg14634319	0.15334860461188	87	1.43072669302181	0.156174682102202	0.0235157945364106	0.324550711043809
MESO	BAZ2A	cg18206859	0.201710730720498	87	1.89870874290369	0.0609956595420753	0.0406872188877973	0.166599829310308
MESO	BAZ2A	cg18955060	-0.156543366418766	87	-1.46127445302462	0.147627140609716	0.02450582556972	0.31240154987738
MESO	BAZ2A	cg25683012	0.0639566260233842	87	0.590860638216252	0.556181688848093	0.00409045001229503	0.727603552824486
MESO	BRD7	cg03021120	-0.176676130563144	87	-1.65490671002649	0.101631462694339	0.031214455110765	0.241046280757421
MESO	BRD7	cg16433860	-0.416784591715755	87	-4.22721863696772	5.92918009942206e-05	0.173709395891669	0.000615529340600616
MESO	BRD7	cg16834187	0.220942127001368	87	2.08860153909506	0.0397350444624076	0.0488154234838886	0.121894366144958
MESO	BRD8	cg01096096	0.17291329841657	87	1.61856216396876	0.109246402877811	0.029899008769298	0.253676251520205
MESO	BRD8	cg03204906	-0.226899127166609	87	-2.14792828752035	0.0345655452956055	0.0514832139089688	0.109799592924718
MESO	BRD8	cg03684156	0.138468268042683	87	1.28903176267808	0.2008840918071	0.0191734612547404	0.38399825633441
MESO	BRD8	cg07430605	0.250474594420234	87	2.38529737099556	0.0192882950984262	0.0627375224499809	0.0707689302875521
MESO	BRD8	cg07632946	-0.138785903264252	87	-1.2920467052211	0.199842808460153	0.0192615269448743	0.382764217697178
MESO	BRD8	cg08976717	0.10435010566094	87	0.9673415180369	0.336117699681599	0.0108889445514493	0.535686723121984
MESO	BRD8	cg11110536	-0.101450773698845	87	-0.940180724049841	0.349789069731926	0.0102922594840942	0.548862214908336
MESO	BRD8	cg11346339	-0.0843840342978409	87	-0.780767112502333	0.437108518118669	0.00712066524437919	0.630045881016224
MESO	BRD8	cg12964860	-0.0685551067894901	87	-0.633537358434265	0.528083853631441	0.00469980266691839	0.70652242682607
MESO	BRD8	cg14473243	0.224630319849906	87	2.12530335253993	0.0364636500799676	0.0504587805958713	0.114385789520585
MESO	BRD8	cg22106577	0.00172503389263496	87	0.0159040503266773	0.987348210072975	2.97574193073933e-06	0.993284226141543
MESO	BRD8	cg22818036	0.16480867526519	87	1.540526756876	0.127146728221861	0.0271618994426669	0.281882376041364
MESO	BRD8	cg23298160	-0.101953539377515	87	-0.944888852092058	0.347393841616047	0.0103945241916024	0.546669562963808
MESO	BRD8	cg26008208	-0.27241549927597	87	-2.61026789320499	0.0106908556786805	0.0742102042457763	0.0449049417778345
MESO	BRD8	cg26630792	0.102325401345056	87	0.948371608337031	0.345628862607421	0.0104704877604267	0.544917247384264
MESO	BRD8	cg27119451	-0.0642542261066924	87	-0.593621375850516	0.554341823494	0.00412860557256995	0.726037810274798
MESO	BRD9	cg02364331	-0.188924545211578	87	-1.77374045891784	0.0796874775313803	0.0356924837834016	0.202466105859689
MESO	BRD9	cg02822723	0.0263365093559952	87	0.242894870834765	0.808672015404656	0.000693611725058421	0.896547346640109
MESO	BRD9	cg05193570	-0.0353075403150891	87	-0.325722527426383	0.745434796089969	0.00124662240310164	0.857002825017888
MESO	BRD9	cg07308931	-0.301513542765225	87	-2.91549932845549	0.00453944558668787	0.0909104164708372	0.0229431932153584
MESO	BRD9	cg09497020	-0.285751745433471	87	-2.7491295089756	0.0072975408978568	0.0816540600182755	0.0334601981791373
MESO	BRD9	cg10551270	-0.458038406344362	87	-4.7505360733327	8.16124088850545e-06	0.209799181686483	0.00010929515814777
MESO	BRD9	cg10600960	-0.246166101067422	87	-2.3415956991856	0.0215410714993647	0.060597749314736	0.077075067437291
MESO	BRD9	cg13722821	-0.303366981807993	87	-2.93523169846431	0.00428565895861977	0.0920315256512913	0.0219485551696423
MESO	BRD9	cg17977043	-0.302950334154115	87	-2.93079273453676	0.00434158165674624	0.0917789049640897	0.0221707367339449
MESO	BRD9	cg20079193	-0.232462054806399	87	-2.20355974049382	0.0302595956056262	0.0540386069248133	0.099321335831572
MESO	BRD9	cg21160852	-0.0930949267225897	87	-0.862036435157556	0.391092959430526	0.00866666538148434	0.588269024651257
MESO	BRD9	cg21758832	-0.327531068799948	87	-3.19597597684304	0.00195678664812886	0.107276601029236	0.0116845456328321
MESO	BRD9	cg21910709	-0.117694845914409	87	-1.09268724933865	0.277618401879304	0.0138520767548166	0.474410112375858
MESO	BRD9	cg24953233	-0.099635085834154	87	-0.923183824734945	0.35852463085689	0.00992715032917924	0.557497953844388
MESO	BRD9	cg25523559	-0.0166222958833365	87	-0.153271171809126	0.878547717319189	0.000276300720433187	0.935486950562272
MESO	BRD9	cg25951128	-0.343044608794914	87	-3.36702934844738	0.00114302789999369	0.117679603623256	0.00750322440740099
MESO	BRD9	cg26504197	-0.110805877299619	87	-1.02790950800646	0.306908640602046	0.0122779424441381	0.505390347296802

MESO	BRDT	cg00308185	0.121852075084723	87	1.13185489855457	0.260878496734886	0.0148479282024529	0.456128446453103
MESO	BRDT	cg01515515	-0.26165103132119	87	-2.49937518675764	0.0143640300079698	0.0684612621914426	0.0564646463082365
MESO	BRDT	cg02935097	-0.130746259552992	87	-1.21585804323726	0.227404976608026	0.0170945843870984	0.417059678202481
MESO	BRDT	cg03421440	-0.157887612162445	87	-1.47414189063871	0.144137495016402	0.0249284980743588	0.307341088896666
MESO	BRDT	cg06442199	-0.167020001505812	87	-1.56178594356769	0.122054091474286	0.0278956809030013	0.273839717507118
MESO	BRDT	cg09250199	0.0768894498041477	87	0.710990499734335	0.47903661067264	0.00591198749118455	0.666455176255295
MESO	BRDT	cg13299824	-0.15045005478036	87	-1.40305104121935	0.164243965346279	0.0226352189834134	0.335711903314462
MESO	BRDT	cg14732540	-0.116345460708229	87	-1.0799865447546	0.283203080773755	0.01353626622741	0.480533512164402
MESO	BRDT	cg19245011	-0.156776121624098	87	-1.4635018426383	0.147018413738017	0.024578752311494	0.311520141590001
MESO	BRPF1	cg04879506	0.0299003325087129	87	0.275790755007194	0.7833781689207	0.000894029884131595	0.880475637838863
MESO	BRPF1	cg13694772	0.0975935104432842	87	0.904083477745484	0.36850638076888	0.00952449328064343	0.56734915366491
MESO	BRPF1	cg14712964	0.063088431956598	87	0.582807590429903	0.56156581755589	0.00398015024674229	0.731962522802474
MESO	BRPF1	cg17738494	0.143221283286388	87	1.33418956082751	0.185705252198763	0.0205123359861997	0.364455062350131
MESO	BRPF1	cg20952324	-0.0438972192054804	87	-0.405102861917331	0.686419661119896	0.001926965853974	0.819519844282975
MESO	BRPF1	cg25467642	0.0293795504913031	87	0.270983047728461	0.787061044000015	0.00086315798707103	0.882689312587394
MESO	BRPF1	cg26227975	-0.110550055836908	87	-1.02550694032268	0.308033681632517	0.0122213148455435	0.506612530029877
MESO	BRPF3	cg01499736	-0.048556086679862	87	-0.448193663262973	0.655153793845868	0.00235769355366227	0.798984016852642
MESO	BRPF3	cg05882415	0.0116380406301025	87	0.107304700119441	0.914800126402812	0.000135443989707917	0.954980253482583
MESO	BRPF3	cg10562781	0.0768431626924235	87	0.710559943424781	0.479302088062686	0.00590487165257426	0.666673136933058
MESO	BRPF3	cg14654948	0.187020050882041	87	1.75520840094884	0.0828266494424967	0.0349764994319212	0.208066919617979
MESO	BRPF3	cg18779695	-0.0761142372427429	87	-0.703780187331642	0.483493185349253	0.00579337711104455	0.670361110466348
MESO	BRPF3	cg23517469	0.0929357307873425	87	0.860549465388341	0.391907085149825	0.0086370500569774	0.589003898267947
MESO	BRWD3	cg03164831	-0.0308604932156441	87	-0.284655270039766	0.776600625640882	0.000952370041512815	0.87638711459703
MESO	BRWD3	cg05835545	-0.042258639830276	87	-0.389953752477541	0.69754618136797	0.00178579264030498	0.826595341881637
MESO	BRWD3	cg09523186	-0.0450523605297282	87	-0.415784417116494	0.678615606661194	0.00202971518930062	0.814466076583446
MESO	BRWD3	cg11957438	0.026784461390108	87	0.24702915871864	0.805481327628898	0.000717407371958183	0.894330790509238
MESO	BRWD3	cg15511898	0.00544039923335587	87	0.0501587449006961	0.960113567087441	2.95979438182991e-05	0.979105654296394
MESO	BRWD3	cg22618269	-0.0388100912661868	87	-0.358081138500756	0.721170316828914	0.00150622318408975	0.842027089867068
MESO	BRWD3	cg25063710	-0.0061628810911705	87	-0.0568200352591178	0.954821909587309	3.79811033439069e-05	0.975986645570514
MESO	BRWD3	cg25708850	-0.0752379102287711	85	-0.687398337679461	0.493748113535599	0.00566074313559262	0.679041133267129
MESO	CARM1	cg12317676	-0.129001751348269	87	-1.19935878495024	0.233721115870913	0.0166414518509205	0.424617012799201
MESO	CARM1	cg17918830	-0.165544213792096	87	-1.54759538829191	0.125435082305756	0.0274048867200431	0.279097811769412
MESO	CARM1	cg22378614	-0.342564273035624	87	-3.36168747835164	0.0011626966889838	0.117350281160426	0.00761114323652015
MESO	CARM1	cg26504915	-0.282033827500537	87	-2.71024736312439	0.0081318793415197	0.0795430798546025	0.0363820693290881
MESO	CBX1	cg01544580	0.0325154653774458	87	0.299936375216783	0.764957960311155	0.00105725548871188	0.869558997668566
MESO	CBX1	cg01553295	0.132462094990692	87	1.23209732703302	0.22131018470182	0.0175462066093231	0.409672083030555
MESO	CBX1	cg02835499	0.105160905770637	87	0.974941482290878	0.332355767159417	0.0110588161025008	0.53207837652336
MESO	CBX1	cg04864609	-0.115801959813816	87	-1.07487271401141	0.285473432191929	0.0134100938967207	0.482673966096248
MESO	CBX1	cg11729481	-0.0162020851140357	87	-0.149395454014931	0.881595498249249	0.000262507562042458	0.937154494148863
MESO	CBX1	cg12245530	-0.0988833578017952	87	-0.916149533780211	0.362180413744634	0.00977791845015786	0.561113060735032
MESO	CBX1	cg13342109	0.126984064795204	87	1.18028996462559	0.241177411391888	0.0161249527119125	0.433374336389841
MESO	CBX1	cg17778721	0.0682034335770376	87	0.630272218009842	0.530207304127508	0.00465170835169738	0.708150723093351
MESO	CBX1	cg21511817	-0.154435193516892	87	-1.44111125867493	0.153227107513934	0.0238502289965998	0.320399677506155
MESO	CBX4	cg04398978	0.0409693275883837	87	0.3780359343035	0.7063463274204	0.0016784858030443	0.832543047109824
MESO	CBX4	cg04925705	0.0675751456295934	87	0.624439410827712	0.534011565330846	0.00456640030686076	0.710937052287159
MESO	CBX4	cg05949524	-0.227044324661474	87	-2.14937747204251	0.0344469482935326	0.0515491253609849	0.109485450872164
MESO	CBX4	cg07159673	-0.058483044997786	87	-0.540111487128537	0.590532485083387	0.00342026655221306	0.753449822082405
MESO	CBX4	cg10756274	0.00050664355596799	87	0.00467102338774498	0.99628402145203	2.56687692803889e-07	0.998170169676088
MESO	CBX4	cg21365914	-0.101593074326951	87	-0.941513218277848	0.349110092575029	0.0103211527512015	0.548194875898869
MESO	CBX4	cg22353329	0.0954523801962603	87	0.884064101789993	0.379155409008026	0.00911115688513143	0.577707579536016
MESO	CBX4	cg27487227	-0.0269363224883766	87	-0.248430765444096	0.804400365142644	0.000725565469197822	0.893594396691468
MESO	CBX5	cg03689456	0.0153562558813106	87	0.141594379790297	0.887735462384767	0.000235814594692286	0.940340575702739
MESO	CBX5	cg05754589	-0.076407668701099	87	-0.706509264465012	0.481803699353794	0.00583813183633691	0.668964946501438
MESO	CBX5	cg06399839	-0.170250464653783	87	-1.59288656279068	0.114897789698637	0.028985220714829	0.262753796572865
MESO	CBX5	cg06621757	0.0907631181284956	87	0.840262778794803	0.403118429687071	0.00823794361240724	0.599621321588451
MESO	CBX5	cg08288469	0.0323984560077924	87	0.298855895224783	0.765779438790656	0.00104965995168886	0.870078379588329
MESO	CBX5	cg09060496	-0.0214356606875746	87	-0.197672445912381	0.84377330647356	0.000459487549112829	0.916574748360038

MESO	CBX5	cg09158487	-0.138865435379015	87	-1.29280167489681	0.199582690588139	0.0192836091430033	0.382395188165629
MESO	CBX5	cg09653879	-0.12263128790916	87	-1.13920297333079	0.257818827363452	0.0150384327742592	0.452295749662442
MESO	CBX5	cg11005091	-0.117835361527231	87	-1.09401016414535	0.277041117067611	0.0138851724262532	0.473829540753165
MESO	CBX5	cg11338003	-0.0310559940246433	87	-0.286460292726203	0.775222658842722	0.00096447476485868	0.875473925378238
MESO	CBX5	cg12263485	0.105791479584946	87	0.980853469302478	0.329448586965275	0.011191837152772	0.529123530662235
MESO	CBX5	cg12600134	0.00635923498078553	87	0.0586304351352839	0.953384087573188	4.04398695408463e-05	0.975375614264448
MESO	CBX5	cg13445218	-0.196898991788369	87	-1.85156566650206	0.0675605274649195	0.0387692129672762	0.179648744654291
MESO	CBX5	cg14017196	-0.0610215886782298	87	-0.563641626031399	0.574482087307301	0.00372363428481506	0.741692393751388
MESO	CBX5	cg14394617	0.104632642448852	87	0.969989629845948	0.334803747866892	0.0109479898658292	0.534380852719675
MESO	CBX5	cg15708001	-0.0275679526148802	87	-0.254260601106465	0.79990832065323	0.000759992011376281	0.890779408183707
MESO	CBX5	cg20545544	-0.0790728667305027	87	-0.731305646060349	0.46660377056034	0.00625251825297984	0.655879114754464
MESO	CBX5	cg20927027	0.155008708716658	87	1.44659451940078	0.151688195910927	0.0240276997780058	0.318130954969796
MESO	CBX5	cg21826008	0.110217108115802	87	1.02238034420364	0.309501914141027	0.0121478109214103	0.508144100388051
MESO	CBX5	cg24505978	0.166711698912503	87	1.55882054654334	0.122754559050448	0.0277927905542931	0.274950137244344
MESO	CBX5	cg25817259	-0.101036589039168	87	-0.936302656200179	0.351770002398388	0.0102083923246698	0.550686045468613
MESO	CBX6	cg03028106	-0.273993422566688	87	-2.62661082421815	0.0102280888113337	0.0750723956098074	0.0433544347512064
MESO	CBX6	cg04134624	0.124703196878127	87	1.15875177941981	0.249802501151355	0.0155508873116248	0.443420539172461
MESO	CBX6	cg04215348	-0.0757774254739876	87	-0.700647875647346	0.48543632786884	0.00574221821146574	0.672053560831232
MESO	CBX6	cg04801716	0.00114905241171106	87	0.0105937467871075	0.991572395941545	1.32032144485899e-06	0.995552353030685
MESO	CBX6	cg06060673	-0.0933259329113462	87	-0.864194267294517	0.389913392628885	0.0087097297537731	0.587426118213132
MESO	CBX6	cg09913544	0.140575663448145	87	1.30904245100014	0.194047877006314	0.0197615171538862	0.375264388192736
MESO	CBX6	cg14498989	0.118363374005578	87	1.09898184888492	0.274879051885883	0.0140098883059843	0.471375310534782
MESO	CBX6	cg24649346	-0.00236790823942779	87	-0.021831096487644	0.98263385585676	5.60698943035e-06	0.991003256316953
MESO	CBX6	cg25836955	0.0338559449578314	87	0.312315432882978	0.755565698068638	0.00114622500898771	0.863645844124048
MESO	CBX7	cg00545295	0.0711563104953144	87	0.657695910700797	0.512510754094605	0.00506322052330559	0.69436192274531
MESO	CBX7	cg01525244	-0.0107564512633911	87	-0.0991753181453334	0.921232593034805	0.000115701243781707	0.95873457669529
MESO	CBX7	cg02523424	-0.0968102685714585	87	-0.896758781617349	0.372380484243524	0.00937222810087792	0.570995601267989
MESO	CBX7	cg03804568	0.0982310798442814	87	0.910047130304401	0.36537106955345	0.00964934504737359	0.56431074026857
MESO	CBX7	cg10339854	-0.0688139029428248	87	-0.635940325239937	0.526523930731772	0.00473535323822451	0.705168606576505
MESO	CBX7	cg22268271	-0.144483493726734	87	-1.34619735899376	0.181818122921078	0.0208754799594831	0.35929628233351
MESO	CBX7	cg26672614	-0.00655032733239437	87	-0.0603923296851768	0.951984936761827	4.29067881615127e-05	0.974623503631536
MESO	CBX7	cg27062573	-0.073632349176824	87	-0.680704520328774	0.497908586117651	0.00542172284529773	0.68220614583882
MESO	CDYL2	cg01442398	-0.141393547512078	87	-1.31681350903424	0.191440433002892	0.0199921352780501	0.3719096013085
MESO	CDYL2	cg02461391	-0.147350588304368	87	-1.3734979554718	0.173209511845836	0.0217121958736433	0.3481109302111
MESO	CDYL2	cg06919916	-0.0648281850721111	87	-0.598946253301708	0.550801695294828	0.00420269357974389	0.72328866486219
MESO	CDYL2	cg10112854	0.100618114943687	87	0.932384925289817	0.353778522479132	0.0101240050548211	0.552797442906864
MESO	CECR2	cg03927893	-0.125659279557136	87	-1.1677777541203	0.246161659874038	0.0157902545388184	0.439197747081348
MESO	CECR2	cg12632097	-0.0854597420722583	87	-0.790792908837061	0.431265781597135	0.00730336751505691	0.625231557233022
MESO	CECR2	cg13466481	-0.0855140832462844	87	-0.791299452288399	0.430971811151002	0.00731265843345246	0.624967771626609
MESO	CECR2	cg26796679	-0.131719138277647	87	-1.22506434277264	0.223934961870627	0.017349931388606	0.412990123690744
MESO	CHAF1A	cg03006338	-0.0396678620217862	87	-0.366007694546992	0.715268702918436	0.00157353927737947	0.838088996490361
MESO	CHAF1A	cg04346879	-0.194369682044925	87	-1.82684079404692	0.0712337765406338	0.0377795732982452	0.186722838877352
MESO	CHAF1A	cg05297461	-0.231616999252428	87	-2.19509430094543	0.0308829674497438	0.0536464343426994	0.100818697850834
MESO	CHAF1A	cg07783855	0.00775003044910118	87	0.0714538961697657	0.943204373230691	6.00629719619954e-05	0.969718299567398
MESO	CHAF1A	cg09700233	-0.081648037649418	87	-0.755279420807108	0.45216913933957	0.00666640205200078	0.642672671936685
MESO	CHAF1A	cg18804734	0.0429867869074224	87	0.39668527262829	0.692593753467183	0.00184786384862414	0.823520289444961
MESO	CHAF1A	cg23811775	0.00704323194057881	87	0.0649370006878357	0.948376641166761	4.96071161687896e-05	0.972580511256914
MESO	CHAF1A	cg24085258	-0.175069204038364	87	-1.63937662870589	0.104831028464577	0.0306492262026265	0.24635909217815
MESO	CHAF1B	cg00660452	0.249153393130465	87	2.37188031988997	0.0199565600211773	0.0620774133084241	0.0726860166809058
MESO	CHAF1B	cg02544117	0.110142418026954	87	1.02167900347275	0.309831905048937	0.0121313522488242	0.508566876002623
MESO	CHAF1B	cg02908490	0.0184641463026989	87	0.170260043104719	0.865210235467226	0.000340924698687469	0.928427664640042
MESO	CHAF1B	cg04634639	-0.134977520071526	87	-1.25592463912136	0.212584507858764	0.0182189309246592	0.398856792908489
MESO	CHAF1B	cg07872789	-0.148619021085887	87	-1.38558727342562	0.169497955159133	0.0220876134285274	0.343004001845853
MESO	CHAF1B	cg13854874	-0.244896658321464	87	-2.32874789462308	0.0222462906934888	0.0599743732570197	0.0788548748443644
MESO	CHAF1B	cg25942896	0.124066802938236	87	1.15274567099043	0.25224632678118	0.0153925715913151	0.44612492032954
MESO	CHD1	cg03255775	0.176718625540746	87	1.65531758590085	0.101547899001788	0.0312294726130105	0.240921538729646
MESO	CHD1	cg03833628	-0.271863022441196	87	-2.60455114405986	0.0108571515379125	0.0739095029708624	0.0454635185025497

MESO	CHD1	cg08865521	0.0268832690232647	87	0.247941104887941	0.804777963378617	0.000722710153377223	0.893886218864863
MESO	CHD1	cg11365324	0.0386522119360558	87	0.356622281573014	0.722258345872019	0.00149399348754977	0.842616684544072
MESO	CHD1	cg12662497	-0.248166948541385	87	-2.36187199888332	0.0204683591099712	0.0615868343483425	0.0741335969365937
MESO	CHD1	cg16890600	0.0632247524968177	87	0.58407196106253	0.560718786131782	0.00399736932828386	0.731360884736446
MESO	CHD1	cg21082921	-0.168723269339325	87	-1.57817728279098	0.118239422737508	0.0284675416165504	0.268016248614268
MESO	CHD4	cg00079216	0.116354069489822	87	1.08006755316847	0.283167216484082	0.0135382694868424	0.480502134185257
MESO	CHD4	cg00824109	-0.0980972577081151	87	-0.908795300496994	0.366027793018119	0.00962307196985235	0.564908267469182
MESO	CHD4	cg04344119	0.0634465686119262	87	0.586129371851381	0.559341825864576	0.00402546706862786	0.730150027153032
MESO	CHD4	cg05147525	0.033562414897692	87	0.309604600212884	0.757619379581392	0.00112643569376482	0.864843827718013
MESO	CHD4	cg11565429	0.0712945328636008	87	0.658980017094469	0.51168986416804	0.00508291041623906	0.693757211702892
MESO	CHD4	cg19509514	0.0886249554912812	87	0.820309580594892	0.414334145619201	0.00785438273583156	0.609901994821097
MESO	CHD4	cg20308811	0.0311565189057936	87	0.287388433149954	0.774514390101909	0.000970728670327074	0.875034462497555
MESO	CHRA1	cg00296189	-0.219818111054952	87	-2.07743509279502	0.0407793778566799	0.0483200019477673	0.124086322497949
MESO	CHRA1	cg07270064	-0.294499611932949	87	-2.84115285095635	0.00562513305791588	0.0867300214286574	0.0272564061729996
MESO	CHRA1	cg08877624	0.00906777756513902	87	0.0836042156224746	0.933567697682577	8.22245899708385e-05	0.964643727133429
MESO	CHRA1	cg12002314	-0.0153433259964978	87	-0.141475129999165	0.887829374108435	0.000235417652634804	0.940350989554471
MESO	CHRA1	cg18770186	0.0477121452822384	87	0.440385788030526	0.660775618702911	0.00227644880743343	0.80261653313828
MESO	CHRA1	cg19486048	0.143988279652526	87	1.34148543794597	0.183336065375408	0.0207326246772941	0.361502730101533
MESO	CHRA1	cg22610305	-0.0200695352605739	87	-0.185069247999741	0.85361560077596	0.00040278624557542	0.921966206568838
MESO	CHRA1	cg23548819	-0.0931409105776044	87	-0.862465959803526	0.390857986561176	0.00867522922322529	0.588131648095554
MESO	CLOCK	cg05960024	-0.215669983247206	87	-2.0363006632861	0.0448331524729381	0.04651354167385	0.133206670873458
MESO	CLOCK	cg06085476	0.0132474844951899	87	0.122146490821826	0.903071326009266	0.000175495845450297	0.948756627262922
MESO	CLOCK	cg07236904	0.0233066826764883	87	0.214935381623891	0.83033254931896	0.000543201457382522	0.908942255673869
MESO	CLOCK	cg07500410	-0.00961832650909667	87	-0.0886806909733758	0.929544287264991	9.25122048355917e-05	0.962671899544514
MESO	CLOCK	cg11774413	-0.101708261506821	87	-0.942591866624631	0.348561087776777	0.0103445704587398	0.547756080968339
MESO	CLOCK	cg18928811	-0.0223247327544901	87	-0.205875175965704	0.837380707157806	0.000498393692559403	0.912945059668339
MESO	CLOCK	cg22523077	-0.208691997735188	87	-1.96736371415944	0.0524026305710047	0.0435523499187038	0.149320912883804
MESO	CLOCK	cg23506964	0.213673259909818	87	2.01654178100536	0.04690034401847	0.0456562620004885	0.137710557667981
MESO	CREBBP	cg00039463	-0.163928506498617	87	-1.53207167905184	0.129218333514332	0.0268725552428673	0.284942617001716
MESO	CREBBP	cg00747661	0.194042987246706	87	1.82365001405321	0.0717197341724827	0.0376526808996254	0.187648908627253
MESO	CREBBP	cg03039399	-0.099402301903604	87	-0.921005380312159	0.359654254917397	0.00988081762373525	0.558495381101542
MESO	CREBBP	cg03264209	-0.151174020593743	87	-1.40996004159436	0.162200193861612	0.0228535845024776	0.33282870545659
MESO	CREBBP	cg08506924	0.00892028984411367	87	0.0822442810081582	0.934645824986092	7.95715709029974e-05	0.965255981374117
MESO	CREBBP	cg24567591	-0.134534671686294	87	-1.25172798737739	0.21410271821207	0.018099577885739	0.400709879723567
MESO	CTCF	cg01866162	0.101177584801656	87	0.937622763562238	0.351094875960308	0.0102369036662962	0.550023092654962
MESO	CTCF	cg04487155	0.24359265939995	87	2.31556361792573	0.0229911454851963	0.05933738371354	0.0808979678807436
MESO	CTCF	cg06241380	0.150191522218021	87	1.40058435574868	0.164978406403628	0.0225574933461664	0.336833163285664
MESO	CTCF	cg07967402	0.116299410429995	87	1.07955321700801	0.283394978125568	0.0135255528663644	0.48069449670658
MESO	CTCF	cg08324636	0.258427177082502	87	2.46636131226126	0.0156580176098625	0.0667846058548309	0.060317779429822
MESO	CTCF	cg10218542	0.166505562207258	87	1.55683809071063	0.12322462225176	0.0277241022459552	0.275748347768537
MESO	CTCF	cg10481400	-0.259182863324843	87	-2.47409193750735	0.0153459907526776	0.0671757566412645	0.0594327676912332
MESO	CTCF	cg23858565	0.0245662380454415	87	0.226557897977471	0.821311485220216	0.000603500051705299	0.904115112931239
MESO	CXXC1	cg02159718	-0.196163599953583	87	-1.84437301925092	0.0686123768750457	0.0384801579467493	0.181663305650306
MESO	CXXC1	cg07675399	0.0183071449263178	87	0.168811827678249	0.866345722518592	0.000335151555353204	0.928979022972216
MESO	CXXC1	cg11871295	0.0530745483947688	87	0.490013807022558	0.625386535348457	0.00281690768730865	0.7783090455918
MESO	CXXC1	cg13423076	-0.177852253318137	87	-1.66628195358625	0.0993384670552533	0.0316314240103388	0.23711873542071
MESO	CXXC1	cg15632775	0.27654936595835	87	2.65313208721277	0.0095156111798317	0.0764795518119656	0.0409706362698598
MESO	CXXC1	cg20016845	0.0627601353106109	87	0.579762779039257	0.563608188292223	0.00393883458420619	0.73346942687954
MESO	CXXC1	cg27419474	-0.0725182853341387	87	-0.670350532905256	0.504451622136156	0.00525890170780356	0.687712872600124
MESO	DAXX	cg00221327	0.141011646714019	87	1.31318456870569	0.192654778000714	0.0198842845089993	0.37338712473623
MESO	DAXX	cg02173004	-0.0694255319610328	87	-0.641619919477044	0.522846478563676	0.00481990448807238	0.702513003174174
MESO	DAXX	cg02328295	-0.0171848149541644	87	-0.158459565158222	0.874470550423935	0.000295317865008873	0.933523436882924
MESO	DAXX	cg03085224	-0.154589213331145	87	-1.44258366356972	0.15281268579133	0.0238978248783422	0.319851214207515
MESO	DAXX	cg03369465	0.114452275945048	87	1.06217768398332	0.291163571990904	0.0130993234690015	0.488711032179606
MESO	DAXX	cg03382121	-0.0291398524394123	87	-0.268770299874895	0.788757723488745	0.000849131000190725	0.883804515337629
MESO	DAXX	cg03902329	-0.123490295519978	87	-1.14730600223822	0.254474269056829	0.0152498530876116	0.448667844140401
MESO	DAXX	cg04086445	-0.287189631952428	87	-2.7642030983696	0.00699568193830584	0.082477884700971	0.0323749006965238

MESO	DAXX	cg04152866	0.052195408963571	87	0.481874741392007	0.631133354219435	0.00272436071687442	0.782307295265319
MESO	DAXX	cg04271391	-0.0966687244069915	87	-0.89543527329444	0.37308323141578	0.00934484227847487	0.571646515889845
MESO	DAXX	cg04488476	-0.144423930770538	87	-1.34563056780231	0.182000210707814	0.0208582717792133	0.359563308322211
MESO	DAXX	cg04973788	-0.119685077027118	87	-1.11143095780636	0.269516766711588	0.0143245176629871	0.465476203674142
MESO	DAXX	cg05431670	-0.263635146935565	87	-2.51973806717006	0.0136145795346494	0.0695034906997369	0.0542083838258551
MESO	DAXX	cg05532204	-0.0141526870515185	87	-0.13049439703542	0.89648362866362	0.000200298550778219	0.945167135244116
MESO	DAXX	cg06171013	-0.0233994023775024	87	-0.215790914801207	0.829667716699787	0.000547532031624266	0.908546879968232
MESO	DAXX	cg07689821	0.13371560995831	87	1.24396816152427	0.216930903257416	0.0178798643465229	0.404242764462294
MESO	DAXX	cg08375286	-0.215384183686407	87	-2.03347085421637	0.0451243259535582	0.0463903465822601	0.133862180187275
MESO	DAXX	cg08567382	0.0749309053250254	87	0.69277639569129	0.490338368586942	0.00561464057282792	0.676202576507218
MESO	DAXX	cg09097215	-0.0860784868205686	87	-0.796560984536791	0.427925304666191	0.0074095058933188	0.6221852378507
MESO	DAXX	cg09432361	-0.0525952879644071	87	-0.485576677460631	0.628516654223116	0.00276626431605891	0.780627089193184
MESO	DAXX	cg09615909	-0.122548071296375	87	-1.1384181284639	0.258144416028397	0.0150180297784615	0.452721341967032
MESO	DAXX	cg11111423	-0.0582678547610854	87	-0.538117346723588	0.59190233263761	0.00339514289845894	0.754397771099365
MESO	DAXX	cg12025215	-0.00851607864359888	87	-0.0785172128833781	0.937601184900373	7.25235954639609e-05	0.966601465387485
MESO	DAXX	cg12832355	-0.0828620376567992	87	-0.766586509468475	0.445451257550234	0.00686611728463681	0.637393441476544
MESO	DAXX	cg12923297	0.0086757847789509	87	0.0799897939136513	0.936433402316977	7.52692415306762e-05	0.966088906716268
MESO	DAXX	cg13443893	-0.097826982395511	87	-0.906267180718269	0.367356355788158	0.00957011848461162	0.566258014068519
MESO	DAXX	cg13826470	-0.263633352789593	87	-2.51971963846651	0.0136152416005271	0.0695025447030819	0.0542083838258551
MESO	DAXX	cg14539675	-0.145751981490961	87	-1.35827163702608	0.177971736391466	0.0212436401085415	0.354512553409067
MESO	DAXX	cg14622330	-0.0652918971030675	87	-0.603248755682326	0.547949563421727	0.00426303182731755	0.721199004108378
MESO	DAXX	cg14746369	0.157808616711922	87	1.47338549587031	0.144340832787518	0.0249035595085302	0.307627012039169
MESO	DAXX	cg14910283	-0.156868842085514	87	-1.46438921610722	0.146776446836857	0.02460783361725	0.311194762449633
MESO	DAXX	cg16922466	-0.0888389637310587	87	-0.82230617244495	0.413203470617091	0.00789236147680837	0.608767509292767
MESO	DAXX	cg17079757	-0.0764692492358343	87	-0.707082021392295	0.481449538904134	0.00584754607869215	0.668699971960511
MESO	DAXX	cg17504991	-0.0385906510672067	87	-0.356053446155143	0.722682743723355	0.0014892383497909	0.842884278339051
MESO	DAXX	cg18187593	-0.0592885006223019	87	-0.547576214300182	0.585417923730606	0.0035151263060407	0.749921815914946
MESO	DAXX	cg18279148	-0.217973229253896	86	-2.04697773939954	0.0437860193037909	0.0475123286713714	0.130890316082044
MESO	DAXX	cg18486541	0.0898488485912162	87	0.831729456285436	0.407892194175554	0.00807281559316729	0.603989100383509
MESO	DAXX	cg18944910	-0.220757165162696	87	-2.08676345059274	0.0399053457214922	0.0487337259706698	0.122275627165237
MESO	DAXX	cg18967278	0.0378354520874374	87	0.349075576649157	0.727895836349817	0.00143152143466077	0.846097610689383
MESO	DAXX	cg20223162	-0.272128575607715	87	-2.60729860552212	0.0107769401247749	0.074053961662284	0.0452006297210879
MESO	DAXX	cg20763184	-0.133987222955568	87	-1.24654114617654	0.215990124514137	0.017952575915345	0.403198540561838
MESO	DAXX	cg21286626	-0.0831538325850079	87	-0.769304771896473	0.443844929018611	0.00691455987357552	0.635918603386445
MESO	DAXX	cg24328964	-0.0268798431787943	87	-0.247909485896052	0.804802347732179	0.000722525969316573	0.893900540255241
MESO	DAXX	cg24496586	-0.122406128686715	87	-1.13707947450347	0.258700418682351	0.0149832603400687	0.453377252109303
MESO	DAXX	cg24513883	-0.143261641414737	87	-1.33457339697228	0.185580037833999	0.0205238979008448	0.364322645248394
MESO	DAXX	cg24728112	-0.117752096000446	87	-1.09322623468961	0.277383102449724	0.0138655561124983	0.474153835903621
MESO	DAXX	cg25642825	-0.0633038077999393	87	-0.584805212652469	0.560227852378332	0.00400737208197166	0.730892108670612
MESO	DAXX	cg26521092	-0.313507634283864	87	-3.0438512643182	0.00310812019862953	0.0982870367542651	0.0169382208568957
MESO	DAXX	cg27052777	-0.0884618942583682	87	-0.818788376189568	0.415196856310418	0.00782550673577871	0.610848275049883
MESO	DAXX	cg27393652	-0.0854111731787749	87	-0.790340177948788	0.431528622252442	0.00729506850377468	0.625402169222148
MESO	DIDO1	cg00080059	0.0877796426166402	87	0.812424342902901	0.418817744796528	0.00770526565790508	0.614270236961994
MESO	DIDO1	cg01488865	0.00954972541320333	87	0.0880481329675462	0.930045529537961	9.11972554675815e-05	0.962921050931301
MESO	DIDO1	cg06646488	-0.0459094086426249	87	-0.423710591374102	0.672847189500114	0.00210767380191552	0.810697182107795
MESO	DIDO1	cg08610063	-0.165282359139801	87	-1.54507862359056	0.12604240156921	0.0273182582428182	0.28001663728118
MESO	DIDO1	cg13815390	0.0548366956047915	87	0.506331211161733	0.613934967685208	0.00300706318485256	0.770354799769397
MESO	DIDO1	cg20969846	0.0200185463413225	87	0.184598869949045	0.853983395497027	0.000400742197619677	0.92211620727446
MESO	DIDO1	cg21212389	0.0628793586519844	87	0.580868502786288	0.562866079851694	0.00395381374448488	0.732932792393798
MESO	DIDO1	cg21687703	0.144726861027631	87	1.34851335713779	0.18107551269228	0.0209458643029112	0.358327951627575
MESO	DIDO1	cg22394521	0.0161778980883656	87	0.149172372952591	0.881770979164557	0.000261724386557544	0.937231457694413
MESO	DMAP1	cg01604592	-0.242261680523489	87	-2.30212032236661	0.0237732478737186	0.058690721850065	0.0830076248215316
MESO	DMAP1	cg11683482	-0.320744991430171	87	-3.12207574518063	0.00245450764093547	0.102877349527541	0.0140205571201215
MESO	DMAP1	cg15990015	0.0865619021720595	87	0.801068135402902	0.425325770673181	0.0074929629076452	0.620101995663284
MESO	DMAP1	cg18017761	-0.0209382601839158	87	-0.193083550214943	0.847354154323845	0.000438410739529352	0.918533773341827
MESO	DMAP1	cg18167340	-0.110930229406693	87	-1.0290774454287	0.306362736834758	0.0123055157962215	0.504801278235299
MESO	DMAP1	cg21437596	-0.568465370923821	87	-6.3704217214096	9.27248298388887e-09	0.323152877939557	2.55162200653927e-07

MESO	DMAP1	cg23021241	-0.291082079319801	87	-2.8051108464722	0.00623308785818037	0.0847287769011387	0.0295614727086072
MESO	DMAP1	cg23451311	0.135635366284342	87	1.26216013332156	0.210343347450527	0.0183969525870877	0.396029198122746
MESO	DMAP1	cg24485408	-0.118429131648044	87	-1.09960107890342	0.274610587068771	0.0140254592229098	0.471046323946995
MESO	DNMT1	cg04160663	-0.231677774694939	87	-2.19570295027676	0.0308377767250331	0.0536745912875988	0.100713434195937
MESO	DNMT1	cg04762346	-0.095319028550437	87	-0.882817688500377	0.379824733902791	0.00908571720379902	0.578288363043421
MESO	DNMT1	cg06128182	-0.0633682938505716	87	-0.585403340093972	0.559827545322561	0.00401554066553238	0.730516867014833
MESO	DNMT1	cg06716436	0.0634240458483776	87	0.585920462512206	0.559481566092605	0.00402260959177711	0.730254126605758
MESO	DNMT1	cg10635912	0.0823229767890162	87	0.761565323162862	0.448427324998073	0.0067770725074049	0.639766527508524
MESO	DNMT1	cg11380607	0.098821348568611	87	0.915569353610637	0.362482995919829	0.00976565893291892	0.561408791427008
MESO	DNMT1	cg13393778	-0.163732571841993	87	-1.53019000390363	0.129682978935823	0.0268083550819935	0.285592822454959
MESO	DNMT1	cg15043801	-0.0894314074698939	87	-0.827833981396235	0.41008277575989	0.0079979766420462	0.606029130477478
MESO	DNMT1	cg21893394	-0.131930685271551	87	-1.22706667653903	0.223185375471648	0.0174057057162211	0.411960401922872
MESO	DNMT1	cg23401624	-0.128530220258256	87	-1.19490107605216	0.235449101943215	0.0165200175196359	0.426659356865827
MESO	DNMT1	cg24477899	-0.169943461587151	87	-1.58992869761974	0.11556361023349	0.0288807801362236	0.263803383153969
MESO	DNMT1	cg27429799	0.0155529881886632	87	0.143408812067138	0.886306757370124	0.000241895441596697	0.939747489931805
MESO	DNMT3A	cg02208653	-0.124755027201999	87	-1.1592410034211	0.249604184774606	0.0155638168121715	0.443215355740698
MESO	DNMT3A	cg03463641	-0.0677981117779061	87	-0.626509265347624	0.532659964819653	0.00459658396064945	0.709929524386328
MESO	DNMT3A	cg06112956	0.0648656024996368	87	0.599293412402974	0.550571287832542	0.00420754638764089	0.723135964888518
MESO	DNMT3A	cg07150430	0.00324654256078036	87	0.0299318012131938	0.976191611566609	1.05400385989583e-05	0.987422964433455
MESO	DNMT3A	cg12066181	-0.14556139112809	87	-1.35645704071542	0.178545826855974	0.0211881185871449	0.355144958913238
MESO	DNMT3A	cg13076778	-0.0133749208083698	87	-0.123321707916967	0.902143489178343	0.000178888506630164	0.948281470876085
MESO	DNMT3A	cg13344237	-0.0373873593936234	87	-0.344935584380091	0.730994866432201	0.00139781464242796	0.848002007742718
MESO	DNMT3A	cg15990840	-0.0378711637749454	87	-0.349405531059845	0.727649039800526	0.00143422504566874	0.845962420453748
MESO	DNMT3A	cg15998962	-0.118180288699088	87	-1.09725783878824	0.275627450374318	0.0139665806369999	0.472044775326253
MESO	DNMT3A	cg21629895	0.128432351298167	87	1.19397595658604	0.235808865323522	0.0164948688599758	0.427103323996602
MESO	DNMT3A	cg21708767	-0.160023205821571	87	-1.49460161362288	0.138721763281218	0.0256074264014129	0.299337647084741
MESO	DNMT3A	cg22731525	-0.128926323805756	87	-1.19864566082271	0.233996934903974	0.0166219969700665	0.424958744761444
MESO	DNMT3A	cg25044635	-0.0695939547458759	87	-0.643184022824726	0.521836107475916	0.00484331853717102	0.701692504320901
MESO	DNMT3A	cg26470599	-0.251151678006227	87	-2.39217878841948	0.0189533334047019	0.0630771653653433	0.0698084751637656
MESO	DNMT3A	cg26995204	0.0959592244875992	87	0.888801920933043	0.376617941643555	0.00920817276426146	0.575125456926735
MESO	DNMT3B	cg00300969	0.0936971723745482	87	0.867662315559137	0.388022221900613	0.00877916011098579	0.585847660951698
MESO	DNMT3B	cg13636640	-0.10595484226279	87	-0.982385281890478	0.328698071395148	0.0112264285989327	0.528375612482987
MESO	DNMT3B	cg14224313	-0.268360193134255	87	-2.56837003079006	0.0119649970962674	0.0720171932590544	0.0490310252900878
MESO	DNMT3B	cg16523653	-0.0468440033763392	87	-0.43235500361102	0.666578332095084	0.00219436065232248	0.806517067394769
MESO	DNMT3B	cg16953106	0.0358895055820943	87	0.331098197584977	0.741385175577954	0.00128805661092718	0.854461819418234
MESO	DNMT3B	cg17475857	0.148360235206919	87	1.3831202429634	0.170250390519883	0.0220107593906524	0.343982852531611
MESO	DNMT3B	cg17721173	-0.18657268809818	87	-1.75085823272745	0.0835781281252022	0.0348093679441808	0.209355615113179
MESO	DNMT3B	cg22605822	-0.0680919708334428	87	-0.629237381825902	0.530881219187441	0.00463651649198243	0.708642236217741
MESO	DNMT3B	cg24403338	0.144979094723262	87	1.35091399588256	0.180308184094522	0.0210189379067766	0.357455082017514
MESO	DNMT3B	cg25803642	-0.174145331476124	87	-1.63045402506435	0.106705804032848	0.0303265964749292	0.249430661468857
MESO	DNMT3L	cg09247319	0.117267739425303	87	1.08866657062329	0.279378034336386	0.0137517227099208	0.476433311481539
MESO	DNMT3L	cg15635600	-0.114065953540344	87	-1.05854506342497	0.292805964478589	0.0130110417570679	0.49050468788405
MESO	DNMT3L	cg27187798	0.109134059871712	87	1.01221221952182	0.314309300464148	0.0119102430240825	0.513350664787808
MESO	DPF1	cg06168449	-0.117303811527728	87	-1.08900612108572	0.279229133871021	0.0137601841989328	0.476273350443162
MESO	DPF1	cg06615189	0.111722277190175	87	1.03651765204051	0.30290050235812	0.0124818672205582	0.501239028035138
MESO	DPF1	cg07480327	-0.0793514256989221	87	-0.73389819523753	0.465030348735113	0.00629664876045155	0.654258526232492
MESO	DPF1	cg08057062	-0.0557534483129751	87	-0.514822166851855	0.608013460777622	0.00310844699878759	0.765836983670467
MESO	DPF1	cg13322582	-0.071310369469943	87	-0.659127143961632	0.511595855077708	0.00508516879393978	0.693666020913555
MESO	DPF1	cg13917712	-0.0734460493725345	87	-0.678972893005014	0.498999650164115	0.00539432216843277	0.683243783174937
MESO	DPF1	cg17121541	-0.0357249691063858	87	-0.329578324086817	0.74252939923527	0.00127627341765222	0.855253352751616
MESO	DPF1	cg22145401	0.21033831805892	87	1.98359925269034	0.0505282839659816	0.0442422080438552	0.145423504359955
MESO	DPF1	cg27400772	-0.0706236107827339	73	-0.596574748014505	0.552688831384712	0.00498769439999109	0.724885776523962
MESO	DPF2	cg02186298	0.210137931074563	87	1.98162215338729	0.0507534340871817	0.0441579500762977	0.145909558439697
MESO	DPF2	cg14699126	-0.0567154784725392	87	-0.523733886782234	0.601826541355963	0.00321664549836906	0.761355919297486
MESO	DPF2	cg15918224	0.0591658470416157	87	0.546439427878466	0.586195455927058	0.00350059745615186	0.750364049527354
MESO	DPF2	cg15929437	-0.0536509771691841	87	-0.495350998879164	0.621630569552438	0.00287842735120831	0.775835989233116
MESO	DPF2	cg18224556	-0.00562052765685518	87	-0.0518195231102321	0.958794086061741	3.1590331141474e-05	0.978362852266417

MESO	DPF2	cg19517014	0.157359905646994	87	1.4690895616154	0.145499934040175	0.0247621399052309	0.309389691641968
MESO	DPF3	cg00888802	0.0657701506525312	87	0.607686591157042	0.545015522661006	0.00432571271685666	0.719051241804116
MESO	DPF3	cg05151458	0.0224280486889842	87	0.206828417664838	0.836638520792576	0.000503017367995446	0.912528062583344
MESO	DPF3	cg07171024	-0.121192420938175	87	-1.12563593810712	0.26348791118993	0.0146876028928559	0.458912339656774
MESO	DPF3	cg10266394	-0.0576060345320096	87	-0.531984813770153	0.596124268701084	0.00331845521450308	0.757338918890358
MESO	DPF3	cg12913429	-0.0183675772829462	87	-0.1693692676196	0.865908623072555	0.000337367895245002	0.928766361363128
MESO	DPF3	cg13819165	-0.0574431218605127	87	-0.530475346936021	0.59716559762186	0.00329971224908171	0.758135719137755
MESO	DPF3	cg14238615	-0.0483340882965278	87	-0.446139712823655	0.656630768625461	0.00233618409145654	0.799917537300132
MESO	DPF3	cg14242696	0.207825871446545	87	1.95882925595398	0.0534114160494143	0.0431915928425159	0.151385860026529
MESO	DPF3	cg15392845	-0.00957119303275033	87	-0.0882460817792322	0.929888670818288	9.16077360701685e-05	0.962831889080843
MESO	DPF3	cg15740492	0.341978246546669	87	3.35517425338334	0.00118710907618111	0.116949121111134	0.00774618046237487
MESO	DPF3	cg16696021	0.01502022381641	87	0.138495244872039	0.890176613405407	0.000225607123495049	0.94184913450018
MESO	DPF3	cg19710444	-0.0403263197979537	87	-0.372092972320485	0.71074969051321	0.00162621206844683	0.835265365859249
MESO	DPF3	cg19839347	-0.0349970040915061	87	-0.322854210022088	0.74759850886119	0.00122479029538089	0.858350397706137
MESO	DPF3	cg20548765	0.0718266551222882	87	0.663923869030216	0.508535943121862	0.00515906838605613	0.691046764240186
MESO	DPF3	cg21035356	-0.0567471723811405	87	-0.524027506538298	0.601623189679978	0.00322024157325487	0.761231357690097
MESO	DPF3	cg22784589	-0.024996063259719	87	-0.230524343904178	0.818238274893337	0.000624803178483874	0.902256932145702
MESO	DPF3	cg23515460	0.329054549978579	87	3.21264215630472	0.00185840657932882	0.108276896861605	0.0112011219828238
MESO	DPF3	cg24383902	-0.0499646779123489	87	-0.461227649346629	0.64581336604964	0.00249646903888477	0.792357506729068
MESO	DPF3	cg25495195	-0.155858405602083	87	-1.45472105303337	0.149429501460055	0.0242918425968234	0.314900431010227
MESO	DPF3	cg26057784	0.154566646554431	87	1.44236792204401	0.152873353878853	0.0238908482270825	0.319926551304751
MESO	EED	cg00080012	-0.0360328769287743	87	-0.332422584322105	0.74038859662817	0.0012983682197642	0.853907823134849
MESO	EED	cg01739327	-0.150040181594731	87	-1.3991405359091	0.165409461191077	0.02251205609298	0.337464625210423
MESO	EED	cg02172616	-0.0811944126665391	87	-0.751055269206973	0.454693711560629	0.00659253264826425	0.644976434497521
MESO	EED	cg04607174	-0.237969717441651	87	-2.25886372940327	0.0264514659706014	0.0566295864192592	0.0898665972450417
MESO	EED	cg06358433	-0.0633969271757385	87	-0.585668925124039	0.559649843251889	0.00401917037532589	0.730358489304616
MESO	EED	cg10086030	-0.167989629117837	87	-1.57111534716519	0.119871079207576	0.0282205154911484	0.270555915393686
MESO	EED	cg10535675	-0.261556492521455	87	-2.4984057915427	0.0144006146726151	0.0684117987801257	0.0565913021742484
MESO	EED	cg12672785	0.0615495339588851	87	0.568536592936087	0.571169711415146	0.00378834513055595	0.739100647568822
MESO	EED	cg16265078	-0.154770984046268	87	-1.4443215012891	0.152324672874073	0.0239540575026501	0.319061540160626
MESO	EED	cg18574463	-0.0444974171151804	87	-0.410652667045602	0.682360603694269	0.00198002012992235	0.816896383672278
MESO	EED	cg19325359	-0.308959416348237	87	-2.99499451444567	0.00359473771964495	0.095455920950243	0.0190294426307429
MESO	ELP3	cg01209934	0.0461558624987689	87	0.425990025027424	0.671191892343253	0.00213036364300526	0.809576197883793
MESO	ELP3	cg02516513	-0.0272054887595706	87	-0.250915086261849	0.802485316176633	0.00074013861864712	0.892293174660554
MESO	ELP3	cg04720865	-0.0600439029122428	87	-0.554578036821776	0.580639642042951	0.00360527027693484	0.746406469472865
MESO	ELP3	cg05621091	-0.102087052747334	87	-0.946139255217121	0.346759496355911	0.010421766338637	0.546066725352471
MESO	ELP3	cg15692687	-0.143151255408566	87	-1.33352355918102	0.185922664943146	0.0204922819250484	0.364755952805263
MESO	ELP3	cg17572663	0.119813509474195	87	1.11264098032344	0.268999487618616	0.0143552770525229	0.464910382560264
MESO	ELP3	cg18022570	-0.1139950212235	87	-1.05787813407839	0.293108185237891	0.0129948648637461	0.490778462848335
MESO	ELP3	cg18249244	-0.301921639522179	87	-2.91984093845089	0.00448244568036813	0.0911566764117607	0.0227214193411042
MESO	ELP3	cg19781013	0.0121549009788473	87	0.112070929024459	0.911031404414952	0.000147741617805583	0.952780078345478
MESO	ELP3	cg22414525	0.0659818119196697	87	0.609650783595548	0.543719451097893	0.00435359950420267	0.717988032636975
MESO	ELP3	cg22487209	-0.162125057349279	87	-1.51475910457668	0.133543324416283	0.0262845342205068	0.291533214700237
MESO	ELP3	cg25374552	0.152643511128919	87	1.4239909375387	0.15810985459011	0.0233000414897644	0.327151215863557
MESO	ELP4	cg04972224	-0.198548583751912	87	-1.86771167937037	0.0652484466078684	0.0394215401098902	0.17511083090394
MESO	ELP4	cg05195750	-0.114584307980277	87	-1.06341930366854	0.290603655160274	0.013129563635319	0.488234725931634
MESO	ELP4	cg05635455	-0.190830895742397	87	-1.79231136536628	0.0766411107893387	0.0364164307698457	0.196935378125378
MESO	ELP4	cg08111895	-0.0217561255173907	87	-0.200629053820443	0.841467914562667	0.000473328997528457	0.915118266331457
MESO	ELP4	cg08626560	-0.17855563406625	87	-1.67308844318359	0.097986638087695	0.0318821144568006	0.234626258838196
MESO	ELP4	cg09616795	-0.176354538056323	87	-1.65179760260163	0.102265598677313	0.0311009230930589	0.242063225932663
MESO	ELP4	cg10583382	-0.193875532241166	87	-1.82201475016296	0.0719698552251936	0.0375877220017955	0.188137206411393
MESO	ELP4	cg11385473	-0.0710665238176868	87	-0.656861799496799	0.513044349965647	0.00505045080752984	0.694749840382415
MESO	ELP4	cg13263383	-0.0117169761761332	87	-0.108032598779804	0.914224438722595	0.000137287530712074	0.954736364302492
MESO	ELP4	cg19328333	-0.17433162737882	87	-1.63225288083751	0.106325675907671	0.0303915163045479	0.248796836658886
MESO	ELP4	cg24001477	-0.0319230820531006	87	-0.294466355301477	0.769119511745752	0.00101908316776899	0.872014053898678
MESO	ELP4	cg24531794	-0.0524568207076359	87	-0.484294770944794	0.629422229878393	0.00275171803875306	0.781363515378183
MESO	ELP4	cg25130734	-0.139035527708151	87	-1.29441638564689	0.19902720185131	0.0193308779650841	0.381727706707364

MESO	EP300	cg00500400	-0.08098827535058	87	-0.749135875868161	0.455843506011471	0.00655910074426136	0.646100821824443
MESO	EP300	cg02046995	0.248771246758754	87	2.3680021875907	0.0201535127838732	0.0618871332139048	0.0732618505785609
MESO	EP300	cg07519229	-0.118065926928583	87	-1.09618101670075	0.276095619645709	0.0139395631015054	0.472617670085779
MESO	EP300	cg08131204	-0.0863162189318837	87	-0.798777422528086	0.426645782444624	0.00745048965069688	0.621174357326916
MESO	EP300	cg09331127	0.157201515013407	87	1.46757336163535	0.145910752734915	0.0247123163225105	0.309924398587304
MESO	EP300	cg24349919	0.0282605755186313	87	0.260653740048296	0.794989974268918	0.000798660128644265	0.887764580336702
MESO	EPC1	cg02900516	0.0609604214878871	87	0.563074531037695	0.574866432193339	0.00371617298798084	0.741934299097107
MESO	EPC1	cg16942190	-0.0279515845275886	87	-0.257801604929203	0.797183156905714	0.000781291077602932	0.889030011444344
MESO	EPC1	cg26211455	-0.0100146955954954	87	-0.0923355617423489	0.926648711805556	0.000100294127870436	0.961321948533324
MESO	EPC2	cg00066942	0.142676099512675	87	1.329005118271	0.187402745512283	0.0203564693721507	0.366716367359642
MESO	EPC2	cg03664802	-0.0456856111076231	87	-0.421640771556258	0.674351666788617	0.00208717506227697	0.811724790207874
MESO	EPC2	cg04098458	-0.066855542357116	87	-0.617759780311928	0.538385307744482	0.00446966354386413	0.714047098859012
MESO	EPC2	cg05586854	0.329766035223946	87	3.22043509985494	0.00181400929982729	0.108745637987321	0.0109777549179902
MESO	EPC2	cg10458926	0.160956138913328	87	1.5035461746446	0.136404805324828	0.0259068786538867	0.295865731023924
MESO	EPC2	cg11721798	0.0312790821773331	87	0.288520064528632	0.773651094700449	0.000978380981856354	0.874491743554656
MESO	EPC2	cg12432635	-0.00917398137416109	87	-0.0845834885593503	0.932791427559846	8.41619342534547e-05	0.964326595556022
MESO	EPC2	cg16434205	0.185300482348674	87	1.73849342499258	0.0857448445893094	0.0343362687586512	0.213371967243962
MESO	EPC2	cg21347644	0.0219242947758793	87	0.202180607773237	0.840258654382603	0.00048067470141965	0.914424968625297
MESO	EPC2	cg21650422	0.287171115393062	87	2.76400885725219	0.00699949807058022	0.0824672495160951	0.0323887076435116
MESO	EZH1	cg00728999	0.0460453519333569	87	0.424967911291551	0.671933938812951	0.0021201744346667	0.810035933675516
MESO	EZH1	cg01716316	0.106026219823407	87	0.983054597376623	0.328370492957803	0.0112415592900415	0.527990867040622
MESO	EZH1	cg03623386	-0.0430679347295188	87	-0.39743550102503	0.692042627602511	0.00185484700186609	0.823166939416374
MESO	EZH1	cg05375741	-0.0113505179777005	87	-0.104653346794018	0.916897437249696	0.000128834258362102	0.956149768640907
MESO	EZH1	cg05979501	-0.0113733267401532	87	-0.104863673919894	0.916731039629184	0.000129352561138283	0.956057786107633
MESO	EZH1	cg06975499	0.0880978957392137	87	0.815392859414493	0.41712642606648	0.00776123923367737	0.612621215983231
MESO	EZH1	cg12812489	-0.129519246809897	87	-1.20425197911236	0.231834872023437	0.0167752352942029	0.422400340217502
MESO	EZH1	cg19395400	0.0708892895352896	87	0.655215353976502	0.514098474475743	0.00502529137081812	0.695677029055401
MESO	EZH1	cg22227424	-0.0734808821315882	87	-0.679296652574024	0.49879555745379	0.00539944003883636	0.683036465350469
MESO	EZH1	cg27088844	0.0949633080852916	87	0.879493069217318	0.381613669934428	0.00901802988250202	0.58004633842062
MESO	EZH2	cg01893439	0.0934200021982588	87	0.865073010177831	0.3894336642491	0.00872729681072269	0.58704444119198
MESO	EZH2	cg02303805	-0.0817543521142308	87	-0.756269488360038	0.451578592015394	0.00668377408961763	0.642150090248881
MESO	EZH2	cg06816161	0.155623456395294	87	1.45247365960651	0.150051514916082	0.024218660180418	0.315725298742509
MESO	EZH2	cg13751213	-0.0160272008169757	87	-0.147782472205089	0.882864441146142	0.000256871166027666	0.937824214303584
MESO	EZH2	cg18494018	0.0224408740332998	87	0.206946750822211	0.836546397852845	0.000503592827378428	0.912470246835634
MESO	EZH2	cg20101066	0.0582487851138222	87	0.537940634375642	0.592023794363055	0.00339292096723623	0.754482890072237
MESO	FBXL19	cg00026853	0.0183540961250349	87	0.169244914607306	0.866006127063933	0.000336872844567022	0.928802117335732
MESO	FBXL19	cg02291855	-0.0850298489878143	87	-0.786785893258791	0.433595403804274	0.0072300752188905	0.627135701549653
MESO	FBXL19	cg03181514	-0.0474267001675694	87	-0.43774515612017	0.662681363192453	0.00224929188878453	0.803846369906008
MESO	FBXL19	cg03627896	0.151045150545055	87	1.4087300305629	0.16256261096352	0.0228146375031782	0.333203239639988
MESO	FBXL19	cg04477789	-0.184654367952974	87	-1.73221718798274	0.0868621991799098	0.0340972356041123	0.21537395770524
MESO	FBXL19	cg05643349	-0.277750203153249	87	-2.66561334894349	0.00919615521110078	0.0771451753516713	0.0399780972496366
MESO	FBXL19	cg05768582	-0.126149484288853	87	-1.1724068512931	0.244309158218755	0.0159136923863437	0.437095502839563
MESO	FBXL19	cg06862768	0.20454343199329	87	1.92652892300939	0.0573800800940271	0.0418380155715936	0.159348372214141
MESO	FBXL19	cg07697662	0.0319740995605203	87	0.294937434549992	0.768760849611474	0.00102234304270606	0.871818151180428
MESO	FBXL19	cg08535091	0.0219979547780281	87	0.202860211028752	0.839729101419675	0.000483910014416169	0.914178844724627
MESO	FBXL19	cg08593668	0.0935678428303632	87	0.866454102256261	0.388680429395463	0.00875494121192756	0.586421425542457
MESO	FBXL19	cg09011601	-0.144886233336498	87	-1.35003015469674	0.180590404407329	0.0209920206104381	0.357731969863102
MESO	FBXL19	cg11940219	-0.16479973644843	87	-1.54044086983228	0.127167638665446	0.027158953133472	0.281896600055272
MESO	FBXL19	cg26666512	-0.0354291562635405	87	-0.326845878245728	0.744587952886483	0.00125522511354637	0.856483814331392
MESO	FBXL19	cg27602786	-0.183101390289479	87	-1.71714134004068	0.0895950731197135	0.0335261191259401	0.220157273390663
MESO	FBXW9	cg02753619	0.052162218537564	87	0.481567486828223	0.631350748234463	0.00272089704276058	0.782496897695071
MESO	FBXW9	cg03160342	-0.0845375459888061	87	-0.78219770095595	0.436271987241939	0.00714659668180951	0.6293688197808
MESO	FBXW9	cg05868316	0.102118702245786	87	0.946435672294552	0.346609230342	0.0104282293483636	0.545964980667885
MESO	FBXW9	cg06489804	0.0480026194668212	87	0.443073054516206	0.658838513513127	0.00230425147567644	0.801515080227695
MESO	FBXW9	cg12110584	-0.275646686908152	87	-2.64375868620248	0.00976210765488937	0.0759810960034409	0.041796418383371
MESO	FBXW9	cg14342428	-0.155119178309208	87	-1.44765086836296	0.151393105826979	0.0240619594793238	0.317700501057537
MESO	FBXW9	cg15828427	-0.148387123388964	87	-1.38337655703214	0.170172097268186	0.0220187383876516	0.343898379916386

MESO	FBXW9	cg19721801	-0.0517133166092907	87	-0.477412012496357	0.63429408224173	0.00267426711473274	0.784624876113679
MESO	FBXW9	cg21564527	0.123706847205454	87	1.14934914941174	0.25363582248497	0.0153033840455135	0.44763122630147
MESO	FBXW9	cg22303873	0.127005745577721	87	1.18049478649207	0.241096426407014	0.0161304594097528	0.433308472366381
MESO	FKBP1A	cg04613791	0.0231273677844396	87	0.213280842408361	0.831618637802104	0.000534875140636733	0.909713206794132
MESO	FKBP1A	cg07516946	0.0533340206158024	87	0.492416216232899	0.623694644249588	0.00284451775504684	0.777098533798108
MESO	FKBP1A	cg10996143	-0.247435789727379	87	-2.35445882428413	0.0208549258329859	0.0612244700380118	0.0752045659041998
MESO	FKBP1A	cg21332426	-0.0317973411179705	87	-0.293305313793356	0.770003699921994	0.00101107090217258	0.872478082084729
MESO	FKBP1A	cg21775445	-0.160596859665024	87	-1.50010107142287	0.137293584145617	0.0257913513342675	0.297203914768181
MESO	FKBP1A	cg24641773	-0.196636315384878	87	-1.84899613479441	0.0679347339789773	0.038665840528141	0.180412567873387
MESO	FKBP1A	cg26779912	-0.0523076987506935	87	-0.482914256335406	0.630398099673736	0.0027360953485933	0.781869326499348
MESO	FKBP2	cg03764062	-0.179004003804425	87	-1.67742861888266	0.0971324771512693	0.0320424333780145	0.233183889137659
MESO	FKBP2	cg04446112	-0.114144918798169	87	-1.05928754046084	0.292469759630249	0.0130290624874407	0.49017960705773
MESO	FKBP2	cg06615912	-0.146311353734044	87	-1.36359827054411	0.176294607451396	0.0214070122314885	0.352203335361384
MESO	FKBP2	cg09854726	0.148456247518545	87	1.38403550355632	0.16997094265624	0.0220392574272874	0.343648702934271
MESO	FKBP2	cg10998122	-0.0820506550175663	87	-0.759028985710712	0.449934975060828	0.00673230998881167	0.640996254072484
MESO	FKBP2	cg12423493	-0.0196185194995923	87	-0.180908630690739	0.856869956034531	0.000384886307355883	0.923827400164829
MESO	FKBP2	cg15010817	-0.163100525289291	87	-1.52412135803262	0.131190519668986	0.0266017813496427	0.287945920537155
MESO	FKBP2	cg16977872	-0.101322348834634	87	-0.93897821167129	0.35040254582201	0.0102662183733673	0.549408487876699
MESO	FKBP2	cg19924313	-0.282813451881213	87	-2.71838963255652	0.00795028656093273	0.0799834485649673	0.0357608900098989
MESO	FKBP2	cg21809711	-0.201010292550209	87	-1.89183737657422	0.0619176902506028	0.0404051377111206	0.168479356255873
MESO	FKBP2	cg22074794	-0.096378262905618	87	-0.892719485462416	0.374527856559913	0.00928876956070442	0.573205195223723
MESO	FKBP2	cg24677501	0.041863983559837	87	0.386305524242486	0.700235714709726	0.00175259311949831	0.828282188371254
MESO	FKBP5	cg00130530	-0.240509749687083	87	-2.28444631581735	0.0248371724607637	0.0578449396945433	0.0857947246753097
MESO	FKBP5	cg00140191	-0.19263324259462	87	-1.80988846004494	0.0738474021635988	0.0371075661525176	0.191687847978479
MESO	FKBP5	cg00610228	-0.260634721702338	87	-2.4889580480471	0.0147615727507532	0.0679304581568551	0.0576621311673623
MESO	FKBP5	cg01294490	-0.141303160512187	87	-1.31595456948586	0.191727339231721	0.0199665831707328	0.372199251823447
MESO	FKBP5	cg07485685	-0.156476970437032	87	-1.46063911141442	0.147801133003497	0.0244850422771517	0.312659179901401
MESO	FKBP5	cg07843056	-0.123168908399922	87	-1.144274048167	0.255722106105939	0.0151705799964283	0.449970494275302
MESO	FKBP5	cg08636224	0.11503620683505	87	1.06766936035266	0.288692646620787	0.0132333288829964	0.486222666049367
MESO	FKBP5	cg08915438	-0.245446637618339	87	-2.33431256809807	0.021938373578434	0.0602440519181481	0.0780907725536807
MESO	FKBP5	cg10913456	-0.034822826973528	87	-0.321240409185887	0.74881676966256	0.00121259137225436	0.859284170624241
MESO	FKBP5	cg16012111	-0.167370241390168	87	-1.56515528471047	0.121262069690672	0.028012797703003	0.272654545725831
MESO	FKBP5	cg17030679	0.025065508232145	87	0.231165197101303	0.817742005824166	0.000628279702935727	0.901988169253136
MESO	FKBP5	cg20813374	-0.19652334549611	87	-1.84789117734999	0.068096183928271	0.0386214253249836	0.180727160634413
MESO	FKBP5	cg25114611	-0.188261146226156	87	-1.76728278102887	0.0807699929174005	0.0354422591783859	0.204372119987519
MESO	FMR1	cg02921434	-0.0419530479744596	87	-0.387128825596361	0.699628427710091	0.00176005823434731	0.827835821270934
MESO	FMR1	cg03513471	-0.0491455367311905	87	-0.453647635858936	0.651238568567976	0.0024152837805968	0.796078774405675
MESO	FMR1	cg04552106	-0.0309493831440757	87	-0.285475970201565	0.775974008480439	0.000957864316998798	0.876017414662616
MESO	FMR1	cg04744025	-0.0818945221904855	87	-0.75757488051271	0.450800641485016	0.00670671276480792	0.641546934934242
MESO	FMR1	cg05288927	-0.133513964570053	87	-1.2420581633206	0.217631207383271	0.0178259787352134	0.405159550749616
MESO	FMR1	cg07147350	0.140757912590502	87	1.31077383885859	0.193464654762476	0.0198127899568353	0.374546185018342
MESO	FMR1	cg08434396	-0.0642885794856017	87	-0.593940071019309	0.554129627627129	0.00413302145227652	0.725918378126635
MESO	FMR1	cg14470409	-0.044027987404711	87	-0.406311988790384	0.685534531314447	0.00193846367490939	0.819030325041761
MESO	FMR1	cg16783314	-0.0744131642684337	87	-0.687962855187891	0.493349345803992	0.0055373190164409	0.678684686250676
MESO	FMR1	cg22625568	0.102297433611635	86	0.942516040222144	0.348631371319552	0.0104647649235268	0.547785924348796
MESO	FXR2	cg01807919	-0.161440779969202	87	-1.50819433577089	0.135212827539101	0.0260631254370644	0.294023216448271
MESO	FXR2	cg01933235	-0.198388011416137	87	-1.86613929286692	0.0654706517512937	0.0393578030736493	0.17548922862351
MESO	FXR2	cg05529097	-0.380080724174472	87	-3.78848430542834	0.000282157540192085	0.144461356888991	0.00232188416991574
MESO	FXR2	cg05913233	-0.425208617982686	87	-4.33128914511863	4.03728573080619e-05	0.180802368806746	0.000441863542687587
MESO	FXR2	cg09625173	-0.365105939325251	87	-3.61571799300473	0.000506912255316792	0.133302346930574	0.00379210768208416
MESO	FXR2	cg17777561	-0.449025358284205	87	-4.63315183030694	1.28695583637788e-05	0.201623772382259	0.000163110854244348
MESO	FXR2	cg19178740	-0.00032670371750045	87	-0.0030120596086048	0.997603785719228	1.06735319028618e-07	0.998823522905593
MESO	FXR2	cg22521096	-0.133424328838824	87	-1.24120917829818	0.21794301974923	0.0178020515260906	0.405487749703958
MESO	FXR2	cg26904212	-0.0829527035059921	87	-0.767431100426765	0.444951794662515	0.00688115101895303	0.636859359618334
MESO	G2E3	cg02259031	-0.171354421628909	87	-1.60352674924221	0.112528026924618	0.029362337811778	0.25917827234053
MESO	G2E3	cg05076167	-0.455057217832104	87	-4.71150853276465	9.50177229552961e-06	0.207077071501095	0.00012522122208342
MESO	G2E3	cg07906495	0.00245430577907404	87	0.0226276493922118	0.98200032349539	6.02361685719624e-06	0.990643844758107

MESO	G2E3	cg08810065	-0.179173149229827	87	-1.67906621056934	0.0968117720390669	0.032103017404934	0.232658088845175
MESO	G2E3	cg09837748	-0.388426826218113	87	-3.88626997658884	0.000201046728978995	0.150875399325876	0.00174400415189473
MESO	G2E3	cg18580322	-0.0507043975899811	87	-0.468073528515223	0.640930016894781	0.00257093593496288	0.789019507450392
MESO	G2E3	cg18755078	-0.258603151368147	87	-2.46816108465692	0.015584871401873	0.0668755898975366	0.0601504787279757
MESO	G2E3	cg18956956	-0.418946751103451	87	-4.2538020264232	5.37746286707446e-05	0.175516380260137	0.000564791876511668
MESO	G2E3	cg19554565	0.120441530801042	87	1.11855868210849	0.266479690394051	0.0145061623416983	0.462158093549493
MESO	G2E3	cg21061067	-0.190257116761801	87	-1.78671963688335	0.0775480408444135	0.0361977704785136	0.198523031570293
MESO	G2E3	cg22926526	-0.0573627926178309	87	-0.529731072254668	0.597679356707637	0.00329048997691627	0.758456724951315
MESO	GADD45	cg01810953	-0.0841779639775416	87	-0.778846813740767	0.438232881433887	0.00708592961940429	0.630969050698076
MESO	GADD45	cg02639608	-0.0681366991351317	87	-0.629652642982527	0.53061073606002	0.00464260976903146	0.708450741333648
MESO	GADD45	cg04718306	-0.130489895848868	87	-1.21343268324737	0.228325595353595	0.0170276129186484	0.41823313786055
MESO	GADD45	cg07000785	-0.00777144008166153	87	-0.0716513010629655	0.943047735682442	6.03952809428554e-05	0.969651593372757
MESO	GADD45	cg22224769	0.0996791419491935	87	0.923596128995089	0.358311087889472	0.00993593133972746	0.5572884315901
MESO	GADD45	cg23369529	-0.0592566334421202	87	-0.547280858300074	0.585619892635827	0.0035113486068938	0.750057029712566
MESO	GADD45	cg23723105	-0.0764407894591773	87	-0.706817317674378	0.481613198770388	0.00584319429314227	0.668782783569871
MESO	GATAD2A	cg02887458	-0.199211155221971	87	-1.87420149344684	0.0643380114243732	0.0396850843648722	0.17324718798019
MESO	GATAD2A	cg08505228	0.0316563727290456	87	0.292003684638922	0.770995314111904	0.00100212593436026	0.873125535117432
MESO	GATAD2A	cg08870822	0.012218205692726	87	0.112654699689379	0.91056994724688	0.000149284550349761	0.952607932600742
MESO	GATAD2A	cg09334331	-0.0924994506819703	87	-0.856474731555085	0.39414338577377	0.00855614837646626	0.59086949208727
MESO	GATAD2A	cg11795262	-0.111295781551673	87	-1.03251106070712	0.304761630960944	0.0123867509911978	0.503293063004981
MESO	GATAD2A	cg14948912	-0.212954906396271	87	-2.00943969710845	0.0476630536778807	0.0453497921582446	0.139363286394687
MESO	GATAD2A	cg15264323	-0.171471002323362	87	-1.60465074275212	0.11227999982469	0.0294023046377784	0.25869891915537
MESO	GATAD2A	cg22191731	-0.184108297988247	87	-1.72691457774114	0.0878155173295193	0.033895865388129	0.217039025134471
MESO	GATAD2A	cg26631329	-0.0594755055791411	87	-0.549309474525787	0.584233358182563	0.00353733576389445	0.748922337015411
MESO	GATAD2E	cg02134200	0.162667958733185	87	1.51996914708187	0.132229933805404	0.0264608647984213	0.289517710631205
MESO	GATAD2E	cg02940454	-0.0184964417050293	87	-0.170557944598822	0.864976698008391	0.000342118355747546	0.928337448592082
MESO	GATAD2E	cg09805553	0.137321082111316	87	1.27814622799006	0.204677210862087	0.0188570795922228	0.388812730557853
MESO	GATAD2E	cg10226922	-0.00602722108555853	87	-0.0555692421042833	0.95581537888802	3.63273940142013e-05	0.976553040177756
MESO	GATAD2E	cg10489353	0.109110782718452	87	1.01199372373935	0.314413148646986	0.0119051629054332	0.513425732013827
MESO	GATAD2E	cg15064304	-0.0728505287291962	87	-0.673438100895271	0.502495666589968	0.00530719953612344	0.686086453949839
MESO	GATAD2E	cg20773694	0.0718346322207707	87	0.663997987138025	0.508488738656904	0.00516021438629339	0.691006759163525
MESO	GATAD2E	cg23046518	0.12470670072676	87	1.15878485177934	0.249789091103225	0.0155517612061538	0.443420539172461
MESO	GATAD2E	cg23323627	0.180800666978047	87	1.69483100845175	0.0937682885383978	0.0326888811797065	0.227433850245338
MESO	GATAD2E	cg26398333	0.198109873117975	87	1.86341602496419	0.0658569982830343	0.0392475218268201	0.176221212961523
MESO	GLYR1	cg00636946	-0.00410268841012235	87	-0.0378252365310606	0.969915718901749	1.68320521905523e-05	0.984122072703404
MESO	GLYR1	cg00885266	0.0569372152723503	87	0.525788141544322	0.600404492328224	0.00324184648296996	0.760516267360002
MESO	GLYR1	cg01261535	0.0585054318717188	87	0.540318947760177	0.590390058154706	0.00342288555849634	0.75333876005195
MESO	GLYR1	cg01565912	0.0604384895070162	87	0.558235838725565	0.578150847127399	0.00365281101388971	0.744461921731836
MESO	GLYR1	cg02454264	0.0407197383150392	87	0.375729064549313	0.708054395746847	0.00165809708844527	0.833596411252311
MESO	GLYR1	cg06399529	0.124253999851284	87	1.15451223288336	0.25152577599053	0.0154390564790429	0.445255454817441
MESO	GLYR1	cg06976003	-0.241489499763502	87	-2.29432739501174	0.0242372988870855	0.0583171784960265	0.0842086744505351
MESO	GLYR1	cg11289281	0.0391507322869585	87	0.361228865181923	0.718824671240046	0.00153277983860509	0.840409915633868
MESO	GLYR1	cg15663121	0.0142406737774163	87	0.131305839869175	0.895843663264723	0.000202796789634792	0.944735684036654
MESO	GLYR1	cg18354686	-0.153107771360431	87	-1.42842576277535	0.156833669149235	0.0234419896509579	0.325422729570688
MESO	GTF2B	cg02705666	-0.345269582888444	87	-3.39181270650873	0.00105580120217886	0.11921108486796	0.00702548958363715
MESO	GTF2B	cg04270788	0.161172535677855	87	1.50562148386577	0.135871595478373	0.0259765862568295	0.294979345816554
MESO	GTF2B	cg05306856	-0.252334120961843	87	-2.40420533104082	0.0183803384910125	0.0636725086015861	0.0682194681569573
MESO	GTF2B	cg06356032	0.00395843191614694	87	0.0364952249583874	0.97097305914379	1.56691832347708e-05	0.98460978011693
MESO	GTF2B	cg07167781	-0.116256777264602	87	-1.07915205018622	0.283572713036349	0.0135156382599514	0.480826938264395
MESO	GTF2B	cg10430205	0.207571645455343	87	1.95632513108005	0.053710521358747	0.0430859879970388	0.152028682090757
MESO	GTF2B	cg12074130	-0.26464340288743	87	-2.5300988964122	0.0132469087659748	0.0700361306918387	0.0530954722314515
MESO	GTF2B	cg13868361	0.0514942799503426	87	0.475384500914118	0.635732317650372	0.00265166086760426	0.785485594690545
MESO	GTF2B	cg14010405	0.0695351395916897	87	0.642637813853104	0.522188828455478	0.00483513563803578	0.702045446579315
MESO	GTF2B	cg17811845	0.257814255076135	87	2.4600947209715	0.0159151080697275	0.0664681901204626	0.0610533022918477
MESO	GTF2B	cg22607980	-0.0550628912304044	87	-0.508426112905917	0.612471600600901	0.00303192199065134	0.769163121937536
MESO	GTF2H1	cg05849260	0.100862914071785	87	0.934676660114299	0.352602715038867	0.0101733274350522	0.551608261215685
MESO	GTF2H1	cg07583091	-0.0458717998826736	87	-0.423362757538657	0.67309992441796	0.00210422202447606	0.810871688818933

MESO	GTF2H1	cg08690812	-0.147561874629626	87	-1.37551122368034	0.172587160821183	0.0217745068442094	0.347245456845289
MESO	GTF2H1	cg10797557	-0.0511788322306477	87	-0.472464681688655	0.637805978065725	0.00261927286849278	0.786965998529637
MESO	GTF2H1	cg11063328	-0.214540100226575	87	-2.02511646155124	0.0459934359926957	0.0460274546052289	0.135751920158431
MESO	GTF2H1	cg11176342	0.210239276047544	87	1.98262203134054	0.050639462302517	0.0442005531929952	0.145689583223447
MESO	GTF2H1	cg11347316	0.189118212180846	87	1.7756261320717	0.0793736512911739	0.0357656981784794	0.201876412480648
MESO	GTF2H1	cg11662851	0.0225899335201231	87	0.208322057062684	0.835475882901997	0.00051030509644358	0.911852336407839
MESO	GTF2H1	cg13777411	0.244874285080076	87	2.32852157352887	0.0222588945500986	0.0599634154934782	0.0788893321236559
MESO	GTF2H1	cg14132868	0.211684904888927	87	1.99689202524746	0.0490365216581349	0.044810498957834	0.142213956377608
MESO	GTF2H1	cg17174493	0.108862478941727	87	1.0096630740835	0.315522304509828	0.0118510393213381	0.514726071194194
MESO	GTF2H1	cg18321761	-0.0694703686061014	87	-0.642036301612299	0.522577406438852	0.0048261321142676	0.702312630338149
MESO	H2AFZ	cg02758870	-0.180073512023001	87	-1.68778572044765	0.0951186313116035	0.032426469732298	0.229774525035862
MESO	H2AFZ	cg09308803	-0.0771560352677541	87	-0.713470330937756	0.477509159290079	0.00595305377823891	0.665210456777258
MESO	H2AFZ	cg16267491	-0.106461999719121	87	-0.987141288665105	0.326375048010322	0.0113341573841941	0.525858386697492
MESO	H2AFZ	cg17709884	-0.146043227434701	87	-1.36104486598383	0.177097063054616	0.0213286242795438	0.353285866176137
MESO	H2AFZ	cg20934652	0.0370817083097768	87	0.342111750136641	0.733111243816245	0.00137505309117137	0.849393186307651
MESO	H2AFZ	cg23752380	-0.0673814206082759	87	-0.62264108584462	0.535187288361654	0.00454025584318939	0.711678475554017
MESO	H2AFZ	cg24061702	-0.154992196940922	87	-1.44643663279146	0.15173233965583	0.0240225811125735	0.318172070168619
MESO	H3F3A	cg06319713	-0.327634098404918	87	-3.19710219039405	0.00194998827250818	0.107344102437603	0.011646632450787
MESO	H3F3A	cg10632229	0.143658401135999	87	1.33834724245209	0.184352322073549	0.0206377362169516	0.362782164914238
MESO	H3F3A	cg10983539	0.020853024168605	87	0.192297198023014	0.847968091859103	0.000434848616976425	0.918845987149665
MESO	H3F3A	cg11978873	0.152850733487025	87	1.42597030044866	0.157539278574222	0.0233633467275214	0.326280074203555
MESO	H3F3A	cg15538837	-0.0302984399516306	87	-0.279466117887218	0.780566032793	0.000917995463502564	0.878804634834354
MESO	H3F3A	cg15624314	0.0551801402961361	87	0.5095120413178	0.611713657142327	0.00304484788310126	0.768624020063116
MESO	H3F3A	cg16724613	-0.401640888424149	87	-4.04341249194305	0.000115373558674275	0.16131540325414	0.00108911183394085
MESO	H3F3A	cg16727519	-0.0586838237659262	87	-0.541972146420167	0.589255671375639	0.00344379117179028	0.752545485422012
MESO	H3F3A	cg18947521	0.319769473946618	87	3.11149686045476	0.00253472182575483	0.102252516468097	0.0144064189880922
MESO	H3F3A	cg19410789	0.126092388267304	87	1.17186763778975	0.244524430104363	0.0158992903789526	0.437370002426571
MESO	H3F3A	cg21266749	-0.230185501176713	87	-2.18076607554932	0.0319636428596957	0.0529853649519745	0.103465220015278
MESO	H3F3A	cg21789564	0.0440822288583629	87	0.406813529700674	0.685167511823148	0.00194324290112108	0.818820225739984
MESO	H3F3A	cg22519151	-0.192853113344322	87	-1.81203401145725	0.0735122635745392	0.0371923233265979	0.191092091840736
MESO	H3F3A	cg27530209	-0.0156021218756685	87	-0.143861967213055	0.885949996249878	0.000243426207023214	0.939518082566
MESO	H3F3A	cg27560444	-0.38443887719858	87	-3.83940811273728	0.000236656720259671	0.147793250301705	0.00199853157792888
MESO	HAT1	cg00414306	0.00324221614383802	87	0.0298919129900596	0.976223329937588	1.05119655233639e-05	0.987422964433455
MESO	HAT1	cg01583365	0.00737225955882547	87	0.0679707218899306	0.945968577032145	5.43502110026934e-05	0.971135151120888
MESO	HAT1	cg04507121	-0.146369717776236	87	-1.36415412022644	0.176120287369382	0.0214240942818949	0.351960070787447
MESO	HAT1	cg04950839	0.219441694323716	87	2.07369755694469	0.0411341766925173	0.0481546572076633	0.124911864377301
MESO	HAT1	cg05421799	-0.0466132128431917	87	-0.430220231721534	0.668124270822381	0.00217279161156469	0.80750799372893
MESO	HAT1	cg09545452	0.11207887514287	87	1.03986805466648	0.301350101048964	0.0125616742532911	0.499734487668594
MESO	HAT1	cg10190161	-0.0462718650498687	87	-0.42706295107676	0.670413307397899	0.00214108549519326	0.80905732023631
MESO	HAT1	cg12941622	-0.0844550426557948	87	-0.781428838439676	0.436721459748316	0.00713265422999213	0.629748637410527
MESO	HAT1	cg13293756	-0.238261007108695	87	-2.26179502121462	0.0262619322564431	0.0567683075084496	0.0893983616136934
MESO	HAT1	cg14446129	-0.108385285250749	87	-1.00518453536532	0.317660974122824	0.0117473700588862	0.516935839784772
MESO	HAT1	cg16017358	-0.122642320160244	87	-1.13930702416535	0.257775684206671	0.0150411386942879	0.452270867433815
MESO	HDAC1	cg03762702	-0.223274555315518	87	-2.11180084142225	0.0376389820783925	0.0498515270513421	0.117100058860487
MESO	HDAC1	cg04967775	-0.204661171653475	87	-1.92768634096106	0.0572336744498098	0.0418861951825731	0.159061034229369
MESO	HDAC1	cg06473843	-0.272422789142384	87	-2.61034334365699	0.010688676377298	0.0742141760441158	0.044900273644809
MESO	HDAC1	cg10842753	-0.202282398610841	87	-1.90431911031811	0.0602514439839471	0.0409181687877553	0.165162410712458
MESO	HDAC1	cg14172124	-0.174741151325249	87	-1.63620784143774	0.105493768657889	0.0305344699664737	0.24747445525592
MESO	HDAC1	cg20002354	-0.354567569943973	87	-3.49609113670785	0.000752963628965031	0.125718161655974	0.00529908201119102
MESO	HDAC1	cg20793809	-0.155321064977311	87	-1.44958152324392	0.150854929475337	0.024124633225686	0.316914744067741
MESO	HDAC1	cg21930229	-0.141267059717163	87	-1.31561151625646	0.19184201706843	0.0199563821611325	0.372322070547386
MESO	HDAC1	cg23018091	-0.398575716156856	87	-4.00670000434518	0.000131509735977327	0.15886260150995	0.0012177917391525
MESO	HDAC1	cg26115470	-0.282452058045773	87	-2.71461456776275	0.00803401535212093	0.0797791650942928	0.0360458036970353
MESO	HDAC10	cg00711351	-0.0674595943499165	87	-0.623366754320876	0.534712695338324	0.00455079686985529	0.711371345380925
MESO	HDAC10	cg01120165	0.00371347546782262	87	0.0342367882284148	0.97276860209428	1.37899000501204e-05	0.985679721671409
MESO	HDAC10	cg04321608	-0.0687374341884431	87	-0.635230286295922	0.526984614023905	0.00472483485881054	0.705590875759452
MESO	HDAC10	cg04586023	-0.0771977685471523	87	-0.713858556156308	0.477270277799305	0.0059594954686597	0.664961028567934

MESO	HDAC10	cg07482373	-0.187799681326322	87	-1.76279225551219	0.0815298910323797	0.0352687203062681	0.205746142763582
MESO	HDAC10	cg07744063	-0.226414828956156	87	-2.14309570379645	0.0349635988365353	0.0512636747712454	0.110761013474342
MESO	HDAC10	cg09151829	-0.126512453170967	87	-1.17583499811813	0.242943695638936	0.016005400807336	0.435483809731453
MESO	HDAC10	cg10508940	-0.315651285884569	87	-3.06695850877168	0.00289992959943386	0.0996357342805818	0.0160156980873461
MESO	HDAC10	cg11645658	0.239926150028069	87	2.27856405935848	0.0252004609444937	0.0575645574672915	0.0867299884408043
MESO	HDAC10	cg12464820	-0.127914448495914	87	-1.18908100069235	0.237719019530394	0.0163621061340138	0.429213976821879
MESO	HDAC10	cg26943378	0.0691132135017172	87	0.638719636171473	0.524722690052733	0.00477663628053395	0.703835667798274
MESO	HDAC11	cg01409735	-0.112239182940625	87	-1.04137435301764	0.300654815896568	0.0125976341871791	0.498936404024437
MESO	HDAC11	cg01712016	0.0590096361184428	87	0.544991658918255	0.587186397185378	0.00348213715483102	0.751111197425666
MESO	HDAC11	cg02762546	-0.154480942239259	87	-1.44154859793237	0.153103923688905	0.0238643615151292	0.320219562829808
MESO	HDAC11	cg02941903	-0.100583362108153	87	-0.932059593712916	0.35394564270434	0.0101170127329798	0.55297520441301
MESO	HDAC11	cg05987698	-0.0502771046168737	87	-0.464118969372926	0.643748998220633	0.00252778724865607	0.790875360341997
MESO	HDAC11	cg07450135	0.0192157871707769	87	0.177193521164982	0.859777939768021	0.000369246476592593	0.925481304917936
MESO	HDAC11	cg08051076	0.398108869578156	87	4.00112250915425	0.000134143127992633	0.158490672036797	0.00123807745485473
MESO	HDAC11	cg08448040	0.0936657756396505	87	0.867368999136711	0.388181950541197	0.00877327752617734	0.585995972074935
MESO	HDAC11	cg10455785	-0.258868322865699	87	-2.47087361666523	0.0154752069034578	0.0670128085832995	0.0598200370607499
MESO	HDAC11	cg11432034	-0.0886681947662071	87	-0.820712972570401	0.414105553710136	0.00786204876309804	0.609695369238783
MESO	HDAC11	cg13397067	-0.210757778189825	87	-1.9877386638032	0.0500596490368083	0.0444188410675116	0.144395266487559
MESO	HDAC11	cg13706066	-0.0956775523809637	87	-0.88616885382615	0.378026833259649	0.00915419402961205	0.576620447963788
MESO	HDAC11	cg16254764	-0.0932765828578196	87	-0.863733275919947	0.390165205877362	0.00870052090963168	0.58760174836642
MESO	HDAC11	cg18521047	-0.049195641602638	87	-0.454111260322087	0.650906197036473	0.00242021115269521	0.795900361503732
MESO	HDAC11	cg19779799	-0.160009046088855	87	-1.49446588793369	0.138757157207627	0.0256028948302654	0.299397411876911
MESO	HDAC11	cg20894727	-0.0667467907763783	87	-0.616750391380611	0.539047830887819	0.00445513407894562	0.714572496482696
MESO	HDAC11	cg20922324	0.212415706323492	87	2.00411107751701	0.0482422516760006	0.0451204322929081	0.140533897280764
MESO	HDAC11	cg21655280	-0.0973811661365591	87	-0.90209751611352	0.369554244807582	0.00948309151811612	0.568287630128308
MESO	HDAC11	cg25127083	-0.0323881333847528	87	-0.298760575349749	0.765851922453141	0.00104899118414854	0.870104777873317
MESO	HDAC11	cg25150878	-0.136478073028539	87	-1.27015034171881	0.20749700620398	0.0186262644175833	0.39245391798479
MESO	HDAC11	cg27025856	-0.261214258623855	87	-2.49489719076935	0.0145337282845716	0.0682328889084104	0.0569532973085819
MESO	HDAC2	cg00161229	-0.161910032595694	87	-1.51269597498808	0.134066246070048	0.0262148586551385	0.292275236710383
MESO	HDAC2	cg01129566	-0.0118671734698212	87	-0.109417638291099	0.913129151721914	0.000140829806162828	0.954079232140952
MESO	HDAC2	cg08198132	-0.3115949026033	87	-3.02327677962121	0.00330507750950479	0.0970913833283601	0.0177885152742781
MESO	HDAC2	cg10999867	0.0379729186669717	87	0.350345692124499	0.726945983683769	0.00144194255208845	0.845423008053207
MESO	HDAC2	cg13393754	-0.406078161645152	87	-4.09684674736078	9.52405097695917e-05	0.164899473365106	0.000924524609061095
MESO	HDAC2	cg15005908	-0.122024000403716	87	-1.13347599274346	0.260201300441778	0.014889856674526	0.455318621737132
MESO	HDAC2	cg15242771	-0.175861664412458	87	-1.64703363430367	0.103243474215813	0.0309273250099201	0.2436291695679
MESO	HDAC2	cg18387216	-0.153609764082975	87	-1.4332221158426	0.155462410978011	0.0235959596216271	0.323464300461667
MESO	HDAC2	cg18674783	-0.0437273088787809	87	-0.403531844887316	0.687570363139981	0.00191207754178031	0.820259418395653
MESO	HDAC2	cg22867643	-0.490654542273577	87	-5.19147257262466	1.40340035170431e-06	0.240741879853693	2.30621307478844e-05
MESO	HDAC2	cg24023618	0.123743976142914	87	1.14969947459241	0.253492256304093	0.0153125716316581	0.447524715463988
MESO	HDAC3	cg01947930	-0.00733191792185139	87	-0.0675987602161169	0.946263800918029	5.37570204127656e-05	0.971348500740479
MESO	HDAC3	cg01961137	-0.378129373081606	87	-3.76577927399191	0.00030503111482001	0.142981822787089	0.00247906294884119
MESO	HDAC3	cg04284814	-0.134248778601521	87	-1.24901912809968	0.215086911902222	0.0180227345560003	0.402116537082057
MESO	HDAC3	cg08520975	-0.22421235950634	87	-2.1211393648092	0.0368226653866597	0.0502711821554003	0.115191508407986
MESO	HDAC3	cg10414058	0.114032518693924	87	1.05823069578309	0.292948394451847	0.0130034153196802	0.490616507674474
MESO	HDAC3	cg11064797	0.301771262071874	87	2.91824091587145	0.00450337474477472	0.0910658946124519	0.022799397038592
MESO	HDAC3	cg11153694	0.0189486099718019	87	0.174728923049296	0.86170816287109	0.000359049819863471	0.926573296046796
MESO	HDAC3	cg12082871	-0.00364685002472731	87	-0.0336225195143996	0.973256993732615	1.32995151028536e-05	0.985955430860693
MESO	HDAC3	cg14098966	-0.26432745505339	87	-2.52685126159841	0.0133611835702678	0.0698690034950019	0.0534344374526704
MESO	HDAC3	cg17940889	-0.0591519512169838	87	-0.54631063920023	0.586283574748644	0.00349895333277644	0.75045085324357
MESO	HDAC3	cg18671773	-0.122117530631011	87	-1.13435793837935	0.259833396718754	0.0149126912874159	0.454807831525938
MESO	HDAC3	cg19549288	0.0425030872565684	87	0.392213531986447	0.695882169891477	0.00180651242633947	0.82567616143579
MESO	HDAC3	cg20642138	0.0337867215524189	87	0.311676127998074	0.756049867004685	0.00114154255326069	0.863934106834239
MESO	HDAC3	cg23421926	-0.0483774370310161	87	-0.446540774276734	0.656342261890122	0.00234037641368993	0.799713851919225
MESO	HDAC3	cg24385322	-0.058317709219397	87	-0.538579334904298	0.591584844029136	0.00340095520859815	0.754195299264231
MESO	HDAC6	cg07153944	0.0694551658315763	87	0.641895118360394	0.522668632973896	0.00482402006069177	0.702387044750666
MESO	HDAC6	cg07674520	0.00836247381758062	87	0.0771008950513909	0.938724478690933	6.99309683497214e-05	0.967222402408952
MESO	HDAC6	cg10783042	-0.035922907359245	87	-0.331406743253426	0.741152960584088	0.0012904552731409	0.854392899923449

MESO	HDAC6	cg12510923	0.089211693138551	87	0.825783829124727	0.411238511411516	0.00795872619264699	0.607072390144202
MESO	HDAC6	cg13178935	-0.0137633824982179	87	-0.126904137163956	0.899315996988163	0.00018943069779225	0.946832025424861
MESO	HDAC6	cg17152375	0.143350885773821	87	1.33542220206517	0.185303367726717	0.020549476452139	0.363959367979052
MESO	HDAC6	cg24616736	-0.038481329603537	87	-0.355043302766195	0.723436607466262	0.00148081272805605	0.84326516211296
MESO	HDAC6	cg26680189	0.130667402125073	87	1.21511197655349	0.227687881570783	0.0170739699781155	0.417398385405536
MESO	HDAC9	cg00332048	-0.263308645672546	87	-2.51638484774507	0.0137355241892522	0.0693314428859105	0.0545536002848157
MESO	HDAC9	cg02301805	0.0608563762123044	87	0.562109918144896	0.575520476389913	0.00370349852569353	0.742340495096778
MESO	HDAC9	cg03260621	-0.315936141643746	87	-3.07003299232397	0.00287322689243831	0.0998156455967369	0.0159066191908871
MESO	HDAC9	cg07513622	-0.0465471494096873	87	-0.42960916929275	0.668567048426823	0.00216663711816775	0.807867427233866
MESO	HDAC9	cg08146609	-0.285750886770929	87	-2.74912051353704	0.00729772453538091	0.081653569290372	0.0334601981791373
MESO	HDAC9	cg08285151	-0.325444241243179	87	-3.17319232745093	0.00209916576272437	0.105913954158348	0.012359229648481
MESO	HDAC9	cg08725366	-0.221618674947097	87	-2.0953268650191	0.0391172734246895	0.049114837085307	0.120484981145833
MESO	HDAC9	cg10068437	-0.175717272365537	87	-1.64563822649445	0.10353133078612	0.0308765598075844	0.244101116750278
MESO	HDAC9	cg11321459	-0.244941071328134	87	-2.32919717519179	0.0222212889018249	0.0599961284233739	0.0787842014779221
MESO	HDAC9	cg11765288	-0.10019444728493	87	-0.928419081778664	0.355819206201116	0.0100389272667327	0.55462139748762
MESO	HDAC9	cg12081743	-0.181287358032727	87	-1.69954808447262	0.0928729609296344	0.032865106182486	0.225907045292977
MESO	HDAC9	cg16475478	-0.00890920884809268	87	-0.0821421070928881	0.934726831250252	7.93740022989329e-05	0.965306429741649
MESO	HDAC9	cg18856632	-0.12306146823957	87	-1.14326054329899	0.256140189647616	0.0151441249652786	0.450407389195811
MESO	HDAC9	cg19585556	-0.244632521691988	87	-2.32607621889081	0.0223954802582282	0.0598450706693809	0.0792573010285053
MESO	HDAC9	cg20648975	-0.0893398301168856	87	-0.826979459223916	0.410564257935778	0.00798160524531397	0.606429632449608
MESO	HDAC9	cg21433125	-0.0847113344232922	87	-0.783817317808375	0.435326057066816	0.00717601017977485	0.628661196758191
MESO	HDAC9	cg23074799	0.116165680719628	87	1.07829487602848	0.283952737087887	0.0134944653770545	0.481228225366863
MESO	HDAC9	cg23385718	-0.25286362196373	87	-2.40959457226014	0.0181286169979201	0.0639400113126162	0.0675171213489178
MESO	HDAC9	cg24350771	-0.0475273532298843	87	-0.438676277947356	0.662009117891664	0.00225884930503819	0.803337139159919
MESO	HDAC9	cg25620356	-0.137270551716304	87	-1.27766687091927	0.204845455703044	0.0188432043684986	0.388989854784646
MESO	HDGF	cg00692559	-0.0620619977621441	87	-0.573288477856105	0.56796303266159	0.00385169156622838	0.736573803268691
MESO	HDGF	cg00746981	-0.0875867774237557	87	-0.810625508509294	0.419844629954679	0.00767144357947852	0.61518483279391
MESO	HDGF	cg01910231	-0.160681715540864	87	-1.50091469312915	0.137083274495322	0.0258186137091552	0.296938693993682
MESO	HDGF	cg02914429	-0.00329058700881638	87	-0.0303378774675229	0.975868709493297	1.08279628625911e-05	0.987329211303293
MESO	HDGF	cg04402095	-0.00239948550950236	87	-0.0221222270142795	0.98240230606821	5.75753071031181e-06	0.990846806060732
MESO	HDGF	cg05762852	0.0165856626728383	87	0.152933290579105	0.87881334764281	0.000275084206297181	0.935654535043039
MESO	HDGF	cg05967123	0.198772222868107	87	1.86990190113513	0.0649399859393177	0.0395103965839283	0.174469583718859
MESO	HDGF	cg06106793	0.0353610157814923	87	0.326216471619939	0.745062395344112	0.00125040143709895	0.856833870197793
MESO	HDGF	cg06119628	-0.312430906915698	87	-3.03226431156483	0.00321765902298928	0.0976130715961655	0.0174471712577144
MESO	HDGF	cg07313589	0.0937242857439493	87	0.867915617774022	0.387884316231671	0.00878424173821346	0.585761285593005
MESO	HDGF	cg07892339	0.0422556044133278	87	0.38992569219022	0.697566853172015	0.00178553610433565	0.826603439080941
MESO	HDGF	cg08597205	0.129071361263011	87	1.20001692552868	0.233466771309322	0.0166594162982868	0.424313475545215
MESO	HDGF	cg08708935	0.164183878319295	87	1.53452444379045	0.128614644767573	0.0269563458999651	0.283957248611767
MESO	HDGF	cg09063372	-0.0516328105135286	87	-0.476666800267127	0.6348225429603	0.00266594712152595	0.784898398231234
MESO	HDGF	cg09477492	-0.0430827365460423	87	-0.397572347729206	0.691942116424817	0.00185612218829569	0.823111902614163
MESO	HDGF	cg11588596	-0.206195994413946	87	-1.94278214402877	0.05535293554854	0.0425167881123562	0.155321247585598
MESO	HDGF	cg12220178	-0.136228349261818	87	-1.26778226872806	0.208337600908085	0.0185581631425998	0.39350803226852
MESO	HDGF	cg12421458	-0.0131972220748881	87	-0.121682972652732	0.903437311884216	0.000174166670493914	0.948820788151158
MESO	HDGF	cg13170934	-0.128814716081149	87	-1.19759051264427	0.23440547101753	0.0165932310790671	0.425346774892685
MESO	HDGF	cg13235992	-0.00970214784240411	87	-0.0894535936715593	0.928931873755329	9.41316727558667e-05	0.962382823104569
MESO	HDGF	cg14155849	0.0855148321865743	87	0.791306433615286	0.43096776039269	0.00731278652389796	0.624967771626609
MESO	HDGF	cg15503799	-0.018571740946681	87	-0.171252527171323	0.864432232283745	0.000344909561790626	0.92798886482325
MESO	HDGF	cg17170583	0.173513383790658	87	1.62435334109575	0.108003148775076	0.0301068943544841	0.251699977706127
MESO	HDGF	cg17218029	-0.185487102124258	87	-1.74030664950768	0.0854242471246155	0.0344054650544549	0.212778364523961
MESO	HDGF	cg17971171	-0.0901208974532393	87	-0.834268398152553	0.406468272799494	0.00812177615777727	0.602748571589635
MESO	HDGF	cg18593717	-0.201075504873659	86	-1.88131183451067	0.0633936502885062	0.0404313586601971	0.171320976535262
MESO	HDGF	cg19599803	-0.0185978409001126	87	-0.171493281574422	0.864243526264764	0.000345879686145902	0.927901526177471
MESO	HDGF	cg20284773	0.112843719628143	87	1.04705549612098	0.298042278913963	0.0127337050595151	0.496252323227448
MESO	HDGF	cg23747104	0.0112516607021308	87	0.103741753115678	0.917618675687789	0.000126599868555874	0.956585845875352
MESO	HDGF	cg26431298	-0.0675755318715731	87	-0.624442996334183	0.534009222496983	0.00456645250772599	0.710937052287159
MESO	HDGFL1	cg02685945	-0.0961487375402247	87	-0.890573607660495	0.375671812103654	0.00924457973057901	0.574221690751383
MESO	HDGFL1	cg03930485	0.0117698888811918	87	0.108520530747872	0.91383856388831	0.000138530284275602	0.954541119937501

MESO	HDGFL1	cg05276066	0.10690339187106	87	0.991281197543852	0.324361811754092	0.0114283351935375	0.523775381592449
MESO	HDGFL1	cg06566039	-0.039955974352965	87	-0.368670286780222	0.713290163587492	0.0015964798864948	0.836885528785542
MESO	HDGFL1	cg08671671	-0.00297086482509949	87	-0.02739014120509	0.978212766556098	8.82603780901341e-06	0.98869783888923
MESO	HDGFL1	cg09081892	-0.00582736967950708	87	-0.053726606067462	0.957279058917905	3.39582373816385e-05	0.977547775816274
MESO	HDGFL1	cg11894257	0.0749876914365022	87	0.693304381560734	0.49000871473978	0.00562315386697607	0.675965775086738
MESO	HDGFL1	cg15317945	0.148502966121508	87	1.38448087441641	0.169835088404615	0.0220531309468858	0.34346983796804
MESO	HDGFL1	cg20209681	0.0549602210282715	87	0.507475227221891	0.613135635290059	0.00302062589547646	0.7696994594873
MESO	HDGFL1	cg21898884	0.0584329424572036	87	0.539647186555234	0.590851297379116	0.00341440876420687	0.753729495569437
MESO	HIST1H1	cg00667898	-0.0498561974629892	87	-0.460223760246931	0.646530781769138	0.00248564042546857	0.79276551978041
MESO	HIST1H1	cg00700007	-0.0413147974963954	87	-0.381229113590147	0.703984494972267	0.00170691249216816	0.830951124979684
MESO	HIST1H1	cg03821311	0.127847305803499	87	1.18844647435738	0.237967442211499	0.0163449336012134	0.429548757567976
MESO	HIST1H1	cg04676561	-0.0348042240459678	87	-0.321073613513312	0.748942720428656	0.00121133401144192	0.859338560384637
MESO	HIST1H1	cg07138603	-0.0561113202605062	87	-0.51813712700237	0.605708694272258	0.00314848026137709	0.764292364724371
MESO	HIST1H1	cg11206041	-0.0497328762180803	87	-0.459082552747899	0.647346736570357	0.0024733589769229	0.793303382504283
MESO	HIST1H1	cg14334286	-0.0583112310797918	87	-0.538519303456299	0.59162609448145	0.00340019967004088	0.754235528073316
MESO	HIST1H1	cg18798248	-0.0639634749368428	87	-0.590924171540954	0.556139313654927	0.00409132612599611	0.727571333352473
MESO	HIST1H1	cg23460835	-0.0407950798038677	87	-0.376425413161129	0.707538642531837	0.00166423853620393	0.833317101028307
MESO	HIST1H1	cg00903962	-0.0679989389578374	87	-0.628373678603776	0.531444026021966	0.0046238556993917	0.709134614564911
MESO	HIST1H1	cg04290376	0.134407671178848	87	1.25052460840883	0.214539525895115	0.0180654220717214	0.401353594591299
MESO	HIST1H1	cg07750111	0.104201764657732	87	0.965951268047148	0.336808870206813	0.0108580077577854	0.536429375252306
MESO	HIST1H1	cg08283682	0.129792828061929	87	1.20683923912852	0.23084198400886	0.0168461782163135	0.421262694439594
MESO	HIST1H1	cg10717387	0.0239353360787134	87	0.22073613403681	0.825827246155403	0.000572900313200961	0.906322063580431
MESO	HIST1H1	cg12633985	-0.022879544005507	87	-0.21099420529159	0.833396816610728	0.000523473533899931	0.910651684352309
MESO	HIST1H1	cg15022984	-0.0328369405397995	87	-0.302904983063547	0.762702344094615	0.00107826466401433	0.868003341618884
MESO	HIST1H1	cg16481032	-0.072476411085815	87	-0.669961407660716	0.504698420229851	0.00525283016388004	0.687886695225065
MESO	HIST1H1	cg16482183	0.344815673229125	87	3.38675148571136	0.00107308869815019	0.118897848504455	0.0071186034095588
MESO	HIST1H1	cg17691542	0.526472574169018	87	5.70910648321188	1.62685062479521e-07	0.277173371352152	3.3706086752224e-06
MESO	HIST1H1	cg20855557	0.0236582375957674	87	0.21817924063366	0.827812413155822	0.000559712206137784	0.907452970836894
MESO	HIST1H1	cg23407813	-0.0294757219672465	87	-0.271870857924264	0.786380582010827	0.000868818185490415	0.882222670489329
MESO	HIST1H3	cg00958605	-0.0216712766006198	87	-0.1998462318917	0.84207818007849	0.000469644229500571	0.915500383495578
MESO	HIST1H3	cg01043409	-0.0944787293861626	87	-0.87496466740577	0.384058794735791	0.00892623030642375	0.582247922159179
MESO	HIST1H3	cg08041469	0.037307836684777	87	0.344200884579693	0.731545301709214	0.00139187467809799	0.848286358233464
MESO	HIST1H3	cg08401836	-0.0328765748880828	87	-0.303270986226809	0.762424388026313	0.00108086917637172	0.867881093638783
MESO	HIST1H3	cg10075390	-0.128664278469567	87	-1.19616833688826	0.234956927480129	0.0165544965540943	0.426083364428233
MESO	HIST1H3	cg15479139	-0.0270735443357687	87	-0.249697273549776	0.803423922073001	0.000732976802900835	0.89291770495517
MESO	HIST1H3	cg15797414	-0.148178318410234	87	-1.38138618672708	0.170780794130085	0.0219568140468847	0.34468079124545
MESO	HIST1H3	cg21209604	0.0438910831261766	87	0.405046126171556	0.686461204746718	0.00192642717798894	0.819522780750827
MESO	HIST1H3	cg23099349	-0.260899203459915	87	-2.49166812054473	0.0146572112564843	0.0680683943660183	0.0573389868493885
MESO	HIST1H3	cg25701114	-0.125658645483911	86	-1.1608821979307	0.248978278024393	0.0157900951848512	0.442457423259996
MESO	HLTF	cg00906762	-0.0907423118743946	87	-0.840068560164238	0.403226700453789	0.0082341671643099	0.59971356890418
MESO	HLTF	cg02059813	-0.17316429059902	87	-1.62098415981739	0.108725052983256	0.0299858715386619	0.25286473133258
MESO	HLTF	cg02398045	-0.187919155355282	87	-1.76395474380187	0.0813326076688931	0.0353136089494426	0.205368200233499
MESO	HLTF	cg02611507	-0.298980269228287	87	-2.88858793801244	0.00490792307931924	0.0893892013878192	0.0244184553615094
MESO	HLTF	cg02710346	0.0321075289196447	87	0.296169489240558	0.76782304751027	0.00103089341332582	0.871313506987396
MESO	HLTF	cg03678609	-0.282531361829377	87	-2.71544285531913	0.00801557590004365	0.0798239704171622	0.0359879789673917
MESO	HLTF	cg04120413	-0.308273767311425	87	-2.98764913368857	0.00367372043217475	0.0950327156123785	0.0193720094593286
MESO	HLTF	cg04731810	-0.306254318172107	87	-2.96604453593831	0.00391543004274419	0.0937917073990623	0.0204167145750547
MESO	HLTF	cg04836786	-0.138023239352587	87	-1.2848083037173	0.202349533166384	0.0190504146013814	0.385917616649808
MESO	HLTF	cg05555455	-0.286936440125091	87	-2.76154737566554	0.0070480223321947	0.0823325206716597	0.0325736527960748
MESO	HLTF	cg07275648	-0.221559744556218	87	-2.09474093232485	0.0391707636005369	0.0490887204078167	0.120616307138227
MESO	HLTF	cg09352720	-0.12714468548284	87	-1.18180741513223	0.24057788579771	0.0161657710465303	0.432628664996464
MESO	HLTF	cg09392355	-0.00362078575567842	87	-0.033382214067434	0.973448058132461	1.31100894885237e-05	0.986059951748808
MESO	HLTF	cg15438497	-0.398302175709445	87	-4.00343152163352	0.000133046861706751	0.158644623174878	0.00122997594291325
MESO	HLTF	cg16724124	-0.0748401461347156	87	-0.691932549023064	0.490865485544582	0.00560104747346558	0.676618537895998
MESO	HLTF	cg20117402	-0.178705928368995	87	-1.67454315738535	0.0976996676281805	0.0319358088342244	0.234148119022387
MESO	HLTF	cg21089667	0.0712583983377326	87	0.658644318285215	0.511904398699221	0.00507775933365897	0.693840827998921
MESO	HLTF	cg21111416	-0.330350601530273	87	-3.22684249860075	0.00177825074512912	0.109131519931413	0.0108050643182516

MESO	HLTF	cg21835021	-0.0869621497933491	87	-0.804800298432773	0.423180336597309	0.00756241549668088	0.618255917691763
MESO	HLTF	cg21926402	-0.122926556999303	87	-1.14198795595406	0.256665831965507	0.0151109384157029	0.451008803124427
MESO	HLTF	cg24041269	-0.121125360339722	87	-1.12500380200419	0.263754171901464	0.0146713529174274	0.459201308079191
MESO	HLTF	cg24710191	-0.0843892944856678	87	-0.780816131711287	0.437079838789823	0.00712155302378876	0.630039877399478
MESO	HLTF	cg25951608	-0.128834824601249	87	-1.19778061675086	0.234331827864767	0.0165984120300347	0.425301777008002
MESO	HLTF	cg26151310	-0.128866304698622	87	-1.19826731172202	0.234143366393214	0.0166116795388661	0.425096246007927
MESO	HLTF	cg27554556	-0.174585239471354	87	-1.63470202602072	0.105809888113945	0.0304800058412701	0.247975735264023
MESO	IDH1	cg00707300	0.0234065211537926	87	0.215856600632365	0.829616677534303	0.00054786523252294	0.908503776969039
MESO	IDH1	cg01046174	0.0508977330230735	87	0.469862915609534	0.639656190894017	0.00259057922688807	0.788287135481564
MESO	IDH1	cg02241586	0.392596846563927	87	3.93554647097726	0.000169150657601762	0.15413228393194	0.00150818409827753
MESO	IDH1	cg03448938	-0.192383399088015	87	-1.80745077090274	0.0742297148023903	0.0370113722446583	0.192416994879782
MESO	IDH1	cg05268564	-0.0355556384717017	87	-0.328014193501985	0.743707546294522	0.00126420342713035	0.856043754722465
MESO	IDH1	cg07129696	-0.192271490962602	87	-1.80635901691949	0.0744014719547235	0.0369683262369818	0.192720943936529
MESO	IDH1	cg07915542	0.0725873759720931	87	0.670992579956565	0.504044553011119	0.00526892715051399	0.68734472649255
MESO	IDH1	cg09406631	-0.13026601069493	87	-1.21131479309073	0.229131711599083	0.0169692335423717	0.419117619848084
MESO	IDH1	cg09615745	-0.103704048728281	87	-0.961287156335525	0.339134449196037	0.0107545297226378	0.538437109000341
MESO	IDH1	cg10356455	0.0262687224020823	87	0.242269256885985	0.809155124320404	0.000690045776637662	0.896890461974033
MESO	IDH1	cg14772913	-0.169899807603669	87	-1.58950814577511	0.115658527360108	0.0288659446237638	0.263924647210354
MESO	IDH1	cg15399923	0.064592973756772	87	0.596764019444638	0.552251135863274	0.00417225225874303	0.724546046356792
MESO	IDH1	cg16085695	-0.211193615589175	87	-1.99204090999756	0.0495765139721322	0.044602743265628	0.143373804012939
MESO	IDH1	cg16863783	-0.175619575772099	87	-1.64469414670764	0.103726451529556	0.030842235394372	0.244508604496866
MESO	IDH1	cg24324379	-0.126009009989181	87	-1.17108023652215	0.244839030143235	0.0158782705984535	0.43780750473056
MESO	IDH1	cg24830471	0.0703575587760697	87	0.650276131738178	0.5172676403847	0.0049501860769281	0.698228741256374
MESO	IDH1	cg24987806	-0.119600872524898	87	-1.11063765829719	0.269856275382232	0.0143043687087169	0.465915022572802
MESO	IDH1	cg25795625	-0.0775363687514346	87	-0.717008535549368	0.475334505602862	0.00601188847915844	0.663130974461005
MESO	IDH1	cg26105702	-0.0799348972656877	87	-0.739329128380702	0.461744060418164	0.00638958780087605	0.651319421881211
MESO	ING2	cg02075087	-0.212008394443672	87	-2.0000871082406	0.0486836179421896	0.0449475593145838	0.141459432047014
MESO	ING2	cg02552216	-0.178239235978375	87	-1.67002638839478	0.0985929270833897	0.0317692252421549	0.235736973491678
MESO	ING2	cg10348863	-0.0685149938541727	87	-0.633164914443685	0.528325845732709	0.00469430438283733	0.706751162866172
MESO	ING2	cg17985608	-0.051372705949277	87	-0.474259181572065	0.636531178299294	0.00263915491655088	0.786086503336512
MESO	ING3	cg01382559	-0.176718757416785	87	-1.65531886100011	0.101547639759544	0.0312295192229326	0.240921538729646
MESO	ING3	cg01416111	-0.210641448255604	87	-1.98659055547466	0.0501892566786663	0.0443698197232184	0.144677481000642
MESO	ING3	cg10268125	-0.0434713178674687	87	-0.40116497880244	0.689305380811833	0.0018897554771345	0.821380451786409
MESO	ING3	cg14303833	-0.0966297285421195	87	-0.895070652205588	0.373276982127086	0.00933730443812371	0.57185141228637
MESO	ING3	cg16130600	-0.0865877741465007	87	-0.8013093702896	0.42518690167626	0.00749744263164542	0.620024731193003
MESO	ING3	cg18485114	0.220246647124623	87	2.08169132155414	0.0403785576261024	0.0485085855696381	0.123246862676495
MESO	ING3	cg19478983	-0.0737371649467977	87	-0.681678797878509	0.497295281604371	0.00543716949439125	0.681750064094922
MESO	ING3	cg19960827	0.127568773492537	87	1.18581440559809	0.238999912383253	0.0162737919703903	0.430796802148863
MESO	ING3	cg20553930	0.0581845014915573	87	0.537344942872935	0.592433323598303	0.00338543621382103	0.754744742490075
MESO	ING3	cg24859794	0.291492983930311	87	2.80943808609692	0.00615704195532336	0.0849681596805964	0.0292847225405004
MESO	ING4	cg00369908	0.158180470535325	87	1.47694631237693	0.143385546420347	0.0250210612587767	0.306258173582574
MESO	ING4	cg00443163	-0.0763905510859292	87	-0.706350055979061	0.481902170477649	0.00583551629521197	0.669053904844257
MESO	ING4	cg00591160	-0.0248099367744576	87	-0.228806744961197	0.819568728106283	0.000615532962752586	0.902838182844563
MESO	ING4	cg03930474	0.0813705476275887	87	0.752695380372946	0.453712537414515	0.00662116602121367	0.644007392041614
MESO	ING4	cg04375284	-0.0916110926576916	87	-0.848179252122726	0.398720346307892	0.00839259229793616	0.595321778413454
MESO	ING4	cg08733494	-0.0440978605385911	87	-0.406958067925325	0.685061755129585	0.00194462130408103	0.818794465624246
MESO	ING4	cg12392916	-0.0936820116892816	87	-0.86752068018801	0.388099345889649	0.00877631931415071	0.585918618916326
MESO	ING4	cg18123790	0.135517192981162	87	1.26103988485813	0.210744699608812	0.0183649095934934	0.396513014246012
MESO	ING4	cg23354319	-0.125278460882491	87	-1.16418221044832	0.247607446078738	0.0156946927610859	0.440907655654856
MESO	ING4	cg27116036	-0.152617665657163	87	-1.42374407821122	0.158181126435482	0.0232921518706416	0.327240255023985
MESO	INO80	cg00734724	0.00890320440493148	87	0.0820867422750036	0.93477072627389	7.92670486759914e-05	0.965308083837773
MESO	INO80	cg06380007	0.143720056585402	87	1.33893374752653	0.184162069579336	0.0206554546649112	0.362536161770708
MESO	INO80	cg12580230	0.00978031898673942	87	0.0901743986076842	0.928360778774092	9.56546394823756e-05	0.962163451329503
MESO	INO80	cg18952654	0.280856125216848	87	2.69795868673393	0.00841310888411338	0.078880163071822	0.0373503048867612
MESO	INO80	cg21007089	0.0105611526013393	87	0.0973744465525327	0.922658278404269	0.000111537944268775	0.959358417896519
MESO	INO80	cg21598047	-0.177758971691402	87	-1.66537948231955	0.0995188376076836	0.0315982520167848	0.237454559344011
MESO	INO80	cg22835709	-0.278250757460254	87	-2.67082000389714	0.00906579510800028	0.0774234840272049	0.0395593709127089

MESO	INO80	cg26409855	0.236010995055137	87	2.23916953934282	0.0277563339465067	0.0557011897869161	0.0931795180953123
MESO	INO80	cg27441689	-0.277600099518113	87	-2.66405246300257	0.00923556583384442	0.0770618152524665	0.0400999948918955
MESO	INTS12	cg00093890	0.00976602332913658	87	0.0900425802713985	0.928465215869953	9.537521166524e-05	0.962194080000361
MESO	INTS12	cg01852585	0.197701739323541	87	1.85942081169616	0.0664272533294088	0.0390859777315534	0.177368860322912
MESO	INTS12	cg03607115	0.0440700622835272	87	0.406701031756601	0.685249829416194	0.00194217038967396	0.818843126625962
MESO	INTS12	cg19703969	0.0879010246837025	87	0.813556508515648	0.418172207046795	0.00772659014044488	0.613572001508195
MESO	INTS12	cg26533745	0.284576754794313	87	2.73682691653272	0.0075526722939343	0.0809839293692625	0.0343799057012478
MESO	IWS1	cg02372421	-0.024023853633358	87	-0.221552929978813	0.82519332550013	0.000577145543397009	0.906057635939607
MESO	IWS1	cg02592214	-0.120467747898523	87	-1.11880574942018	0.266374848112735	0.014512478283742	0.462117314109146
MESO	IWS1	cg10180764	-0.201966262853436	87	-1.9012162932132	0.0606620804318739	0.0407903713309833	0.165968414050686
MESO	IWS1	cg10488833	0.0225964148629322	87	0.208381857873134	0.835429341990971	0.000510597964657745	0.911827125972916
MESO	IWS1	cg15239145	0.163647925731309	87	1.52937715534931	0.129884104975459	0.02678064359616	0.285938366654239
MESO	IWS1	cg17144508	0.0568335986914517	87	0.524828188099107	0.601068823546379	0.00323005794022098	0.760899354937383
MESO	IWS1	cg18451256	-0.0904511019564484	87	-0.837350340356239	0.404743882077174	0.00818140184513583	0.601188828220233
MESO	IWS1	cg18530950	-0.154703888484859	87	-1.44368000974866	0.152504673308858	0.0239332931123357	0.319343989539697
MESO	IWS1	cg19311602	-0.0994356387787972	87	-0.921317344915902	0.359492347415117	0.00988744625934744	0.558439313622387
MESO	IWS1	cg19409088	-0.166343955967533	87	-1.55528403964545	0.12359410498551	0.0276703116869285	0.276353178984903
MESO	IWS1	cg21581038	-0.0080975652619085	87	-0.0746583106618591	0.940662003556892	6.55705631708672e-05	0.968318554824381
MESO	IWS1	cg21679674	-0.120132474430965	87	-1.11564634456349	0.267717710334635	0.0144318114129065	0.463426082147095
MESO	IWS1	cg22409775	-0.0222232771750501	87	-0.204939105204819	0.838109667723195	0.000493874048399103	0.91337035200844
MESO	IWS1	cg23570261	0.0371763779467026	87	0.342986369020144	0.732455522083293	0.00138208307723607	0.848886313165897
MESO	IWS1	cg23623107	-0.0867642628055276	87	-0.802955025509991	0.424240284931826	0.00752803730018666	0.61920083038651
MESO	JADE1	cg09863040	-0.271392171525276	87	-2.59968121359766	0.0110006558069537	0.0736537107652051	0.0459087504879651
MESO	JADE1	cg12832492	-0.293985663745724	87	-2.8357250721126	0.00571306485605377	0.086427570488014	0.0275913935567325
MESO	JADE1	cg14617908	0.010751666677707	87	0.0991311987915402	0.921267517683912	0.000115598336348515	0.95875266161713
MESO	JADE1	cg15389440	0.0255064279720404	87	0.23523417815946	0.814592777805658	0.000650577867892882	0.900224885027323
MESO	JADE1	cg15836763	-0.0991371985481044	87	-0.918524669419349	0.360943385684087	0.00982818413596627	0.559793836530095
MESO	JADE1	cg20039387	-0.134017263117193	87	-1.24682573360199	0.215886252696104	0.0179606268134229	0.403088973872215
MESO	JADE1	cg22922695	-0.227651239527431	87	-2.15543659434089	0.0339549116578968	0.0518250868583756	0.108284348508421
MESO	JADE1	cg26766900	-0.151617096818655	87	-1.41418958169009	0.160958713875708	0.0229877440477174	0.331040903826749
MESO	JADE2	cg04590931	-0.049076516484963	87	-0.453008991511055	0.651696527073234	0.00240850447029884	0.79640081727855
MESO	JADE2	cg04842522	0.13530545429402	87	1.25903280092261	0.211465188338356	0.0183075659617111	0.397494874150535
MESO	JADE2	cg17378563	-0.0858006891823411	87	-0.793971178923486	0.429423243899602	0.00736175826416471	0.623478524812879
MESO	JADE2	cg18145011	-0.079020135917048	87	-0.730814899641009	0.46690194334543	0.00624418188034875	0.656084855688277
MESO	JADE2	cg21194015	-0.0365156691892706	87	-0.336882508972152	0.737035846248157	0.00133339409634025	0.851771026116454
MESO	JADE2	cg25669900	-0.0256957570704689	87	-0.236981423684689	0.813241411912098	0.00066027193142455	0.899423059406693
MESO	JADE2	cg26133206	-0.00564585790972823	87	-0.0520530676191934	0.958608545099711	3.18757115368408e-05	0.978274245632826
MESO	JADE3	cg10860619	-0.0745563759526199	87	-0.689294266263432	0.49251551150291	0.0055586531951884	0.677969205893361
MESO	JADE3	cg17843048	-0.0638067239489279	87	-0.589470106195178	0.557109541386294	0.00407129802109469	0.728397007840632
MESO	JADE3	cg19194595	-0.0866367503902375	87	-0.801766037961819	0.424924090699829	0.00750592651818031	0.619814069872357
MESO	JARID2	cg01769037	0.0645531487061049	87	0.596394542126626	0.55249673134303	0.00416710900787249	0.724768236313504
MESO	JARID2	cg03223185	-0.132955775771333	87	-1.23677178113597	0.219578091156601	0.017677238310957	0.407566184994535
MESO	JARID2	cg05197191	-0.111128749780554	87	-1.03094208603779	0.305492546314484	0.0123495990277889	0.504011872885162
MESO	JARID2	cg06047828	-0.0131904902111706	87	-0.121620891726242	0.903486331490177	0.000173989032010987	0.948859460430743
MESO	JARID2	cg14862454	0.0400404050513561	87	0.36945057112208	0.712710714936951	0.00160323403667666	0.836505756872285
MESO	JARID2	cg15109221	0.0319558553430377	87	0.294768973051002	0.768889104119897	0.00102117669070515	0.87185222756861
MESO	JARID2	cg21397480	-0.0453167123481026	87	-0.418229103419862	0.676834377296497	0.00205360441804067	0.813322009104306
MESO	JARID2	cg21901688	-0.106141756386536	87	-0.984138029417879	0.327840693183631	0.0112660724488188	0.527346088653049
MESO	JARID2	cg25338254	0.0285013358700981	87	0.262876125413516	0.793282186358553	0.000812326146380138	0.886751651084537
MESO	JMJD6	cg02318866	-0.197937727499218	87	-1.86173077219229	0.0660970394452266	0.0391793439675545	0.17670549113722
MESO	JMJD6	cg04510639	-0.133302036595487	87	-1.24005093706407	0.218368941599516	0.0177694329605046	0.40604712199232
MESO	JMJD6	cg07312083	-0.276160955575168	87	-2.64909791164687	0.00962099896466532	0.0762648733841899	0.0413374568351471
MESO	JMJD6	cg08857478	-0.19875759736577	87	-1.86975865619829	0.0649601224072403	0.0395045825106137	0.174505603182045
MESO	JMJD6	cg10712116	0.08360275051917	87	0.773487128201644	0.441379995880482	0.00698941989437057	0.633998327139094
MESO	JMJD6	cg12504415	-0.109910476890884	87	-1.01950118536157	0.310858106743311	0.0120803129303815	0.509746749773174
MESO	JMJD6	cg15457598	0.0895572402422283	87	0.829008180608051	0.409421728363826	0.00802049927980419	0.605374221890701
MESO	JMJD6	cg21102709	-0.0842423469518354	87	-0.779446765813197	0.43788141896615	0.00709677301995342	0.630771665462888

MESO	JMJD6	cg21807925	-0.198445873921934	87	-1.86670588689962	0.0653905092400432	0.0393807648766401	0.175359001545035
MESO	JMJD6	cg23630158	-0.212309047789553	87	-2.00305725683314	0.0483575073640455	0.0450751317733069	0.140716837281311
MESO	JMJD6	cg25004679	-0.0412555187042317	87	-0.380681189852624	0.704389560618364	0.00170201782355521	0.831282050376144
MESO	JMJD6	cg25908504	-0.137741891767045	87	-1.28213863819079	0.203279925515464	0.0189728287475643	0.387122607724603
MESO	JMJD6	cg26612088	-0.232529454615436	87	-2.20423515253922	0.0302103373562474	0.0540699472637522	0.0992098857820891
MESO	JMJD8	cg00873473	-0.055830181427943	87	-0.515532927237504	0.607518960905206	0.00311700915827703	0.765495937263788
MESO	JMJD8	cg02851105	0.0170433296040079	87	0.157154561384401	0.875495739667318	0.000290475083990851	0.934129494475173
MESO	JMJD8	cg03899598	-0.160273109599001	87	-1.4969971793256	0.138098222726498	0.0256874696605335	0.298422587188478
MESO	JMJD8	cg05787952	0.0562417885390022	87	0.519345701622061	0.604869409357038	0.00316313877806584	0.763660145274455
MESO	JMJD8	cg06191810	-0.271497730727047	87	-2.60077281896046	0.010968340695059	0.0737110177899361	0.0458181332777437
MESO	JMJD8	cg06646636	-0.100019380275444	87	-0.926780473804968	0.356664577709009	0.0100038764306838	0.555510477052118
MESO	JMJD8	cg08398290	0.080742567352246	87	0.746848156927324	0.45721611452986	0.00651936218263198	0.647421606411526
MESO	JMJD8	cg26750188	0.0624873045018106	87	0.577232533435702	0.565308170506166	0.003904663223902	0.734768174203608
MESO	JMJD8	cg27579097	0.0615547476113898	87	0.568584934904121	0.571137045061967	0.00378898695350189	0.739093233587354
MESO	KAT2B	cg00770008	0.0481347783606295	87	0.444295734553355	0.657957919043947	0.00231695688782693	0.800928479134825
MESO	KAT2B	cg04371528	-0.148817410264354	87	-1.38747873347054	0.168922787505194	0.022146621597789	0.342218211749454
MESO	KAT2B	cg05072819	-0.153236987376294	87	-1.42966026518065	0.156479841052951	0.0234815743001625	0.324939080022243
MESO	KAT2B	cg12062464	0.10258470758126	87	0.95080043644678	0.344401438209781	0.0105236222295326	0.543650369008828
MESO	KAT2B	cg14937543	0.0865549927846111	87	0.801003711322961	0.425362861524718	0.00749176677594409	0.620128529252711
MESO	KAT2B	cg18053505	0.101133892416427	87	0.937213676803684	0.351304000801694	0.0102280641952975	0.550262623089579
MESO	KAT5	cg00582417	-0.131275666155637	87	-1.22086734465786	0.2255120756048	0.0172333005246063	0.414906378677005
MESO	KAT5	cg02561205	0.0586048458288816	87	0.541240233318869	0.589757767025233	0.00343452795462698	0.752824862603288
MESO	KAT5	cg05785768	0.0372437860454175	87	0.343609133946893	0.73198874210275	0.00138709959899683	0.848648583149875
MESO	KAT5	cg07564927	-0.127436464237809	87	-1.18456421234732	0.239491445338385	0.0162400524174345	0.431417453093898
MESO	KAT5	cg14726348	-0.159057452067425	87	-1.48534671169089	0.141151469749174	0.0252992730581813	0.303109212401447
MESO	KAT5	cg18896539	-0.11029862289785	87	-1.02314578888709	0.309142031206474	0.0121657862131622	0.50776995993027
MESO	KAT5	cg20108992	-0.135183549371266	87	-1.25787733644483	0.211880789878738	0.0182745920206136	0.398006813343955
MESO	KAT5	cg20423942	-0.027544522248569	87	-0.254044337520956	0.800074838287114	0.000758700705901912	0.890862822684965
MESO	KAT5	cg22048492	0.164084754859416	87	1.53357235700972	0.128848712505473	0.0269238067772746	0.284310663167994
MESO	KAT6A	cg10163397	0.196635495489389	87	1.84898811512827	0.0679359046106768	0.0386655180863575	0.180412567873387
MESO	KAT6A	cg12468056	0.179841620993749	87	1.68553956741603	0.0955524607237829	0.0323430086416593	0.230493275334759
MESO	KAT6A	cg15251374	-0.213065156647852	87	-2.01052947669687	0.0475453348833525	0.0453967609773737	0.13912889907525
MESO	KAT6A	cg20966972	0.255038327340007	87	2.43175297098862	0.0171256276451377	0.0650445484123883	0.0646294303398585
MESO	KAT6B	cg04396765	-0.0547690144896356	87	-0.505704400431795	0.614373123092011	0.00299964494816592	0.770659574143108
MESO	KAT6B	cg06972998	-0.152088371195026	87	-1.41868925483763	0.159645977106778	0.023130872652756	0.329280060504634
MESO	KAT6B	cg09631472	0.0595489747559681	87	0.549990441340294	0.583768274485994	0.00354608039448693	0.748668559621316
MESO	KAT6B	cg10359932	0.16832049894232	87	1.57429992832349	0.119133074993098	0.0283317903641916	0.269374754716264
MESO	KAT6B	cg10739686	0.055873530962141	87	0.515934467594791	0.60723967655313	0.00312185146217733	0.7653732667613
MESO	KAT6B	cg11128436	-0.00709678952568409	87	-0.0654308142493981	0.947984635554083	5.03644215718594e-05	0.972332042304703
MESO	KAT6B	cg11348552	0.191971959734349	87	1.80343720821697	0.0748627637137323	0.0368532333242464	0.193645015472854
MESO	KAT6B	cg15874302	-0.0487894496343651	87	-0.450352831594416	0.653602637023777	0.00238041039562425	0.797827800358188
MESO	KAT6B	cg15912797	0.149969584427212	87	1.39846705922168	0.165610823546093	0.0224908762532707	0.33776914261974
MESO	KAT6B	cg17147776	-0.016746609435203	87	-0.154417764863416	0.877646410141107	0.000280448927575231	0.935090390063922
MESO	KAT6B	cg18462764	-0.066667909690705	87	-0.616018262324979	0.539528631615719	0.00444461018252799	0.714876780315583
MESO	KAT6B	cg18491775	0.300978840760331	87	2.90981347303931	0.00461510434991298	0.0905882625854329	0.0232485545423253
MESO	KAT6B	cg24671245	0.0358756409990824	87	0.33097012517396	0.741481571378686	0.00128706161709504	0.854534937688268
MESO	KAT6B	cg26605858	0.130526915340166	87	1.21378289533682	0.228192495129074	0.0170372756282188	0.418076050033481
MESO	KDM1A	cg00062312	0.0841915358671873	87	0.778973282435008	0.438158780121927	0.00708821471167588	0.630913290929613
MESO	KDM1A	cg00541565	0.269302636294702	87	2.57809375275962	0.0116576528817156	0.0725239099152767	0.0480474409684867
MESO	KDM1A	cg04886391	-0.30703184854208	87	-2.97435750453765	0.00382073640803675	0.0942685560191665	0.0200141652499367
MESO	KDM1A	cg06958034	0.10981311856917	87	1.01858708679561	0.311289515079741	0.0120589210098867	0.510185322886137
MESO	KDM1A	cg07118078	-0.245930238957895	87	-2.33920761298783	0.0216706358947091	0.0604816824338875	0.0774318137421
MESO	KDM1A	cg07785945	0.234759320815586	87	2.22659959836208	0.0286184081752608	0.0551119387097951	0.0952975107262324
MESO	KDM1A	cg10499166	-0.149192771681127	87	-1.39105793150968	0.167838481163235	0.0222584831218968	0.340802537158402
MESO	KDM1A	cg12578844	-0.0961151798248443	87	-0.890259881999928	0.375839241324852	0.00923812779276215	0.574363441854799
MESO	KDM1A	cg22683154	-0.25412138909024	87	-2.42240536352651	0.0175425402847747	0.0645776803931529	0.0658355144441973
MESO	KDM1A	cg26662347	0.212642063934646	87	2.00634781224062	0.0479983994837919	0.045216647354386	0.14003853470755

MESO	KDM1B	cg11007366	-0.0863176062240373	87	-0.798790357014895	0.426638322193963	0.00745072914424797	0.621174357326916
MESO	KDM1B	cg15124342	-0.143856590758602	87	-1.34023260237978	0.183741269315537	0.020694718704688	0.362000919443167
MESO	KDM1B	cg20677365	-0.173354434181775	87	-1.62281920248637	0.108331383723868	0.0300517598504833	0.252253334892232
MESO	KDM1B	cg22406543	0.178563297869146	87	1.67316261900169	0.0979719889123525	0.0318848513459055	0.234605623955661
MESO	KDM1B	cg23073439	-0.182992194073367	87	-1.71608179750577	0.0897897626892392	0.0334861430917846	0.220475500241357
MESO	KDM1B	cg23860886	0.0559713993051233	87	0.516841018423088	0.606609355656667	0.00313279754017355	0.764938212636237
MESO	KDM1B	cg24342628	0.112290497018393	87	1.04185653229987	0.300432479077481	0.0126091557206378	0.498737661161571
MESO	KDM2A	cg05038268	-0.232873503979651	87	-2.20768338720927	0.029959946652855	0.0542300688557604	0.0985790335368693
MESO	KDM2A	cg05295919	-0.28757446942923	87	-2.76824085857899	0.0069167839949276	0.0826990754675031	0.0321052681444748
MESO	KDM2A	cg06320126	-0.0795769341914734	87	-0.735997130169087	0.463758704578656	0.0063324884553141	0.652989043692162
MESO	KDM2A	cg07283932	0.0311658604626062	87	0.287474683644186	0.77444858158998	0.000971310858374638	0.875001686000134
MESO	KDM2A	cg08836144	-0.199459917138041	87	-1.87663877935314	0.0639988601608599	0.0397842585447141	0.172566889444176
MESO	KDM2A	cg09993857	-0.109190650897081	87	-1.01274342984049	0.314056918918464	0.0119225982433282	0.51313179069462
MESO	KDM2A	cg11637544	0.228027167579675	87	2.1591909926164	0.0336531101909735	0.0519963891544092	0.10752164347832
MESO	KDM2A	cg16004548	0.0761925043232853	87	0.704508097060963	0.483042239518154	0.00580529771505384	0.669955214495904
MESO	KDM2A	cg18132081	0.310983919659468	87	3.01671327776732	0.00337030364235035	0.0967109982867663	0.0180820276933105
MESO	KDM2A	cg21293464	-0.245532702035295	87	-2.33518358205559	0.021890519751168	0.0602863077687528	0.0779696818996883
MESO	KDM2A	cg21711868	0.0135985971181246	87	0.125384464386527	0.900515267464421	0.000184921843581068	0.947517207237805
MESO	KDM2A	cg25597833	-0.180606886122056	87	-1.69295321648285	0.0941266590443099	0.0326188473147052	0.228058094982342
MESO	KDM2B	cg03486832	0.171783241082321	87	1.60766148342513	0.111617792941384	0.0295094819167467	0.257517376288917
MESO	KDM2B	cg05067991	-0.152935819386303	87	-1.42678308642878	0.157305443269332	0.0233893648513599	0.325974791659636
MESO	KDM2B	cg07020001	-0.0447810911585908	87	-0.413275849296933	0.680445282216417	0.00200534612535402	0.815682943243712
MESO	KDM2B	cg07529210	-0.0368414527506935	87	-0.339892156391208	0.734776212906122	0.00135729264078158	0.850460940112165
MESO	KDM2B	cg07793808	-0.0502805889345775	87	-0.46415121539268	0.64372599067711	0.00252813762360796	0.79087207389032
MESO	KDM2B	cg09151742	-0.0215363025495222	87	-0.198600960929662	0.843049156413517	0.000463812327504557	0.916146312515305
MESO	KDM2B	cg12251659	0.0492218040012875	87	0.454353344496701	0.650732675394754	0.00242278598914116	0.795772974135967
MESO	KDM2B	cg12888660	-0.218845177599204	87	-2.06777658494152	0.0417016931811185	0.0478932117584271	0.126201724085114
MESO	KDM2B	cg15234492	-0.00010713556832062	87	-0.0009877411407580	0.999214211215474	1.14780299993834e-08	0.999615570356721
MESO	KDM2B	cg15316703	-0.213566740738343	87	-2.01548845097296	0.0470127993883081	0.0456107527495988	0.137943768183066
MESO	KDM2B	cg16837338	-0.0930961255259376	87	-0.8620476328341	0.3910868325967	0.00866688858794114	0.588269024651257
MESO	KDM2B	cg17452615	0.00380773294424449	87	0.0351058176585274	0.972077673569009	1.44988301746848e-05	0.985249114542922
MESO	KDM2B	cg20055546	-0.0433077177454473	87	-0.399652390698644	0.69041504712979	0.00187555841631933	0.822123466293411
MESO	KDM2B	cg21249371	-0.0297916285524179	87	-0.274787213440639	0.784146512781362	0.00088754113180524	0.880931936622717
MESO	KDM2B	cg21781916	-0.0786804614479243	87	-0.727653821205798	0.468825159991957	0.00619061501365831	0.657777418010249
MESO	KDM2B	cg26218726	-0.130418129321582	87	-1.21275377167391	0.228583780074522	0.0170088884557409	0.418518830452997
MESO	KDM2B	cg26509318	0.123431525525662	87	1.14675154094971	0.25470214156508	0.0152353414935921	0.448947511066361
MESO	KDM3A	cg01744130	-0.257155515504467	87	-2.45336323195133	0.0161954733851455	0.0661289591543681	0.0618949298964505
MESO	KDM3A	cg02152982	-0.297211722317756	87	-2.86984017182222	0.00518068414514841	0.0883348078830866	0.0254999141023522
MESO	KDM3A	cg02972551	-0.112372058773248	87	-1.04262295511491	0.300079304812783	0.0126274795929383	0.498353423961011
MESO	KDM3A	cg03037033	-0.147738406910415	87	-1.37719348122613	0.172068439831043	0.0218266368764275	0.346452680286155
MESO	KDM3A	cg04793821	-0.0885230775474686	87	-0.819359149622615	0.414873030762933	0.00783633525847514	0.610452667962391
MESO	KDM3A	cg07052513	-0.0446947547052399	87	-0.412477470816035	0.681027998448391	0.00199762109816157	0.816005802739859
MESO	KDM3A	cg07211384	-0.322440507002742	87	-3.14048894761709	0.00232050248700651	0.103967880556185	0.0134052104284166
MESO	KDM3A	cg12888358	-0.296433311440898	87	-2.86159878754117	0.00530494264198086	0.0878727081318164	0.0259996665967529
MESO	KDM3A	cg18611949	-0.130916923054432	87	-1.21747276358545	0.226793555678157	0.0171392407420402	0.416348354503175
MESO	KDM3A	cg19139691	-0.208319764760926	87	-1.96369528932926	0.0528342398276844	0.0433971243900474	0.150160267907164
MESO	KDM3A	cg20191795	-0.13800307591715	87	-1.28461696532885	0.202416110351338	0.0190448489625946	0.386021204353631
MESO	KDM3A	cg20918903	-0.0435637535279383	87	-0.402019620083342	0.688678698476583	0.00189780062144296	0.821088416154934
MESO	KDM3A	cg22404242	-0.267339135783361	87	-2.55784416944143	0.0123059185227913	0.0714702135213942	0.0501497871458003
MESO	KDM3A	cg24749656	-0.117376537232127	87	-1.08969070901612	0.278929093779484	0.0137772514926049	0.475897226104947
MESO	KDM3B	cg00435490	0.256933547537904	87	2.45109582434011	0.0162909003113513	0.0660148478504121	0.0621607955082042
MESO	KDM3B	cg03315484	-0.0104691566714167	87	-0.096526145296646	0.923329935965112	0.000109603241410669	0.959697632985996
MESO	KDM3B	cg05191700	-0.083501300502836	87	-0.772541924946226	0.441936366345763	0.00697246718566492	0.634375822188436
MESO	KDM3B	cg05708550	-0.0199559978323906	87	-0.184021855456278	0.854434614746292	0.000398241849486378	0.922334583367881
MESO	KDM3B	cg05722427	0.0206604036196802	87	0.190520176002888	0.849355831392714	0.000426852277728095	0.919672459807989
MESO	KDM3B	cg15001364	0.169599541204896	87	1.58661571334241	0.116313030345805	0.0287640043769111	0.264946588273646
MESO	KDM3B	cg18682923	0.0538777205960349	87	0.497450566948834	0.620155768616749	0.0029028087766244	0.774731097947717

MESO	KDM3B	cg19076659	-0.0215328720938011	87	-0.198569311677723	0.84307383748648	0.000463664580608	0.916160335718602
MESO	KDM3B	cg24137987	0.0540126493501067	87	0.498699998553149	0.619278866388562	0.00291736628981758	0.774118060137295
MESO	KDM4A	cg00154982	0.034606282918197	87	0.319245384443263	0.75032369909236	0.00119759481741429	0.860061782857902
MESO	KDM4A	cg00979347	0.0815185861390551	87	0.754073921488299	0.452888785005285	0.00664527988611054	0.643289970970893
MESO	KDM4A	cg03587511	0.180912118876423	87	1.69591110166443	0.0935626612868922	0.0327291947563569	0.227144353768334
MESO	KDM4A	cg08552254	-0.284034406518031	87	-2.73115285878726	0.00767306147056861	0.0806755440860499	0.0348158730849469
MESO	KDM4A	cg10958452	-0.192701986283976	87	-1.81055924698446	0.0737424878350803	0.0371340555177899	0.191476793199589
MESO	KDM4A	cg10968649	0.133855745682864	87	1.24529562884095	0.216445157902648	0.0179173606523156	0.403714745705347
MESO	KDM4A	cg12293275	-0.0605148405473337	87	-0.558943640081652	0.57766984420669	0.00366204592646922	0.744164740784291
MESO	KDM4A	cg17737314	-0.0520328861669292	87	-0.480370230284077	0.632198161221121	0.00270742124286061	0.783162138407161
MESO	KDM4A	cg19743044	-0.090222192864137	87	-0.835213802723447	0.405938831498817	0.00814004408521354	0.602284924715713
MESO	KDM4A	cg20873046	-0.081595110949967	87	-0.754786543578501	0.452463292223901	0.00665776213093743	0.642879335097643
MESO	KDM4A	cg21451504	-0.191973134513106	87	-1.80344866669651	0.0748609500297003	0.036853684374787	0.193645015472854
MESO	KDM4A	cg22094309	-0.0847801953740226	87	-0.784459085592178	0.434951568805756	0.00718768152765745	0.62831452924953
MESO	KDM4A	cg24324755	-0.118309617141271	87	-1.09847563931847	0.275098652555504	0.0139971655081141	0.471607238832697
MESO	KDM4A	cg24505556	-0.230597732310333	87	-2.184890663172	0.0316492231103485	0.0531753141466681	0.102708287827311
MESO	KDM4A	cg25841161	0.0014028897937069	87	0.0129340175494879	0.989710744561611	1.96809977328697e-06	0.994436321090902
MESO	KDM4B	cg01098771	-0.0559916904509687	87	-0.517028976423458	0.606478706526643	0.0031350693995571	0.764868988440125
MESO	KDM4B	cg12072803	-0.173162019395221	87	-1.62096224195405	0.108729761944505	0.0299850849610309	0.25286473133258
MESO	KDM4B	cg18115693	0.045250399745194	87	0.417615846077608	0.677281032004807	0.00204759867709985	0.81354503069831
MESO	KDM4C	cg00121158	0.312500241044095	87	3.03301004389087	0.00321050273718128	0.0976564006526174	0.0174156509264543
MESO	KDM4C	cg00667760	0.142444412362186	87	1.32680225607596	0.188127527228721	0.0202904106132085	0.367598343587048
MESO	KDM4C	cg05545111	0.242578440378092	87	2.30531843845099	0.0235850887719063	0.0588442997362677	0.0825064482382263
MESO	KDM4C	cg14196303	0.0652818983141115	87	0.603155978860593	0.548010986790454	0.00426172624749399	0.721255442687565
MESO	KDM4C	cg14473811	0.263430720508685	87	2.51763846671233	0.0136901958154061	0.0693957445077251	0.0544402746646068
MESO	KDM4C	cg14497348	0.202604177096016	87	1.90747794725483	0.0598358053052589	0.0410484525767538	0.164320341637861
MESO	KDM4E	cg15555590	0.0532421876155113	87	0.491565938675103	0.624293219895218	0.00283473054208531	0.777416684102018
MESO	KDM4E	cg19409026	-0.120844263359023	87	-1.1223542558631	0.264872236471621	0.0146033359867849	0.460483807525504
MESO	KDM5B	cg00528052	-0.0798911130246087	87	-0.738921559708817	0.461990223587562	0.0063825899403108	0.651477648843888
MESO	KDM5B	cg00571448	0.0587678121966808	87	0.542750504529277	0.588721934542113	0.00345365575038435	0.752209607722122
MESO	KDM5B	cg02624558	0.00972216930864976	87	0.0896382085900914	0.928785599479458	9.45205760660514e-05	0.962340907690556
MESO	KDM5B	cg04504182	0.0872910119290051	87	0.8078671111658747	0.421422214270268	0.00761972076358971	0.616544170777847
MESO	KDM5B	cg08915090	0.270051193262707	87	2.5858227292771	0.0114184621246339	0.0729276469826118	0.0473017389619807
MESO	KDM5B	cg09889216	-0.250416587597547	87	-2.38470800293467	0.0193172266529958	0.062708467344	0.0708525090991055
MESO	KDM5B	cg11171004	-0.0952724761612092	87	-0.882382583184657	0.38005855976964	0.00907684471388818	0.57848318526158
MESO	KDM5B	cg11221497	-0.205134692225877	87	-1.93234207986902	0.0566479445967877	0.0420802419546055	0.15790140105208
MESO	KDM5B	cg13134514	-0.0610041677587793	87	-0.563480112058954	0.574591539728889	0.00372150848394129	0.741732613860168
MESO	KDM5B	cg13253785	0.0325234086091462	87	0.300009724515655	0.764902203290659	0.00105777210755749	0.869555070982432
MESO	KDM5B	cg13993945	-0.12810061564906	87	-1.19084044458773	0.237031156892676	0.0164097677296682	0.428416176175192
MESO	KDM5B	cg14560895	-0.245147622912529	87	-2.33128684950155	0.0221053281797827	0.0600973570196637	0.0785244762629652
MESO	KDM5B	cg21105875	-0.0758704052740478	87	-0.701512553212559	0.484899492023192	0.00575631839644827	0.671586240213601
MESO	KDM5B	cg24354901	-0.0260826753333839	87	-0.240552223277135	0.81048142455736	0.000680305952546711	0.897696791622111
MESO	KDM5B	cg27531483	-0.352423368339298	87	-3.47194025450164	0.000814750891273779	0.124202230551617	0.00565513301532409
MESO	KDM5C	cg01859586	-0.0465102367691055	87	-0.429267743422938	0.668814497717596	0.00216320212431826	0.807902905784733
MESO	KDM5C	cg04927657	0.278319822497984	87	2.671538588147	0.00904793621742743	0.0774619235953092	0.0394991666721969
MESO	KDM5C	cg04927982	-0.278426003185915	87	-2.67264342822226	0.00902054010758914	0.0775210392500833	0.0394149571517518
MESO	KDM5C	cg09554224	0.196690365350225	87	1.84952482409784	0.0678575983691303	0.0386870998216051	0.180272308422229
MESO	KDM5C	cg12234996	-0.421273729650296	87	-4.28250992040706	4.83729675234866e-05	0.177471555293471	0.000515496799386592
MESO	KDM5C	cg16417926	-0.144131565967433	87	-1.34284868942287	0.182895915577892	0.0207739083082244	0.360856345747205
MESO	KDM5C	cg16824069	-0.276279879230961	87	-2.65033294785772	0.00958862325725702	0.0763305716678742	0.0412142857436904
MESO	KDM5C	cg19903753	-0.404739850181997	87	-4.08069441274962	0.00010094020235648	0.163814346325346	0.000971488568863045
MESO	KDM5C	cg24985300	0.0612344254643126	87	0.56561493420911	0.573145656258997	0.00374965486194446	0.740591199784277
MESO	KDM5C	cg27526317	-0.179083479357076	87	-1.67819804711347	0.0969816852186809	0.0320708925786363	0.232936898944149
MESO	KDM6A	cg00751785	-0.205489642254703	87	-1.9358329406641	0.0562121034081946	0.0422259930739658	0.15702410759945
MESO	KDM6A	cg03267667	-0.0784748390232589	87	-0.725740381848154	0.46999147068889	0.0061583003597264	0.658642447215781
MESO	KDM6A	cg03478540	0.0301502991772974	87	0.278098453789204	0.781612136724204	0.000909040540480538	0.879325694858971
MESO	KDM6A	cg06877198	0.0279284343057103	87	0.257587920260702	0.797347538110031	0.000779997442768375	0.889149599778271

MESO	KDM6A	cg07167981	-0.135613400309466	87	-1.26195189813263	0.210417909385304	0.0183909943434954	0.396081369597376
MESO	KDM6A	cg11895950	-0.0974399606956439	87	-0.902647382949241	0.369263926957916	0.00949454594036863	0.567953457635859
MESO	KDM6A	cg14384228	-0.141075338853704	87	-1.31378974964753	0.192451868198263	0.0199022512326873	0.373134206964145
MESO	KDM6A	cg15923127	0.0230246530378394	87	0.212333102324594	0.832355531833539	0.000530134647512885	0.910043315379006
MESO	KDM6A	cg17824914	-0.0818315069192553	87	-0.756988018986981	0.451150286962093	0.00669639552467612	0.641778935130814
MESO	KDM6A	cg20211377	-0.0552678319295153	87	-0.510324230784416	0.611147051139462	0.00305453324618915	0.76815766874618
MESO	KDM6A	cg22133177	0.210652501622393	87	1.98669964193408	0.0501769298331942	0.0443744764397724	0.144647746218169
MESO	KDM6A	cg27306636	-0.178247136515288	87	-1.67010284212739	0.0985777521697213	0.0317720416758998	0.235722424992816
MESO	KDM6B	cg01046511	-0.221512198376728	87	-2.09426820808327	0.039213964964957	0.049067654029691	0.120725441864888
MESO	KDM6B	cg02308232	0.0165049793606126	87	0.152189121643643	0.879398435973483	0.000272414343694247	0.936046875299252
MESO	KDM6B	cg24893073	-0.231335032240868	87	-2.19227083408389	0.0310933604987029	0.0535158971418832	0.101365163082433
MESO	KDM8	cg00636124	0.182168031355814	87	1.70808697519326	0.0912700007428188	0.0331851916480528	0.22308214269784
MESO	KDM8	cg01755539	-0.00593612528859218	87	-0.0547293352754902	0.956482532212522	3.52375834418636e-05	0.977019042895837
MESO	KDM8	cg06329197	0.0572374879146909	87	0.528570106960261	0.598481157463795	0.00327613002278439	0.758970811023429
MESO	KDM8	cg08572679	-0.213826199486221	87	-2.01805427763845	0.04673927007357	0.045721643586721	0.137348799762147
MESO	KDM8	cg09140090	-0.197888511099794	87	-1.86124899171202	0.0661657971752387	0.0391598628252931	0.176840692117034
MESO	KDM8	cg10214171	0.195463653075959	87	1.83753005510178	0.0696257692498574	0.0382060396737988	0.183633953519915
MESO	KDM8	cg10221365	0.00513706268186737	87	0.0473620027072243	0.962335815965607	2.63894129974343e-05	0.980256828372825
MESO	KDM8	cg16752029	0.0826040102554811	87	0.76418297926938	0.446874403247978	0.00682342251028762	0.638537221495322
MESO	KDM8	cg24206694	0.108602423879197	87	1.00722232856858	0.31668665552732	0.0117944864724367	0.515965520652013
MESO	KDM8	cg24705286	0.374179963499862	87	3.72000439851792	0.000356628140166572	0.140010645084758	0.00282463139239649
MESO	KIAA202f	cg03495688	0.250567566896297	87	2.3862420585679	0.0192420016107506	0.0627841055803303	0.0706214837049513
MESO	KIAA202f	cg25608569	-0.0471032062510506	87	-0.434752667417106	0.664843731789066	0.00221871203912901	0.805432582275147
MESO	KMT2B	cg09284703	-0.303931666689165	87	-2.94125081114881	0.00421089078411564	0.0923744580164536	0.0216311435327187
MESO	KMT2B	cg13830730	-0.0952135581305346	87	-0.881831909871235	0.380354621012036	0.00906562165187668	0.578752638325125
MESO	KMT2B	cg15496871	0.0789073946574716	87	0.729765678623205	0.467539800610023	0.00622637693162997	0.656597294781003
MESO	KMT2B	cg24471867	-0.0213769799477362	87	-0.197131064148559	0.844195592887814	0.000456975271685917	0.916751845458556
MESO	L3MBTL1	cg01071811	-0.203426669142744	87	-1.91555512329092	0.0587840064013805	0.0413824097185115	0.16220490880676
MESO	L3MBTL1	cg01877937	-0.172153616732152	87	-1.61123345246139	0.110836216419805	0.0296368677539606	0.256298454912382
MESO	L3MBTL1	cg02177317	-0.353421960040797	87	-3.48317993018566	0.000785422492644964	0.124907081839079	0.00548435126046336
MESO	L3MBTL1	cg02472486	-0.0835693129656857	87	-0.773175589999274	0.441563329995556	0.00698383006955672	0.634097755222607
MESO	L3MBTL1	cg02611863	-0.153027735194469	87	-1.42766115185595	0.157053128238126	0.0234174877387485	0.325720902643475
MESO	L3MBTL1	cg03486259	-0.156839289956468	87	-1.46410638560386	0.146853534712481	0.0245985628740491	0.311297961236621
MESO	L3MBTL1	cg04984575	-0.255041790988674	87	-2.43178829398479	0.0171240691260356	0.0650463151507106	0.0646266838204442
MESO	L3MBTL1	cg06362543	-0.13756696617196	87	-1.28047895469193	0.203859929685096	0.0189246701817573	0.387780995425638
MESO	L3MBTL1	cg06446163	-0.125997245358093	87	-1.17096913664898	0.244883442493505	0.0158753058378274	0.437811409485823
MESO	L3MBTL1	cg06908806	-0.218788901473687	87	-2.06721811894612	0.0417555678353086	0.0478685834080626	0.126330363791856
MESO	L3MBTL1	cg07678583	-0.337125056193223	87	-3.30140404847255	0.00140786477322129	0.113653303513284	0.00891957261731226
MESO	L3MBTL1	cg08369943	-0.246790944514842	87	-2.34792433434713	0.0212010282615852	0.0609057702945278	0.0761350132752507
MESO	L3MBTL1	cg08633313	-0.0623906160744875	87	-0.576335871674202	0.565911207033552	0.00389258897415409	0.73507699721107
MESO	L3MBTL1	cg09541000	-0.0992732983623092	87	-0.919798201928362	0.360281211379378	0.00985518776773206	0.559193365936605
MESO	L3MBTL1	cg10360552	-0.225967331229885	87	-2.1386318240744	0.0353348153701817	0.0510612347831563	0.111609753823051
MESO	L3MBTL1	cg12699433	-0.0985741682196985	87	-0.913256754401184	0.363690689504677	0.0097168664020541	0.562607200368408
MESO	L3MBTL1	cg14306330	0.00776275609060736	87	0.0715712313758397	0.943111269397375	6.02603821222616e-05	0.969686210931503
MESO	L3MBTL1	cg15123011	0.0893746892026042	87	0.827304732147105	0.410380942000307	0.0079878350700621	0.60626246229461
MESO	L3MBTL1	cg15302378	-0.149374365383628	87	-1.39278970951775	0.167315757905563	0.0223127010337615	0.340060666488278
MESO	L3MBTL1	cg15330298	-0.128857278487199	87	-1.19799289550682	0.234249614338431	0.0166041982191274	0.425187619024263
MESO	L3MBTL1	cg15388309	-0.281065456917007	87	-2.70014197888218	0.00836250584045409	0.0789977910719658	0.0371723204018219
MESO	L3MBTL1	cg16862791	-0.320207671440214	87	-3.11624747502791	0.00249840318197354	0.102532952849164	0.0142315865225488
MESO	L3MBTL1	cg17091610	-0.302287880059762	87	-2.92373875722861	0.00443183514070703	0.0913779624310248	0.0225236939267108
MESO	L3MBTL1	cg17774347	-0.192962001606575	87	-1.81309667412723	0.073346743277878	0.037234334064016	0.190787342175777
MESO	L3MBTL1	cg18911945	-0.169346444901238	87	-1.58417801851921	0.116866931595749	0.0286782184006879	0.265912432774486
MESO	L3MBTL1	cg20091959	-0.41276676351108	87	-4.17805001286516	7.09663478584903e-05	0.170376401059412	0.000717633701456311
MESO	L3MBTL1	cg20252111	-0.30495500496473	87	-2.95216753122027	0.00407834985179324	0.0929975550530386	0.0210699394587862
MESO	L3MBTL1	cg20529070	-0.185322708281857	87	-1.73870936512595	0.0857066122346611	0.0343445062049223	0.213304120295068
MESO	L3MBTL1	cg22330467	-0.0106029038435272	87	-0.0977594386510359	0.922353472570649	0.000112421569915084	0.95922097809156
MESO	L3MBTL1	cg22457903	-0.260253926786141	87	-2.48505720205922	0.0149129595374669	0.0677321064076063	0.0581146264309751

MESO	L3MBTL1	cg22601123	-0.0313989303294288	87	-0.289626639703176	0.772807189553854	0.000985892825832322	0.874033725284649
MESO	L3MBTL1	cg23626798	-0.289052927586086	87	-2.78376663549837	0.00662092923219788	0.0835515949460873	0.0310002404663335
MESO	L3MBTL1	cg24343973	-0.199074535712197	87	-1.87286310180382	0.0645248915828475	0.0396306707690267	0.173589044453048
MESO	L3MBTL1	cg02358112	-0.206671032103425	87	-1.94745742244969	0.0547811940180897	0.0427129155106951	0.154195245945556
MESO	L3MBTL1	cg06235991	0.0111468598296925	87	0.102775355003994	0.918383349862123	0.000124252484062812	0.956976694729708
MESO	L3MBTL1	cg08053598	0.00332602409389568	87	0.0306645966127405	0.97560891320424	1.10624362731746e-05	0.987181912460793
MESO	L3MBTL1	cg09993119	-0.122384505143138	87	-1.13687555011826	0.258785191647011	0.0149779670991309	0.453462816447148
MESO	L3MBTL1	cg12821546	0.222848715398723	87	2.10756242641965	0.0380146190301685	0.0496615499548608	0.117910341407158
MESO	L3MBTL1	cg13843727	0.101420557043367	87	0.939897784676157	0.34993335219801	0.0102861293909869	0.548977881763572
MESO	L3MBTL1	cg14679202	-0.00272176753142925	87	-0.0250935497053406	0.980039163270065	7.4080184951425e-06	0.989733703752096
MESO	L3MBTL1	cg15283028	-0.110937181673477	87	-1.0291427438164	0.306332235162247	0.0123070582776541	0.504761711052526
MESO	L3MBTL1	cg19467356	0.0973695058699153	87	0.90198846644301	0.36961183783919	0.00948082067335146	0.568340839175973
MESO	L3MBTL1	cg24240981	-0.125965815094209	87	-1.17067232586589	0.24500212129159	0.0158673865723485	0.437882014080732
MESO	L3MBTL1	cg26947834	0.136692318879905	87	1.27218218243044	0.206777762055328	0.0186847900407655	0.391512381564296
MESO	L3MBTL1	cg27177954	-0.352343162636962	87	-3.4710380854313	0.000817149273396318	0.124145704257017	0.00566874536959097
MESO	L3MBTL1	cg03454037	-0.0191817387583986	87	-0.176879436675537	0.860023877199469	0.00036793910179545	0.925553836745799
MESO	L3MBTL1	cg07826275	-0.0291171337836138	87	-0.268560577359748	0.788918586506129	0.000847807479772864	0.883855130024739
MESO	L3MBTL1	cg08106148	-0.19849537596205	87	-1.86719063074665	0.0653220094780265	0.0394004142783154	0.175223626955401
MESO	L3MBTL1	cg08358392	-0.393260708877905	87	-3.94341755769189	0.000164527314343143	0.154653985147152	0.00147337836905842
MESO	L3MBTL1	cg09710740	-0.225086585823929	87	-2.1298503758627	0.0360750807367101	0.050663971117873	0.113432150310481
MESO	L3MBTL1	cg10237990	-0.111252817754295	87	-1.03210748166259	0.304949527503682	0.0123771894582703	0.503464421532713
MESO	L3MBTL1	cg16487825	0.166338497887959	87	1.55523155546766	0.123606598685772	0.0276684958796227	0.276357285189278
MESO	L3MBTL1	cg16800851	-0.298857985762303	87	-2.88729060383911	0.00492636366450821	0.0893160956539006	0.0244867123453295
MESO	L3MBTL1	cg18411550	-0.208034406135462	87	-1.96088363139981	0.0531670893672303	0.0432783141361342	0.150887998748657
MESO	L3MBTL1	cg18798995	-0.192602789206803	87	-1.80959131092649	0.0738939174030185	0.0370958344102401	0.191757402443473
MESO	L3MBTL1	cg22934935	-0.111063861988205	87	-1.03033260129333	0.305776796938573	0.012335181439735	0.504305797049743
MESO	L3MBTL1	cg24516147	-0.143781655129048	87	-1.33951972717623	0.183972135306844	0.0206731643516485	0.362299782144664
MESO	LBR	cg01017344	-0.0812518085486489	87	-0.751589713106531	0.454373854218507	0.00660185639242629	0.644675535565831
MESO	LBR	cg05530459	0.0975950504879686	87	0.904097881551808	0.368498787687899	0.00952479387974913	0.567348691604504
MESO	LBR	cg12994003	-0.184641594107113	87	-1.73209312865316	0.0868844053864558	0.034092518274416	0.215386799731064
MESO	LBR	cg14607642	-0.170822905490782	87	-1.59840310281685	0.113664215275999	0.0291804650403125	0.260886743831849
MESO	LBR	cg18107727	-0.0631164295924611	87	-0.583067265339262	0.561391803894238	0.0039836836845001	0.731857734436555
MESO	LBR	cg18289048	0.206076452874483	87	1.94160585298984	0.0554975789073889	0.0424675044293288	0.155579356008868
MESO	LBR	cg18764107	0.147179696959763	87	1.37186973650464	0.173714082082237	0.0216618631971677	0.348737150047883
MESO	LBR	cg19322477	-0.330747048771344	87	-3.23119030595048	0.00175436308966035	0.109393610270953	0.0106857909643781
MESO	LBR	cg20483690	-0.19605490394735	87	-1.84331017107674	0.0687689628531626	0.0384375253618047	0.181957893019441
MESO	LBR	cg26930584	-0.221353492040037	87	-2.09269039619865	0.0393584563732533	0.0489973684383189	0.121068091201806
MESO	MBD1	cg01719254	-0.165230791005131	87	-1.54458302617637	0.126162268189671	0.0273012142961814	0.280235066732119
MESO	MBD1	cg03841029	-0.0913325161307795	87	-0.845578328553411	0.400162064375983	0.00834162850277909	0.596718504017045
MESO	MBD1	cg05549078	-0.267608301639468	87	-2.56061803990814	0.0122152361224018	0.0716142031063604	0.0498594930954471
MESO	MBD1	cg12090413	-0.230246148645074	87	-2.18137280727924	0.031917221071077	0.0530132889658893	0.103353658674799
MESO	MBD1	cg13478031	-0.232011474965209	87	-2.19904535102179	0.0305906400558267	0.0538293245155318	0.100137523774584
MESO	MBD1	cg14389183	-0.331583578254808	87	-3.2403707695551	0.00170490680800361	0.109947669368262	0.0104417824139374
MESO	MBD1	cg19328682	-0.132680250171378	87	-1.23416283067536	0.220543598521269	0.0176040487855394	0.408763785333339
MESO	MBD1	cg21282183	0.161816285671504	87	1.51179655688809	0.13429471681863	0.0261845103085217	0.292580232512761
MESO	MBD2	cg15090185	-0.134756503984456	87	-1.25383008500833	0.213341256562121	0.0181593153661127	0.39975599665182
MESO	MBD2	cg16852837	-0.159035908429937	87	-1.48514030713911	0.141206034621661	0.0252924201701354	0.303184540112538
MESO	MBD2	cg17987217	-0.12845867689859	87	-1.19422479936495	0.235712055665204	0.0165016316705364	0.426986991541428
MESO	MBD2	cg22224310	-0.125274618814083	87	-1.16414593778062	0.24762206226048	0.0156937301190139	0.440923589724915
MESO	MBD2	cg22836370	-0.139291543685241	87	-1.29684700214247	0.198193196881913	0.0194021341422173	0.380741405952039
MESO	MBD2	cg23388714	-0.0166344109374173	87	-0.153382913430821	0.878459873051684	0.000276703627234869	0.935421717494005
MESO	MBD2	cg24881765	-0.203419585537059	87	-1.91548554163329	0.0587930000834939	0.0413795277800687	0.162212464480612
MESO	MBD2	cg25192916	0.0884225115061237	87	0.818420982957216	0.415405375470481	0.00781854054105059	0.611027941675816
MESO	MBD3	cg08660999	0.00811199066167355	87	0.0747913193815961	0.940556488087244	6.58043924950789e-05	0.968318554824381
MESO	MBD3	cg09174855	-0.0455851680589883	87	-0.420711832015551	0.675027310895647	0.00207800754696621	0.812066226824234
MESO	MBD3	cg12286540	-0.096390572741918	87	-0.89283457660232	0.374466564109768	0.00929114251351498	0.573133939725256
MESO	MBD5	cg03890220	0.214177204611202	87	2.02152613262632	0.0463713244554368	0.0458718749750686	0.136510275569014

MESO	MBD5	cg04152151	-0.0300063184438018	87	-0.276769213565601	0.782629236356969	0.000900379146550839	0.879913557919935
MESO	MBD5	cg05218490	-0.103900456478957	87	-0.963127612174089	0.338215527557903	0.0107953048565356	0.537653255354288
MESO	MBD5	cg06394585	0.248211655377013	87	2.36232541813772	0.0204449228725036	0.061609025864997	0.0740525531064548
MESO	MBD5	cg06758980	0.0928867810802068	87	0.860092263994476	0.392157616106022	0.00862795409944227	0.589198300192203
MESO	MBD5	cg20595490	0.0811774365849303	87	0.750897197230696	0.454788340204569	0.00658977621050038	0.645040094402345
MESO	MBD5	cg21412502	-0.161318690651159	87	-1.50702327957291	0.135512359496979	0.0260237199534043	0.294436127507887
MESO	MBD5	cg23120335	-0.172195110477089	87	-1.61163366939515	0.110748920266464	0.0296511560722169	0.256165120661531
MESO	MBD5	cg25686162	0.147624001610832	87	1.37610324501188	0.172404476583573	0.021792845851595	0.346940707003531
MESO	MBD5	cg26664634	0.030926597645605	87	0.28526559631574	0.77613461804192	0.000956454441933141	0.876092611815588
MESO	MBTD1	cg01388767	0.104913602587775	87	0.972623199792805	0.333500356816929	0.0110068640079455	0.53308799947021
MESO	MBTD1	cg14577476	0.0433927584345061	87	0.400438642408432	0.689838151699328	0.0018829314845554	0.821731356922843
MESO	MBTD1	cg17045523	0.103929929433788	87	0.963403800873346	0.338077769785381	0.0108014302321121	0.53751235963506
MESO	MBTD1	cg18711617	0.0463294544682813	87	0.427595611198083	0.670026908274714	0.00214641835132855	0.808811439191293
MESO	MBTD1	cg22141797	-0.0256875024771239	87	-0.236905244682765	0.813300319001898	0.000659847783512248	0.899423059406693
MESO	MBTD1	cg25259117	0.109519912834964	87	1.01583435344258	0.312591092449423	0.0119946113073781	0.511585632305516
MESO	MBTD1	cg25716740	0.256734318635832	87	2.44906105046075	0.0163769642621692	0.0659125103654051	0.0624157141784827
MESO	MBTD1	cg25855326	-0.0318453115246605	87	-0.293748251696516	0.769666345729361	0.00101412386610267	0.87229824302778
MESO	MBTD1	cg27207041	-0.0932764410898282	87	-0.863731951638412	0.390165929401592	0.00870049446238419	0.58760174836642
MESO	MBTD1	cg27214721	0.107350384618259	87	0.995474239772629	0.322331142874317	0.0115241050776881	0.521766086186385
MESO	MBTD1	cg27353579	0.063498537407686	87	0.586611410569558	0.559019454182763	0.00403206425291529	0.729890896893254
MESO	MLLT10	cg00879184	-0.176208974048577	87	-1.65039049146841	0.102553645567736	0.031049602535252	0.242561121472705
MESO	MLLT10	cg03524461	-0.355340064597261	87	-3.50480743441728	0.000731772031607905	0.126266561507985	0.00517287355083192
MESO	MLLT10	cg04188362	-0.13657674869867	87	-1.27108612836379	0.20716552125403	0.0186532082850996	0.392036647946582
MESO	MLLT10	cg05913198	0.186887993226741	87	1.75392415104218	0.0830479178658459	0.0349271220123183	0.208441029922749
MESO	MLLT10	cg06398735	-0.104246187733745	87	-0.966367593708	0.336601794082874	0.0108672676570192	0.536227550404094
MESO	MLLT10	cg11443787	-0.0891509503417666	87	-0.82521706013846	0.411558363873567	0.00794789194684013	0.607286875423082
MESO	MLLT10	cg15910013	-0.0195934635741635	87	-0.180677493213017	0.85705082052025	0.000383903814832071	0.923921010896951
MESO	MLLT10	cg19119538	-0.116855176326029	87	-1.08478338152418	0.281084806890293	0.0136551322341873	0.478284990205898
MESO	MLLT10	cg20569108	-0.0822197741818639	87	-0.760604099491556	0.448998351877764	0.00676009126651669	0.640247128061616
MESO	MLLT10	cg23344688	-0.109671994043683	87	-1.01726211944305	0.311915545825887	0.0120279462775175	0.510826009408138
MESO	MLLT10	cg26877631	-0.323931384530736	87	-3.15670765630224	0.00220814786194845	0.104931541883999	0.012862647306059
MESO	MLLT10	cg27470303	-0.157918367063798	87	-1.47443638185796	0.144058388904558	0.0249382106560964	0.307256629556429
MESO	MLLT10	cg27572529	-0.171051177635623	87	-1.60060339725441	0.113175169964843	0.0292585053705333	0.260237324788515
MESO	MLLT6	cg05652455	-0.186618912235553	87	-1.75130766520433	0.0835002306184521	0.0348266184039812	0.209205054451912
MESO	MORF4L	cg03589001	-0.0364469031258113	87	-0.336247249429234	0.737513093655378	0.00132837674746227	0.85219596892427
MESO	MORF4L	cg07757959	0.0809966130166387	87	0.749213507970785	0.455796968951673	0.00656045132016712	0.646093719185628
MESO	MORF4L	cg08692282	-0.177432417857169	87	-1.66222053865728	0.100152288610199	0.0314822629066409	0.238505131788711
MESO	MORF4L	cg13747872	-0.156337712801153	87	-1.45930662424896	0.148166561138317	0.0244414804438959	0.313108997370104
MESO	MORF4L	cg15822222	-0.0780492308700349	87	-0.721780139832686	0.472410556669003	0.00609168243940401	0.660479583575096
MESO	MORF4L	cg20775702	-0.222130336502902	87	-2.10041522580097	0.0386554025054068	0.0493418863948926	0.119416979688095
MESO	MORF4L	cg20905746	0.22444371014166	87	2.12344407503745	0.0366235785256701	0.0503749790221536	0.114728138864947
MESO	MORF4L	cg23623458	-0.196327263502704	86	-1.83508268881868	0.0700329312106424	0.0385443943944603	0.184457673706687
MESO	MORF4L	cg24795825	0.150971094991111	87	1.408023234352	0.162771146315802	0.0227922715228151	0.333463738880033
MESO	MPHOSF	cg00331616	-0.08857955567536	87	-0.819886037324174	0.414574238480644	0.0078463376836442	0.610139963078439
MESO	MPHOSF	cg03134886	0.205289712316792	87	1.93386657269655	0.0564572577210985	0.0421438659831114	0.157520032878653
MESO	MPHOSF	cg03428000	0.289322350114384	87	2.78659826690031	0.00656823565095468	0.0837074222757103	0.0307942701277869
MESO	MPHOSF	cg04203901	-0.108024286792785	87	-1.00179697471748	0.319285069918233	0.0116692465370899	0.51863490205502
MESO	MPHOSF	cg06019692	-0.276389391022308	87	-2.65147035731182	0.00955889424998339	0.0763910954696822	0.0411137623311333
MESO	MPHOSF	cg09559995	-0.305930727487134	87	-2.96258679686142	0.0039554524485257	0.0935936100208072	0.0205867711099624
MESO	MPHOSF	cg11051893	0.3243459693733	87	3.1612224332774	0.00217778677607501	0.105200307848706	0.0127191249593077
MESO	MPHOSF	cg19693579	0.0881570695413291	87	0.815944832724987	0.416812390529557	0.00777166891011473	0.612335117111485
MESO	MPHOSF	cg20759595	-0.123219861086902	87	-1.14475470949864	0.255523996049801	0.0151831341662755	0.449794853344305
MESO	MPHOSF	cg20952532	-0.0617674679249604	87	-0.570557357603659	0.56980498261756	0.00381522009386101	0.738002943822431
MESO	MPHOSF	cg21958444	-0.394294275321028	87	-3.95568657387911	0.000157561123774134	0.155467975550935	0.00141949161122003
MESO	MPHOSF	cg22656705	-0.340363864040334	87	-3.33725454628819	0.00125678463902825	0.115847559944467	0.00812180629743839
MESO	MSH6	cg00620552	-0.0801086067718127	87	-0.740946157936715	0.460768142416491	0.00641738887892092	0.650473575856505
MESO	MSH6	cg02905881	0.132791552018655	87	1.23521671218485	0.220153210922009	0.0176335962875232	0.40834006223992

MESO	MSH6	cg05039065	0.161732266076502	87	1.51099049955001	0.134499732251137	0.0261573258902403	0.292908352576703
MESO	MSH6	cg07652213	0.0457212106322689	87	0.42197001400086	0.674112263503639	0.0020904291016803	0.811605500688727
MESO	MSH6	cg09898070	-0.138355589719279	87	-1.287962335623	0.201254410717013	0.0191422692065694	0.384526081898818
MESO	MSH6	cg11869233	-0.0199000401273636	87	-0.183505643435606	0.854838328176309	0.000396011597070682	0.922603952582517
MESO	MSH6	cg16595246	-0.132447341233981	87	-1.231957644344499	0.221362096281068	0.0175422981999507	0.409739730974
MESO	MSH6	cg18222961	0.0526996836424346	87	0.486543173610742	0.627834269398976	0.00277725665601269	0.780082400115379
MESO	MSH6	cg19076255	-0.139377342019697	87	-1.29766163110343	0.197914260249335	0.0194260434684757	0.38038694440747
MESO	MSH6	cg19736286	0.215711992660723	87	2.03671666055339	0.0447904846437489	0.0465316637776599	0.133116132330228
MESO	MSH6	cg21405109	0.0224094429237342	87	0.206656751582108	0.836772167727411	0.000502183132152102	0.912601346084203
MESO	MTA1	cg01318265	-0.400565545220226	87	-4.03051445732374	0.000120813158783384	0.160452756017577	0.00113303663344118
MESO	MTA1	cg01655777	0.0117421479851998	87	0.10826471929456	0.914040866573469	0.000137878039306333	0.954617411651983
MESO	MTA1	cg05922925	-0.280699809815457	87	-2.69632861773317	0.00845107120123656	0.078792383230434	0.0374824762274229
MESO	MTA1	cg13052453	-0.0606881406964566	87	-0.560550230790798	0.576578760006904	0.00368305042119292	0.743237250306165
MESO	MTA1	cg13981078	-0.14802124946628	87	-1.37988909902527	0.171239727525595	0.0219102902935587	0.345380002052817
MESO	MTA1	cg16531924	-0.271907043192304	87	-2.60500654632731	0.0108438189635465	0.0739334401375813	0.0454223590593441
MESO	MTA1	cg20222911	-0.349439570817194	87	-3.4384364641511	0.000908429506920527	0.122108013652905	0.00619970002852483
MESO	MTA1	cg21517792	-0.133073202590698	87	-1.23788378374566	0.219167506599655	0.0177084772477451	0.407071687974364
MESO	MTA1	cg23123838	-0.222413986134375	87	-2.10323684462954	0.0384013223192606	0.0494679812281819	0.118778277941416
MESO	MTA1	cg23883989	-0.226297292478532	87	-2.14192311545651	0.0350607817468516	0.0512104645831143	0.110996559443884
MESO	MTA1	cg23966123	-0.361248733078592	87	-3.57175090938629	0.000586827032279222	0.130500647150888	0.00429500631753973
MESO	MTA2	cg00501779	0.0200320867938039	87	0.184723781882159	0.853885722077335	0.000401284501314493	0.92210033264321
MESO	MTA2	cg07654871	-0.15701861469309	87	-1.46582268626361	0.146386226560943	0.0246548453601372	0.310595120935007
MESO	MTA2	cg09086761	-0.00833098629223727	87	-0.0768105640720046	0.93895475807646	6.94053326014453e-05	0.967381567039171
MESO	MTA2	cg13708959	-0.024303570525095	87	-0.224134052611041	0.823190863713062	0.000590663540268268	0.904842315704835
MESO	MTA2	cg19570317	0.0566390917643428	87	0.523026229040381	0.602316772116669	0.00320798671588964	0.761710655450608
MESO	MTA2	cg21002970	-0.0504915483798078	87	-0.466103595591956	0.642333615094022	0.00254939645779047	0.78997997713722
MESO	MTF2	cg05396182	-0.00897555615076036	87	-0.0827538723791462	0.934241817360829	8.05606082154522e-05	0.965082168425245
MESO	MTF2	cg05962718	-0.15323761279299	87	-1.42966624046166	0.15647812994159	0.0234817659744944	0.324939080022243
MESO	MTF2	cg09936581	0.0242704956310485	87	0.223828847152016	0.823427584482488	0.000589056958176743	0.904987433525432
MESO	MTF2	cg11404133	0.0393458053378133	87	0.36303151352204	0.717482572130235	0.0015480923976811	0.83955055000977
MESO	MTF2	cg14474880	-0.340813764245086	87	-3.342245089522	0.0012370037583354	0.116154021898905	0.00801661699233121
MESO	MTF2	cg15463775	-0.440884992570636	87	-4.52865821562951	1.92073889864775e-05	0.19437957667401	0.000231231757786139
MESO	MTF2	cg16813892	-0.013346444405015	87	-0.123059098136508	0.902350808499603	0.000178127578256157	0.948383890356645
MESO	MTF2	cg19708337	0.167860766132308	87	1.56987520476938	0.120159457450964	0.0281772368065253	0.270947386462038
MESO	MTF2	cg22801127	-0.0540467218419507	87	-0.499015511971189	0.619057513264481	0.00292104814186119	0.773948737435067
MESO	MTF2	cg23992808	-0.0178039680984649	87	-0.164170496949405	0.86998668241508	0.000316981280051155	0.931048037910619
MESO	MTF2	cg26054395	-0.309354479455566	87	-2.99922918168205	0.00354992083328346	0.0957001939592242	0.0188571212908469
MESO	NAP1L2	cg02379437	-0.159114004005936	87	-1.4858885329447	0.141008312972887	0.025317266270801	0.302877041786206
MESO	NAP1L2	cg04297329	-0.243075771154968	87	-2.31034124156866	0.0232922296048742	0.0590858305225822	0.081723716005494
MESO	NAP1L2	cg07693661	-0.00321097646445782	87	-0.0296038928793258	0.976452359289541	1.03103698553021e-05	0.987547669017307
MESO	NAP1L2	cg20001978	-0.273398587396563	87	-2.62044729014432	0.0104004411430649	0.0747467875904362	0.0439461147294331
MESO	NAP1L2	cg23483095	-0.2614116539583	87	-2.49692077525788	0.014456820914223	0.0683360528252141	0.0567462498713893
MESO	NCOA1	cg11380327	-0.370997807701112	87	-3.68329366806147	0.000403905478291794	0.137639373319031	0.00312852902882436
MESO	NCOA1	cg13911252	0.00929044010240624	87	0.085657322270997	0.931940273865473	8.63122772963981e-05	0.963882174870913
MESO	NCOA1	cg15477048	0.137703535309098	87	1.28177470396865	0.203407003631472	0.0189622636366239	0.387241378276356
MESO	NCOA1	cg23006163	-0.281793481561635	87	-2.70773840684867	0.00818859205401323	0.0794075662506277	0.0365853049764476
MESO	NCOA3	cg04175879	0.0972471262531666	87	0.900843964895102	0.370216632505553	0.00945700356449932	0.568923862851608
MESO	NCOA3	cg09568061	0.247599074017134	87	2.35611398155724	0.0207680589858969	0.061305301454142	0.0749484940112827
MESO	NCOA3	cg12128876	0.153161921628078	87	1.42894309380899	0.156685318743102	0.0234585742368054	0.325200834702013
MESO	NCOA3	cg14341558	-0.0193011662648139	87	-0.177981115643373	0.859161290961015	0.00037253501918199	0.925205808373611
MESO	NCOA3	cg14774045	0.0819072837090846	87	0.75769372971069	0.450729851490167	0.00670880312460048	0.641494293209405
MESO	NCOA3	cg18295930	-0.0730474976414569	87	-0.675268657209404	0.501337950320639	0.00533593691167865	0.685143076861144
MESO	NCOA3	cg21735648	0.0435628292435062	87	0.402011074286663	0.688684963772738	0.00189772009169888	0.821088416154934
MESO	NCOA3	cg22511723	0.0443228695609127	87	0.409038645550971	0.68354012110011	0.00196451676611368	0.817754747037522
MESO	NCOA3	cg22876277	-0.261394649159482	87	-2.49674643851887	0.0144634322655723	0.0683271626092085	0.0567506309817635
MESO	NCOA3	cg24856420	0.310224116528149	87	3.00855684556278	0.00345302177421686	0.0962390024756703	0.0184388600868522
MESO	NCOA3	cg25373408	0.124642129894088	87	1.15817538337992	0.250036298119409	0.0155356605445347	0.443672849860916

MESO	NCOR1	cg00253204	0.189793122456309	87	1.78219919792557	0.0782877044253261	0.0360214293317156	0.199782035018395
MESO	NCOR1	cg08125503	0.0272975353140683	87	0.25176465978553	0.801830695202837	0.000745155434222804	0.891887839931751
MESO	NCOR1	cg08206308	0.261921976261504	87	2.50215386797886	0.0142596253239399	0.0686031216487316	0.056130814777644
MESO	NCOR1	cg21211144	0.0277837108214416	87	0.25625208112346	0.798375366137012	0.000771934587009493	0.889900322858492
MESO	NCOR1	cg22291359	0.219712314639877	87	2.07638451531758	0.0408788399674608	0.0482735012044125	0.124335476264951
MESO	NCOR1	cg22625220	0.305945297339438	87	2.96274245913806	0.00395364260296753	0.0936025249641173	0.0205814823778945
MESO	NCOR2	cg08976554	-0.192873012008699	87	-1.81222820137149	0.0734819933670883	0.0371999987613076	0.191045324243007
MESO	NCOR2	cg10641483	-0.0616146373604454	87	-0.569140247289558	0.570761866042848	0.00379636353705919	0.738729891416459
MESO	NCOR2	cg13416396	-0.100026224000074	87	-0.926844528681557	0.356631507092895	0.0100052454877131	0.555497987001134
MESO	NCOR2	cg13419087	-0.235696370642327	87	-2.23600881575456	0.0279709310312487	0.0555527791339652	0.0937271971332255
MESO	NCOR2	cg13857025	-0.0896056706254725	87	-0.829460115810663	0.409167471166913	0.00802917620824067	0.605182315568545
MESO	NCOR2	cg16181859	0.0958606974908404	87	0.887880867404972	0.377110400151185	0.00918927332343042	0.575628891775949
MESO	NCOR2	cg19895345	0.00558142172776982	87	0.0514589672920998	0.959080536446113	3.1152268503221e-05	0.978565299393913
MESO	NCOR2	cg23611643	-0.110749099565562	87	-1.02737625754266	0.307158104258301	0.0122653630545827	0.505663204348596
MESO	NCOR2	cg24626542	-0.137868072995274	87	-1.28333591399026	0.202862277335377	0.0190076055514302	0.386655014063281
MESO	NCOR2	cg25113767	-0.240608773712367	87	-2.28544466606868	0.0247759746081783	0.057892581987369	0.08561754480582
MESO	NCOR2	cg25449924	-0.0661896988074101	87	-0.611580030680135	0.542447959231761	0.00438107622821567	0.717026131746686
MESO	ORC1	cg00298020	-0.311933408577789	87	-3.0269149768692	0.00326942817051219	0.0973024513869578	0.0176467005548342
MESO	ORC1	cg02275620	-0.033111562560891	87	-0.305441008030199	0.76077703642776	0.0010963755752238	0.86688697164586
MESO	ORC1	cg04407474	-0.256472482647317	87	-2.4463873632062	0.0164906699807434	0.0657781343552783	0.0627537631698845
MESO	ORC1	cg07142859	-0.197150995202945	87	-1.8540311836278	0.0672030928753984	0.0388685149095116	0.17894908119626
MESO	ORC1	cg08613513	-0.0269745741063602	87	-0.248783812650954	0.80412814411997	0.000727627648219517	0.893470611207155
MESO	ORC1	cg10586599	0.0276248026917477	87	0.254785332225012	0.799504329109761	0.000763129723757993	0.890507986065585
MESO	ORC1	cg13460942	-0.0250499893267051	87	-0.231021985001508	0.817852901122898	0.000627501965268039	0.902041251096909
MESO	ORC1	cg16136434	-0.121912436517823	87	-1.1324240383548	0.260640602950775	0.0148626421777122	0.455851507777771
MESO	ORC1	cg16965475	-0.126482748101989	87	-1.17555442344337	0.243055245561859	0.0159978855674311	0.435603468869981
MESO	ORC1	cg17146111	-0.225506921272432	87	-2.13404063136279	0.0357201852274687	0.0508533715417707	0.112534568079444
MESO	ORC1	cg19776520	-0.232930473076537	87	-2.20825444450304	0.0299186554927297	0.0542566052876593	0.0984639937981815
MESO	ORC1	cg21197365	-0.0227041046828948	87	-0.209375473497537	0.834656131124935	0.000515476369451846	0.911430764092773
MESO	ORC1	cg23606758	0.0585101269521285	87	0.540362457482571	0.590360189680485	0.00342343495595419	0.753337717275829
MESO	ORC1	cg25605769	-0.115857203339918	87	-1.0753924587205	0.285242114717269	0.013422891565747	0.482456952478916
MESO	PADI1	cg14524955	-0.28773474756953	87	-2.76992294672971	0.00688415662960446	0.082791284958901	0.0319958227293255
MESO	PADI1	cg21010178	0.090754626000891	87	0.84018350781341	0.403162618620167	0.00823640214056161	0.599654237781356
MESO	PADI1	cg22193702	-0.0555289593449984	87	-0.51274283204097	0.609461171312865	0.00308346532593848	0.766967911629509
MESO	PADI2	cg00569276	0.0833239039714556	87	0.770889191022964	0.442910188294875	0.00694287297304436	0.635175961143891
MESO	PADI2	cg01603374	-0.134873355900399	87	-1.25493745873491	0.212940923512171	0.0181908221318357	0.399275138077704
MESO	PADI2	cg07014827	0.219260531176855	87	2.07189908968861	0.0413058488939642	0.0480751805319566	0.12529134826128
MESO	PADI2	cg09313801	-0.0831039735728872	87	-0.768840288182406	0.444119172065164	0.00690627042360314	0.636088940121463
MESO	PADI2	cg10233913	-0.193853708696745	87	-1.82180164687344	0.0720025038329752	0.0375792603754823	0.188176897069206
MESO	PADI2	cg15185794	-0.235375492470673	87	-2.2327860335355	0.0281912388889296	0.0554016224558117	0.0942718985904847
MESO	PADI2	cg17183414	-0.106407009561947	87	-0.986625565936174	0.32662642144678	0.0113224516839162	0.5260999592122
MESO	PADI2	cg18228326	-0.151562413023304	87	-1.41366753112862	0.161111552910822	0.0229711650414466	0.331248997358988
MESO	PADI2	cg18879300	0.0596110181857173	87	0.550565512842922	0.583375651438588	0.00355347348913792	0.74836544082604
MESO	PADI2	cg19282714	-0.074845049430953	87	-0.691978137685305	0.490837000230536	0.00560178142432181	0.676601700678693
MESO	PADI3	cg01459162	0.00118786054841739	87	0.0109515408615827	0.991287772674523	1.41101268248646e-06	0.995343663118627
MESO	PADI3	cg12858514	-0.0144651222980636	87	-0.133375792596795	0.894211454816021	0.000209239763097936	0.943935707717617
MESO	PADI3	cg14664242	-0.168620326790296	87	-1.57718620723465	0.118467335098981	0.0284328146068663	0.268399914572915
MESO	PADI3	cg17589397	-0.00760735020226979	87	-0.0701383329363711	0.944248307890793	5.78717770999742e-05	0.970185463237239
MESO	PADI3	cg18768338	-0.169582670177762	87	-1.58645321014405	0.116349889450369	0.0287582820246195	0.264997305167462
MESO	PADI3	cg21966975	-0.19723573196466	87	-1.85486030563827	0.0670832486328496	0.0389019339636354	0.178715676552036
MESO	PADI4	cg16091981	-0.153282116102172	87	-1.430091433145	0.156356406711776	0.0234954071167598	0.324760781324716
MESO	PADI4	cg18333690	-0.285663469885394	87	-2.7482047628324	0.00731644123751348	0.0816036180269634	0.0335282298321821
MESO	PADI4	cg19159961	-0.154796224382098	87	-1.44456282600786	0.152257000561911	0.0239618710829529	0.318971322823108
MESO	PADI4	cg21295838	-0.295583342782968	87	-2.85260692898026	0.00544363697834499	0.0873695125307537	0.0265489496014902
MESO	PADI4	cg23228178	-0.133552649425165	87	-1.24242457659547	0.217496733241533	0.0178363101684811	0.405006124561166
MESO	PADI4	cg26918754	-0.279407818550267	87	-2.68286453456276	0.00877064469557913	0.0780687290670188	0.038531390385089
MESO	PADI6	cg12643633	0.120060739730504	87	1.11497041251063	0.268005619957562	0.0144145812246358	0.463687154145062

MESO	PADI6	cg16017904	0.00567047599435869	87	0.0522800460448488	0.958428222792081	3.21542980025982e-05	0.978144668843607
MESO	PARP1	cg00653565	-0.147393922367557	87	-1.37391085384182	0.173081735777695	0.0217249683508933	0.347961560706275
MESO	PARP1	cg02088626	0.157797312947521	87	1.47327726279173	0.144369946828256	0.0248999919734578	0.30765122564941
MESO	PARP1	cg03149313	0.0903096438731355	87	0.836030016528349	0.405482076355963	0.00815583177649256	0.601859774628147
MESO	PARP1	cg04960271	0.200368384633888	87	1.88554285346186	0.0627725921668342	0.0401474895607937	0.170150907143787
MESO	PARP1	cg07113065	-0.164332654954367	87	-1.53595354197169	0.128263936574223	0.0270052214843511	0.283414761735542
MESO	PARP1	cg17661881	0.0820760422926963	87	0.759265429252384	0.449794304794319	0.00673647671843247	0.640924736781158
MESO	PARP1	cg25722198	-0.0517056789947145	87	-0.477341313799944	0.634344209461994	0.00267347724030446	0.784652214539458
MESO	PARP1	cg26464410	-0.121570973804989	87	-1.12920460035671	0.261988303215534	0.0147795016718932	0.457344898580675
MESO	PARP2	cg01813761	-0.407277544850156	87	-4.11134914464394	9.03875651951557e-05	0.16587499853917	0.000883257159501564
MESO	PARP2	cg10910545	-0.501245679667113	87	-5.34061024580559	7.61177236395464e-07	0.251247231384946	1.3397063784649e-05
MESO	PARP2	cg15078479	-0.264750586638544	87	-2.53120083952395	0.0132083348609812	0.070092873125453	0.0529708837083807
MESO	PARP2	cg15365367	-0.331844298168002	87	-3.2432337847279	0.00168975231475154	0.110120638226614	0.0103669236256925
MESO	PARP2	cg18899035	-0.176699228309547	84	-1.62565948938705	0.107859573510308	0.0312226172851895	0.251463308009498
MESO	PARP2	cg19540080	-0.21855158792687	87	-2.06486333459941	0.0419833914440823	0.0477647965853562	0.126832198904933
MESO	PARP2	cg24595957	-0.0465023224308692	87	-0.429194539466163	0.668867557244343	0.00216246599146452	0.807954454027304
MESO	PARP2	cg26206608	-0.255744131510269	87	-2.43895297710893	0.0168105551301456	0.0654050608019418	0.0636875584783553
MESO	PARP2	cg26430074	-0.269948274909275	87	-2.58475978053916	0.0114510924229929	0.0728720711264933	0.0474121040530526
MESO	PAXIP1	cg02824291	0.0239877099718124	87	0.221219413628846	0.825452155725408	0.00057541022969179	0.906186347850947
MESO	PAXIP1	cg12220104	0.260458097924956	87	2.48714856719647	0.0148316241382888	0.0678384207746859	0.0578496549618471
MESO	PAXIP1	cg22583711	0.213533226534744	87	2.01515705656571	0.0470482273445275	0.0455964388343383	0.138001925462655
MESO	PAXIP1	cg24448952	0.100973237996963	87	0.935709535113648	0.352073607350385	0.0101955947915913	0.550946718367747
MESO	PAXIP1	cg24452135	0.282873142902048	87	2.71901327686422	0.00793653127535774	0.0800172149752822	0.0357072762729269
MESO	PCGF1	cg03203239	0.0432740210622944	87	0.399340847245583	0.690643686161467	0.0018726408988999	0.822212685717006
MESO	PCGF1	cg08092637	0.0409593931421033	87	0.377944112204268	0.706414286281581	0.00167767188656938	0.832597918110862
MESO	PCGF1	cg27306986	-0.224459111034686	87	-2.12359751183124	0.0366103574527484	0.0503818925264815	0.114711958226445
MESO	PCGF2	cg09395368	0.155904267521159	87	1.45515977214688	0.149308310636192	0.0243061406313091	0.314760466035226
MESO	PCGF2	cg17902383	-0.0522244560301257	87	-0.482143640844157	0.630943124516571	0.00272739380764253	0.782245994687269
MESO	PCGF2	cg20228512	0.00213946811041866	87	0.0197249665027961	0.984309003124589	4.57732379549837e-06	0.991794100507212
MESO	PCGF2	cg25377665	-0.097297269791603	87	-0.901312905295661	0.369968752372644	0.00946675870889997	0.56864403370762
MESO	PCGF5	cg03905463	0.0125372625554509	87	0.115596934793509	0.90824464914063	0.000157182952384312	0.951353396662065
MESO	PCGF5	cg06001881	-0.191182020099426	87	-1.79573416653298	0.0760903168237994	0.0365505648092974	0.195901843625584
MESO	PCGF5	cg07421809	-0.200322333090041	87	-1.88509137125679	0.0628342909545932	0.0401290371346372	0.170258823772958
MESO	PCGF5	cg07424295	0.285403600031668	87	2.74548289218952	0.00737233161824994	0.0814552149110365	0.0337267371896581
MESO	PCGF5	cg08633154	-0.0399148268738824	87	-0.368290016426836	0.713572618034587	0.00159319340437201	0.83702756705945
MESO	PCGF5	cg11113644	-0.122903226782786	87	-1.14176789379772	0.25675680590486	0.0151052031536209	0.451056589629489
MESO	PCGF5	cg12783297	-0.230693727656922	87	-2.18585132496391	0.0315763800332808	0.0532195959802462	0.102542786295078
MESO	PCGF5	cg15550435	-0.0157854691160428	87	-0.14555296994428	0.884618907645671	0.000249181035213541	0.938851752588101
MESO	PCGF5	cg17001035	0.376090984136611	87	3.74212404723906	0.000330736047496915	0.141444428348844	0.00265022805045607
MESO	PCGF5	cg20515900	-0.173123199736663	87	-1.62058762360818	0.108810272518712	0.0299716422870605	0.252954222968075
MESO	PCGF5	cg22968329	-0.0283418464466159	87	-0.261403922099141	0.794413386016949	0.000803260260003554	0.887442308933249
MESO	PCGF5	cg23395902	-0.158449171992801	87	-1.47951975831851	0.1426982271423	0.0251061401052042	0.305293049950721
MESO	PCGF5	cg25390656	-0.0787766509351578	87	-0.728548953848931	0.46828010426044	0.00620576073255969	0.657259021460269
MESO	PCGF6	cg01917164	-0.298922811604411	87	-2.88797833705249	0.00491658014965636	0.0893548472974865	0.0244474551717716
MESO	PCGF6	cg06691148	-0.197941971148011	87	-1.86177231405537	0.0660911135681908	0.03918102394196	0.17670549113722
MESO	PCGF6	cg11612727	0.0281583504427468	87	0.259710145307437	0.795715380910026	0.00079289269965654	0.88817907416999
MESO	PCGF6	cg11814370	-0.288821981082424	87	-2.78133996176865	0.00666639447546014	0.0834181367563762	0.0311694723763387
MESO	PCGF6	cg14409890	-0.435387220868116	87	-4.45887452472051	2.50280776037767e-05	0.189562032095262	0.00029112354502216
MESO	PCGF6	cg16113748	-0.140679253222471	87	-1.31002654913225	0.193716220233962	0.019790652287232	0.374827997435166
MESO	PCGF6	cg16382383	0.215740118095251	87	2.03699517866147	0.0447619372022518	0.046543798555753	0.133050975955677
MESO	PCGF6	cg24418712	-0.229911241564412	87	-2.1780226519023	0.0321742815928947	0.0528591789976892	0.104001000883393
MESO	PCGF6	cg25481680	-0.0818341913537196	87	-0.757013018951695	0.451135389080731	0.0066968348745172	0.641777936511774
MESO	PCGF6	cg26155979	-0.0290893113386186	87	-0.268303740850438	0.789115599747173	0.000846188034155082	0.883982733334658
MESO	PCGF6	cg27217148	-0.0122378445464654	87	-0.112835801591794	0.910426796626043	0.000149764839143452	0.95250941023342
MESO	PHC1	cg02770112	-0.131285700526709	87	-1.22096230118987	0.225476304598865	0.0172359351627888	0.414879813618205
MESO	PHC1	cg08021945	-0.0181213372341292	87	-0.167097912553878	0.867689896564727	0.000328382863153037	0.929717330541405
MESO	PHC1	cg08867249	-0.11820384218914	87	-1.09747962222965	0.275531094224121	0.0139721483082751	0.471931408374265

MESO	PHC1	cg09059548	-0.0371508545061852	87	-0.342750566181178	0.732632289305222	0.00138018599053974	0.84905966217233
MESO	PHC1	cg09912793	-0.147292670855972	87	-1.37294611538922	0.173380397020934	0.0216951308878858	0.348318947546587
MESO	PHC1	cg12581035	0.104288184751981	87	0.966761188137079	0.336406100897158	0.0108760254788632	0.535978412514841
MESO	PHC1	cg14199415	0.0319537476043392	87	0.294749510858438	0.76890392165295	0.00102104198596181	0.871853306918575
MESO	PHC2	cg06899053	-0.053000944003561	87	-0.489324468537227	0.625872371936993	0.00280901000644666	0.778701904847047
MESO	PHC2	cg13640100	-0.0399577809754941	87	-0.368686982985525	0.713277763017925	0.00159662426048556	0.836885528785542
MESO	PHC2	cg15586632	-0.130463921322754	87	-1.2131869619088	0.228419016823446	0.0170208347669097	0.418295920405903
MESO	PHC2	cg16558908	-0.0511060377362595	87	-0.471790907908047	0.638284904023288	0.00261182709309998	0.787302830283069
MESO	PHC2	cg17161743	-0.0309353759172147	87	-0.285346644264293	0.776072740978542	0.000956997483139386	0.876079155310879
MESO	PHC2	cg19746874	0.178725227102603	87	1.67472996060677	0.097662866566156	0.0319427068028769	0.234100930476682
MESO	PHC2	cg21198021	-0.069476331087915	87	-0.642091673375922	0.522541629863617	0.00482696058143758	0.702289161819709
MESO	PHC2	cg21578869	-0.0557040883510011	87	-0.514364962234888	0.608331649872927	0.00310294545901614	0.766155141658452
MESO	PHC2	cg23886755	-0.119969642850663	86	-1.10753907277664	0.271222314579964	0.0143927152057156	0.467536810929418
MESO	PHF1	cg01097444	-0.119861289536682	87	-1.11309115323532	0.268807217902548	0.0143667287293964	0.464650343506518
MESO	PHF1	cg02776641	0.0725060619334437	87	0.670236944019644	0.504523657851795	0.00525712901709638	0.687765937667155
MESO	PHF1	cg03560363	-0.0435915867539746	87	-0.402276962444938	0.688490039755376	0.0019002264357293	0.821012525909066
MESO	PHF1	cg03876174	-0.0107268915049676	87	-0.0989027434637998	0.92144836419357	0.000115066201359346	0.958838426887501
MESO	PHF1	cg06618123	0.11901414146713	87	1.10511067700806	0.272229945640333	0.0141643658691579	0.468598849208835
MESO	PHF1	cg06919790	-0.0542281299928602	87	-0.500695392319898	0.61787956053823	0.00294069008252254	0.773072398676538
MESO	PHF1	cg07857404	-0.103470593566219	87	-0.959099692367811	0.340228746787698	0.0107061637329458	0.539453675354683
MESO	PHF1	cg08665801	-0.21463723386805	87	-2.02607760796941	0.0458927226439592	0.046069142162528	0.135526647130705
MESO	PHF1	cg08798692	-0.0249720852164314	87	-0.230303070120447	0.81840964389926	0.00062360504005671	0.902329499224449
MESO	PHF1	cg10033570	-0.0528325349664167	87	-0.48777313552882	0.626966335362399	0.00279127675097764	0.779445027386976
MESO	PHF1	cg10797813	-0.257731969473041	87	-2.45925366512168	0.0159498988513742	0.0664257680884526	0.0611415409108013
MESO	PHF1	cg13303256	0.186287372216835	87	1.74808440264543	0.0840602264084463	0.0347029850474537	0.210323596205412
MESO	PHF1	cg13528777	-0.126671019383296	87	-1.1773327653668	0.242348838076592	0.0160455471516033	0.434748086273357
MESO	PHF1	cg13547657	0.115694180179363	87	1.07385872574653	0.28592508903343	0.0133851433273749	0.483202406453341
MESO	PHF1	cg18443095	-0.0217273573174143	87	-0.200363635948154	0.841674815879234	0.000472078055998595	0.915253712978881
MESO	PHF1	cg20135607	0.0343936996842344	87	0.317281959450887	0.751807707154875	0.0011829265779693	0.86102712908763
MESO	PHF1	cg20872639	0.0984812212958913	87	0.912387194738839	0.364145455838312	0.00969855094793031	0.563142724067383
MESO	PHF1	cg23345642	0.0215252077753105	87	0.198498600996806	0.843128980445747	0.000463334569770288	0.916181865105899
MESO	PHF1	cg23718418	-0.0489648336532283	87	-0.451975604029394	0.652437830859654	0.00239755493468832	0.79697836010071
MESO	PHF1	cg24796663	-0.134128168713707	87	-1.24787643530642	0.215503073242074	0.0179903656424927	0.402613978861525
MESO	PHF1	cg26673053	-0.101828908261655	87	-0.943721681193426	0.347986639667157	0.0103691265577606	0.547226049045216
MESO	PHF10	cg04353997	-0.245739855752256	87	-2.33728031989304	0.0217757030662363	0.0603880767051395	0.0776716664069135
MESO	PHF10	cg05243705	-0.113433381976873	87	-1.05259799201476	0.295508415657529	0.0128671321467112	0.493437972217944
MESO	PHF10	cg05736120	-0.0982303781816349	87	-0.910040566520339	0.365374511031814	0.00964920719770702	0.56431074026857
MESO	PHF10	cg07652237	-0.321610419287029	87	-3.13147004472339	0.0023852635248507	0.103433261793979	0.0137045192505344
MESO	PHF10	cg11442717	-0.113327940240658	87	-1.05160681618779	0.295960470383053	0.0128432220391902	0.493927764898512
MESO	PHF10	cg15342139	-0.111435299639579	87	-1.03382165980313	0.304151987485427	0.0124178260057628	0.50275587434803
MESO	PHF10	cg15360169	-0.371081194262016	87	-3.68425372174583	0.000402596561707182	0.137701252734924	0.00312041415975376
MESO	PHF10	cg16740543	0.0692683684804023	87	0.640160428405439	0.523790194077582	0.00479810687193679	0.702995606819375
MESO	PHF10	cg27124293	-0.331415822152529	87	-3.23852904883724	0.00171472252807689	0.109836447173036	0.0104919269366622
MESO	PHF11	cg00092518	-0.419684254279795	87	-4.26288953146427	5.20047310632164e-05	0.176134873290388	0.000548929636865349
MESO	PHF11	cg01214340	-0.351743770842748	87	-3.46429877435328	0.00083527750020703	0.123723680326676	0.00577842947224591
MESO	PHF11	cg02289189	0.00835953716150683	87	0.0770738175808792	0.938745955280694	6.98818615546137e-05	0.967222402408952
MESO	PHF11	cg05080330	-0.0638082640835738	87	-0.589484392695154	0.557100004613261	0.00407149456535909	0.728397007840632
MESO	PHF11	cg09997676	-0.390035510611364	87	-3.9052459274751	0.00018813640326254	0.152127699537868	0.00164837068987567
MESO	PHF11	cg16956501	-0.213020887755631	87	-2.01009188676048	0.0475925737481555	0.045377898620197	0.139209530837871
MESO	PHF11	cg21320768	-0.459293168251409	87	-4.76702297820842	7.65193584261206e-06	0.210950214402417	0.000103400155799924
MESO	PHF11	cg23137039	0.0671693954714595	87	0.620672964268417	0.536475542724321	0.00451172768800133	0.712571127570828
MESO	PHF11	cg24481868	-0.35635926678412	87	-3.51631999049706	0.000704645084878491	0.126991927022915	0.00501437611901183
MESO	PHF11	cg24984523	-0.293051134960875	87	-2.82586245842288	0.00587607824583637	0.0858789677018569	0.0282018404008017
MESO	PHF11	cg25162948	-0.421778194929795	87	-4.28874702139783	4.7270626679282e-05	0.177896845718236	0.000504925323615002
MESO	PHF12	cg01406758	0.0580733968826874	87	0.536315395177509	0.593141434283619	0.00337251942549413	0.755263847101397
MESO	PHF12	cg02058367	-0.216819635983463	87	-2.04768936161201	0.0436775607419819	0.0470107545480013	0.130641399529461
MESO	PHF12	cg06895197	0.158016802766227	87	1.47537897502877	0.143805417628781	0.0249693099564606	0.306902190799226

MESO	PHF12	cg08657247	0.0569323499140354	87	0.525743066162275	0.600435678971088	0.00324129246673416	0.760543387170928
MESO	PHF12	cg08806622	-0.0981073318553886	87	-0.908889536669132	0.365978329628374	0.00962504856378334	0.564858638177635
MESO	PHF12	cg13564075	-0.098930367115253	87	-0.916589376613475	0.361951129250572	0.00978721753755873	0.560830683946841
MESO	PHF14	cg06715026	-0.0852654377796042	87	-0.788981751636734	0.432317846819107	0.00727019487974756	0.626079425433665
MESO	PHF14	cg07287563	-0.0740595524027031	87	-0.684675577832623	0.495411388249355	0.00548481730208873	0.680234278861753
MESO	PHF14	cg07574654	0.092700386165799	87	0.858351350669404	0.393112482517586	0.00859336159528826	0.589937932154808
MESO	PHF14	cg11931558	-0.0825497449152602	87	-0.763677516293095	0.44717402582416	0.00681446038557452	0.63879559225849
MESO	PHF14	cg13029706	-0.0200841078307078	87	-0.185203681730832	0.85351049123758	0.000403371387355498	0.921925482225133
MESO	PHF14	cg16800461	0.0200212730460094	87	0.184624024045134	0.853963726363677	0.000400851374382863	0.922107767766478
MESO	PHF14	cg20819769	0.0273254315517485	87	0.252022138421897	0.801632328394864	0.000746679209489291	0.891739183898286
MESO	PHF14	cg20964328	-0.0176189340809064	87	-0.16246376456268	0.871326263649984	0.000310426838147325	0.931725410707576
MESO	PHF14	cg22876561	-0.0655131187921003	87	-0.605301475524496	0.546591436356228	0.00429196873386784	0.72012923689172
MESO	PHF14	cg23083824	-0.113064036643648	87	-1.04912622124387	0.297093882159432	0.0127834763821561	0.495139497594388
MESO	PHF14	cg24491907	-0.0802999815172458	87	-0.74272770859202	0.459694291933965	0.00644808703167002	0.649546965756882
MESO	PHF19	cg11054680	0.114312725164378	87	1.0608654205575	0.291756148077997	0.0130673991345066	0.489447161938289
MESO	PHF19	cg11594303	-0.0758576629381616	87	-0.701394053139339	0.484973043540988	0.00575438502643974	0.671633692587554
MESO	PHF19	cg13501527	-0.140802558177629	87	-1.31119799780493	0.193321975782105	0.0198253603893646	0.374307219791261
MESO	PHF19	cg13793166	-0.089072459596393	82	-0.799867653264371	0.426156228777083	0.00793390305855106	0.620808165639571
MESO	PHF19	cg13851767	0.14849643524796	87	1.38441861469101	0.169854074894461	0.0220511912813516	0.343487688849195
MESO	PHF19	cg13852822	0.223235474987829	87	2.11141181915077	0.0376733253867398	0.0498340772930415	0.117188159268105
MESO	PHF19	cg14218513	-0.0558591866144628	87	-0.515801597688826	0.607332085427579	0.00312024872922938	0.765406383287588
MESO	PHF19	cg27207079	0.184020026530526	87	1.72605757365245	0.0879703951475245	0.0338633701642956	0.217332049925578
MESO	PHF20	cg01512265	-0.138664933837724	87	-1.29089843495877	0.200238917386916	0.0192279638762204	0.383207536019624
MESO	PHF20	cg02674305	-0.15004717688579	87	-1.39920727016727	0.165389518573877	0.0225141552913955	0.337441637806818
MESO	PHF20	cg02957488	-0.0970268422799992	87	-0.898783959826638	0.371306786675249	0.00941420812282783	0.569950567538044
MESO	PHF20	cg04179482	0.192621128458425	87	1.80977025563624	0.0738659027705057	0.0371028991285971	0.191710283583396
MESO	PHF20	cg09692677	-0.280542760517566	87	-2.69469113015292	0.00848936318690714	0.0787042404788163	0.0376137099762077
MESO	PHF20	cg10372813	0.129553953750482	87	1.2045801874132	0.231708748032553	0.016784226932382	0.422233031422184
MESO	PHF20	cg21765224	-0.180989665020818	87	-1.69666265014729	0.0934197994197219	0.0327572588443481	0.226847079191493
MESO	PHF20	cg23538717	-0.00724142351301522	87	-0.0667643765376275	0.946926073801768	5.24382144948496e-05	0.971694561871338
MESO	PHF20	cg23734815	-0.146176036105503	87	-1.36230958333956	0.176699256286425	0.0213674335315173	0.352727462563089
MESO	PHF20	cg25561939	-0.0180240793922168	87	-0.16620080065306	0.868393631442554	0.000324867437936936	0.930098084402986
MESO	PHF20	cg27405321	-0.0961202546234492	87	-0.890307325275693	0.37581391877182	0.00923910334887671	0.574349873683535
MESO	PHF20L1	cg02898212	0.0911009645126956	87	0.84341660438236	0.401362753432879	0.00829938573514343	0.597924435859007
MESO	PHF20L1	cg05307234	-0.0673808823561285	87	-0.622636089416347	0.535190556814936	0.00454018330709043	0.711678475554017
MESO	PHF20L1	cg10591701	-0.173570518474301	87	-1.62490482157072	0.10788535332638	0.0301267248834375	0.251500799396854
MESO	PHF20L1	cg17646969	-0.25265502033007	87	-2.40747115693292	0.0182274287105135	0.0638345592979879	0.0677780502416561
MESO	PHF20L1	cg24511731	-0.132012730714142	87	-1.22784329864088	0.222895134324474	0.0174273610706046	0.411610228111143
MESO	PHF20L1	cg26292018	0.0132973290491549	87	0.122606156357656	0.902708402806199	0.0001768189598415	0.94855468417086
MESO	PHF20L1	cg27342122	0.0566252926785249	87	0.522898393255185	0.602405350035228	0.00320642377092861	0.761748375361917
MESO	PHF21B	cg01775414	-0.0578240670725664	87	-0.534005060316374	0.59473188981306	0.00334362273281266	0.756236885193155
MESO	PHF21B	cg01995480	-0.0385459626860339	87	-0.355640518627408	0.722990875918947	0.00148579123939311	0.843024626191757
MESO	PHF21B	cg05064352	-0.0221315716768276	87	-0.204092998141243	0.838768691207887	0.000489806464886558	0.913698406530171
MESO	PHF21B	cg10080155	0.0564345779726166	87	0.521131628407103	0.603630159475147	0.00318486159094735	0.762640150488998
MESO	PHF21B	cg11428482	0.138268755895829	87	1.28713823284028	0.201540124816581	0.0191182488569803	0.384888629998165
MESO	PHF21B	cg14786713	0.0431369935714455	87	0.398073970506463	0.691573737123291	0.00186080021438293	0.822809517377108
MESO	PHF21B	cg15679813	0.0311868023329162	87	0.287668039983024	0.774301058076271	0.000972616639752389	0.874929393396702
MESO	PHF21B	cg20495645	-0.0656966524601222	87	-0.607004555591843	0.545465928446573	0.00431605014446608	0.719317474192648
MESO	PHF21B	cg20525183	0.0305317474912145	87	0.281620095339496	0.778919310690883	0.000932187604867284	0.877741106792967
MESO	PHF21B	cg21715212	-0.0981279448557895	87	-0.909082356871093	0.365877133941779	0.00962909356162087	0.564754176826261
MESO	PHF21B	cg23080354	0.117212076467531	87	1.08814261796831	0.279607907070145	0.0137386708698304	0.476689476948014
MESO	PHF21B	cg25561581	0.149694562809322	87	1.39584364059963	0.166396987757504	0.0224084621346741	0.338812942093054
MESO	PHF21B	cg25976257	-0.0985087320509304	87	-0.912644567530543	0.364010816143745	0.009703970290282	0.562979272983827
MESO	PHF23	cg00039960	0.102716917109482	87	0.952038870843417	0.343776678214912	0.0105507650604761	0.543141877476206
MESO	PHF23	cg01441172	0.267109347463549	87	2.55547661176356	0.0123837974743594	0.0713474035024031	0.0503838142849178
MESO	PHF23	cg04379155	-0.29313973472741	87	-2.8267971213002	0.0058604486942237	0.0859309040760562	0.0281546190155276
MESO	PHF23	cg11180288	0.0125290955982093	87	0.115521621423434	0.908304160679216	0.000156978236509069	0.951364912458884

MESO	PHF23	cg13351208	0.0880812447894774	87	0.815237540900345	0.41721481739977	0.00775830568366384	0.612681632936248
MESO	PHF23	cg22033559	-0.402309384763373	87	-4.05144071119635	0.000112107271512014	0.161852841068684	0.00106331054377049
MESO	PHF23	cg26213471	-0.333326077736954	87	-3.25952138299353	0.00160591090048	0.111106274099502	0.00994825868704741
MESO	PHF23	cg26784276	0.164145342674013	87	1.53415430093064	0.128705603314183	0.0269436935215691	0.284099642602037
MESO	PHIP	cg01492710	0.230337285006339	87	2.18228460763623	0.0318475687249331	0.0530552648640915	0.103162465081089
MESO	PHIP	cg04480383	-0.219472579716266	87	-2.07400418906296	0.0411049686692326	0.0481682132473125	0.124837787728061
MESO	PHIP	cg05801338	-0.142688647797295	87	-1.32912443268208	0.187363548880912	0.0203600502102204	0.366667335521273
MESO	PHIP	cg06848288	-0.118383625312898	87	-1.09917255089541	0.274796354328269	0.0140146827422246	0.471264661800921
MESO	PHIP	cg08287994	-0.375276445384963	87	-3.73268916681733	0.00034155321443641	0.140832410460773	0.00272385957538413
MESO	PHIP	cg08587415	-0.254948974320158	87	-2.43084176525374	0.0171658756049196	0.0649989795069006	0.0647593291697354
MESO	PHIP	cg15564972	-0.191830918371526	87	-1.80206158675267	0.0750807669266658	0.0367991012432631	0.194018971912998
MESO	PHIP	cg19494004	-0.365781057937232	87	-3.62343543806379	0.000493995938171525	0.13379578234568	0.00371195981977355
MESO	PHIP	cg19950079	0.30201614144811	87	2.92084656572725	0.00446933752775922	0.0912137496952048	0.0226728166700033
MESO	PHIP	cg21607066	0.130595977346561	87	1.21443625009165	0.227944334069408	0.0170553092991035	0.417751166712108
MESO	PHIP	cg21875336	-0.161371908528527	87	-1.50753372601796	0.135381733783463	0.0260408928621393	0.294252531234654
MESO	PHIP	cg26363168	0.0309814857780286	87	0.285772368065574	0.775747740615015	0.000959852461014189	0.875834780758802
MESO	PHRF1	cg06063517	0.0966191637696705	87	0.894971869657465	0.373329483665629	0.00933526280755041	0.571866141304375
MESO	PHRF1	cg07530960	-0.175484645687209	87	-1.64339034779799	0.103996407254912	0.0307948608719652	0.244980770683971
MESO	PHRF1	cg08482978	-0.0935640653721132	87	-0.866418813418876	0.38869966435545	0.00875423432895708	0.586437982446093
MESO	PHRF1	cg12469954	-0.307112795985247	87	-2.97522333190339	0.00381099643371701	0.0943182694578761	0.0199765956852356
MESO	PHRF1	cg12813709	-0.273361220948546	87	-2.62006021687136	0.0104113522296873	0.0747263571184797	0.0439789149760325
MESO	PHRF1	cg15219216	0.000947711214596723	87	0.00873746959945817	0.993049071182609	8.98156546272396e-07	0.996429783715412
MESO	PHRF1	cg16143007	-0.0940742071958556	87	-0.87118487667953	0.386107158216012	0.00884995645952876	0.584158001249663
MESO	PHRF1	cg18793109	-0.185263614703693	87	-1.73813523671314	0.0858082930089966	0.0343226069330785	0.213475740362065
MESO	PHRF1	cg20152424	0.0781811064235146	87	0.723007186332095	0.471660278582827	0.00611228540160491	0.659779902398225
MESO	PHRF1	cg21006161	-0.153916723377649	87	-1.43615555699805	0.154628327750091	0.0236903577353117	0.322218705879818
MESO	PPARGC	cg04893087	-0.0852061216101756	87	-0.78842886938315	0.432639306235798	0.00726008315984803	0.626323430584284
MESO	PPARGC	cg05158538	-0.185359576798573	87	-1.73906757406107	0.0856432220082037	0.0343581727109462	0.213188674095761
MESO	PPARGC	cg11270806	-0.143583162715726	87	-1.33763154924697	0.184584681590972	0.0206161246154506	0.363076011131943
MESO	PPARGC	cg12691631	-0.120849905750463	87	-1.12240743686245	0.264849762330894	0.0146046997198958	0.460481343547417
MESO	PPARGC	cg20723350	-0.0814019166604228	87	-0.752987485992779	0.453537916816623	0.00662627203599041	0.643856157549399
MESO	PPARGC	cg27461259	-0.0951864023236044	87	-0.881578103142171	0.380491124930979	0.00906045118731108	0.578858444761525
MESO	PPARGC	cg27514608	-0.137004749835796	87	-1.27514550615846	0.205732089943999	0.0187703014775689	0.390035633988972
MESO	PRDM1	cg00555933	-0.0728046114802862	87	-0.673011374339389	0.502765751997578	0.00530051145279542	0.686298629775391
MESO	PRDM1	cg01761420	-0.0493606402776382	87	-0.455638030835187	0.649812157559049	0.0024364728086184	0.795252810521982
MESO	PRDM1	cg05170275	-0.0553172073870608	87	-0.51078154560409	0.610828119780561	0.0030599934331031	0.767930360060908
MESO	PRDM1	cg08742502	-0.201970445414288	87	-1.90125734026887	0.0606566327706507	0.0407920608208458	0.165959346173812
MESO	PRDM1	cg14359052	-0.213346944588069	87	-2.01331520336903	0.0472455487733917	0.0455169187650647	0.138464850334624
MESO	PRDM1	cg17143179	-0.204245243924109	87	-1.92359803059852	0.057752236502628	0.0417161196656186	0.160073510624402
MESO	PRDM1	cg17521665	-0.161917039981382	87	-1.51276320629109	0.134049180229036	0.0262171278363323	0.292246221638809
MESO	PRDM1	cg17965230	-0.061167496391891	87	-0.564994395521632	0.573565756821932	0.003741462614852	0.740930239303547
MESO	PRDM1	cg19464016	0.14690021739206	87	1.36920718094016	0.174541590800259	0.0215796738698344	0.349910797956844
MESO	PRDM1	cg22186515	-0.0146173458195759	87	-0.13477969370681	0.893104722529534	0.000213666798809073	0.943305031423447
MESO	PRDM1	cg22196848	-0.132675691831028	87	-1.2341196702253	0.220559597139113	0.0176028392028418	0.408763833744901
MESO	PRDM1	cg24040346	0.0694403469090515	87	0.641757500250437	0.522757563879828	0.00482196177884941	0.702470150011528
MESO	PRDM1	cg24793124	-0.243264978509725	87	-2.31225265360219	0.0231816297231332	0.059177849769337	0.0814392929317841
MESO	PRDM1	cg24874254	-0.199856333007757	87	-1.88052351030355	0.0634614015883787	0.0399425538433073	0.171480245750828
MESO	PRDM1	cg26351406	-0.0547311500955911	87	-0.505353732421011	0.614618309390523	0.00299549879078612	0.770790848282879
MESO	PRDM10	cg04181189	-0.104058673403627	87	-0.964610280396214	0.337476430394232	0.0108282075105226	0.536983113990077
MESO	PRDM10	cg17627813	-0.22499387919717	87	-2.12892636733369	0.0361537504629023	0.0506222456761906	0.113606045300764
MESO	PRDM12	cg09191327	0.0359525439033112	87	0.331680508878476	0.74094694153528	0.00129258541311952	0.854336456295418
MESO	PRDM12	cg12539975	0.0613490772675905	87	0.566677956126854	0.572426342869915	0.00376370928158479	0.740015502717445
MESO	PRDM12	cg13795948	0.0440475738265429	87	0.406493093252645	0.685401993293768	0.00194018876000475	0.818962057325562
MESO	PRDM12	cg13928649	0.0758439692950704	87	0.701266706566932	0.485052092826143	0.00575230767843159	0.671666334683356
MESO	PRDM12	cg23342516	0.177847938161248	87	1.66624020473741	0.0993468052424449	0.0316298891082071	0.237131362513217
MESO	PRDM13	cg00126261	0.555000225697119	87	6.15116673162175	2.42612168838581e-08	0.308025250523853	6.12188487273065e-07
MESO	PRDM13	cg00579292	0.0419428828751654	87	0.387034860103638	0.69969772905675	0.00175920542387985	0.827880045844664

MESO	PRDM13	cg01422797	0.252607820346927	87	2.40699074465131	0.0182498508345279	0.0638107109004251	0.0678452114986745
MESO	PRDM13	cg01815538	0.286295363747351	87	2.75482595984609	0.0071820943872226	0.081965035303228	0.0330777103410021
MESO	PRDM13	cg02400433	0.19421903352364	87	1.82536935370327	0.0714575354136761	0.0377210329828567	0.187158019997694
MESO	PRDM13	cg03120185	0.283837386222986	87	2.72909233531981	0.0077172120288533	0.0805636618178966	0.0349631816768164
MESO	PRDM13	cg04910970	0.27324190764799	87	2.61882435459255	0.0104462589760074	0.0746611400951126	0.0441037811125322
MESO	PRDM13	cg11809464	0.293227202115879	87	2.82771991656939	0.00584505501502384	0.0859821920607065	0.0280928092078812
MESO	PRDM13	cg13738144	0.181942401146236	87	1.70589889070894	0.0916785856019774	0.0331030373348579	0.223799544631613
MESO	PRDM13	cg14344102	-0.0386318854399659	87	-0.356434460010756	0.722398466542879	0.00149242257264665	0.842729603008678
MESO	PRDM13	cg17879189	0.260794205718664	87	2.49059216528614	0.0146985654613966	0.0680136177364291	0.0574631992313124
MESO	PRDM13	cg17978124	0.30482489856667	87	2.95077896390624	0.00409499203859963	0.0929182187861806	0.0211380442552841
MESO	PRDM13	cg25273233	0.371738650588483	87	3.69182683074548	0.000392411991807768	0.138189624341346	0.00305670356370216
MESO	PRDM13	cg25924096	0.349370502870358	87	3.43766234738435	0.000910709582932245	0.122059748275887	0.00620721918769326
MESO	PRDM13	cg26507427	0.387968217851827	87	3.88086793757114	0.000204874207558696	0.150519338063122	0.00177128074047801
MESO	PRDM14	cg00384539	-0.150386573364873	87	-1.40244533131955	0.164424079303755	0.0226161214484283	0.336027079949465
MESO	PRDM14	cg01295203	-0.108177982117097	87	-1.00323918173152	0.318592958795583	0.011702475814927	0.517910785425631
MESO	PRDM14	cg04838988	-0.0586189912658088	87	-0.541371322731401	0.589667824352524	0.00343618613702097	0.752762905982708
MESO	PRDM14	cg09050331	0.00996075494125304	87	0.0918381790598231	0.927042706553444	9.92166389996968e-05	0.961483612813065
MESO	PRDM14	cg10457247	-0.0635939356739138	87	-0.58749629361401	0.558427912515407	0.00404418865449788	0.729454195196321
MESO	PRDM14	cg11229513	0.13630642142375	87	1.26852258258577	0.208074542237319	0.018579440521349	0.393201262321361
MESO	PRDM14	cg13267264	-0.110595604288283	87	-1.02593469712467	0.307833174677712	0.0122313876878904	0.506387557693387
MESO	PRDM14	cg18035229	-0.0537647578097425	87	-0.496404559816136	0.620890322241786	0.00289064918234026	0.775332593630128
MESO	PRDM14	cg21255438	-0.129140094218025	87	-1.20066679242027	0.233215820215086	0.0166771639346403	0.423976245976173
MESO	PRDM14	cg27029821	-0.106686969657409	87	-0.989251254630041	0.325347941833029	0.0113821094946809	0.524823896794683
MESO	PRDM4	cg00090609	-0.00327750493442067	87	-0.0302172647498361	0.975964617408511	1.07420385951518e-05	0.987374880638243
MESO	PRDM4	cg03909902	-0.0582399285674385	87	-0.53785863781856	0.592080208845355	0.00339188927954033	0.754488509382889
MESO	PRDM4	cg12900929	-0.109330011228676	87	-1.01405162404484	0.313435965748307	0.0119530513552624	0.51248318626755
MESO	PRDM4	cg18440127	-0.104462148082501	87	-0.96839162144621	0.335596251173527	0.0109123403820104	0.535173621216271
MESO	PRDM4	cg25995916	0.0510883923915165	87	0.471627586656	0.63840101774369	0.00261002383714956	0.787338989415528
MESO	PRDM4	cg27140793	0.183534682185711	87	1.72134626615435	0.0888258312278184	0.0336849795650101	0.218833768860692
MESO	PRDM5	cg05713693	0.0158409699837593	87	0.146064854651036	0.884216037975475	0.000250936330026362	0.938619123398568
MESO	PRDM5	cg06329345	-0.022339087676287	87	-0.206007620871277	0.837277577786766	0.00049903483820884	0.912896592660738
MESO	PRDM5	cg07070341	0.119302198184536	87	1.10782401174651	0.271062839522963	0.0142330144916623	0.467338274982928
MESO	PRDM5	cg10416963	-0.185157005866976	87	-1.7370995193675	0.0859919742050819	0.0342831168216234	0.213832826257063
MESO	PRDM5	cg11171429	0.0867702746251939	87	0.803011083610748	0.4242080611928	0.00752908055853157	0.619194427256741
MESO	PRDM5	cg13155001	-0.118244762441087	87	-1.0978649383549	0.27536374520786	0.0139818238447492	0.471828858046773
MESO	PRDM5	cg18181323	0.0160681752294215	87	0.148160383597237	0.882567108317652	0.000258186255203394	0.937676230012664
MESO	PRDM5	cg19294653	-0.162203410342678	87	-1.51551094462184	0.133353162525262	0.0263099463267951	0.291283895142221
MESO	PRDM5	cg22135105	-0.109998615054416	87	-1.02032874135748	0.310467888554665	0.0120996953138896	0.509278627774836
MESO	PRDM8	cg01304890	-0.0847175556432145	87	-0.783875297642545	0.435292216541155	0.00717706423416114	0.628661196758191
MESO	PRDM8	cg02895669	-0.00620568690232121	87	-0.0572147079795316	0.954508447062317	3.8510549929641e-05	0.97585856766501
MESO	PRDM8	cg04343891	-0.0715647428630422	87	-0.661490418522302	0.510087060898883	0.00512151242105335	0.692477188600581
MESO	PRDM8	cg05007549	-0.190440619278827	87	-1.78850774265391	0.0772570627712443	0.0362676294713029	0.198021018787723
MESO	PRDM8	cg07462804	0.0672369421210207	87	0.621299956302143	0.536064966303504	0.00452080638578549	0.712308474257103
MESO	PRDM8	cg08074201	-0.139510217106608	87	-1.29892329826785	0.197482830566157	0.019463100677133	0.379797104901629
MESO	PRDM8	cg10695325	-0.0406590470329884	87	-0.37516812609577	0.708469956064412	0.00165315810563077	0.833878530610724
MESO	PRDM8	cg11571772	-0.0146571150699413	87	-0.135146441606828	0.892815616095145	0.000214831022173499	0.943213914541121
MESO	PRDM8	cg12572049	-0.0383222637777218	87	-0.353573538319692	0.724533971300814	0.00146859590104929	0.843967893439777
MESO	PRDM8	cg14489346	0.0118135931018839	87	0.108923547807044	0.913519858519882	0.00013956098197688	0.954311957625298
MESO	PRDM8	cg15656813	0.0272657986746029	87	0.251471735457187	0.802056385905022	0.000743423777363977	0.891983763652846
MESO	PRDM8	cg16117799	0.025756909448841	87	0.237545780938193	0.812805043756068	0.000663418384355797	0.899115368178028
MESO	PRDM8	cg18624348	-0.0225040052319075	87	-0.20752923289838	0.836092965994528	0.000506430251477721	0.912244266431673
MESO	PRDM8	cg19595012	-0.097793950373456	87	-0.905958217417955	0.367518929814888	0.00956365672964597	0.566434227360463
MESO	PRDM8	cg20142271	-0.0673740652983285	87	-0.622572808823685	0.535231953203965	0.00453926467482343	0.711709191979168
MESO	PRDM8	cg26162932	-0.0814314865793866	87	-0.753262840488147	0.453373345374208	0.00663108700652882	0.64376311951967
MESO	PRKAA1	cg00301775	-0.181109261272491	87	-1.69782179682419	0.0931998064505371	0.0328005645186676	0.226468397407874
MESO	PRKAA1	cg01883943	-0.206358973063633	87	-1.94438600344082	0.0551562312728871	0.0425840257638772	0.154936948640246
MESO	PRKAA1	cg03125217	0.0167530030420804	87	0.154476735821509	0.877600058948387	0.000280663110927956	0.935079425105884

MESO	PRKAA1	cg05874655	0.155419457304157	87	1.45052252268319	0.150593161251355	0.0241552077087188	0.316482815635733
MESO	PRKAA1	cg06971720	-0.123580529653485	87	-1.14815733355023	0.254124669927096	0.0152721473094359	0.448234317476669
MESO	PRKAA1	cg10786880	-0.143918670826668	87	-1.34082319830191	0.183550169161605	0.0207125838125148	0.361789344779514
MESO	PRKAA1	cg24728477	-0.0933408209490647	87	-0.864333341494754	0.389837444090713	0.00871250885544535	0.587420324575462
MESO	PRKCD	cg02121118	-0.175323543478297	87	-1.64183377871585	0.104319443507995	0.0307383448977864	0.245520263455587
MESO	PRKCD	cg02559423	-0.05725096844298	87	-0.528695004703354	0.598394875141262	0.00327767338765909	0.758909861701001
MESO	PRKCD	cg02630105	-0.0677963357103358	87	-0.62649277726412	0.532670724457284	0.00459634313574856	0.709929524386328
MESO	PRKCD	cg10531918	-0.0624719862880497	87	-0.577090475466417	0.565403688523517	0.00390274907077427	0.734789366516395
MESO	PRKCD	cg13469346	-0.165122272306143	87	-1.54354014584939	0.126414797334667	0.0272653648115439	0.280643591799929
MESO	PRKCD	cg13889007	-0.168737879011351	87	-1.57831794117064	0.118207104660217	0.0284724718132492	0.267950799846641
MESO	PRKCD	cg13908523	0.143380373244003	87	1.33570266536222	0.18521201830387	0.0205579314315897	0.363848074543719
MESO	PRKCD	cg14727059	-0.249569126018629	87	-2.37610063952109	0.0197441736170334	0.0622847486617026	0.0721184262542724
MESO	PRKCD	cg21903826	-0.128072640089859	87	-1.19057604269787	0.237134434521421	0.0164026011395864	0.428556339710064
MESO	PRMT1	cg07702240	0.0863112859285121	87	0.798731429465799	0.426672310585081	0.00744963807863337	0.621174357326916
MESO	PRMT1	cg08377944	-0.279948765921741	87	-2.6884999189377	0.00863557335050789	0.0783713115411056	0.0381031021059163
MESO	PRMT1	cg11787855	-0.0328803455365434	87	-0.303305806333107	0.762397945999248	0.00108111712260249	0.867881093638783
MESO	PRMT1	cg14258555	-0.0738519813357487	87	-0.682746058678872	0.496623914711684	0.00545411514721578	0.681273867113991
MESO	PRMT1	cg14576628	-0.336037191723948	87	-3.28939220532111	0.00146218560063711	0.112920994221717	0.00920524938220952
MESO	PRMT1	cg18880319	-0.216978760089433	87	-2.04926638099357	0.043519578719811	0.0470797823299478	0.130284080155814
MESO	PRMT1	cg22292364	-0.173199081982623	87	-1.62131991143959	0.108652938671921	0.0299979219996232	0.252752428414671
MESO	PRMT1	cg24228123	-0.0595266963842537	87	-0.549783947922884	0.583909285903535	0.00354342758242313	0.748741329656155
MESO	PRMT1	cg25595446	-0.403067574883989	87	-4.06055545520132	0.000108506517203981	0.16246346992286	0.0010334422134386
MESO	PRMT1	cg26846726	-0.155889995584647	87	-1.45502324452522	0.149346016548192	0.0243016907233814	0.31479118754336
MESO	PRMT2	cg04493422	0.00897050564418291	87	0.082707303385063	0.934278736873085	8.04699715123174e-05	0.96508219221312
MESO	PRMT2	cg06725035	-0.168346511974407	87	-1.57455032374537	0.119075201629082	0.0283405480939491	0.269306516136081
MESO	PRMT2	cg09031657	-0.189747758836755	87	-1.78175731189209	0.0783603212307517	0.0360042119835713	0.199906959724047
MESO	PRMT2	cg10187059	0.049222096942845	87	0.454356055129428	0.650730732570338	0.00242281482745083	0.795772974135967
MESO	PRMT2	cg10657630	-0.0239650612193013	87	-0.221010422260674	0.825614356366758	0.000574324159244861	0.906251315599892
MESO	PRMT2	cg12162201	0.161314403312369	87	1.5069821575725	0.13552288712671	0.0260223367160257	0.294436127507887
MESO	PRMT2	cg13271076	-0.0382572741636427	87	-0.352973043583484	0.724982482013491	0.00146361902643212	0.844149063128742
MESO	PRMT2	cg17243659	-0.0402471577194402	87	-0.371361353591435	0.711292457671582	0.0016198337044935	0.83561288813203
MESO	PRMT2	cg23283320	-0.111583728733671	87	-1.03521603468813	0.303504280101456	0.0124509285181095	0.501985598840373
MESO	PRMT3	cg01769160	0.0865055976964125	87	0.800543148110897	0.425628077394874	0.00748321843281357	0.620271077382954
MESO	PRMT3	cg04101203	-0.135489418334459	87	-1.2607765972637	0.210839109601489	0.0183573824806099	0.396653471314799
MESO	PRMT3	cg06578097	-0.232264689386269	87	-2.20158213881153	0.0304042274903086	0.0539468859356999	0.0996993118100264
MESO	PRMT3	cg13432154	-0.205790995264138	87	-1.93879731174628	0.0558442296655607	0.0423499337318045	0.156215246407862
MESO	PRMT3	cg13982511	0.0926879785895239	87	0.858235468150459	0.393176093297048	0.00859106137501204	0.589999247751833
MESO	PRMT3	cg19653624	-0.106942796661598	87	-0.991650812064965	0.324182469345262	0.011436761757804	0.523561855555343
MESO	PRMT3	cg23019633	-0.304049742118613	87	-2.94250983713738	0.00419540448521478	0.0924462456823951	0.0215660701636942
MESO	PRMT3	cg23071995	-0.012168492331435	87	-0.112196262909464	0.910932328306323	0.000148072205620193	0.952769226764125
MESO	PRMT6	cg00944433	-0.0532182669883026	87	-0.491344460733837	0.624449176678619	0.00283218394123826	0.777540522921018
MESO	PRMT6	cg02990361	-0.01718436120285	87	-0.15845537992403	0.874473837932466	0.000295302269950018	0.933523436882924
MESO	PRMT6	cg02993280	-0.184986848114524	87	-1.73544654841594	0.0862857930120869	0.0342201339753459	0.214375222968264
MESO	PRMT6	cg09367891	-0.17425547778984	87	-1.63151756571365	0.106480927980964	0.0303649715397654	0.249047752964467
MESO	PRMT6	cg14671364	-0.104529923446512	87	-0.969026855556787	0.335281071244276	0.0109265048957337	0.534813525863794
MESO	PRMT6	cg14828511	0.0236765991558831	87	0.21834866818995	0.827680835144163	0.000560581347588366	0.907392736276725
MESO	PRMT6	cg22528358	0.0654319196363981	87	0.604548016771779	0.547089744980328	0.00428133610730406	0.720530568514248
MESO	PRMT7	cg00894222	-0.279710669099061	87	-2.68601917472103	0.00869479805556333	0.0782380584078444	0.0382732484543934
MESO	PRMT7	cg02477175	0.00815814374821549	87	0.0752168720584044	0.940218905404437	6.65553094165475e-05	0.968211562794091
MESO	PRMT7	cg06089844	-0.225990808546452	87	-2.13886597952861	0.0353152582577554	0.0510718455474789	0.111561569110039
MESO	PRMT7	cg06092312	0.0925130655280637	87	0.856601882865656	0.394073483838564	0.00855866729339982	0.590798855304244
MESO	PRMT7	cg06745885	-0.33674226268966	87	-3.29717567074391	0.00142676699922982	0.113395351481352	0.0090224282180202
MESO	PRMT7	cg09175928	-0.0478796828331659	87	-0.441935715998699	0.659658076048833	0.00229246402820456	0.801912119028945
MESO	PRMT7	cg09779635	-0.280152216722469	87	-2.69062011078078	0.0085852474747872	0.0784852645345131	0.0379246146782875
MESO	PRMT7	cg10233539	0.137126519182925	87	1.27630056070308	0.205325565087851	0.018803682263225	0.389558953834697
MESO	PRMT7	cg10446007	-0.244826151296706	87	-2.32803467982281	0.0222860311588754	0.0599398443587575	0.0789669554986815
MESO	PRMT7	cg11893236	-0.186054185588411	87	-1.74581771144395	0.0844558815306934	0.034616159974967	0.211042041879698

MESO	PRMT7	cg19328639	0.12997571195081	87	1.20856892978428	0.230179914698344	0.0168936856971199	0.420348314777319
MESO	PRMT7	cg21918026	0.124140136923347	87	1.15343770288022	0.251963884365353	0.0154107735953473	0.445767270543033
MESO	PRMT7	cg26492318	-0.0301244375176187	87	-0.277859695860145	0.781794800058892	0.000907481735752914	0.879452572309566
MESO	PRMT7	cg26561196	0.106672444157689	87	0.989115017079723	0.325414195949105	0.0113790103425752	0.524853771477301
MESO	PRMT7	cg26796563	0.197899413919195	87	1.86135571840169	0.0661505604115616	0.039164178029561	0.176806043312617
MESO	PRMT8	cg01693063	-0.0805830942930361	87	-0.745363420924764	0.458108203997312	0.00649363508584035	0.648150818264852
MESO	PRMT8	cg06029846	-0.0637150005376659	87	-0.588619274888267	0.557677648986535	0.00405960129351477	0.728861346703817
MESO	PRMT8	cg07912789	-0.128652928828006	87	-1.19606104541886	0.234998568229076	0.0165515760960239	0.426131759558349
MESO	PRMT8	cg10350722	-0.0963604683430685	87	-0.892553115460288	0.374616469021917	0.00928533985929551	0.573261868149006
MESO	PRMT8	cg11596580	-0.102885107835837	87	-0.95361442238208	0.342982916052435	0.0105853454143919	0.542295292292654
MESO	PRMT8	cg19656577	-0.0799363268544039	87	-0.739342435879895	0.46173602421676	0.00638981635097409	0.651319421881211
MESO	PRMT8	cg21667836	-0.0110265415458785	87	-0.101665870683338	0.919261337427222	0.000121584618462984	0.957464405995626
MESO	PRMT8	cg23739862	-0.133159696770958	87	-1.23870289593887	0.21886542496507	0.0177315048441335	0.406727267443807
MESO	PRMT8	cg24100636	-0.121055350222381	87	-1.12434387940851	0.264032337973315	0.0146543978174634	0.45955189950546
MESO	PRMT8	cg27316886	-0.160004838870361	87	-1.4944255605449	0.138767674964206	0.0256015484619301	0.299400097716983
MESO	PWWP2E	cg00259755	-0.0710583087954078	87	-0.656785483384776	0.513093185451228	0.00504928324886352	0.694780170270966
MESO	PWWP2E	cg05010219	-0.0433404163448894	87	-0.399954707652354	0.690193206827903	0.00187839168894836	0.821973308022809
MESO	PWWP2E	cg15012692	-0.0191426306598151	87	-0.176518679140706	0.860306378054436	0.000366440308578091	0.925756969795097
MESO	PWWP2E	cg15278699	-0.301349959142279	87	-2.91375951002534	0.00456247417576471	0.0908117978750529	0.0230386288478151
MESO	PWWP2E	cg19919881	-0.205767496537876	87	-1.93856613708444	0.0558728445197272	0.0423402626314648	0.156267196353322
MESO	PWWP2E	cg22633292	-0.209539076663179	87	-1.97571516872431	0.0514312168395194	0.0439066246488577	0.147297429695305
MESO	PWWP2E	cg22664157	-0.167995384109656	87	-1.57117073357721	0.119858212730832	0.02822449082151	0.270534724110204
MESO	PWWP2E	cg24520806	0.00512881155217433	87	0.0472859280437019	0.96239626797841	2.63047079377169e-05	0.980256828372825
MESO	PYGO1	cg06364757	-0.288799507121217	87	-2.78110384458881	0.00667083349185003	0.0834051553134577	0.0311763052208313
MESO	PYGO1	cg09275667	-0.219331038288004	87	-2.07259901063243	0.041238964865444	0.0481061043564939	0.125142145137399
MESO	PYGO1	cg11480800	-0.212892467221077	87	-2.0088225465296	0.0477298292582227	0.0453232025994775	0.139461268257956
MESO	PYGO1	cg12686317	0.0104035424241861	87	0.0959211129818245	0.923809015051005	0.000108233694971839	0.959892297506496
MESO	PYGO1	cg13878116	-0.131420775006029	87	-1.22224056537869	0.224995171929752	0.0172714201031854	0.414277745347426
MESO	PYGO1	cg17841803	-0.171075354768664	87	-1.60083645398381	0.113123468911959	0.0292667770092243	0.260187657527036
MESO	PYGO1	cg19850348	-0.0688168747883118	87	-0.635967920084752	0.526506031033562	0.00473576225563019	0.705168606576505
MESO	PYGO1	cg22510134	-0.159068627797251	87	-1.48545378460191	0.141123170574157	0.0253028283493004	0.303075288603365
MESO	PYGO1	cg23030278	-0.146693185698615	87	-1.36723504040933	0.175156450431416	0.0215188907304083	0.350754759700927
MESO	PYGO1	cg23412777	-0.209521403971134	87	-1.9755408840553	0.0514513312615748	0.0438992187220349	0.147338764049288
MESO	PYGO1	cg25902187	-0.0577998158471765	87	-0.533780349457667	0.594886688558218	0.00334081871196751	0.756384267940932
MESO	PYGO2	cg01277844	0.0815209556681711	87	0.754095987055696	0.452875606635438	0.00664566621305192	0.643288932068532
MESO	PYGO2	cg02341811	-0.0763268064147508	87	-0.705757181450766	0.482268963855234	0.00582578137747484	0.669310987810788
MESO	PYGO2	cg04602755	-0.359300870121741	87	-3.54962821047933	0.000631417063483392	0.12909711527024	0.00456594711253272
MESO	PYGO2	cg10892866	0.143224547448071	87	1.33422060520676	0.185695122592559	0.0205132709917048	0.364453986873319
MESO	PYGO2	cg14024356	0.0862670062407222	87	0.798318588603127	0.426910475106325	0.0074419963657368	0.621314774732266
MESO	PYGO2	cg18188585	-0.196552056635017	87	-1.84817199347871	0.0680551223079478	0.0386327109674548	0.180642834203101
MESO	PYGO2	cg24683561	-0.159852405978016	87	-1.49296450416559	0.139149153628826	0.0255527916969605	0.299976978811752
MESO	PYGO2	cg27105205	-0.0393554911886593	87	-0.363121020472735	0.717415955925957	0.00154885468670064	0.839497854654772
MESO	RBBP4	cg05797186	0.0664306819598152	87	0.613816520262515	0.54097586621854	0.00441303550564612	0.716091144063384
MESO	RBBP4	cg06526778	0.199705397466377	87	1.87904428377685	0.063665605775936	0.0398822457772035	0.171868036002998
MESO	RBBP4	cg09036220	-0.238682558007818	87	-2.26603829761331	0.0259896833402704	0.0569693634971555	0.0887130805939454
MESO	RBBP4	cg11229946	-0.0693211849083519	87	-0.640650900263671	0.52347295293792	0.00480542667709792	0.702848721105497
MESO	RBBP4	cg13641837	-0.312393290354779	87	-3.03185974417522	0.00322154756743652	0.0975895678586854	0.0174585211745842
MESO	RBBP4	cg16148416	-0.252495760172878	87	-2.40585024394277	0.0183031795005197	0.0637541089052794	0.0680024343430809
MESO	RBBP4	cg16396527	-0.16184025391076	87	-1.5120265067597	0.134236275674255	0.0261922677858992	0.292522951057536
MESO	RBBP4	cg18758482	0.0817552505391017	87	0.756277855171493	0.451573603341265	0.00668392099071129	0.642150090248881
MESO	RBBP4	cg20740619	-0.0041134725704129	87	-0.0379246640932425	0.969836677545608	1.69206565875393e-05	0.984089486403587
MESO	RBBP4	cg22358606	0.185719539840487	87	1.74256532044848	0.0850262699878194	0.0344917474785621	0.212072303801923
MESO	RBBP4	cg22857567	0.0504190875164296	87	0.465432980253124	0.642811732764678	0.00254208438598939	0.79024241822108
MESO	RBBP4	cg23016766	-0.120495678639105	87	-1.11906896854694	0.266263183643423	0.0145192085706985	0.462081655801575
MESO	RBBP4	cg26131911	0.193216431736485	87	1.81557998075248	0.0729611528678261	0.0373325894929797	0.190059601064816
MESO	RBBP5	cg00960017	-0.144495484512211	87	-1.3463114631224	0.181781482376834	0.0208789450444185	0.359240661501929
MESO	RBBP5	cg02189925	0.0529696909262119	87	0.489042977802871	0.626070810420935	0.00280578815681842	0.778799332020312

MESO	RBBP5	cg03143531	-0.226312350186727	87	-2.14207333133782	0.035048318917885	0.0512172798470399	0.110966135765656
MESO	RBBP5	cg05290904	-0.216547827318627	87	-2.04499596385437	0.043948518774713	0.0468929615164177	0.131260071008562
MESO	RBBP5	cg07601985	0.313651745687584	87	3.04540307232452	0.00309371555022449	0.0983774175728687	0.0168739300201477
MESO	RBBP5	cg07972983	-0.0328424693824731	87	-0.302956039043796	0.76266356846253	0.00107862779513869	0.867990179793534
MESO	RBBP5	cg14717946	-0.176397770919639	87	-1.65221553955851	0.102180169959978	0.0311161735854173	0.241899369680756
MESO	RBBP5	cg18131828	-0.190575686468185	87	-1.78982400375587	0.0770434468903519	0.0363190922728199	0.197674004175314
MESO	RBBP5	cg21214746	-0.0168630728355624	87	-0.15549195936349	0.876802160006962	0.000284363225457482	0.934798675054619
MESO	RBBP5	cg23227967	-0.0637869381563529	87	-0.589286570848681	0.557232065291649	0.00406877347936239	0.728486392755328
MESO	RBBP5	cg24103461	-0.0029582709428559	87	-0.0272740298171607	0.978305103063686	8.75136697134555e-06	0.988739781322494
MESO	RBBP5	cg26795850	-0.290461354355165	87	-2.79857720230992	0.00634954020347234	0.0843677983738367	0.0299930858333188
MESO	RBBP7	cg01947226	0.0474687192195457	87	0.438133864539186	0.662400692340638	0.00225327930434406	0.803649342024416
MESO	RBBP7	cg03048084	-0.035497239432907	87	-0.32747476003862	0.744114004536841	0.00126005400735713	0.856239811015813
MESO	RBBP7	cg03171708	0.046534998299773	87	0.429496790770376	0.668648491010272	0.00216550620917599	0.807869984281464
MESO	RBBP7	cg03811055	-0.0614783152849312	87	-0.567876244652732	0.57161602235972	0.0037795832502734	0.73942527882825
MESO	RBBP7	cg07096248	-0.116445339830829	87	-1.0809264199159	0.282787169009449	0.0135595171683173	0.480037204894848
MESO	RBBP7	cg08363715	-0.0983982184171324	87	-0.911610686406047	0.364551863427911	0.00968220938766569	0.563491181297282
MESO	RBBP7	cg14719055	-0.105098106564048	87	-0.974352769359334	0.332646183424093	0.0110456120033479	0.5323398870939
MESO	RBBP7	cg15289846	-0.0184018269686123	87	-0.169685194279282	0.865660917386363	0.000338627235782749	0.928667127353339
MESO	RBBP7	cg15464143	0.048641460986849	87	0.448983572288517	0.654586143284223	0.00236599172693516	0.798539932604307
MESO	RBBP7	cg16978043	-0.0516246426217098	87	-0.476591193931	0.634876169120201	0.00266510372581925	0.784908090721138
MESO	RBBP7	cg17878446	0.0827105589129423	87	0.76517546327573	0.446286428224701	0.00684103655569129	0.638123888420835
MESO	RBBP7	cg17880859	-0.0394611884696616	87	-0.364097775748356	0.716689140916202	0.00155718539543815	0.839000722742916
MESO	RBBP7	cg21122900	-0.0065660532065028	87	-0.0605373244348589	0.951869800581241	4.31130547106256e-05	0.974546595001226
MESO	RING1	cg01241018	0.158900796596576	87	1.48384588188308	0.141548603670726	0.0252494631590264	0.303668635871173
MESO	RING1	cg01878788	0.036312334789599	87	0.335004123612838	0.738447306780258	0.00131858565787192	0.852718160929558
MESO	RING1	cg02475416	-0.123205464263306	87	-1.14461889636926	0.255579961975005	0.0151795864243368	0.449862831456514
MESO	RING1	cg03037740	-0.0325229475966984	87	-0.300005467438252	0.764905439306129	0.00105774212037759	0.869555070982432
MESO	RING1	cg06316695	0.022293553641059	87	0.205587504009396	0.837604715208074	0.000497002533946776	0.913061321584767
MESO	RING1	cg06671577	0.124787762585194	87	1.15954999613782	0.249478986327677	0.0155719856910188	0.443033270182853
MESO	RING1	cg07946923	-0.0834584586410966	87	-0.772142777351248	0.442171437318563	0.00696531431874764	0.634520594063134
MESO	RING1	cg08892712	-0.103693937604044	87	-0.961192412248853	0.339181798073317	0.0107524326958314	0.538452142668264
MESO	RING1	cg09478665	0.0299291703623301	87	0.276056984170398	0.783174371311366	0.000895755238577377	0.880365361524859
MESO	RING1	cg09724776	0.150721765372588	87	1.40564377704286	0.163474698281774	0.0227170505570295	0.334517470556129
MESO	RING1	cg09832551	-0.139072527249367	87	-1.29476764303511	0.19890651559919	0.0193411678355258	0.381615208506545
MESO	RING1	cg09869033	0.0924489595259812	87	0.856003190487075	0.39440268400881	0.00854681011743652	0.591155685711174
MESO	RING1	cg10265934	0.0515923188451319	87	0.476291988862068	0.63508840880319	0.00266176736381776	0.785049206170322
MESO	RING1	cg12065531	0.288262895562125	87	2.77546755480462	0.00677760204700393	0.0830954969578604	0.0315779345777459
MESO	RING1	cg12115664	0.0668686773395967	87	0.617881695492819	0.538305315568497	0.0044714200091471	0.714014044660455
MESO	RING1	cg12256228	-0.197944811519294	87	-1.86180011903618	0.06608714748325	0.0391821484074088	0.176704882080251
MESO	RING1	cg14046664	-0.214047418791285	87	-2.02024230213307	0.0465070940409582	0.0458162974912117	0.136785363849614
MESO	RING1	cg14363494	-0.068977534399886	87	-0.637459738003209	0.525538818009732	0.00475790025188745	0.704442280495559
MESO	RING1	cg18189601	-0.0868586321213319	87	-0.803834996338641	0.423734621522874	0.00754442197398887	0.618763583488201
MESO	RING1	cg20505183	-0.125965693585701	87	-1.17067117841078	0.245002580177363	0.0158673559605267	0.437882014080732
MESO	RING1	cg24536938	0.196328605745469	87	1.84598660931862	0.0683752220047445	0.0385449214339596	0.181263657203513
MESO	RING1	cg24550302	-0.0616200396038161	87	-0.569190338513293	0.570728029387114	0.00379702928077586	0.738706514011399
MESO	RNF17	cg00202166	-0.883827186594338	87	-17.4182305909523	8.79801683044945e-30	0.781150495763262	2.39312210247547e-27
MESO	RNF17	cg01405147	-0.331675016643137	87	-3.24137477693921	0.00169957797784312	0.110008316665225	0.0104148853255871
MESO	RNF17	cg07131398	-0.477420330364796	85	-4.95007369598783	3.83759844344776e-06	0.227930171845631	5.62650081623776e-05
MESO	RNF17	cg12020676	-0.591429414005359	87	-6.76215534642843	1.6219079935084e-09	0.349788751750722	5.15630202071893e-08
MESO	RNF17	cg14855529	-0.334475452004789	87	-3.27217391309853	0.00154348769055621	0.111873827993808	0.00962209162586183
MESO	RNF17	cg15523998	-0.501084136213885	87	-5.3383118716556	7.68432565190055e-07	0.251085311565215	1.35186438209849e-05
MESO	RNF17	cg17806989	-0.979379195142183	87	-44.6933625208223	8.04009766031152e-61	0.95918360787735	7.18932594696867e-58
MESO	RNF17	cg20477497	-0.550040144032857	87	-6.07219196006593	3.42116788930928e-08	0.302544160047686	8.30150763508815e-07
MESO	RNF17	cg21831927	-0.594774572455466	87	-6.82124833048963	1.2437603909832e-09	0.353756792039583	4.0399622486909e-08
MESO	RNF17	cg23678722	-0.358665094965222	87	-3.5424190001919	0.000646627857815868	0.128640650346412	0.00466250510435885
MESO	RNF17	cg24753530	-0.422380145744329	87	-4.29619575315359	4.59858806265683e-05	0.178404987519001	0.000493369962413909
MESO	RNF20	cg04845236	0.0412170144490783	87	0.380325290774352	0.704652713200326	0.00169884228009553	0.831453862743913

MESO	RNF20	cg14625770	0.126951334333055	87	1.17998075790175	0.241299706266828	0.0161166412889432	0.43350582765973
MESO	RNF20	cg21219529	-0.0183716246606373	87	-0.169406601493603	0.865879350349215	0.000337516592671337	0.92874776887639
MESO	RNF217	cg00991794	-0.0772765874712292	87	-0.714591782115441	0.476819293180857	0.00597167097119853	0.664525528640201
MESO	RNF217	cg02312409	0.0468582294743766	87	0.432486594785781	0.666483084707566	0.00219569366947334	0.806471593870785
MESO	RNF217	cg03113502	-0.288785040185433	87	-2.78095185391798	0.00667369235555779	0.0833967994349022	0.0311853209459552
MESO	RNF217	cg06993703	-0.0662803725458541	87	-0.612421532771211	0.541893830755421	0.00439308778481721	0.716696509176933
MESO	RNF217	cg07439975	0.0316531861294728	87	0.291974261429383	0.771017733870774	0.00100192419214705	0.873125535117432
MESO	RNF217	cg10621825	0.0310993091292629	87	0.286860217538196	0.774917450798696	0.000967167028317453	0.875282940262973
MESO	RNF217	cg16203203	-0.270942107343116	87	-2.59502816030385	0.0111393692228048	0.0734096255315285	0.0463756871090057
MESO	RNF217	cg17382198	-0.0455633568520592	87	-0.42051011449504	0.675174061031911	0.00207601948762809	0.812179970990343
MESO	RNF217	cg18192252	-0.0862996026635957	87	-0.798622500295085	0.426735143276388	0.0074476214198945	0.621209463623565
MESO	RNF217	cg19171596	0.019389815758654	87	0.178798882622311	0.85852111103994	0.000375964955154547	0.924820905219561
MESO	RNF217	cg19478500	-0.238181857608092	87	-2.26099846387756	0.02631331812524	0.0567305972936414	0.0895223594085069
MESO	RNF217	cg20034100	0.215789085675961	87	2.03748010325174	0.0447122708572168	0.046564929496867	0.132942958408352
MESO	RNF217	cg23521835	-0.0566799856672603	87	-0.523405075047401	0.602054303309713	0.00321262077524083	0.761589197562128
MESO	RNF217	cg24822696	-0.0678399138455212	87	-0.626897335634053	0.532406753906915	0.00460225391056774	0.709857422205675
MESO	RPH3A	cg00851732	-0.134718893940105	87	-1.25347367621537	0.213470221481041	0.0181491803844453	0.39994948244054
MESO	RPH3A	cg00854817	-0.0649586951675725	87	-0.600157137712685	0.549998247977009	0.0042196320778736	0.722734571341638
MESO	RPH3A	cg01119407	-0.131281305019474	87	-1.22092070589784	0.225491973423466	0.0172347810476162	0.414885882988155
MESO	RPH3A	cg01573562	-0.066439148967505	87	-0.613895101883401	0.54092417951245	0.00441416051552632	0.716071463448108
MESO	RPH3A	cg05967001	0.0244453402882044	87	0.225442270921215	0.822176380720559	0.000597574661806111	0.904546729411957
MESO	RPH3A	cg08254200	-0.0325420881280578	87	-0.300182214938787	0.764771088287341	0.00105898749973428	0.869462174179569
MESO	RPH3A	cg09384610	-0.0690024534109023	87	-0.637691129972341	0.52538887903049	0.00476133857672375	0.704339252017059
MESO	RPH3A	cg11596863	0.00190156330620773	87	0.0175315791365632	0.986053626811573	3.61594300751568e-06	0.992748348921674
MESO	RPH3A	cg16403344	0.151084123965695	87	1.4091020079017	0.16245294402781	0.0228264125144815	0.333092547051987
MESO	RPH3A	cg17453780	-0.035651642453858	87	-0.328900992134586	0.743039509507891	0.00127103960965773	0.855544603674396
MESO	RPH3A	cg18629535	0.324092485274268	87	3.15846178162365	0.00219630508212583	0.105035939011252	0.0128080477930207
MESO	RPH3A	cg19712198	0.262356069521485	87	2.50660704454436	0.0140937243778108	0.068830707214762	0.0556213065263501
MESO	RPH3A	cg20704159	-0.163158301701853	87	-1.52467602272543	0.131052161118157	0.0266206314142327	0.287736396144763
MESO	RPH3A	cg21900624	0.0156384108639494	87	0.144196657639447	0.885686515431141	0.000244559894349692	0.939429776808552
MESO	RPH3A	cg23199238	-0.15402854642279	87	-1.43722429412599	0.154325308467241	0.0237247931131176	0.321822357509731
MESO	RPH3A	cg23549179	-0.183654371063737	87	-1.72250798216808	0.0886142663506037	0.033728928010817	0.218492543389397
MESO	RPH3A	cg23596620	0.278238419623039	87	2.67069164012191	0.00906898868751708	0.0774166181543266	0.0395657854480371
MESO	RTF1	cg04910470	-0.189303439181031	87	-1.77742982899845	0.0790744257740344	0.0358357920857662	0.201336135849347
MESO	RTF1	cg07091958	-0.0984362043775603	87	-0.911966050186899	0.364365837958544	0.00968968633226082	0.563393941766317
MESO	RTF1	cg07129439	0.294365505696488	87	2.83973630229145	0.00564796099833114	0.0866510509439493	0.0273465785712437
MESO	RTF1	cg15581235	0.296939989747037	87	2.86696250564233	0.0052237644673828	0.0881733575109707	0.0256778423464917
MESO	RTF1	cg18782716	0.361504151803324	87	3.57465578441492	0.000581198598050016	0.130685251771041	0.00425821847209483
MESO	RTF1	cg22263512	0.398403018335622	87	4.00463632313956	0.000132478265023549	0.158724965018934	0.00122588487560866
MESO	RTF1	cg24280607	0.0287085737900794	87	0.264789112093172	0.791812962533226	0.000824182209060432	0.885770632240052
MESO	RTF1	cg27576415	0.371704987253933	87	3.69143891307818	0.000392927668363645	0.138164597549446	0.00306010762165196
MESO	SATB1	cg01069104	-0.125757482260908	87	-1.16870503133123	0.24578977580234	0.0158149443446025	0.438750480903475
MESO	SATB1	cg01373248	-0.0674812592108316	87	-0.623567866174915	0.534581204817888	0.00455372034467944	0.711272177479741
MESO	SATB1	cg04004754	-0.0149282408223325	87	-0.137646918256519	0.89084501578777	0.00022852374049554	0.942274394384534
MESO	SATB1	cg14415616	-0.301842282287444	87	-2.91899654416603	0.00449347956155015	0.0911087633764931	0.022759668533839
MESO	SATB1	cg19818826	-0.237252671419496	87	-2.251650737868	0.0269229783466422	0.0562888300956875	0.0910747565986294
MESO	SATB1	cg26131754	-0.187680335693937	87	-1.76163109750364	0.0817273429618049	0.0352239084061889	0.206117386966565
MESO	SATB1	cg26768584	-0.172938641389876	87	-1.61880670095152	0.109193673612143	0.0299077736857761	0.253600807409333
MESO	SCML2	cg00457389	-0.0237971733375763	87	-0.219461247395089	0.826816924832109	0.000566305458858651	0.906992869837491
MESO	SCML2	cg04189389	-0.242228375596637	87	-2.30178410986789	0.0237931054973365	0.0586745859441854	0.0830511441225734
MESO	SCML2	cg05049545	-0.0478245959826286	87	-0.441426090903248	0.660025445273145	0.00228719198090165	0.80221888117458
MESO	SCML2	cg06131666	-0.235044954298268	87	-2.22946703802129	0.0284197129860399	0.0552461305410749	0.0948266417343335
MESO	SCML2	cg08300622	-0.0971506938072634	87	-0.899942151914225	0.37069362247791	0.00943825730723265	0.56936035236672
MESO	SCML2	cg17710066	-0.0154264894200776	87	-0.14224213118309	0.887225372565143	0.000237976575827768	0.940094670770955
MESO	SCML2	cg17727916	-0.0563909541557568	87	-0.520727509119743	0.603910475105114	0.00317993971059666	0.762833252152682
MESO	SCML2	cg22823767	-0.0807975895957802	87	-0.747360441833634	0.456908543583228	0.00652825048448813	0.64713875467927
MESO	SCML2	cg26246138	-0.0431938111280153	87	-0.398599269959184	0.691188038827482	0.00186570531976266	0.822527501634558

MESO	SCML4	cg00977377	0.132582506528569	87	1.23323736665284	0.220886833094812	0.0175781210373981	0.409123381339957
MESO	SCML4	cg03500965	-0.623319676031377	84	-7.21820593799358	2.41356681983248e-10	0.388527418527861	8.93674522522836e-09
MESO	SCML4	cg05603896	-0.660447311988223	87	-8.10926520237326	3.41195002336881e-12	0.43619065191247	1.77070873994632e-10
MESO	SCML4	cg08792995	-0.381830528900903	87	-3.8088945002816	0.000262999864084619	0.145794552800743	0.0021854103211492
MESO	SCML4	cg17388996	-0.276902606847484	87	-2.65680220162232	0.00942064530434041	0.0766750536789322	0.0406630239586006
MESO	SCML4	cg23503775	-0.620707218462535	87	-7.29888778707575	1.42657095698103e-10	0.385277451051498	5.52957952303846e-09
MESO	SCML4	cg27353361	-0.173263214144527	86	-1.61236978626301	0.110632563482426	0.0300201413756922	0.255994932883755
MESO	SCML4	cg27659622	-0.403395755646126	87	-4.06450384367064	0.000106981422569157	0.162728135673309	0.00102066627266924
MESO	SETD1A	cg26692825	-0.198580111246326	87	-1.86802042719057	0.0652048896802909	0.0394340605826032	0.17501204760518
MESO	SETD6	cg01152986	-0.186917316348135	87	-1.75420930748911	0.0829987450976721	0.0349380831507887	0.208331054629378
MESO	SETD6	cg01472538	-0.271516369629556	87	-2.60096557749287	0.0109626433335996	0.0737211389768135	0.0458066320493098
MESO	SETD6	cg01773760	-0.0134223578174278	87	-0.123759173328741	0.901798143814953	0.000180159689379066	0.948110452198022
MESO	SETD6	cg02549819	-0.266846475820195	87	-2.55276876520616	0.0124734143709232	0.0712070416576581	0.0506660817445489
MESO	SETD6	cg05502081	-0.108394747000341	87	-1.00527332854756	0.317618478315657	0.0117494211772679	0.516877497742621
MESO	SETD6	cg09132913	-0.116887430769508	87	-1.08508695115441	0.280951120362447	0.0136626714718965	0.478109801318551
MESO	SETD6	cg19824325	-0.249575361158116	87	-2.37616394630455	0.0197410030704765	0.0622878608972042	0.0721102311529629
MESO	SETD6	cg26666090	-0.112204429222194	87	-1.04104779005857	0.300805460116769	0.0125898339370784	0.499122514382815
MESO	SETD7	cg05316864	-0.0188893238959362	87	-0.174182038846	0.862136585852952	0.000356806557245588	0.926739350842804
MESO	SETDB1	cg02060408	-0.377268529447224	87	-3.75578154108704	0.000315653924654576	0.142331543311271	0.00255074077226323
MESO	SETDB1	cg08531528	-0.119430066794347	87	-1.10902855413549	0.270545840956773	0.0142635408545022	0.466701624307408
MESO	SETDB1	cg10589385	-0.177577342374123	87	-1.66362240709323	0.0998707745944192	0.0315337125246564	0.238043145769176
MESO	SETDB1	cg10961700	-0.470758031516799	87	-4.91936955051865	4.19655625445138e-06	0.221613124237572	6.09990465730177e-05
MESO	SETDB1	cg12082615	0.0121428506464641	87	0.111959805848364	0.911119248172805	0.000147448821822333	0.952780078345478
MESO	SETDB1	cg15448220	0.204294278244783	87	1.92407995083184	0.0576909037294855	0.0417361521235567	0.159954599926281
MESO	SETDB1	cg16370685	-0.359156726906753	87	-3.5479932383982	0.000634836718037715	0.1289933554482372	0.0045868382690653
MESO	SETDB1	cg17899625	0.0705943431162544	87	0.652475541379691	0.515855157215623	0.00498356128001545	0.697044193096077
MESO	SETDB1	cg17918089	0.0212438170659453	87	0.195902526252562	0.845154040934406	0.000451299763531351	0.917254892792187
MESO	SETDB1	cg19689029	-0.474106610203195	87	-4.96446176834731	3.50675074867142e-06	0.224777077838364	5.19825014752562e-05
MESO	SETDB1	cg26820223	-0.316396585893732	87	-3.07500457500771	0.00283053023912031	0.100106799565209	0.0157149778348648
MESO	SETMAR	cg00300090	-0.0566439556064452	87	-0.523071288116861	0.602285551928869	0.00320853770674493	0.76168355539803
MESO	SETMAR	cg02520519	-0.0237697428104641	87	-0.219208135701203	0.827013445665827	0.000565000673275608	0.907121482038906
MESO	SETMAR	cg06021447	-0.11778552526717	87	-1.09354121885386	0.277245656996876	0.0138734363840241	0.47400221178003
MESO	SETMAR	cg06267913	-0.183141657862869	87	-1.71753207719512	0.0895233630367956	0.0335408668447602	0.220045016301635
MESO	SETMAR	cg14751177	0.0107756436172966	87	0.0993522936737823	0.921092501689014	0.000116114495366985	0.958640080222553
MESO	SETMAR	cg14961031	-0.104350585812134	87	-0.9673460181137	0.336115463952678	0.0108890447593356	0.535686723121984
MESO	SETMAR	cg15232450	0.0534488997957113	87	0.493479894958634	0.622946195099515	0.00285678488937199	0.776663562375942
MESO	SETMAR	cg15384599	-0.00039144366855361	87	-0.0036089325812509	0.997128951232576	1.53228145650712e-07	0.998528025129523
MESO	SETMAR	cg16423812	-0.166283247310928	87	-1.55470028143608	0.12373312335477	0.0276501183362674	0.276513015950733
MESO	SETMAR	cg21901604	-0.319944549938205	87	-3.11339463840737	0.00252015468688316	0.102364515035161	0.0143344592616652
MESO	SETMAR	cg22149154	-0.239468423434191	87	-2.27395234566178	0.0254885459172347	0.0573451258220572	0.0874545027603476
MESO	SETMAR	cg23182840	-0.199332762935169	87	-1.8753929179029	0.0641720351017464	0.0397335503793684	0.172913972453509
MESO	SETMAR	cg23549342	-0.311988069222464	87	-3.02750257867712	0.00326370402750084	0.0973365553371607	0.0176252757270678
MESO	SETMAR	cg24390964	-0.0970521270234536	87	-0.89902040556243	0.371181556769926	0.00941911535977658	0.569871329842472
MESO	SETMAR	cg26797270	-0.0854342610646246	87	-0.79055389042472	0.431403665991501	0.00729901296365843	0.625344521469331
MESO	SETMAR	cg27265118	-0.192378527422241	87	-1.80740324235148	0.0742371852275342	0.0370094978131501	0.19242353605407
MESO	SFMBT2	cg09060610	-0.00564136367928432	87	-0.0520116308821687	0.958641464620116	3.18249841619483e-05	0.978274245632826
MESO	SFMBT2	cg12328063	-0.00937578132593254	87	-0.0864442322918194	0.931316594960492	8.79052754717053e-05	0.963680928157119
MESO	SFMBT2	cg20299663	-0.0485222923387166	87	-0.447880990472995	0.655378545261092	0.00235441285380387	0.799084817300086
MESO	SFMBT2	cg25291138	-0.015313657987908	87	-0.14120150804423	0.888044863219804	0.000234508120970618	0.940489028660987
MESO	SHPRH	cg00571935	-0.223993249340021	87	-2.11895694204868	0.0370120527987108	0.0501729757499007	0.115616593134553
MESO	SHPRH	cg02758840	-0.0202813051701415	87	-0.187022862806567	0.852088391331727	0.000411331339404409	0.921173844440215
MESO	SHPRH	cg06708562	0.14856369912433	87	1.3850598594467	0.169658600861927	0.0220711726975046	0.343235149284912
MESO	SHPRH	cg11387577	-0.0645697643444603	87	-0.596548693534728	0.552394258641292	0.00416925446749914	0.724676045918766
MESO	SHPRH	cg11675148	0.100292002836762	87	0.929332228808002	0.355348664535301	0.0100584858330091	0.554209984139118
MESO	SHPRH	cg12989205	0.145695801294199	87	1.35773673360705	0.178140820201297	0.0212272665147587	0.354728877720877
MESO	SHPRH	cg14102550	0.0858999860811055	87	0.794896866078402	0.428887472207526	0.00737880760873411	0.623018747300588
MESO	SHPRH	cg15443174	-0.0748647539111224	87	-0.692161341665525	0.490722537400887	0.00560473137817292	0.67648045635219

MESO	SHPRH	cg16339435	-0.0957891662030427	87	-0.887212192615045	0.377468172691146	0.00917556436187413	0.576039371213195
MESO	SHPRH	cg18099523	-0.223669108256861	87	-2.11572899062939	0.0372937170001471	0.0500278699884196	0.116295643576761
MESO	SHPRH	cg26814539	-0.0246783270937954	87	-0.227592248423981	0.820509797249065	0.000609019828148358	0.903501719224883
MESO	SHPRH	cg27398948	0.0658297256524565	87	0.608239432024717	0.544650573025714	0.00433355277947769	0.718766165294787
MESO	SIN3A	cg01088093	0.0572333633809745	87	0.528531893014917	0.598507557711087	0.00327565788389868	0.758990903000673
MESO	SIN3A	cg01664094	0.0110896317242263	87	0.102247640093723	0.918800943136916	0.000122979931778966	0.957177108408346
MESO	SIN3A	cg02028562	-0.0991434272854656	87	-0.918582952707786	0.360913064283695	0.00982941917390841	0.559786103972447
MESO	SIN3A	cg07544511	-0.057997924107705	87	-0.535616040263884	0.593622667254578	0.00336375920080311	0.755530353163336
MESO	SIN3A	cg10483776	0.307601359482201	87	2.98045060349766	0.00375267924988194	0.0946185963552982	0.019726733533706
MESO	SIN3A	cg11184237	-0.14146450191561	87	-1.31748780590625	0.191215427144328	0.0200122053022317	0.371680898987204
MESO	SIN3A	cg15851274	-0.0874291326534867	87	-0.809155239720448	0.420685067109508	0.00764385323654098	0.615879543261348
MESO	SIN3A	cg22059910	0.280310303576557	87	2.69226782962867	0.00854632085779601	0.0785738662911813	0.0378036325019266
MESO	SIN3A	cg25697800	-0.145390010020304	87	-1.35482546600958	0.179063210327457	0.0211382550137041	0.35580300335149
MESO	SIN3B	cg06815056	-0.13637260000211	87	-1.26915013522082	0.207851743477556	0.0185974860313355	0.39287651024353
MESO	SIRT1	cg02720207	0.0926735691807328	87	0.858100889706564	0.393249974696402	0.00858839042469607	0.590066092641005
MESO	SIRT1	cg03211233	-0.0476746667780224	87	-0.440039070971991	0.661025717181535	0.00227287385239548	0.802782438178815
MESO	SIRT1	cg07832903	-0.0333625807931781	87	-0.307759121980579	0.759018480896142	0.00111306179718134	0.865793016170593
MESO	SIRT1	cg10582690	0.051370904270632	87	0.474242504943279	0.636543020223323	0.00263896980558244	0.786086503336512
MESO	SIRT1	cg10705386	-0.00079401285367860	87	-0.0073204391117611	0.994176340662397	6.30456411806845e-07	0.997021531551211
MESO	SIRT1	cg19192316	-0.0513533571499675	87	-0.474080086200625	0.636658357252895	0.00263716729057211	0.786186866950248
MESO	SIRT1	cg19681528	0.00261860631997326	87	0.0241424401568353	0.980795578266584	6.85709905900389e-06	0.990066386575959
MESO	SIRT1	cg19980381	0.0613478926922613	87	0.566666972935207	0.572433772617781	0.0037635639377812	0.740015502717445
MESO	SIRT1	cg25513531	0.061425094625015	87	0.56738278184867	0.571949650233851	0.00377304224969205	0.739667466932569
MESO	SIRT4	cg04118464	-0.00343273290341692	86	-0.0314617021084178	0.974975969032383	1.17836551862011e-05	0.986832077714679
MESO	SIRT4	cg07106325	-0.12170591582262	87	-1.13047683540313	0.261455143959715	0.0148123299462227	0.456799210204584
MESO	SIRT4	cg08264848	-0.0145517954494699	87	-0.134175131942766	0.893581277756259	0.000211754750803212	0.94359733950285
MESO	SIRT4	cg12124973	-0.0769332373350599	87	-0.711397809545494	0.47878554210317	0.00591872300685266	0.666256485969484
MESO	SIRT4	cg20010714	0.0826893633798953	87	0.764978028111031	0.446403358556879	0.00683753081617237	0.63820896966909
MESO	SIRT4	cg21068152	-0.10348741546782	87	-0.95925730743899	0.340149821590028	0.0107096451602091	0.539405491994509
MESO	SIRT4	cg21123573	-0.0396031340695312	87	-0.365409523300923	0.71571346507522	0.00156840822812926	0.838388419118244
MESO	SIRT5	cg01064902	-0.051832216675231	87	-0.4785126391872	0.633513929490957	0.00268657868546809	0.784108676289429
MESO	SIRT5	cg02206980	-0.212928664381037	87	-2.00918031714441	0.0476911088004141	0.0453386161150924	0.139412612640025
MESO	SIRT5	cg02712746	0.000605181339223601	87	0.0055794972834261	0.995561302538021	3.66244453344471e-07	0.997741625910064
MESO	SIRT5	cg06139021	0.109486008650548	87	1.01551606465015	0.312741824202651	0.011987186090228	0.511739961670386
MESO	SIRT5	cg07534331	0.0100067531631699	87	0.0922623251256323	0.926706724022127	0.000100135108868611	0.961332180613631
MESO	SIRT5	cg07909422	-0.00523116345071918	87	-0.0482296039050545	0.961646400543002	2.73650710481402e-05	0.979897609896988
MESO	SIRT5	cg08619119	0.0205465408482019	87	0.18946974432129	0.850176374519213	0.000422160340826831	0.920107198370381
MESO	SIRT5	cg10907941	-0.10701869588648	87	-0.992362755466571	0.323837209173889	0.011453001269243	0.523196818745901
MESO	SIRT5	cg11824369	-0.0619694692023212	87	-0.572430461613678	0.568541392257768	0.00384021511321743	0.736955296409305
MESO	SIRT5	cg19366958	0.114469018269513	87	1.06233512442956	0.29109253230818	0.0131031561435862	0.488665597600021
MESO	SIRT5	cg20150972	0.030453210972556	87	0.280895013386417	0.779473525626208	0.000927398058539007	0.878104197355266
MESO	SIRT7	cg11691214	-0.284125106917678	87	-2.73210156927379	0.00765281113858545	0.0807270763809819	0.0347442538497296
MESO	SIRT7	cg12710567	-0.268814130737521	87	-2.57305256871345	0.0118160918079342	0.072261036884169	0.0485820541253861
MESO	SIRT7	cg17552093	0.00227582598689804	87	0.020982133200601	0.983309084682579	5.17938392264046e-06	0.991358882722222
MESO	SIRT7	cg20397086	-0.339451076814192	87	-3.32713736197789	0.00129780125388587	0.115227033550315	0.00833563001525739
MESO	SMARCA	cg03460558	-0.124914742750288	87	-1.1607486116489	0.248993750968454	0.0156036929563705	0.442474812409254
MESO	SMARCA	cg06675660	-0.122308837581249	87	-1.13616196766382	0.259081987677136	0.0149594517504764	0.453839769181605
MESO	SMARCA	cg08617833	-0.274575049582677	87	-2.63264064994599	0.0100619833704702	0.0753914578533293	0.0428394228503918
MESO	SMARCA	cg12935118	-0.0879915209597261	87	-0.814400617192827	0.417691301736294	0.00774250776080592	0.613092021269307
MESO	SMARCA	cg17420696	-0.117510931038383	87	-1.09095584327735	0.27837520028218	0.0138088189135076	0.475285759168464
MESO	SMARCA	cg18959966	-0.21540791678596	87	-2.03370582369745	0.045100087127847	0.0464005706140669	0.133805582472969
MESO	SMARCA	cg24447042	-0.228170220994821	87	-2.16061993634536	0.0335388578954968	0.0520616497488255	0.107256512008644
MESO	SMARCA	cg26010110	-0.237577845678336	87	-2.25492128387272	0.0267082756404124	0.0564432327571593	0.0905137210802754
MESO	SMARCA	cg27353825	-0.0123314368794763	87	-0.113698875633284	0.909744627052991	0.000152064335512508	0.952077399838035
MESO	SMARCA	cg04518912	-0.0568283038539498	87	-0.524779134655295	0.601102779819858	0.00322945611891685	0.760929958233898
MESO	SMARCA	cg13529335	-0.115274417439941	87	-1.06990997386069	0.287688647935163	0.0132881913161178	0.485213022817736
MESO	SMARCA	cg14290704	-0.290922435037925	87	-2.80343008899689	0.0062628564165503	0.0846358632083955	0.0296705847600622

MESO	SMARCA	cg21210735	-0.0865563741571242	87	-0.801016591421164	0.425355445916853	0.00749200590722808	0.620128529252711
MESO	SMARCA	cg08405378	-0.252725613788197	87	-2.40818970764702	0.0181939378425778	0.0638702358646209	0.0676729237640688
MESO	SMARCA	cg17218495	0.13192651613228	87	1.22702721317131	0.223200131163736	0.0174046056588008	0.411971557353831
MESO	SMARCA	cg17747332	-0.221430214219042	87	-2.0934531237748	0.0392885506686961	0.0490313397690908	0.120902433177237
MESO	SMARCA	cg18522266	-0.190840569344827	87	-1.7924056551993	0.0766258935651705	0.0364201229078579	0.196935305560437
MESO	SMARCA	cg23892580	-0.056666010959482	87	-0.523275611386188	0.602143991299694	0.00321103679806014	0.761612252205131
MESO	SMARCA	cg01278696	0.0617631199395336	87	0.570517040668161	0.569832195283733	0.00381468298466521	0.738016543883813
MESO	SMARCA	cg01575392	-0.379763919424403	87	-3.78479410416849	0.000285760394864486	0.144220634496584	0.0023459734231836
MESO	SMARCA	cg02782292	0.219074640321794	87	2.07005392290153	0.0414826202596917	0.0479936980321234	0.125685424539744
MESO	SMARCA	cg05358385	-0.199845766683358	87	-1.880419951711	0.0634756796892121	0.039938330461259	0.171510908182204
MESO	SMARCA	cg10878459	-0.383121894393071	87	-3.82398806418392	0.000249637583330013	0.146782385963335	0.00209000281506404
MESO	SMARCA	cg12253543	-0.243391299880604	87	-2.31352893451568	0.0231080390069288	0.05923932485757	0.0812211081419156
MESO	SMARCA	cg13848802	-0.475372066372896	87	-4.98157459036842	3.27504849105481e-06	0.225978601487637	4.89133579639249e-05
MESO	SMARCA	cg13898584	-0.156357206679262	87	-1.45949314611655	0.148115366180974	0.0244475760805413	0.3130855309807
MESO	SMARCA	cg16091845	-0.12273998878786	87	-1.14022820593598	0.257393951929158	0.015065104847644	0.451865192327191
MESO	SMARCA	cg16587443	-0.0139310156727603	86	-0.127692259079839	0.898697716881031	0.000194073197674693	0.946462476133683
MESO	SMARCA	cg19993723	-0.0406201742572767	87	-0.374808847113584	0.708736167314655	0.00164999855669152	0.8340330282735
MESO	SMARCA	cg20045045	-0.0875437904479942	87	-0.810224585805886	0.420073706323302	0.00766391524600231	0.615381400830728
MESO	SMARCA	cg22077701	-0.142018571331537	87	-1.32275397519704	0.189464970415505	0.0201692746030508	0.369376686176572
MESO	SMARCA	cg24607315	-0.318106986962473	87	-3.0934935844586	0.00267686402990845	0.101192055154343	0.0150389225350399
MESO	SMARCB	cg01745726	-0.404657459718243	87	-4.07970105344168	0.000101301221811876	0.163747659705621	0.000974239986355925
MESO	SMARCB	cg01912455	-0.182743244599566	87	-1.71366645981613	0.0902348736886183	0.0333950934467768	0.221205387399394
MESO	SMARCB	cg03979008	0.0463033791891854	87	0.427354433353702	0.67020185106507	0.00214400292433749	0.808934318948616
MESO	SMARCB	cg10122452	0.0747843941727751	87	0.691414195687057	0.49118943353796	0.005592705611789	0.676850425872856
MESO	SMARCB	cg16142952	0.289049050101755	87	2.78372588839996	0.00662169030662509	0.0835493533647266	0.0310019123563789
MESO	SMARCB	cg19906397	0.183586877251661	87	1.72185286859396	0.0887335208997221	0.0337041414990164	0.218682618161091
MESO	SMARCC	cg02564102	0.252227911247366	87	2.4031246105176	0.0184311901363764	0.0636189192122092	0.0683589192234044
MESO	SMARCC	cg02627110	-0.278677688170064	87	-2.67526270606191	0.00895589225023399	0.0776612538838115	0.0391941202584779
MESO	SMARCC	cg05592996	-0.254498496176626	87	-2.42624888526291	0.0173700313951166	0.0647694845561644	0.0653265432770587
MESO	SMARCC	cg07143957	0.0852027072718504	87	0.788397044809227	0.432657814115398	0.00725950132645263	0.626338568448645
MESO	SMARCC	cg07304068	-0.298392166540345	87	-2.88235004746883	0.00499717518235805	0.0890378850526411	0.0247564316459506
MESO	SMARCC	cg07474652	-0.233437797365474	87	-2.21334091593429	0.0295530618523798	0.0544932052388442	0.0976035256636913
MESO	SMARCC	cg12894336	-0.158399331539153	87	-1.47904239376188	0.142825527493269	0.0250903482320505	0.305447797608625
MESO	SMARCC	cg16250355	0.208781484142192	87	1.96824575247022	0.0522993027302052	0.0435897081206164	0.149097477154558
MESO	SMARCC	cg20685352	-0.0216024877580062	87	-0.199211584481123	0.842573003880514	0.000466667477334807	0.915807975966924
MESO	SMARCC	cg22984439	-0.0343512768870247	87	-0.316890146419246	0.752103961731867	0.00118001022376903	0.861182447566601
MESO	SMARCD	cg02553054	0.0425686639634438	87	0.392819763890474	0.695436017882703	0.0018120911516326	0.825423761121203
MESO	SMARCD	cg04550398	-0.409815521887582	87	-4.14212147034326	8.08651825861556e-05	0.167948761979991	0.000801685486696494
MESO	SMARCD	cg09878554	0.107185597474629	87	0.993928373179379	0.323078813651951	0.0114887523059933	0.522517062623227
MESO	SMARCD	cg13349421	-0.0762089591347512	87	-0.704661133914576	0.482947461559798	0.00580780545240218	0.669910343998705
MESO	SMARCD	cg17846064	-0.143081593531383	87	-1.33286105867939	0.186139124693059	0.0204723424074799	0.365046186236227
MESO	SMARCD	cg18591973	-0.143683804749941	87	-1.3385888955381	0.184273915902076	0.0206450357474193	0.362701270460634
MESO	SMARCD	cg20405918	-0.0271567138322703	87	-0.250464904843897	0.80283225120153	0.000737487106167823	0.892511791385196
MESO	SMARCD	cg22402853	-0.176320982413423	87	-1.65147322322482	0.102331943548719	0.0310890888392346	0.242198156817336
MESO	SMARCD	cg25107077	-0.0919206879287414	87	-0.85107001714921	0.397121706284196	0.00844941286929306	0.593743965611023
MESO	SMARCD	cg00945038	-0.11543010674403	87	-1.07137449149716	0.287033707831961	0.0133241095429381	0.484455008831892
MESO	SMARCD	cg02127607	-0.047878420501626	87	-0.441924037743058	0.659666493521686	0.00229234314973053	0.801912119028945
MESO	SMARCD	cg02360836	0.105859046859737	87	0.981487021660192	0.329138039426154	0.0112061378020521	0.528820600159404
MESO	SMARCD	cg04367190	-0.0066438373274837	87	-0.0612545055272071	0.951300322686778	4.41405744340658e-05	0.974218213172529
MESO	SMARCD	cg06420487	-0.0844952060004109	87	-0.781803125419024	0.436502619878548	0.00713943983705188	0.62957310956916
MESO	SMARCD	cg07362569	0.0645195066587093	87	0.596082429914864	0.552704238120751	0.00416276673948323	0.72488633053576
MESO	SMARCD	cg11697258	-0.069611443267006	87	-0.643346437830141	0.521731250100916	0.0048457530337156	0.701656045289641
MESO	SMARCD	cg12577610	0.170096991097012	87	1.59140784010072	0.11523026781156	0.028932986380257	0.26324328118323
MESO	SMARCD	cg15868002	0.0252061322567315	87	0.232462916223504	0.816737295484619	0.000635349103343842	0.901446874877135
MESO	SMARCD	cg19016967	0.037372411063075	87	0.344797478228733	0.73109832447282	0.00139669710866745	0.84806026950991
MESO	SMARCD	cg19143629	-0.0116216278272568	87	-0.107153350849295	0.914919832730815	0.00013506223335527	0.955027290848176
MESO	SMARCD	cg21254277	-0.15298468104385	87	-1.42724985377841	0.157171277215543	0.0234043126340885	0.325853317982607

MESO	SMARCD	cg23682543	-0.0636583996204667	87	-0.588094249203842	0.558028356380011	0.00405239184223904	0.72916755552793
MESO	SMARCD	cg24795630	-0.201800001447447	87	-1.8995847152944	0.0608789537136385	0.0407232405841895	0.166351152975019
MESO	SMARCD	cg25945412	0.0861897217017411	87	0.797598039029645	0.427326343143158	0.00742866812702357	0.621684793531928
MESO	SMARCD	cg00864064	0.0101933899254842	87	0.0939832943917783	0.925343614698049	0.000103905198172964	0.960673950887059
MESO	SMARCD	cg02917064	-0.144763460273343	87	-1.34886167445211	0.180964025456233	0.0209564594303117	0.358180220749598
MESO	SMARCD	cg14795305	-0.106443153320483	87	-0.986964537526985	0.326461185589042	0.0113301448888079	0.525920925071731
MESO	SMARCD	cg19786287	0.0255319843411408	87	0.235470026590375	0.814410333511994	0.000651882224396261	0.900137522634679
MESO	SMARCD	cg19902439	-0.067017055653452	87	-0.619258923332757	0.537402097128584	0.00449128574845788	0.713326828146687
MESO	SMARCD	cg22750243	-0.112471509455704	87	-1.04355750621235	0.299649036912779	0.0126498404392445	0.497921504966772
MESO	SMARCD	cg22787816	-0.20132032525928	87	-1.89487845372633	0.0615081868209689	0.0405298733625023	0.167658463512511
MESO	SMNDC1	cg03999743	-0.14947301995883	87	-1.39373059453981	0.167032281676026	0.0223421836956128	0.339706395145349
MESO	SMNDC1	cg08770590	0.0625968395816745	87	0.578248351216959	0.564625377328056	0.00391836432561389	0.734289550207439
MESO	SMNDC1	cg11559952	-0.0644778836803474	87	-0.595696277887175	0.552961023862683	0.00415739748389642	0.72507163380484
MESO	SMNDC1	cg12486840	0.0902773293690464	87	0.83572841059871	0.405650819318138	0.0081499961980073	0.602006864518032
MESO	SMNDC1	cg17981675	-0.250544017543557	87	-2.3860027683922	0.0192537184358104	0.062772304726866	0.0706520647167657
MESO	SMNDC1	cg18209001	-0.1167777849863	87	-1.08405501048005	0.281405747413323	0.0136370510663066	0.478579863897691
MESO	SMNDC1	cg21872391	0.149946287522417	87	1.39824481824856	0.165677312404197	0.0224838891417554	0.337833892720298
MESO	SMNDC1	cg23721301	-0.170824991307619	87	-1.5984232066148	0.11365973927888	0.0291811776552481	0.260886743831849
MESO	SMNDC1	cg26944434	0.220770859416029	87	2.08689953135754	0.0398927160971613	0.0487397723672921	0.122253848968389
MESO	SMYD1	cg00578637	-0.310690863795292	87	-3.01356658677994	0.00340199571225358	0.096528812845865	0.0182269183497972
MESO	SMYD1	cg00666842	-0.173535821985669	87	-1.62456991902042	0.107956875687102	0.0301146815122419	0.251621265680309
MESO	SMYD1	cg03704645	-0.123193701712584	87	-1.14450793432474	0.255625693690995	0.0151766881416492	0.449912787669622
MESO	SMYD1	cg14559139	-0.356313492077635	87	-3.51580262737364	0.000705843458819834	0.126959304636559	0.005021525929166
MESO	SMYD1	cg16090764	-0.389002236904523	87	-3.8930526647171	0.000196337761943969	0.151322740316722	0.00170944598239162
MESO	SMYD1	cg18148488	-0.253260451064334	87	-2.41363499986061	0.0179419159449304	0.0641408560733098	0.0669692644189575
MESO	SMYD1	cg19074493	-0.00210080761128629	87	-0.0193685319089883	0.98459250677634	4.41339261963842e-06	0.99189844047809
MESO	SMYD2	cg01770831	-0.0735796956003661	87	-0.680215106377139	0.498216825103689	0.00541397160464253	0.68250827097479
MESO	SMYD2	cg04406444	-0.224086600722429	87	-2.11988671686165	0.0369312653574313	0.0502148046233335	0.115411312555308
MESO	SMYD2	cg11523160	-0.172857135889964	87	-1.61802025772219	0.109363326597931	0.0298795894280814	0.253881132444852
MESO	SMYD2	cg14013804	0.15238436623939	87	1.42151588746392	0.15882555803965	0.0232209950741805	0.328102274739406
MESO	SMYD2	cg27570636	-0.101372503792465	87	-0.939447834377744	0.350162879572743	0.0102763845251533	0.549168935381023
MESO	SMYD5	cg01329511	-0.0415269747370606	87	-0.383190336213394	0.702535315603655	0.00172448963081247	0.829788816689175
MESO	SMYD5	cg05103132	-0.164914450119666	87	-1.54154310553569	0.126899490144384	0.0271967758582718	0.281478642115997
MESO	SMYD5	cg06754047	-0.152903896665009	87	-1.42647813972827	0.157393143829655	0.0233796016153437	0.326068454269357
MESO	SMYD5	cg08834152	0.0898975973493609	87	0.832184398469072	0.407636825533125	0.00808157800918781	0.603809730993412
MESO	SMYD5	cg15623359	-0.15077512825707	87	-1.4061530183675	0.163323931200579	0.0227331393009359	0.334296890147021
MESO	SMYD5	cg17895873	-0.040089615562482	87	-0.369905364232042	0.712373057842166	0.0016071772759476	0.836364523049358
MESO	SMYD5	cg20402064	-0.0316276853455025	87	-0.29173880232313	0.7711197154904489	0.00100031048031411	0.873214952888321
MESO	SMYD5	cg25886337	-0.0655138497297166	87	-0.605308258055562	0.546586951690451	0.00429206450640788	0.72012923689172
MESO	SMYD5	cg26467949	-0.00969489568844665	87	-0.0893867226809979	0.928984857648268	9.39910024098615e-05	0.962424898002282
MESO	SP100	cg05876232	0.0317802066340795	87	0.293147101902081	0.770124209370696	0.00100998153370479	0.872575629824992
MESO	SP100	cg09456094	-0.183326269741706	87	-1.71932357657163	0.0891951798754653	0.0336085211774087	0.219444965946615
MESO	SP100	cg11702456	-0.206953992570193	87	-1.95024297748291	0.0544429359539728	0.0428299550407433	0.153552381802739
MESO	SP100	cg11827097	0.120871289479657	87	1.12260898504546	0.264764600774528	0.0146098686204751	0.460373208597533
MESO	SP100	cg23539753	-0.272535854417784	87	-2.61151363662582	0.0106549252173268	0.0742757919432314	0.0447859463374796
MESO	SP100	cg27140170	0.000900930796945915	87	0.00830617490635052	0.993392171334357	8.11676300885601e-07	0.996543438602994
MESO	SP140L	cg04002454	-0.0832135469585587	87	-0.769861075251979	0.443516602872216	0.00692449439742426	0.635670632739621
MESO	SP140L	cg05217331	-0.149107137153212	87	-1.39024132323696	0.168085400416879	0.0222329383500267	0.341143637882356
MESO	SP140L	cg13278004	-0.28276460942421	87	-2.71787935822229	0.00796155748219756	0.079955824342826	0.0358053765042246
MESO	SP140L	cg24044052	-0.447368696970137	87	-4.61177092532456	1.39738679386896e-05	0.200138751028758	0.00017542086209818
MESO	SP140L	cg25095994	-0.223656095976548	87	-2.11559942357634	0.0373050614048973	0.050022049267471	0.116326356699238
MESO	SP140L	cg26847438	-0.00920379971692326	87	-0.0848584349183208	0.932573489113413	8.47099292292368e-05	0.964243256074514
MESO	SSRP1	cg01511567	-0.0647848612247617	87	-0.598544297573553	0.55106853126061	0.00419707824391163	0.7235413556268
MESO	SSRP1	cg01766191	-0.155782935764363	87	-1.45399912297746	0.149629092128875	0.0242683230753636	0.315086635981749
MESO	SSRP1	cg02688348	0.151913751903149	87	1.41702189473357	0.160131449210704	0.0230777880172914	0.329906407836269
MESO	SSRP1	cg04937561	-0.0131759763789706	87	-0.121487045913411	0.903592018509324	0.000173606353539191	0.94890107339488
MESO	SSRP1	cg08821673	-0.148745092476572	87	-1.38678922942911	0.169132283596983	0.0221251025358639	0.342517750563433

MESO	SSRP1	cg09381635	-0.138061965956353	87	-1.28517579952826	0.202221706646368	0.019061106443733	0.385730320049171
MESO	SSRP1	cg11948159	0.18104061348396	87	1.69715644157164	0.0933260315906097	0.0327757037306486	0.226675990557304
MESO	SSRP1	cg12795368	-0.0388338920543754	87	-0.358301067937207	0.72100634115621	0.00150807117209088	0.841918032425351
MESO	SSRP1	cg12911972	-0.190979927024492	87	-1.79376405238004	0.0764069429859742	0.0364733325262805	0.196531016777262
MESO	SSRP1	cg16313264	0.0207709621173071	87	0.191540131472805	0.848559253606235	0.000431432867278607	0.919197787174513
MESO	SSRP1	cg22636253	-0.167869006630695	87	-1.56995450661003	0.120141000356306	0.0281800033871762	0.270935600147241
MESO	SSRP1	cg26706201	-0.0467266290683089	87	-0.431269303230795	0.66736438466829	0.00218337786408733	0.807103691269102
MESO	STK31	cg00755064	0.105186036570259	87	0.975177074983824	0.332239594326232	0.0110641022893598	0.531936178991436
MESO	STK31	cg05000488	0.0465117996257044	87	0.429282199130957	0.668804020162945	0.00216334750442167	0.807902794170126
MESO	STK31	cg05407490	0.0345012310281517	87	0.318275116695704	0.751056935756082	0.00119033494245789	0.860572705396774
MESO	STK31	cg11755819	0.0128469268899428	87	0.118452588921511	0.905988542197569	0.000165043530515535	0.95023017650485
MESO	STK31	cg13313214	0.0443610817587886	87	0.409391986209072	0.683281834487334	0.00196790557480993	0.817581205813108
MESO	STK31	cg13514718	-0.0255630374247461	87	-0.235756602390885	0.81418866204448	0.000653468882378969	0.900046790318563
MESO	STK31	cg13802883	0.0618424237331095	87	0.571252394611298	0.569335953666164	0.00382448537318546	0.737604229678511
MESO	STK31	cg14898779	-0.0439372260000303	87	-0.405472776014591	0.686148822486275	0.00193047982857774	0.819333720096295
MESO	STK31	cg17102984	0.0204728552773417	87	0.188789968050027	0.850707468818708	0.000419137803206977	0.920392979935505
MESO	STK31	cg17331904	0.0368469060310211	87	0.339942535701188	0.734738408100235	0.0013576944840589	0.850460940112165
MESO	STK31	cg21519371	0.0697278887692511	87	0.644427876486155	0.521033339675092	0.00486197847221706	0.701171830689533
MESO	STK31	cg25570411	-0.0023928536659389	87	-0.0220610839111213	0.982450935926869	5.72574866659725e-06	0.99086013440589
MESO	STK31	cg25612145	0.0383426046844091	87	0.35376148631026	0.72439361233206	0.00147015533398487	0.843905486586104
MESO	SUV39H	cg05903800	-0.0838671295794577	87	-0.775950444721888	0.439931945806125	0.00703369542389754	0.632525658270496
MESO	SUZ12	cg00160853	-0.345481280982028	87	-3.39417412372362	0.00104782538228309	0.119357315508983	0.0069789835436071
MESO	SUZ12	cg01109633	-0.218414416786235	87	-2.06350240594238	0.042115547798105	0.0477048574600714	0.127137637772828
MESO	SUZ12	cg07482957	-0.113913761280907	87	-1.05711412108719	0.293454661476166	0.0129763450091634	0.491189447143251
MESO	SUZ12	cg08177746	0.0690611346452501	87	0.638236034600888	0.525035875941015	0.00476944031848936	0.704096551162822
MESO	SUZ12	cg17335595	-0.240016622690467	87	-2.27947578553629	0.02514384792664	0.057607979167738	0.0866079480011084
MESO	SUZ12	cg25098644	-0.0949182303349895	87	-0.879071789788134	0.381840730149842	0.00900947044992612	0.580289678064553
MESO	TAF3	cg00194465	0.0434629458183473	87	0.401087573052365	0.689362150806459	0.0018890276592086	0.82142293503818
MESO	TAF3	cg02334915	0.110793136430222	87	1.02778984622419	0.306964608534916	0.0122751190800457	0.505450412876818
MESO	TAF3	cg03672997	0.0125373629720487	87	0.11559786080712	0.908243917421294	0.000157185470292898	0.951353396662065
MESO	TAF3	cg04179819	-0.156528435982823	87	-1.46113158225955	0.147666252798015	0.0245011512712287	0.312424827168778
MESO	TAF3	cg04234156	0.0932884207911203	87	0.863843856473656	0.390104792868725	0.00870272945370114	0.587577925156917
MESO	TAF3	cg05976695	-0.113854666260637	87	-1.05655851810904	0.293706800341916	0.0129628850293211	0.491458337161849
MESO	TAF3	cg07855525	-0.137146232601976	87	-1.27648755973017	0.205259806153374	0.0188090891169153	0.389519962918855
MESO	TAF3	cg09871669	-0.149903869707556	87	-1.397840179349	0.165798422575151	0.0224711701532998	0.33799225612042
MESO	TAF3	cg09994553	-0.00934446083279109	83	-0.0841038195038122	0.93318140394764	8.73189482555668e-05	0.964483648722339
MESO	TAF3	cg11104088	-0.0547641619095687	87	-0.505659459814897	0.614404543022485	0.00299911342965746	0.77066553685713
MESO	TAF3	cg12176426	0.124596793011449	87	1.15774746849359	0.250209968944838	0.0155243608287377	0.443865477007747
MESO	TAF3	cg12590721	0.00925737804561076	87	0.0853524658403813	0.932181904459881	8.5699048279356e-05	0.964018331757955
MESO	TAF3	cg12777293	0.0499686724690253	87	0.461264615692121	0.645786954947312	0.00249686822831672	0.792340515309064
MESO	TAF3	cg27268107	-0.0035345655964975	87	-0.0325872882137668	0.974080106525984	1.24931539559437e-05	0.986465403984912
MESO	TCEA1	cg01677098	-0.177888505410761	87	-1.66663269403201	0.0992684387133265	0.0316443203572744	0.236995210104788
MESO	TCEA1	cg06047473	-0.148094723873801	87	-1.38058940005637	0.171024932850903	0.0219320472392573	0.34505841702705
MESO	TCEA1	cg11530293	-0.0967625314829694	87	-0.896312409967972	0.372617402172532	0.00936298749899265	0.571247796480568
MESO	TCEA1	cg11787876	0.0251516170475654	87	0.23195983249033	0.817126752909021	0.000632603840107382	0.901667498096516
MESO	TCEA1	cg12850379	-0.0681648478696317	87	-0.629913980057014	0.530440548920577	0.00464644648509003	0.708299808350379
MESO	TCEA1	cg23569945	-0.0682210509972703	87	-0.63043578284867	0.530100826491464	0.00465411179917216	0.708082503415958
MESO	TCEA1	cg26181865	-0.193815075046027	87	-1.82142440257636	0.072060330026368	0.037564283315097	0.188271891035697
MESO	TCEA1	cg26358945	0.0431356722252299	87	0.398061754215079	0.691582702313459	0.00186068621832247	0.822809517377108
MESO	TDRD1	cg00337703	-0.0229300031640895	87	-0.211459782081896	0.833034695170998	0.000525785045105154	0.910465327434497
MESO	TDRD1	cg02635786	-0.0402139365209148	87	-0.371054324187128	0.711520278461179	0.00161716069050816	0.835771657827628
MESO	TDRD1	cg16550453	-0.358967298993766	87	-3.54584505917151	0.000639356434919372	0.12885752174688	0.00461692142375546
MESO	TDRD1	cg23504215	-0.023145735355345	87	-0.213450319108011	0.831486880853612	0.000535725065139667	0.909691101041144
MESO	TDRD1	cg23825092	0.0209698179724743	87	0.19337469037565	0.847126873103489	0.000439733265798705	0.918362543379237
MESO	TDRD1	cg24203376	-0.0988269432333254	87	-0.915621698816959	0.362455689640223	0.00976676470884291	0.561400030260652
MESO	TDRD1	cg26600802	-0.22371355356633	87	-2.11617155446105	0.0372549903070449	0.0500477540492754	0.116226127524312
MESO	TDRD1	cg27547703	0.0792173844420755	87	0.732650651289765	0.465787109904273	0.00627539399784358	0.655038910081584

MESO	TDRD3	cg01557749	-0.0632434919227098	87	-0.584245771475388	0.560602395719849	0.00399973927057786	0.731258115874343
MESO	TDRD3	cg03447530	-0.29123982186943	87	-2.80677183370797	0.0062037968674211	0.0848206338425371	0.0294530802822017
MESO	TDRD3	cg05666423	-0.125216638971524	87	-1.16359856107561	0.247842703998069	0.0156792066753249	0.441195288776591
MESO	TDRD3	cg10765900	0.0641279128320266	87	0.592449589958562	0.555122377949996	0.00411238920419201	0.72665464571966
MESO	TDRD3	cg18522102	0.237357614000104	87	2.25270614433062	0.0268535285593224	0.0563386369238224	0.0908920629252694
MESO	TDRD3	cg19937698	0.18445398077211	87	1.73027113643921	0.0872110734862588	0.0340232710226779	0.215943034273029
MESO	TDRD3	cg20944895	-0.382314630581669	87	-3.8145496434479	0.000257915351852067	0.146164476756798	0.00214842900915003
MESO	TDRD3	cg22045829	0.0911911204837685	87	0.844258267859822	0.4008950058358	0.00831582045508518	0.597433548216356
MESO	TDRD3	cg23103367	-0.121187855343877	87	-1.12559290075994	0.263506032870008	0.0146864962828484	0.458923352760129
MESO	TDRD3	cg23767211	0.100860908403503	87	0.93465788296292	0.352612338689162	0.0101729228439798	0.55161222377254
MESO	TDRD3	cg26737458	-0.104774040584571	87	-0.971314990887814	0.334147390907867	0.0109775995804173	0.533732872746499
MESO	TDRD5	cg05378938	-0.286564446561462	87	-2.75764668828836	0.00712554813862165	0.0821191820330767	0.0328605662396071
MESO	TDRD5	cg07171496	-0.308830577850917	87	-2.99361387000532	0.00360946237455805	0.0953763258157314	0.0190834929975784
MESO	TDRD5	cg07901138	-0.292700782129591	87	-2.82216727151127	0.00593824474085648	0.0856737478592745	0.0284458011927456
MESO	TDRD5	cg09656934	0.152941656248558	87	1.4268388444469	0.157289411725877	0.023391150216052	0.325958935928045
MESO	TDRD5	cg11853788	0.116764667717935	87	1.0839315588782	0.281460168692981	0.0136339876272797	0.478633015424867
MESO	TDRD5	cg12277666	-0.292880294031592	87	-2.82406043610232	0.00590631986240408	0.085778866632032	0.0283277587777967
MESO	TDRD5	cg13848905	-0.246085158372509	87	-2.34077611057932	0.0215854603008539	0.060557905171223	0.077175679131372
MESO	TDRD5	cg15545772	-0.217958387025571	87	-2.05897887867365	0.0425573934052588	0.0475058584747887	0.128138323434172
MESO	TDRD7	cg24339935	0.156645815474946	87	1.46225482551658	0.147358971926863	0.0245379115058107	0.312063260162742
MESO	TDRD9	cg07613153	0.0139414619675087	87	0.128546421437766	0.898020229072169	0.000194364361791493	0.946027651130161
MESO	TDRD9	cg08933517	0.115148891209459	87	1.06872924844475	0.288217421163207	0.0132592671467678	0.485763925063312
MESO	TDRD9	cg16701547	-0.177532651334695	87	-1.6631900945668	0.0999575201869614	0.0315178422899265	0.238172542051042
MESO	TRIM24	cg00733782	0.0237468265036395	87	0.21899667877967	0.827177633379591	0.000563911768993955	0.907179473515184
MESO	TRIM24	cg02308366	0.0226082485769498	87	0.208491042983271	0.835344368493537	0.000511132903717151	0.911827125972916
MESO	TRIM24	cg06386929	-0.111364802257686	87	-1.0331594167562	0.30445993599385	0.0124021191818934	0.503046425227769
MESO	TRIM24	cg06650216	0.0700373234623438	87	0.647301749887578	0.519181055169386	0.00490522667776897	0.699831124706415
MESO	TRIM24	cg10571650	-0.0143569469171268	87	-0.132378154096509	0.894998060751784	0.000206121924781196	0.944215125484808
MESO	TRIM24	cg10703331	-0.118981119460345	87	-1.10479964609151	0.272363954891309	0.0141565067880368	0.468747293727497
MESO	TRIM24	cg13935558	-0.0124639612023557	87	-0.114920971271142	0.908778804483253	0.000155350328853827	0.951546381192522
MESO	TRIM24	cg26889928	-0.149644619008161	87	-1.39536726454429	0.166540050034253	0.0223935119980976	0.339042123161349
MESO	TRIM33	cg00760200	-0.146930722712983	87	-1.36949778377426	0.17445112756456	0.0215886372769595	0.349819590611094
MESO	TRIM33	cg02852257	-0.060779626678306	87	-0.561398378259535	0.576003156657095	0.00369416301915424	0.742691633796
MESO	TRIM33	cg05792124	0.0321079161221031	87	0.296173064598198	0.767820326560683	0.00103091827770401	0.871313506987396
MESO	TRIM33	cg16036305	-0.0145153849344041	87	-0.133839337193476	0.893846000756525	0.000210696399793926	0.943729211786503
MESO	TRIM33	cg17645130	0.044307713789292	87	0.408898503617905	0.683642573150587	0.00196317350123382	0.817755236712911
MESO	TRIM33	cg18199720	0.0846957262261277	87	0.783671854673109	0.435410964919412	0.00717336604097117	0.628668331153967
MESO	TRIM33	cg20932765	-0.144012213950898	87	-1.34171314711962	0.183262489936867	0.0207395177670393	0.361405448746417
MESO	TRIM33	cg20992663	-0.200631215914189	87	-1.88811985996853	0.0624213980128475	0.0402528847992059	0.169442346471528
MESO	TRIM33	cg21666217	-0.0795476603377513	87	-0.735724655459514	0.463923672545883	0.00632783026521025	0.653150394202157
MESO	TRIM33	cg21813112	-0.151795988908086	87	-1.41589750621313	0.160459469269944	0.0230420222485839	0.330351316043287
MESO	TRIM66	cg06492264	-0.141424311954168	87	-1.31710586843074	0.191342851379294	0.0200008360117099	0.371835675964248
MESO	TRIM66	cg11245569	0.0420156211489069	86	0.385419872084066	0.700900653758553	0.00176531242052847	0.828664729280494
MESO	TRIM66	cg12608775	-0.139641958253319	87	-1.30017426915996	0.197055750465095	0.0194998765048216	0.379276347279186
MESO	TRIM66	cg13143389	-0.138563242924905	87	-1.28993320646716	0.200572335009234	0.0191997722898661	0.383600261326294
MESO	TRIM66	cg27044202	-0.144794824182112	87	-1.34916017123615	0.180868525740584	0.0209655411099287	0.358054968355421
MESO	UBE2A	cg00142683	-0.13101374212729	87	-1.21838885917319	0.226447203034009	0.017164600626196	0.415970028066576
MESO	UBE2A	cg00428314	-0.0915592097270346	87	-0.847694833091425	0.398988623180802	0.0083830888858391	0.595608023942726
MESO	UBE2A	cg00935924	-0.141808974307516	87	-1.32076170511176	0.190125775588625	0.0201097851941499	0.370238168318144
MESO	UBE2A	cg05206294	-0.14071540775035	87	-1.31037002582964	0.193600562883499	0.0198008259783473	0.374689296468768
MESO	UBE2A	cg06206449	-0.143928236200619	87	-1.34091419949178	0.183520737075232	0.020715337175821	0.361769378532942
MESO	UBE2A	cg06273903	-0.0654242019304662	87	-0.604476403686021	0.54713711902473	0.00428032619823841	0.720546706979652
MESO	UBE2A	cg09080960	-0.0905628790969364	87	-0.838393668036963	0.404161135535565	0.00820163507032632	0.600631237478196
MESO	UBE2A	cg14625604	-0.133834340195826	87	-1.2450928556081	0.216519304857529	0.0179116306156522	0.403785276329537
MESO	UBE2A	cg15661671	-0.0942465373442126	87	-0.872795048716479	0.385233736847456	0.00888240980137405	0.583313025756876
MESO	UBE2A	cg16211147	-0.0799212793697398	87	-0.739202364782018	0.4618206150601	0.006387410896096	0.651380163683898
MESO	UBE2A	cg17976175	-0.0762880491050197	87	-0.705396712880907	0.482492050243205	0.0058198664362499	0.669502471400896

MESO	UBE2A	cg18990292	-0.111861425935847	87	-1.03782497051986	0.302294898733767	0.012512978612401	0.500686183484739
MESO	UBE2A	cg25165659	-0.0679033536506182	87	-0.627486286603331	0.532022589425184	0.00461086543700093	0.709572009867982
MESO	UHRF2	cg06523306	0.0339971991243513	87	0.313619983636945	0.754578017385767	0.00115580954830079	0.862937187747102
MESO	UHRF2	cg08487038	0.020894829018074	87	0.192682871732941	0.847666968757768	0.000436593879694548	0.918722882847247
MESO	UHRF2	cg13428749	0.0487351747033969	87	0.44985065142216	0.653963270064152	0.00237511725337062	0.798051742643382
MESO	UHRF2	cg14078101	0.413732089788507	87	4.189836250800095	6.79811374505382e-05	0.171174242120766	0.000692305878626413
MESO	UHRF2	cg20595300	0.321380745672134	87	3.12897606463998	0.00240346671320298	0.103285583688777	0.0137910974463958
MESO	UHRF2	cg24119045	0.252751867085062	87	2.40845694296176	0.0181814962905528	0.063883506314985	0.0676423260059579
MESO	USP27X	cg00478198	0.15827411460817	87	1.47784313551571	0.143145728914238	0.0250506953550001	0.305905525235673
MESO	USP27X	cg01125381	-0.0860359960396302	87	-0.796164846442207	0.428154229532569	0.00740219261453127	0.622420673386031
MESO	USP27X	cg01290688	-0.0849465082662456	87	-0.786009129145998	0.434047858904993	0.00721590926662733	0.627580089503662
MESO	USP27X	cg01855997	0.15333031900937	87	1.43055198251135	0.156224644123622	0.0235101867275151	0.324577331171836
MESO	USP27X	cg06455206	-0.12347888819906	87	-1.14719837973005	0.254518488463481	0.0152470358308759	0.448735638009429
MESO	USP27X	cg06624970	0.132148529827261	87	1.22912879629007	0.222415319241129	0.0174632339355064	0.411016874006328
MESO	USP27X	cg16810342	0.123417678448892	87	1.14662090348271	0.25475585197214	0.0152319233537141	0.449011662248418
MESO	USP27X	cg16867483	0.0462688282052778	87	0.427034862597509	0.670433685638953	0.00214080446348951	0.80905732023631
MESO	USP27X	cg19318186	0.0496298078056267	87	0.458128779911408	0.648029008088578	0.00246311782282344	0.793839361550159
MESO	USP51	cg00834229	-0.123866039439258	87	-1.15085122125682	0.25302066683318	0.0153427957263677	0.447047234967532
MESO	USP51	cg01084827	-0.0109306933987978	87	-0.100782034640785	0.919960830558905	0.000119480058178521	0.957897994358404
MESO	USP51	cg02714202	-0.0953108308133769	87	-0.882741067326539	0.379865903638289	0.00908415447033616	0.578325729140809
MESO	USP51	cg03728850	-0.0733440272859525	87	-0.678024644082795	0.499597670442897	0.00537934633852254	0.683725655732087
MESO	USP51	cg07386410	-0.120738450135527	87	-1.12135695929285	0.265293938925242	0.0145777733411291	0.460994810801008
MESO	USP51	cg12064531	-0.0941888506325206	87	-0.872256042346436	0.385525978413238	0.00887153958347527	0.58353973003112
MESO	USP51	cg12517811	-0.0863188425893872	87	-0.798801884332151	0.42663167362462	0.00745094258597141	0.621174357326916
MESO	USP51	cg18770944	-0.0937320176683848	87	-0.867987852369234	0.387844995023821	0.00878569113618641	0.585728370017001
MESO	USP51	cg21331369	-0.12041331242005	87	-1.11829275755433	0.266592566976208	0.0144993658079686	0.462270465302851
MESO	USP51	cg25424556	-0.0591239955907753	87	-0.546051543045188	0.586460870509848	0.00349564685461801	0.750578062655355
MESO	WDR82	cg01736403	-0.0866286549083549	87	-0.801690553106928	0.424967525359856	0.00750452385123084	0.619842576643255
MESO	WDR82	cg03869063	-0.11562590367898	87	-1.07321640193131	0.286211450950035	0.0133693496015809	0.483476290691313
MESO	WDR82	cg10989431	0.177307496569097	87	1.6610122529349	0.100395444961766	0.0314379483396003	0.238886745132306
MESO	WDR82	cg11442381	-0.203230275093309	87	-1.91362607741084	0.0590337736475496	0.0413025447145022	0.162715185201866
MESO	WDR82	cg11665333	-0.232763415756807	87	-2.20657993274745	0.0300398748433719	0.0541788077147763	0.0987918843189716
MESO	WDR82	cg12661343	-0.202824268385745	87	-1.90963891172394	0.059552862602228	0.0411376838462128	0.16378037237168
MESO	WDR82	cg13539115	-0.118270826950764	87	-1.09811037176269	0.27525718632724	0.0139879885076175	0.471753377390702
MESO	WDR82	cg15991175	-0.223645957949445	87	-2.11549847712231	0.0373139019691186	0.0500175145071251	0.116344596784995
MESO	WDR82	cg17632831	-0.116143369490764	87	-1.0780849424284	0.28404586361167	0.0134892822766681	0.481333621891745
MESO	WDR82	cg24007312	-0.153230493256322	87	-1.42959821994434	0.156497609490774	0.0234795840635759	0.324967302816711
MESO	WDR82	cg26236504	0.212654502891994	87	2.00647073661002	0.0479850286943672	0.0452219376002413	0.140024913159334
MESO	WDR82	cg26858096	-0.270997709358531	87	-2.59560291021446	0.0111221500302334	0.0734397584775706	0.046318872561669
MESO	ZMYND1	cg00614684	-0.0165581916597457	87	-0.152679915983824	0.879012550937491	0.000274173711040873	0.935764168641293
MESO	ZMYND1	cg02813021	-0.194095137441807	87	-1.82415931500756	0.0716419824492108	0.0376729223785541	0.187527469133711
MESO	ZMYND1	cg02867818	-0.235493632688659	87	-2.23397250041367	0.0281099562066639	0.0554572510369012	0.0940795875555505
MESO	ZMYND1	cg03254875	-0.118665214884572	87	-1.10182436088009	0.273648193685378	0.0140814332236016	0.470020921565845
MESO	ZMYND1	cg05236965	0.0785719467641475	87	0.726644015692531	0.469440469875466	0.00617355081830803	0.658248953018962
MESO	ZMYND1	cg08828193	-0.336468345958487	87	-3.29415108940571	0.00144043363838331	0.11321094783204	0.00909325605399686
MESO	ZMYND1	cg12639781	-0.129526796886705	87	-1.20432337649111	0.231807431194779	0.0167771911117298	0.422378864996718
MESO	ZMYND1	cg13939078	-0.0908111345809821	87	-0.84071099872506	0.402868628868648	0.00824666216388525	0.599398743745245
MESO	ZMYND1	cg14255089	0.254620494899379	87	2.42749256447324	0.0173145363843471	0.0648315964228045	0.0651716200640556
MESO	ZMYND1	cg14694828	0.035657577095291	87	0.32895581132533	0.742998219964114	0.00127146280430662	0.855535050160422
MESO	ZMYND1	cg17632565	-0.153646349896387	87	-1.43357172401497	0.15536282269219	0.0236072008364829	0.323283994771204
MESO	ZMYND1	cg22593633	-0.111270628311562	87	-1.03227478384647	0.304871626202371	0.0123811527248499	0.503389224000579
MESO	ZMYND1	cg24757747	-0.251099941860324	87	-2.39165284531406	0.0189787504422378	0.0630511808022582	0.0698704704890182
OV	ACTL6A	cg03667091	-0.0108406644109816	586	-0.189645321952782	0.849712804055468	0.000117520004871523	0.919841335300378
OV	ACTL6A	cg03839554	-0.416197621761408	10	-1.21102679937245	0.265179603643882	0.173220460359852	0.460857897948578
OV	ACTL6A	cg07261848	-0.00814125819395616	10	-0.0215404584039106	0.983415681029355	6.62800849806584e-05	0.991380470007356
OV	ACTL6A	cg10112003	-0.407244933614122	10	-1.17972892003479	0.276642923899215	0.165848435954371	0.473293249839721
OV	ACTL6A	cg20132173	-0.383263674078666	10	-1.09785359391251	0.30859065872313	0.146891043868278	0.507172470205501

OV	ACTL6A	cg22619386	-0.303594195570218	10	-0.843024281800535	0.427078415321225	0.0921694355839277	0.621486009387621
OV	ACTL6A	cg25198545	-0.053436949428394	586	-0.936102323683829	0.349958681415238	0.00285550756421274	0.54900108066244
OV	ACTL6A	cg25575835	-0.554328773292284	10	-1.76212900775048	0.1214242638952	0.307280388899728	0.272912935258879
OV	ACTL6B	cg05729836	0.268362406618728	10	0.737056891058608	0.485053020573707	0.0720183812861958	0.671666334683356
OV	ACTL6B	cg08572611	-0.0393962123399178	586	-0.689687683680534	0.490913301662741	0.00155206154673189	0.676637717077147
OV	ACTL6B	cg09375063	-0.182672943378989	10	-0.491578610773351	0.638055321679522	0.0333694042427433	0.787112069074327
OV	ACTL6B	cg14088161	0.115201619761695	585	2.02539460981495	0.0436974603527379	0.0132714131957182	0.130680822307342
OV	ACTL6B	cg16024950	-0.242506713079326	10	-0.661354052645067	0.529544569043871	0.0588095058885386	0.707702975505908
OV	ACTL6B	cg20497359	-0.19329799681444	10	-0.521249138146862	0.618272459615692	0.0373641155724754	0.77338984295707
OV	ACTL6B	cg24471254	-0.746430463207581	10	-2.96766030523537	0.0208769078768638	0.557158436404284	0.0752569082052906
OV	ACTL6B	cg26990587	-0.248205616848949	10	-0.677903725576791	0.519604076410587	0.0616060282353671	0.700134496999175
OV	AEBP2	cg02664216	0.693785580446867	10	2.54877943775185	0.0381715572537942	0.481338431635995	0.118279221102591
OV	AEBP2	cg07849438	-0.570346399945688	10	-1.83709140570123	0.108808116639575	0.325295015931006	0.252954222968075
OV	AEBP2	cg08161947	-0.696852774694419	10	-2.57063948146321	0.0369733944122798	0.485603789599311	0.115519026664079
OV	AEBP2	cg24304000	-0.615347252151778	10	-2.0653892741522	0.0777441297971168	0.378652240730743	0.198843111782141
OV	AEBP2	cg26259627	0.395601574971386	10	1.13963202395435	0.291930023027937	0.156500606119842	0.489665483784239
OV	AFF4	cg00931577	-0.00918055006214875	10	-0.0242904760158093	0.981298850514976	8.42824994436194e-05	0.990365922983621
OV	AFF4	cg01907658	-0.51432730378035	10	-1.58674405281454	0.15659181345066	0.264532575413965	0.325102173296167
OV	AFF4	cg05619425	0.547306882934882	10	1.73017389668646	0.127217808410167	0.299544824107897	0.281983707651952
OV	AFF4	cg06638012	-0.0646293731090225	571	-1.1254917835835	0.26127434304016	0.00417695586846523	0.456628593765745
OV	AFF4	cg07236381	-0.354391799795084	576	-6.53138391153964	2.82201908122792e-10	0.125593547761999	1.0326253640877e-08
OV	AFF4	cg13393914	-0.175476353843921	10	-0.471584058434773	0.651568729926345	0.0307919507583569	0.796369743057866
OV	AFF4	cg13565585	-0.610645809067036	10	-2.04016808998252	0.0806928569923148	0.372888304131135	0.204243374552144
OV	AICDA	cg07999668	-0.877540377806991	10	-4.8420027098613	0.00187344193016458	0.770077114681636	0.0112673012381309
OV	AIRE	cg08089567	0.0544302278487452	10	0.144222645752102	0.889389045084382	0.00296264970366631	0.941387150132583
OV	AIRE	cg09510531	0.173822531735271	10	0.467000340320689	0.654686797178741	0.0302142725388592	0.798580210052448
OV	AIRE	cg11923631	0.206538283808068	10	0.558490823928565	0.593915215488159	0.0426580626783822	0.755715009347806
OV	AIRE	cg12843033	-0.161011088371998	10	-0.431626908221115	0.67899473726309	0.0259245705787353	0.81474760289124
OV	AIRE	cg15955655	-0.038859069934976	10	-0.102889147286602	0.920936500404917	0.00151002731621135	0.958541838758664
OV	AIRE	cg16501323	0.0604470886970399	10	0.160220943731267	0.877232537288237	0.00365385053194781	0.934951749545718
OV	AIRE	cg16717549	0.0951396455604995	10	0.252862844023944	0.807639110304869	0.00905155215737747	0.895874502994859
OV	AIRE	cg17356252	-0.0597583305701201	586	-1.04721535834969	0.295826720886537	0.00357105807252775	0.493778701153201
OV	AIRE	cg18689454	-0.0280937640539765	10	-0.0743584629354199	0.942805482981823	0.000789259578720501	0.969564024258568
OV	AIRE	cg18876487	-0.0392874986463009	586	-0.687781547012291	0.492111359230775	0.0015435075498831	0.677640695282749
OV	AIRE	cg23272544	-0.0251517141189919	10	-0.0665662391285919	0.948788352737833	0.000632608723123497	0.972797547419234
OV	AIRE	cg27251412	0.209184422217608	10	0.565971392905285	0.58908809870971	0.0437581224985146	0.752445814195517
OV	ARID1A	cg04081153	-0.518044229672836	10	-1.60239675122644	0.153102083695416	0.268369823897322	0.320219562829808
OV	ARID1A	cg04360147	-0.174197763536834	10	-0.468039970369667	0.653978939195374	0.0303448608212348	0.798051742643382
OV	ARID1A	cg14851949	-0.213653980910851	10	-0.57863636067143	0.580966439777091	0.0456480235590545	0.746629164522145
OV	ARID1A	cg17385674	-0.0563929552357969	586	-0.988046153719978	0.323910657392299	0.0031801654002266	0.523296693480707
OV	ARID1A	cg20413923	0.325005821641493	10	0.909245695087178	0.393448908547195	0.105628784100862	0.590226472126201
OV	ARID1A	cg21294655	0.674724741824805	10	2.41868005012463	0.0461815829584444	0.45525347723055	0.136157434422391
OV	ARID1A	cg24542126	-0.847423067834743	10	-4.22300583576799	0.00392196489569104	0.718125855898448	0.0204480488637081
OV	ARID1A	cg25601319	-0.774149572373788	10	-3.23570056084828	0.0143381210038735	0.599307560406519	0.0563741931353147
OV	ARID2	cg00035453	-0.670376105071361	10	-2.39029260627316	0.0481480966824761	0.449404122250649	0.140338442612085
OV	ARID2	cg01183821	-0.442328569676889	10	-1.30488641561822	0.233188354700683	0.195654563552403	0.423954307497859
OV	ARID2	cg01353809	-0.828788667026544	10	-3.91872519106794	0.0057584656716624	0.686890654591636	0.0277520801921264
OV	ARID2	cg01751433	0.807794636281999	10	3.62570684849249	0.00844587991518448	0.652532174405967	0.0374637234645833
OV	ARID2	cg06613666	0.816326578614418	10	3.73932170010054	0.00726922977191082	0.666389082952322	0.0333687440711508
OV	ARID2	cg07276957	-0.546550321874543	10	-1.72676245642783	0.127851629076475	0.298717254341166	0.282784306618199
OV	ARID2	cg23465749	-0.737459915571155	10	-2.88889815886404	0.0233529525518869	0.543847127074214	0.0818526510845457
OV	ARID4A	cg02136725	-0.364703253617088	10	-1.03628981252314	0.33453350548061	0.13300846319889	0.534146782261782
OV	ARID4A	cg06154646	-0.0664454711591303	10	-0.176187556757614	0.865135426732655	0.0044150063755882	0.928400655489381
OV	ARID4A	cg08066755	-0.445646060701128	10	-1.31708721588414	0.229284804889138	0.198600411418433	0.419337934984772
OV	ARID4A	cg08790491	-0.301588851824472	585	-5.53329093386651	6.75626032778656e-08	0.0909558355448032	1.52745282167924e-06
OV	ARID4A	cg10064886	-0.223349424520289	10	-0.606241639772346	0.563489087531648	0.0498849654335441	0.733375772931541
OV	ARID4A	cg10242170	0.0859427607679838	10	0.228227596691157	0.825992914325595	0.00738615812842289	0.906415175084639

OV	ARID4A	cg10844118	-0.650660204646759	10	-2.26699412242991	0.0577328211040677	0.423358701910962	0.160042300715171
OV	ARID4A	cg12203852	0.297746446494417	586	5.45588745888878	1.00703356215632e-07	0.0886529464000525	2.18646857198963e-06
OV	ARID4A	cg14272338	-0.185848948805794	10	-0.500428400025803	0.632120507192449	0.0345398317722187	0.7831066034763
OV	ARID4A	cg14460816	-0.190662599839139	10	-0.51387249136575	0.623160143788294	0.0363522269774197	0.776728478832505
OV	ARID4A	cg17323045	0.507744324746137	10	1.55931867676892	0.16288444661219	0.25780429931191	0.333607999361522
OV	ARID4A	cg19548283	-0.718055826179634	10	-2.72965042451431	0.0293535028553118	0.515604169510516	0.097130004301409
OV	ARID4A	cg20996579	-0.528159902127794	10	-1.64563162149666	0.143835649637856	0.278952882215641	0.306941449127071
OV	ARID4A	cg26429530	-0.630920789665625	10	-2.15153112148195	0.0684586766845626	0.398061042832296	0.181392176226119
OV	ARID4A	cg27026909	-0.725126447662638	10	-2.78603020982202	0.0270624152507961	0.525808365099837	0.0914112948643319
OV	ARID4B	cg05652840	-0.0612258921096607	10	-0.162292956413599	0.87566061148451	0.00374860986462381	0.934262228017294
OV	ARID4B	cg06212607	0.110385542294841	586	1.94283130835614	0.0529535510706262	0.0121849679477262	0.150436298470672
OV	ARID4B	cg06891548	-0.818744388774247	10	-3.77281746042098	0.00695725918962647	0.670342374149315	0.0322581317457292
OV	ARID4B	cg07814876	-0.717411075812295	10	-2.72459778712005	0.0295685134379604	0.514678651698155	0.0976213667176684
OV	ARID4B	cg10107779	0.64412474084291	10	2.22793604679792	0.0611568380346895	0.414896681765946	0.166905281812687
OV	ARID4B	cg11732257	-0.506577869585273	10	-1.55449786300725	0.164014398106474	0.256621137953554	0.335313152693552
OV	ARID4B	cg22596515	0.295409173324016	10	0.818089881069971	0.440261138432457	0.0872665796839785	0.632876587160763
OV	ARID4B	cg23687319	-0.288453930755799	586	-5.26988593791185	2.5816659676678e-07	0.0832056701684712	5.09741427128804e-06
OV	ARID4B	cg26020585	0.416159037302349	10	1.21089101049358	0.265228461893781	0.173188344328418	0.460911918968967
OV	ASH1L	cg03119126	0.0871648716272411	10	0.231497676838792	0.823549618295481	0.00759771484579341	0.905043618289692
OV	ASH1L	cg08095278	0.0657817370005643	10	0.174419904174893	0.866472847510734	0.00432723692281141	0.929023041253047
OV	ASH1L	cg09410084	0.599179531395673	10	1.98007860898772	0.0881715816513989	0.359016110843538	0.217739191892227
OV	ASH1L	cg10558228	-0.317632129135173	10	-0.886272089479721	0.404888090818836	0.100890169458943	0.601345274578753
OV	ASH1L	cg17038116	-0.157514617130065	586	-2.79021163805994	0.0055979703514365	0.024810854609631	0.0271535419328876
OV	ASH1L	cg20064047	-0.371863796117841	10	-1.05986489614555	0.32440095116303	0.138282682863171	0.52379509329134
OV	ASH1L	cg21852905	-0.464087639100511	10	-1.38617670798582	0.208240510876422	0.215377336765886	0.393410614967225
OV	ASH1L	cg23821590	-0.690524549237833	10	-2.5258310635378	0.0394726813884796	0.476824153100112	0.121310701060142
OV	ASH1L	cg24312492	-0.647796053267138	10	-2.24977185521972	0.0592180429298881	0.41963972662848	0.163107507140905
OV	ASH1L	cg26185843	-0.517325960686557	10	-1.59936238696283	0.153772891493104	0.267626149600269	0.321100746767267
OV	ASH2L	cg00590869	0.0328455781965215	10	0.086948145453719	0.933147664440773	0.00107883200706381	0.964464173453599
OV	ASH2L	cg01642070	-0.356156089922881	10	-1.00842652231779	0.34682936622232	0.126847160389155	0.546123746906167
OV	ASH2L	cg02897270	-0.499677761935816	10	-1.52621304965127	0.170790619013446	0.249677865773186	0.34469167787921
OV	ASH2L	cg03189282	-0.804087850104876	10	-3.57843385367682	0.0089949603453099	0.646557270686282	0.0393296956555215
OV	ASH2L	cg03705346	-0.331352221675048	10	-0.929166878168843	0.383725234701815	0.10979429480899	0.581923679449355
OV	ASH2L	cg10062221	0.0551896107389113	10	0.146240871855175	0.887853635460808	0.00304589313351256	0.940350989554471
OV	ASH2L	cg21453287	0.468495729036047	10	1.4030234596933	0.203375419214705	0.219488248125018	0.387195659953587
OV	ASH2L	cg24318412	-0.0877300641265761	586	-1.54058942525047	0.124450182245928	0.00769656415165315	0.2775334674246
OV	ASH2L	cg27255459	0.425154493199681	10	1.24276567468988	0.253966530399045	0.180756343087877	0.448026492490891
OV	ASXL1	cg00174466	0.198197741092163	10	0.534995137076941	0.609219697325991	0.0392823445740362	0.766812884408927
OV	ASXL1	cg04218270	-0.542883438151559	10	-1.71031291768913	0.13095014549977	0.294722427419258	0.287609701270726
OV	ASXL1	cg09065199	-0.104080604854779	586	-1.83060928601992	0.0681313170615282	0.0108327723069366	0.180787838801009
OV	ASXL1	cg10421984	-0.619687553963996	10	-2.08898779245268	0.0750821547862408	0.38401266453788	0.194018971912998
OV	ASXL1	cg12592359	0.0380612286325324	10	0.100773565181544	0.922555845340119	0.00144865712501791	0.959303197695474
OV	ASXL1	cg16926526	0.106581795684052	10	0.283604353690656	0.784918263636983	0.0113596791712371	0.881152444653865
OV	ASXL1	cg18793288	0.309999927175161	10	0.862681347004453	0.416886228413258	0.0960999548486053	0.612407184190588
OV	ASXL1	cg24727216	-0.0707218478211557	10	-0.187582113079777	0.856525779303984	0.0050015797592387	0.923665853835985
OV	ASXL2	cg05165989	0.193667781253987	10	0.522285122002057	0.617587676286917	0.037507209495842	0.772863799211948
OV	ASXL2	cg05496738	-0.0863734926294445	10	-0.229380014241095	0.825131628385428	0.00746038022900869	0.906029113780554
OV	ASXL2	cg06583696	0.433158051866109	10	1.27150296379844	0.24416478711304	0.187625897896443	0.43689749398914
OV	ASXL2	cg09476286	0.607685273457587	10	2.02446330694778	0.0825847008510778	0.369281391577222	0.207622744973036
OV	ASXL2	cg19084174	-0.362005617089756	10	-1.02746361758605	0.33839076940346	0.131048066804535	0.537799986005286
OV	ASXL2	cg20667782	-0.348074009454732	10	-0.982346269633163	0.358655103759434	0.121155516057893	0.557608094886349
OV	ASXL2	cg24738909	0.439429698023628	10	1.29427973777272	0.23662862019202	0.193098459505137	0.428000159944618
OV	ASXL3	cg09963640	-0.203084490855101	10	-0.548746262017652	0.600236399913374	0.0412433104258758	0.760365252069841
OV	ASXL3	cg12361352	0.168043906921385	10	0.451016055674484	0.665617695915607	0.028238754653403	0.805855687189659
OV	ASXL3	cg17880622	-0.178686590751059	10	-0.480493320382696	0.645529595092395	0.0319288977142363	0.792214020177017
OV	ASXL3	cg20034091	0.274800007146867	10	0.756163718259141	0.474224624046894	0.0755150439279182	0.662152569381747
OV	ASXL3	cg20329085	-0.0291425467389469	10	-0.0771366938354177	0.940673292847044	0.000849288030431703	0.968318554824381

OV	ASXL3	cg24880056	-0.486653898545298	10	-1.4738699207362	0.184009784202187	0.236832016969337	0.362355579096948
OV	ASXL3	cg27109877	0.601505142104393	10	1.99210779476184	0.0866216225218562	0.361808435978026	0.214993242228882
OV	ATAD2B	cg08192560	-0.445119120929909	10	-1.31514478504401	0.22990243984123	0.198131031817415	0.42001386513101
OV	ATAD2B	cg14009731	-0.30612494692449	10	-0.850775047224965	0.423038521563739	0.0937124831295217	0.61807883574428
OV	ATAD2B	cg15717719	0.542730753372589	10	1.70963100604448	0.131080118642237	0.294556670656378	0.287740815193831
OV	ATAD2B	cg16929802	0.0749693391468428	10	0.198909992011039	0.847987227682622	0.00562040181211433	0.918845987149665
OV	ATAD2B	cg17933838	0.73453688490907	10	2.86397198812949	0.0241997069566661	0.53954443529192	0.0841081179013932
OV	ATAD2B	cg19614157	0.34600539002087	10	0.975711447166705	0.361712687593865	0.119719729923495	0.560618320664728
OV	ATAD2B	cg20806130	-0.547133120059351	10	-1.72938984071802	0.127363215425219	0.29935465106588	0.282169333621618
OV	ATAD2B	cg27610867	-0.816380122057788	10	-3.74005702673792	0.00726222014706794	0.666476503691089	0.0333422013589501
OV	ATAT1	cg01245721	0.244531087146969	10	0.667224407948685	0.52600502983072	0.0597954525812785	0.704769779288361
OV	ATAT1	cg05093836	0.382898016885836	10	1.09662612804485	0.309091608017185	0.146610891335106	0.507716903591404
OV	ATAT1	cg06814856	0.13166985501142	10	0.351425332552415	0.735609525867358	0.0173369507187284	0.850960366294722
OV	ATAT1	cg07142893	-0.261680810672023	10	-0.717338383188604	0.496398901930265	0.0684768466739674	0.681121352066514
OV	ATAT1	cg07816366	-0.0314963693753301	10	-0.0833729246875138	0.935889142793165	0.000992021283827232	0.965809189940193
OV	ATAT1	cg08081524	-0.222976011658049	10	-0.605175002242884	0.564158594500172	0.0497183017749304	0.73389106886971
OV	ATAT1	cg08188471	-0.248896722859003	10	-0.67991575852651	0.518403640080324	0.0619495786499514	0.699240446925162
OV	ATAT1	cg08635134	-0.370727176357839	10	-1.05610827039572	0.325998997230789	0.137438639290256	0.52547015292402
OV	ATAT1	cg09532691	-0.391282568746245	10	-1.12492606527212	0.297708535274859	0.15310204860466	0.495845204101489
OV	ATAT1	cg12907138	-0.264083469685881	10	-0.724416080549463	0.49230656678264	0.0697400789613337	0.677837508296998
OV	ATAT1	cg13542073	0.0791922394703221	10	0.210183080204651	0.839511651095817	0.00627141079232484	0.914102530377459
OV	ATAT1	cg13964084	-0.142783848308647	586	-2.52355385027591	0.012123696574015	0.0203872273378266	0.0495571472347291
OV	ATAT1	cg15381130	0.274486407166237	10	0.755230432631678	0.474749742061205	0.0753427877190291	0.662607914505028
OV	ATAT1	cg15729859	-0.168863275866676	10	-0.453279561532808	0.664064399128125	0.0285148059364251	0.804883827340489
OV	ATAT1	cg18298197	0.306882309662322	10	0.853098430111819	0.421832872177633	0.0941767519836811	0.616912931123562
OV	ATAT1	cg20629923	0.587907039519622	10	1.92285947003709	0.0959252400437488	0.345634687116727	0.231163128801295
OV	ATAT1	cg22759096	-0.577015188217746	10	-1.86920072217497	0.1037996046649	0.332946527433961	0.244629841718962
OV	ATAT1	cg23328390	0.02512559268147	10	0.0664970627371492	0.948841482861251	0.000631295407595141	0.972828479653303
OV	ATAT1	cg26934609	-0.0819841758708971	10	-0.217642405392636	0.833915870730234	0.00672140509323018	0.910890918949562
OV	ATF7IP	cg00236831	0.333335469676399	10	0.935421091186682	0.380709939632744	0.1111112535344386	0.579078092556255
OV	ATF7IP	cg11409060	-0.372978041782812	10	-1.06355294302095	0.322838161762268	0.139112619652141	0.522225566749853
OV	ATF7IP	cg11697652	-0.14722423995676	576	-2.56516889277317	0.0108036524601363	0.0216749768308456	0.0452858095524459
OV	ATF7IP	cg12526346	-0.516176389791153	10	-1.59451556199879	0.154850047835475	0.266438065377829	0.322579386817506
OV	ATF7IP	cg12948116	-0.583779119446981	10	-1.90234087184497	0.0988650925935796	0.340798060302293	0.236278793684524
OV	ATF7IP	cg17439009	0.511468255118416	10	1.57478690213978	0.159307164326542	0.261599775993877	0.328794791826461
OV	ATF7IP	cg19789919	-0.330737460092852	10	-0.927231030249482	0.384662173086253	0.109387267508671	0.582792651226593
OV	ATF7IP	cg21275967	0.477975428513831	10	1.43971162533213	0.193129643467862	0.22846051026298	0.374072457144125
OV	ATF7IP	cg26637901	0.344029856468251	586	6.40929635186673	5.52101166625862e-10	0.118356542141565	1.90974469348565e-08
OV	ATM	cg01756564	-0.400068859345969	10	-1.15493719265043	0.286014391816593	0.160055092218385	0.483296595776628
OV	ATM	cg01800843	-0.242186017154661	586	-4.36651697694392	1.72962807504369e-05	0.0586540669052377	0.000211062484571561
OV	ATM	cg01991180	-0.481448452110917	10	-1.45331439422391	0.189450130967174	0.231792612039998	0.36935701189064
OV	ATM	cg02105423	0.0804571712325555	10	0.213562020090587	0.836975608012799	0.00647335640274476	0.912746445690082
OV	ATM	cg03165700	-0.17550055029581	585	-3.11330592951114	0.00202552566454919	0.0308004431541322	0.0120184382234719
OV	ATM	cg03569616	-0.55990792960049	10	-1.78790477202553	0.116935535468028	0.313496889629507	0.266006288268313
OV	ATM	cg04709886	-0.695691383883808	10	-2.56233030714316	0.0374241690729607	0.483986501610168	0.116622969430456
OV	ATM	cg04826772	0.440459637748321	10	1.29804240556335	0.235403203679949	0.194004692485382	0.426616894820806
OV	ATM	cg05033322	-0.396006077563039	10	-1.14101389276932	0.291391806178272	0.156820813466864	0.488999162366686
OV	ATM	cg05637308	-0.479684715328804	10	-1.44639534215827	0.191313755454299	0.230097426120076	0.371806997222307
OV	ATM	cg06053805	-0.697007353624686	10	-2.57174837315692	0.0369136637391246	0.485819251006888	0.115383379818445
OV	ATM	cg06081482	-0.287915492882349	10	-0.795434828587392	0.452484610812952	0.082895331041686	0.642897883469085
OV	ATM	cg06750635	-0.4660727382366	10	-1.39374689750771	0.206041702313646	0.217223797327362	0.390470357851103
OV	ATM	cg09808176	-0.0135474446507767	10	-0.0358464591060029	0.972405593091226	0.000183533256565859	0.985493516078903
OV	ATM	cg10610482	-0.244239701087133	10	-0.666378866457196	0.526513935147748	0.059653031587132	0.705168606576505
OV	ATM	cg10976287	-0.544433123079928	10	-1.71724767058567	0.129635293280639	0.296407425506564	0.285560413520584
OV	ATM	cg11588932	-0.259106256219032	10	-0.709770205339979	0.500799369705987	0.0671360520118427	0.684623522421318
OV	ATM	cg12019961	-0.154964453745362	10	-0.415010716869233	0.690558432201049	0.0240139819245984	0.822193967469674
OV	ATM	cg12106634	-0.435004103364864	10	-1.27818334804879	0.241933304021073	0.189228569944269	0.43424540107369

OV	ATM	cg12848864	-0.364954691554495	10	-1.03711400085657	0.334175092948973	0.133191926887637	0.53373882975491
OV	ATM	cg14761454	-0.378156833038114	10	-1.08076486502533	0.315624169929036	0.143002590373416	0.514838267958136
OV	ATM	cg15370815	0.453851878695166	10	1.34755920344799	0.219783476324063	0.205981527795132	0.407858489949051
OV	ATM	cg15504467	-0.515019545190124	10	-1.58964992880257	0.155938426618276	0.265245131927842	0.324152254177591
OV	ATM	cg16693212	-0.333380629770006	10	-0.93556366662449	0.380641409195785	0.111142644305845	0.579007817194808
OV	ATM	cg16788234	0.890509026866632	10	5.17855759333343	0.00128292534714886	0.793006326930955	0.00825781023135021
OV	ATM	cg17114932	0.0126276447755097	10	0.0334122717438669	0.974278591403896	0.000159457412576458	0.986580088770107
OV	ATM	cg17420659	-0.320212061430583	10	-0.89428949879439	0.400868537392919	0.102535764285624	0.597416992297792
OV	ATM	cg18042593	-0.268767025133811	10	-0.738254629486882	0.484369428250574	0.0722357137992783	0.671090051493796
OV	ATM	cg18391757	-0.239717511122188	10	-0.653280835849494	0.534436508145333	0.0574644851386162	0.711174213141978
OV	ATM	cg18457775	-0.277987876235756	586	-5.06233588196087	7.16367025890827e-07	0.0772772593340659	1.2697438234712e-05
OV	ATM	cg19288979	0.413067069696642	10	1.20003515159854	0.269159130050061	0.17062440406777	0.46512429168587
OV	ATM	cg20342375	0.472012917599902	10	1.41656153511927	0.199539448736515	0.222796194381172	0.38233920874405
OV	ATM	cg22477592	-0.0546509553930916	586	-0.957432139086365	0.339105000992225	0.00298672692537769	0.538429114137957
OV	ATM	cg22678707	-0.149142990430855	10	-0.399058476433348	0.70174410275812	0.022243631594658	0.829168936324412
OV	ATM	cg22837512	-0.557394688302564	10	-1.77625040692039	0.118945052157507	0.310688838547912	0.269119351132982
OV	ATM	cg23275463	-0.459065209613663	10	-1.36714189701159	0.213861430784457	0.210740866677637	0.400434543018394
OV	ATM	cg23389069	-0.557167868924777	10	-1.77520210407948	0.11912741973693	0.310436034162178	0.269369796855445
OV	ATM	cg24030675	-0.521295633769718	10	-1.6161907010676	0.150086830368471	0.271749137787372	0.315729837640977
OV	ATM	cg24568245	-0.453553542026511	10	-1.3464438854747	0.220125060976942	0.205710815484794	0.408297584550684
OV	ATM	cg25400013	-0.0526205012925393	10	-0.139413906857268	0.89304943799686	0.00276891715627813	0.943282798451209
OV	ATM	cg25740661	0.686157241345202	10	2.49555748782629	0.0412595778508813	0.470811759850458	0.125190046387592
OV	ATM	cg25918541	-0.157955075110393	10	-0.423222860125408	0.684832033391426	0.02494980575313	0.818633095248123
OV	ATM	cg27453365	-0.654861807396189	10	-2.29256314090129	0.0555970983543609	0.428843986786203	0.155736703681742
OV	ATM	cg27599391	-0.560680234117845	10	-1.7915004814799	0.116322139896501	0.314362324930442	0.264959580449986
OV	ATR	cg00911981	-0.231037186319455	10	-0.628264689667292	0.549771272754152	0.0533781814624107	0.722643052051847
OV	ATR	cg00969988	-0.476223450864367	10	-1.43288297532429	0.195000888767894	0.226788775153166	0.376576342965159
OV	ATR	cg11458642	0.356694220106492	586	6.67893275946526	1.13462541720026e-10	0.127230766657379	4.4919618170828e-09
OV	ATR	cg11936145	0.0117630856232899	10	0.0311243526256691	0.976039201776033	0.000138370183380848	0.987386097877119
OV	ATR	cg15135999	-0.196086574288873	10	-0.529067313049739	0.613114749037699	0.0384499446163455	0.76969805039115
OV	ATR	cg15291273	0.0767902353175273	10	0.203769542091278	0.844330896452002	0.00589674024012122	0.916839847942843
OV	ATR	cg15480357	0.228031198274045	10	0.619638957679536	0.555120013929487	0.0519982273862968	0.72665464571966
OV	ATR	cg16031872	0.167089141061271	10	0.448379729129855	0.667429056169099	0.0279187810605933	0.807165496735092
OV	ATR	cg17945282	-0.0833842677230851	10	-0.221385016068047	0.831112128177312	0.00695293610371513	0.909501285704199
OV	ATR	cg20032934	-0.359825488937623	10	-1.02035234341353	0.341523949916315	0.1294743824892	0.540735827732116
OV	ATR	cg20636078	-0.0806349067706188	586	-1.41514291122976	0.158043546056873	0.00650198818990638	0.327068516945236
OV	ATR	cg24631870	-0.389916848187704	10	-1.12029422145769	0.299547840632296	0.152035148500633	0.49783362409725
OV	ATR	cg24856922	0.432557915260745	10	1.26933547564241	0.244892596467611	0.187106350054722	0.437811409485823
OV	AURKB	cg02245743	0.632516137073034	10	2.16059194189797	0.067548870911807	0.400076663657793	0.179639473267106
OV	AURKB	cg04612488	-0.659858773881686	10	-2.32345791276045	0.0531232208188177	0.435413601468641	0.150799775237333
OV	AURKB	cg05617798	0.372047130946596	10	1.06047135077816	0.324143555505773	0.138419067645594	0.523525826871955
OV	AURKB	cg05811247	-0.497121500323772	10	-1.51583352862222	0.173340965308061	0.247129786084158	0.348274740312332
OV	AURKB	cg11009596	0.0531349218695804	586	0.930796416856793	0.352692626699433	0.00282331992208641	0.551683847084736
OV	AURKB	cg12844497	0.0161837214113628	586	0.283136584069098	0.777263585255497	0.000261912838720602	0.876820860361163
OV	AURKB	cg13678641	-0.61669160723368	10	-2.07266589780449	0.0769134495509678	0.38030853843246	0.19744604324076
OV	AURKB	cg21724796	-0.331505614739687	10	-0.929650110948684	0.383491620222193	0.109895972603938	0.581773539461101
OV	BAP1	cg00794529	-0.489358118151736	10	-1.4846293191339	0.181218873906735	0.239471367801008	0.358500547284598
OV	BAP1	cg02503646	-0.0669981814340885	10	-0.177659710405521	0.864021944379613	0.00448875631547504	0.927817284023295
OV	BAP1	cg03075736	-0.0241197909762477	10	-0.0638335393370511	0.95088738059367	0.000581764316737879	0.974086158292958
OV	BAP1	cg05442719	-0.0590384886071039	10	-0.156474095280699	0.880076575925346	0.00348554313701113	0.936359876300584
OV	BAP1	cg05908979	0.691425195538787	10	2.5321392908747	0.0391105117939962	0.478068801025849	0.120473694496224
OV	BAP1	cg09096430	-0.58151690193423	10	-1.89119139100779	0.100499204903345	0.338161907235185	0.239045898191488
OV	BAP1	cg10449522	0.0620784788193666	10	0.164561611438598	0.873940193963298	0.00385373753252655	0.933249378291058
OV	BAP1	cg10956904	-0.122908871886039	10	-0.327670721137903	0.752742802651859	0.0151065907882988	0.861616055404313
OV	BAP1	cg11234564	0.121415832628541	10	0.323630403270878	0.755672183749864	0.0147418044128818	0.863723691085142
OV	BAP1	cg12859382	0.182786998444243	10	0.491896142288557	0.637841883250907	0.0334110868002555	0.786985435999991
OV	BAP1	cg16841708	0.104447474507746	10	0.27786183451264	0.789146252267372	0.0109092749310463	0.883982733334658

OV	BAP1	cg24291822	-0.16223208227716	10	-0.434988194229696	0.676666617195413	0.0263192485199831	0.813195786045757
OV	BAP1	cg24747396	0.0585229017989034	586	1.02549029789369	0.305941872521615	0.0034249300349641	0.504481793016798
OV	BAP1	cg25749966	-0.186932117345295	10	-0.503450296880569	0.630100582374555	0.0349436164951951	0.781741086787378
OV	BAZ1A	cg00169548	-0.0130848715504064	576	-0.225519899922755	0.821729948600981	0.000171213863490634	0.904309798011949
OV	BAZ1A	cg05294307	0.00606690148653555	10	0.0160518079766244	0.98764098887147	3.68072936473273e-05	0.993400089061288
OV	BAZ1A	cg07414384	-0.118633045404989	586	-2.08998990547251	0.0374439957127838	0.0140737994620623	0.116656716158602
OV	BAZ1A	cg23422263	-0.471165614579669	10	-1.41329226705178	0.200459822966456	0.221997036362237	0.383457418718223
OV	BAZ1A	cg26967526	0.422392276847852	10	1.23293107938754	0.257397153158176	0.178415235540712	0.451865192327191
OV	BAZ1B	cg00525989	0.299915613839454	10	0.831793112652272	0.432981137729601	0.0899493754246964	0.626678349895562
OV	BAZ1B	cg04742505	0.416720180016675	10	1.21286659943583	0.264518372393698	0.17365570843313	0.460115773805613
OV	BAZ1B	cg05166819	0.146991102525885	10	0.393172616171821	0.705891551414335	0.0216063842217754	0.832259212371962
OV	BAZ1B	cg06059318	0.138407749270188	10	0.369751217417895	0.722500552642956	0.0191567050580392	0.842783871817976
OV	BAZ1B	cg06394887	-0.221612815915035	10	-0.601283468443334	0.566605210360307	0.0491122401777912	0.735585430214938
OV	BAZ1B	cg14093368	0.0455739344971524	586	0.798047455616812	0.425461835285871	0.00207698350555074	0.620148248127892
OV	BAZ1B	cg15636799	-0.528688857735383	10	-1.64791866989911	0.143360382720225	0.279511908293544	0.306212833621735
OV	BAZ1B	cg19160975	0.761126704710685	10	3.10475173276773	0.0172072869576838	0.579313860623747	0.064870404397456
OV	BAZ1B	cg20612831	-0.469270908629756	10	-1.405998205976	0.202526482094378	0.220215185686197	0.386169885243511
OV	BAZ1B	cg21340129	0.213439401680318	10	0.57802746546472	0.581355432401778	0.0455563781896522	0.746821304242258
OV	BAZ1B	cg25710357	-0.00560183005079328	10	-0.0148212817526872	0.98858834395346	3.13804999179707e-05	0.993976674970026
OV	BAZ2A	cg14634319	0.0205356102103619	586	0.359302234696591	0.719616813165853	0.00042171128671192	0.840906842802456
OV	BAZ2A	cg18206859	0.192619554073208	10	0.519349020385181	0.619529491091971	0.0371022926113615	0.774314818212631
OV	BAZ2A	cg18955060	0.179860104199028	10	0.483754071489811	0.643326411914428	0.0323496570824852	0.790668355348137
OV	BAZ2A	cg25683012	-0.106118979186865	586	-1.86686535685423	0.0628765570653557	0.0112612377436623	0.170337751787933
OV	BRD7	cg03021120	-0.483969227778677	10	-1.46324322138058	0.186804425058882	0.234226213436689	0.365849238281825
OV	BRD7	cg16433860	-0.448635264481025	10	-1.328138628985	0.225798231105308	0.201273600535959	0.415187378051581
OV	BRD7	cg16834187	0.266787265510243	556	4.73031080859965	3.49559038105589e-06	0.0711754450384331	5.18467031656553e-05
OV	BRD8	cg01096096	-0.508818434350658	10	-1.56376805489601	0.161847929998158	0.258896199135055	0.332325015606322
OV	BRD8	cg03204906	-0.740919710455616	10	-2.91886232065229	0.0223762427910994	0.548962017341634	0.0792076036020993
OV	BRD8	cg03684156	-0.632564558038082	10	-2.16086766432117	0.0675213763057787	0.400137920085914	0.179599888820452
OV	BRD8	cg07430605	0.11558594210793	586	2.0355716578374	0.0426546516020389	0.0133601100129778	0.128341750792072
OV	BRD8	cg07632946	-0.35820721188796	10	-1.01508617518025	0.343858815632964	0.128312406648546	0.543211370597635
OV	BRD8	cg08976717	0.429310824930837	10	1.25764393381704	0.248850628276474	0.184307784402795	0.442281094243677
OV	BRD8	cg11110536	-0.243576015529255	10	-0.664453705625861	0.527673779664545	0.059329275341108	0.706221525474446
OV	BRD8	cg11346339	-0.523668469631507	10	-1.62631826760354	0.147908355315855	0.274228666086205	0.312800940422499
OV	BRD8	cg12964860	-0.516058689828022	10	-1.59401997920288	0.154960579906797	0.266316571347014	0.322697620542528
OV	BRD8	cg14473243	-0.690224076880592	10	-2.52373152527121	0.0395939879580862	0.476409276305665	0.121587443224701
OV	BRD8	cg22106577	0.488981174944582	10	1.48312619910553	0.181606451086384	0.239102589450183	0.35901332221524
OV	BRD8	cg22818036	0.122860071723506	10	0.327538627325421	0.752838506865455	0.015094597223905	0.861687757034622
OV	BRD8	cg23298160	-0.690735883790605	10	-2.52730925188591	0.0393875054505982	0.477116061155988	0.121119071973893
OV	BRD8	cg26008208	-0.721181493759735	10	-2.75435212954958	0.028325651994806	0.520102746941523	0.094614245224729
OV	BRD8	cg26630792	-0.446237265866908	10	-1.31926857864532	0.228592919793471	0.199127697448373	0.418525714342511
OV	BRD8	cg27119451	-0.189248024491962	586	-3.37141209747879	0.000843840952608741	0.0358148147741104	0.00582482369718229
OV	BRD9	cg02364331	-0.683412255021371	10	-2.47679173861182	0.0424089257758015	0.467052310313395	0.127785265001267
OV	BRD9	cg02822723	0.0139595831219987	586	0.24421676938492	0.807226605193612	0.00019486996093999	0.895602297775715
OV	BRD9	cg05193570	-0.255120784220145	10	-0.698086392141632	0.507642440463408	0.065086614541102	0.690339055578267
OV	BRD9	cg07308931	-0.72292351848323	10	-2.76827061005718	0.0277631700379367	0.522618413576173	0.0931795180953123
OV	BRD9	cg09497020	-0.574628375836971	10	-1.85764530262349	0.105575786466088	0.330197770317035	0.24760816196391
OV	BRD9	cg10551270	-0.739768487790646	10	-2.90880423493349	0.0226991959579413	0.54725207458396	0.0801207463862109
OV	BRD9	cg10600960	-0.89378180833134	10	-5.27249418047527	0.00115747244899591	0.79884592090404	0.00758588135612364
OV	BRD9	cg13722821	-0.762506661612981	10	-3.118182734578	0.0168866031293636	0.581416409004173	0.0638978745972914
OV	BRD9	cg17977043	-0.454893761812894	10	-1.35145871824974	0.218592841887395	0.206928334536286	0.40638202463012
OV	BRD9	cg20079193	-0.476508695391815	10	-1.43399325810497	0.194695535898294	0.227060536784009	0.376152200856104
OV	BRD9	cg21160852	0.695210709472966	10	2.55890273494344	0.0376117709123777	0.483317930565905	0.117038804254301
OV	BRD9	cg21758832	-0.772291917778547	10	-3.2164266997935	0.0147261936868819	0.596434806266066	0.0575480741285622
OV	BRD9	cg21910709	-0.159250794355035	10	-0.426784554161182	0.682355296292318	0.0253608155027095	0.816896383672278
OV	BRD9	cg24953233	-0.616983591686797	10	-2.07425018842049	0.0767337640422303	0.38066875241074	0.197082964730243
OV	BRD9	cg25523559	-0.615303555691897	10	-2.06515324536231	0.0777712229893923	0.378598465647091	0.198867124255885

OV	BRD9	cg25951128	-0.729576295283822	10	-2.82245803570965	0.0256825258695373	0.532281570640067	0.0879377824601579
OV	BRD9	cg26504197	0.663940836552208	10	2.34910046137796	0.0511551577708875	0.440817434441645	0.146712632122431
OV	BRDT	cg00308185	-0.340522688367326	10	-0.958204176727909	0.36987669391439	0.115955701292911	0.568536237702792
OV	BRDT	cg01515515	-0.577160618811205	10	-1.86990711420455	0.103691970313247	0.333114379906533	0.244435415246469
OV	BRDT	cg02935097	-0.877701950588658	10	-4.84588373001071	0.00186511117982297	0.770360714067134	0.0112308975471647
OV	BRDT	cg03421440	-0.974468350839509	10	-11.4829172759776	8.54049843390296e-06	0.949588566787872	0.000113903571947034
OV	BRDT	cg06442199	-0.634261204514734	10	-2.1705556112244	0.0665624067015962	0.402287275552481	0.17765653863999
OV	BRDT	cg09250199	-0.0916815972537813	10	-0.243592627307964	0.814531104164828	0.00840551527500455	0.900195091949235
OV	BRDT	cg13299824	-0.758678327046774	10	-3.08116764245038	0.0177861862818277	0.575592803930492	0.0665412414931472
OV	BRDT	cg14732540	-0.353286091024456	586	-6.6059661333414	1.74901609781986e-10	0.12481106211134	6.66648497372849e-09
OV	BRDT	cg19245011	-0.317740287529869	10	-0.88607761412034	0.404719209851173	0.100958890319564	0.601186271240995
OV	BRPF1	cg04879506	-0.259825134431136	10	-0.711881783177839	0.499569060724062	0.067509100482158	0.683698529457764
OV	BRPF1	cg13694772	0.673557014953398	10	2.41101247270129	0.0467044923273128	0.453679052392932	0.137282901689374
OV	BRPF1	cg14712964	-0.075793464832731	586	-1.32966888372981	0.184617730897903	0.00574464931135043	0.363111565683298
OV	BRPF1	cg17738494	0.108678815812562	586	1.91243032637582	0.0567544755024448	0.0118110850064208	0.158119029733094
OV	BRPF1	cg20952324	0.216902923163167	10	0.587866424309888	0.575088167784184	0.0470468780767268	0.74207817351053
OV	BRPF1	cg25467642	-0.328557517476963	10	-0.920377175286538	0.387993170171423	0.107950042290625	0.585815167306802
OV	BRPF1	cg26227975	-0.244802847087604	10	-0.668013171805578	0.525530575255443	0.059928433942197	0.704442280495559
OV	BRPF3	cg01499736	-0.115378916402085	10	-0.307316315374562	0.767543929397382	0.0133122943501192	0.871185848079126
OV	BRPF3	cg05882415	0.247606739531242	10	0.676161092399106	0.520645201297764	0.0613090974612925	0.700892171149357
OV	BRPF3	cg10562781	0.105164421394281	10	0.279790386033427	0.787725478211653	0.0110595555271938	0.883080181036348
OV	BRPF3	cg14654948	-0.76797419630622	10	-3.17241170952022	0.0156551703158941	0.589784366192184	0.060317779429822
OV	BRPF3	cg18779695	-0.251563180656628	10	-0.687689092089569	0.513782392535352	0.0632840338620794	0.695350366085474
OV	BRPF3	cg23517469	0.751527575325617	10	3.01402154187501	0.0195507170741266	0.564793696474801	0.0715584633310246
OV	BRWD3	cg03164831	-0.160933303119935	586	-2.85236278496199	0.0046350198848096	0.0258995280530927	0.0233302431791084
OV	BRWD3	cg05835545	-0.207127753123433	10	-0.560156124116897	0.592838698711549	0.0429019061139619	0.755071349057292
OV	BRWD3	cg09523186	-0.543961770275897	10	-1.71513575870844	0.130034387247937	0.295894407521688	0.286211444814039
OV	BRWD3	cg11957438	-0.51349711891008	10	-1.58326468075352	0.157377489347072	0.263679291128953	0.326068454269357
OV	BRWD3	cg15511898	-0.236688092335245	10	-0.644531757792162	0.539769446675739	0.0560212530532974	0.715049674239613
OV	BRWD3	cg22618269	-0.670091718770855	10	-2.3884519071825	0.048278532545541	0.449022911565278	0.140565895461949
OV	BRWD3	cg25063710	-0.16024779682652	586	-2.83524788285134	0.0048849307457297	0.0256793563877535	0.0243302721240425
OV	BRWD3	cg25708850	-0.189518704784503	10	-0.510674254634706	0.625285625210512	0.0359173394631954	0.778195909765575
OV	CARM1	cg12317676	-0.0394400897001155	586	-0.690457016386708	0.490430202075477	0.00155552067555316	0.67624742352192
OV	CARM1	cg17918830	-0.593585927330924	10	-1.95146382237821	0.0919690276840551	0.352344253125313	0.22429402089942
OV	CARM1	cg22378614	-0.480066757698527	10	-1.44789213614804	0.190909205144015	0.230464091847176	0.371252642360102
OV	CARM1	cg26504915	-0.670534871156138	10	-2.39132105650643	0.0480753756024576	0.449617013436378	0.140194765888878
OV	CBX1	cg01544580	0.4406218956953	10	1.29863575973777	0.235210464026181	0.194147654966119	0.426388296359771
OV	CBX1	cg01553295	0.335003559610565	10	0.940692257580723	0.378182469059436	0.11222738495175	0.576789989570251
OV	CBX1	cg02835499	-0.285770726636674	10	-0.788980317456072	0.456009832603732	0.0816649082024525	0.646238908319761
OV	CBX1	cg04864609	-0.398873007123217	10	-1.15083061686722	0.287591829963791	0.159099675811518	0.485091798100717
OV	CBX1	cg11729481	0.60611199093867	10	2.01617211411248	0.0836011125945383	0.367371745559638	0.209403855791729
OV	CBX1	cg12245530	-0.24861511305407	10	-0.67909576794702	0.518892657607289	0.0618094744388882	0.699669556728628
OV	CBX1	cg13342109	-0.303292797910033	10	-0.842102525609272	0.427560686572181	0.0919865212640959	0.621887558216252
OV	CBX1	cg17778721	0.0230286641299752	586	0.397641831706397	0.691178906418776	0.000530319371611205	0.822527501634558
OV	CBX1	cg21511817	-0.0998488787762122	10	-0.265502118562098	0.798271929402413	0.00996979859286672	0.889810526800466
OV	CBX4	cg04398978	-0.0781996926744021	586	-1.37213781525023	0.171025560373923	0.00611519193437094	0.34505841702705
OV	CBX4	cg04925705	-0.0910013146508357	10	-0.241770006348405	0.815888238515604	0.0082812392681804	0.900888659651445
OV	CBX4	cg05949524	-0.326170666861992	10	-0.912891695466367	0.391655692260761	0.106387303921196	0.588705688797868
OV	CBX4	cg07159673	0.417598327603343	10	1.21596162180646	0.263409149080895	0.174388363217109	0.458823030445572
OV	CBX4	cg10756274	-0.397512948858582	10	-1.14616863892548	0.289391315861807	0.158016544510246	0.486918784127039
OV	CBX4	cg21365914	-0.260840931643312	10	-0.714867673175966	0.497832696228218	0.0680379916205507	0.682168691513185
OV	CBX4	cg22353329	-0.159001818524011	10	-0.426099990373086	0.682831005006634	0.0252815782939425	0.817208012114798
OV	CBX4	cg27487227	-0.0755694665464681	10	-0.20051136951142	0.846781900880892	0.00571074427411776	0.918150601378847
OV	CBX5	cg03689456	0.157765838586958	10	0.422702871840633	0.685193972710879	0.0248900598250461	0.818839269291521
OV	CBX5	cg05754589	-0.115278202902969	586	-2.03007900599785	0.0432132845244114	0.0132890640645382	0.129606533128694
OV	CBX5	cg06399839	-0.0550059996190183	10	-0.145752861951933	0.888224852601466	0.00302565999408744	0.94062842612685
OV	CBX5	cg06621757	-0.21469098692985	10	-0.581580232825963	0.579087856998524	0.0460922198689131	0.745175101271081

OV	CBX5	cg08288469	0.178072037976727	10	0.478786556217997	0.64668432506975	0.0317096507091848	0.792841321678662
OV	CBX5	cg09060496	-0.135151127683414	10	-0.3608874167548	0.728828916508675	0.0182658273140983	0.846638246515192
OV	CBX5	cg09158487	-0.281559216239863	10	-0.776343532818294	0.462966262112292	0.0792755922496057	0.652274655802007
OV	CBX5	cg09653879	0.0554641071527111	10	0.146970468554232	0.887298705507559	0.00307626718224742	0.940108350079743
OV	CBX5	cg11005091	-0.163687466323585	586	-2.90250955792866	0.00397075570456334	0.0267935866314346	0.0206443206095569
OV	CBX5	cg11338003	-0.0355795800721354	10	-0.0941943601306966	0.927594294111905	0.00126590651810949	0.96181242507946
OV	CBX5	cg12263485	-0.13167782435259	586	-2.32365424520892	0.0207989498251535	0.0173390494262316	0.0750340151501572
OV	CBX5	cg12600134	0.254252000463053	10	0.695544545092584	0.509139114869636	0.0646440797394642	0.691636319420589
OV	CBX5	cg13445218	0.0684265940838946	10	0.181465077240228	0.861145247556875	0.00468219877792208	0.926236860210427
OV	CBX5	cg14017196	-0.0651770430081027	10	-0.172809689469404	0.86769155804597	0.00424804693528007	0.929717330541405
OV	CBX5	cg14394617	-0.403384087333053	10	-1.16635858955145	0.281664778456331	0.16271872191352	0.478784857197663
OV	CBX5	cg15708001	-0.311949029113743	10	-0.868688097673719	0.413807025842773	0.0973121967650067	0.609402816250121
OV	CBX5	cg20545544	-0.289689158924939	10	-0.800782394967683	0.449578291525897	0.0839198087986386	0.640778962045754
OV	CBX5	cg20927027	0.244985314909076	10	0.668542865611649	0.525212106319293	0.060017804521099	0.70420245339856
OV	CBX5	cg21826008	-0.0122019697471936	10	-0.0322857810294209	0.975145435316791	0.000148888065711429	0.986918142695769
OV	CBX5	cg24505978	-0.206341438669856	10	-0.55793486151524	0.594274855992243	0.0425767893123461	0.755952288361903
OV	CBX5	cg25817259	0.507925912401807	10	1.56007019346818	0.162708946413787	0.257988732489208	0.333371428726438
OV	CBX6	cg03028106	-0.335966710310787	10	-0.943740347111448	0.376726729498879	0.112873630437052	0.575235125905546
OV	CBX6	cg04134624	-0.131147094458412	586	-2.31412447448148	0.0213230065019391	0.0171995603848837	0.0764666983756244
OV	CBX6	cg04215348	0.199740001677415	10	0.539330455388813	0.606379615077008	0.0398960682700938	0.764784873385657
OV	CBX6	cg04801716	0.0124936874149515	10	0.0330577699892668	0.974551379472535	0.000156092225222517	0.986676514415867
OV	CBX6	cg06060673	-0.241898451893499	10	-0.65959199209042	0.53060989877741	0.0585148610284714	0.708450741333648
OV	CBX6	cg09913544	0.49872822136224	10	1.5223513413021	0.171735438936687	0.248729838783144	0.345988158093973
OV	CBX6	cg14498989	-0.432609383576471	10	-1.26952128014001	0.244830133207359	0.187150878758415	0.43780750473056
OV	CBX6	cg24649346	-0.140923800878023	586	-2.4900088909115	0.0133045116493297	0.0198595176539087	0.0532632348316154
OV	CBX6	cg25836955	-0.520438559142317	10	-1.61254528650136	0.150878268373738	0.270856293842131	0.316944995270882
OV	CBX7	cg00545295	-0.329767236965798	10	-0.924178549846041	0.386143035627674	0.108746430576056	0.584166838061165
OV	CBX7	cg01525244	0.223940991224354	10	0.607931999509284	0.562429045282815	0.050149567550546	0.732572165367366
OV	CBX7	cg02523424	-0.394931452536027	10	-1.13734446945178	0.292822788140576	0.155970852202216	0.490511745668869
OV	CBX7	cg03804568	-0.175767274335137	586	-3.12329582234125	0.00195951542638712	0.0308941347272034	0.0116957830283164
OV	CBX7	cg10339854	-0.236415401437879	10	-0.643745197867784	0.540250485898443	0.0558922420370336	0.71554491793761
OV	CBX7	cg22268271	-0.439838884295944	10	-1.29577385440162	0.236141360500631	0.193458244138701	0.427416961349141
OV	CBX7	cg26672614	-0.0981322065219724	10	-0.260892641899819	0.801684058776923	0.00962992995687104	0.891761176911633
OV	CBX7	cg27062573	-0.536474521065013	10	-1.68189404791553	0.136471472193603	0.287804911751935	0.295958481373736
OV	CDYL2	cg01442398	-0.426448747356979	10	-1.24738828435365	0.252367516369319	0.181858534122336	0.446255759593904
OV	CDYL2	cg02461391	-0.306325864781966	10	-0.851391234583515	0.42271852896525	0.0938355354344194	0.617799487120055
OV	CDYL2	cg06919916	-0.43009841221222	10	-1.26047420819884	0.24788747765358	0.184984644187473	0.441234605573335
OV	CDYL2	cg10112854	-0.694836739292236	10	-2.55624064134528	0.0377581475321295	0.482798094270266	0.117360440494292
OV	CECR2	cg03927893	-0.410145716939112	10	-1.18982430372727	0.272900818702956	0.168219509123498	0.469193031519134
OV	CECR2	cg12632097	-0.161870952377971	10	-0.433993823290499	0.677354952887156	0.0262022052237514	0.8135645059760622
OV	CECR2	cg13466481	-0.190462435679426	10	-0.513312692434226	0.623531897409593	0.0362759394049395	0.776927085709719
OV	CECR2	cg26796679	-0.695956218693297	10	-2.56422162793819	0.0373210663636584	0.484355058337872	0.116362271519957
OV	CHAF1A	cg03006338	-0.203915784081328	10	-0.551089711172391	0.598712824661179	0.0415816469975026	0.759127462826041
OV	CHAF1A	cg04346879	0.0657082308356525	10	0.174224157370162	0.866620980130749	0.00431757159955139	0.929120499004858
OV	CHAF1A	cg05297461	0.259350014196523	10	0.710486059438687	0.500382057412257	0.0672624298637367	0.684269472899893
OV	CHAF1A	cg07783855	-0.537918450434824	10	-1.6882606309176	0.135215756891962	0.289356259318202	0.294023216448271
OV	CHAF1A	cg09700233	-0.019829718524314	10	-0.0524748218134884	0.959616464072344	0.000393217736753522	0.978911167728035
OV	CHAF1A	cg18804734	-0.250802561583235	10	-0.685470019873136	0.515098946512071	0.0629019248967123	0.696517630032773
OV	CHAF1A	cg23811775	-0.00955819134839191	10	-0.0252897525413279	0.980529694853804	9.1359021852474e-05	0.989948473495769
OV	CHAF1A	cg24085258	-0.018468430084986	586	-0.323120692369273	0.746824532411189	0.000341082909804017	0.857811760316905
OV	CHAF1B	cg00660452	-0.424589648151049	10	-1.24075117181091	0.254666066683167	0.180276369317032	0.448934443505814
OV	CHAF1B	cg02544117	-0.692775312126497	10	-2.54163807950919	0.0385716337554959	0.479937633091966	0.119186593437204
OV	CHAF1B	cg02908490	-0.822749758953087	10	-3.82965667615399	0.0064606834047556	0.676917165857362	0.0303981132689946
OV	CHAF1B	cg04634639	-0.358403831019794	10	-1.01572544786141	0.343574716247384	0.128453306089665	0.542957705503467
OV	CHAF1B	cg07872789	0.0526384706766755	10	0.139461647594429	0.893013084032167	0.00277080859517922	0.943259468556665
OV	CHAF1B	cg13854874	-0.0547674873710181	586	-0.959479802568836	0.338074586250145	0.00299947767293463	0.53751235963506
OV	CHAF1B	cg25942896	-0.776092507516348	10	-3.25608254721085	0.0139396163458505	0.602319580223012	0.0551847844096667

OV	CHD1	cg03255775	0.627794757609431	10	2.13390774264145	0.0702635774427352	0.394126257681884	0.184889891204849
OV	CHD1	cg03833628	-0.537682986258525	10	-1.68722099832304	0.135420061545778	0.289102993711885	0.294311168260713
OV	CHD1	cg08865521	0.525715364191983	10	1.63509654812278	0.146044042045541	0.27637664414751	0.310072056081734
OV	CHD1	cg11365324	0.374488396861601	10	1.06856061273399	0.32072582343508	0.140241559383972	0.52014978127728
OV	CHD1	cg12662497	-0.74609581469719	10	-2.96465839195915	0.0209660026415586	0.556658964708663	0.075510611550806
OV	CHD1	cg16890600	-0.0718481657967668	10	-0.190584930183385	0.854260302018514	0.00516215892835968	0.922184807049682
OV	CHD1	cg21082921	-0.757179454671936	10	-3.06688200905546	0.018146895194031	0.573320726577291	0.0675593206701974
OV	CHD4	cg00079216	-0.0779318245331309	10	-0.206817222097769	0.842039910197508	0.0060733692750627	0.915500383495578
OV	CHD4	cg00824109	-0.139943059631218	586	-2.47233260456248	0.0139669494871322	0.0195840599389466	0.055258346559628
OV	CHD4	cg04344119	0.688223891586316	10	2.50981856852592	0.040407639305001	0.473652124950213	0.123307256583896
OV	CHD4	cg05147525	0.611995232261068	10	2.04737148935864	0.0798395361459014	0.374538164310278	0.202776261016463
OV	CHD4	cg11565429	0.70357258812795	10	2.61950015116526	0.0344342131508208	0.495014386765062	0.109458389974868
OV	CHD4	cg19509514	-0.557658718614285	10	-1.77747141623064	0.118732976749562	0.310983246446526	0.268782575098368
OV	CHD4	cg20308811	-0.579902519289399	10	-1.88327538950194	0.101675331531818	0.336286931878192	0.241100378870186
OV	CHRA1	cg00296189	-0.591163058873395	10	-1.93920578820514	0.0936444598799167	0.349473762176549	0.227264923160139
OV	CHRA1	cg07270064	-0.581214769354164	10	-1.88970734940341	0.100718685037338	0.337810608115414	0.239458127312573
OV	CHRA1	cg08877624	-0.555638821649021	10	-1.76815022425815	0.120361169735713	0.308734500123513	0.271292137637483
OV	CHRA1	cg12002314	-0.173184107491903	586	-3.07596405129128	0.00228772561270094	0.0299927350877671	0.0132567095951178
OV	CHRA1	cg18770186	-0.101753203432995	10	-0.270618268681338	0.794490270636317	0.0103537144088764	0.887464478115583
OV	CHRA1	cg19486048	0.232829312926961	10	0.633416249303772	0.54659173571267	0.0542094889580409	0.72012923689172
OV	CHRA1	cg22610305	-0.122176399057442	586	-2.15334612083218	0.0320725616756851	0.0149270724866433	0.10374225137868
OV	CHRA1	cg23548819	-0.690219784270813	10	-2.52370154891583	0.0395957227105579	0.476403350598847	0.121587970811761
OV	CLOCK	cg05960024	-0.00456849682752723	586	-0.0799168896827716	0.936355595946341	2.08711632631264e-05	0.96603425854132
OV	CLOCK	cg06085476	-0.582218218905157	10	-1.8946407431904	0.0999908647196691	0.338978054425093	0.238222807399073
OV	CLOCK	cg07236904	-0.118392113713179	10	-0.315454707764733	0.761613023393746	0.0140166925894744	0.867480578944262
OV	CLOCK	cg07500410	-0.685322095625286	10	-2.48982700042641	0.0416071081999147	0.469666374752234	0.125969386079166
OV	CLOCK	cg11774413	-0.672117853427758	10	-2.4016080184234	0.0473541484092592	0.451742408896337	0.138673767037452
OV	CLOCK	cg18928811	0.407615343109115	10	1.18101563259294	0.276163600952041	0.166150267937962	0.4726983020178
OV	CLOCK	cg22523077	-0.32696152701678	10	-0.915369762045578	0.390440375655163	0.106903840149144	0.587797427133857
OV	CLOCK	cg23506964	-0.503142283388182	10	-1.54036545714631	0.167368615083933	0.253152157333073	0.340123665574031
OV	CREBBP	cg00039463	0.00142371081009836	10	0.00376678855994719	0.997099645053177	2.02695247079093e-06	0.998528025129523
OV	CREBBP	cg00747661	0.514344111193344	10	1.586814556592	0.156575930659865	0.264549864719271	0.325086520026938
OV	CREBBP	cg03039399	-0.610344550823152	10	-2.03856381211238	0.0808841282510725	0.372520470719515	0.204558583841584
OV	CREBBP	cg03264209	0.0312618632680418	586	0.547126682504812	0.584690487443246	0.000977304094989738	0.749263564709596
OV	CREBBP	cg08506924	0.214000374820635	10	0.579619481621729	0.580338688582302	0.0457961604233723	0.746167555401564
OV	CREBBP	cg24567591	0.408293333072342	10	1.18337261686368	0.275287381722821	0.166703445831323	0.471784340619591
OV	CTCF	cg01866162	-0.0971947139465391	586	-1.7083012522403	0.0885945530420236	0.00944681241914956	0.218457785012241
OV	CTCF	cg04487155	-0.848606315473828	10	-4.24403722005072	0.00382118443664349	0.720132678662066	0.0200151644266256
OV	CTCF	cg06241380	-0.727013674819131	10	-2.80138800975219	0.026471397292728	0.528548883374017	0.0899225309370979
OV	CTCF	cg07967402	0.0956312114693957	10	0.254181358742682	0.806660323328641	0.00914532860710428	0.895208419876835
OV	CTCF	cg08324636	0.902348047496991	10	5.53908014297998	0.000869863985574689	0.814231998821632	0.00597634892641503
OV	CTCF	cg10218542	-0.907424423076454	10	-5.71330752197625	0.000725311201678783	0.823419083595636	0.00513653706175687
OV	CTCF	cg10481400	0.046133839922097	10	0.122188765798704	0.906183442730167	0.00212833118595768	0.950370529190323
OV	CTCF	cg23858565	-0.235725752901856	586	-4.24308843058966	2.92547906424761e-05	0.0555666305811467	0.000333457462745903
OV	CXXC1	cg02159718	-0.540296073515793	10	-1.69878970588849	0.133162963901435	0.291919847056583	0.29097465349554
OV	CXXC1	cg07675399	0.0319817101897694	10	0.0846589585936864	0.934902902801811	0.0010228297866624	0.965367690313969
OV	CXXC1	cg11871295	0.636446569546645	10	2.18311157089147	0.0653398664192989	0.405064235887692	0.175259441031029
OV	CXXC1	cg13423076	-0.158784896622703	586	-2.81329296424704	0.00522097144124624	0.0252126433954826	0.0256673566923856
OV	CXXC1	cg15632775	0.663691445370559	10	2.34752318842583	0.051274039930576	0.440486334658062	0.146950068610346
OV	CXXC1	cg20016845	-0.29076977004384	586	-5.31608546275308	2.04817126177086e-07	0.0845470591713475	4.13536037213086e-06
OV	CXXC1	cg27419474	0.200034792697921	10	0.540159591579649	0.605837272934903	0.0400139182897002	0.764405604110454
OV	DAXX	cg00221327	0.00715317855410725	10	0.0189260157468432	0.985428285660617	5.11679634269399e-05	0.992381657581867
OV	DAXX	cg02173004	-0.231748040162475	10	-0.630307263320839	0.548509261807755	0.0537071541191483	0.721691464213248
OV	DAXX	cg02328295	0.402846027666444	10	1.16450119728692	0.28236836949196	0.162284922006634	0.479525091930789
OV	DAXX	cg03085224	-0.689412822566181	10	-2.5180753559425	0.0399227088759589	0.475290039918669	0.122297586701963
OV	DAXX	cg03369465	-0.930964673409199	10	-6.74620237752068	0.000265932765612001	0.866695223135896	0.0022067171805888
OV	DAXX	cg03382121	-0.284507579735528	10	-0.785185022637737	0.458091508016148	0.0809445629269678	0.648141621494065

OV	DAXX	cg03902329	-0.209441415714771	10	-0.566698596732447	0.588620028966386	0.0438657066166074	0.752141169386361
OV	DAXX	cg04086445	-0.439880466417077	10	-1.29592574473935	0.236091874852813	0.193494824735306	0.427371082046311
OV	DAXX	cg04152866	0.401026173171029	10	1.15822968329214	0.284754840346573	0.1608219915682	0.482020542026705
OV	DAXX	cg04271391	-0.805051246530002	10	-3.59060430585336	0.00884999945239765	0.64810750953951	0.0388268022445197
OV	DAXX	cg04488476	-0.739770362736974	10	-2.90885187072291	0.022697654879463	0.547260189583994	0.0801189420433299
OV	DAXX	cg04973788	-0.737889119854278	10	-2.89258793358833	0.0232302887210016	0.544480353199321	0.0815549925881852
OV	DAXX	cg05431670	-0.491515067610717	10	-1.49325160151275	0.179010109544893	0.241587061688368	0.355761099068451
OV	DAXX	cg05532204	-0.281934354662649	10	-0.777467156430689	0.462344790669194	0.0794869803390443	0.651808871762132
OV	DAXX	cg06171013	0.455575933236743	10	1.35401570812983	0.21781520003759	0.207549430944529	0.405366275249976
OV	DAXX	cg07689821	-0.153754970365758	585	-2.71752923970773	0.00695308737603636	0.023640590912175	0.0322449168006779
OV	DAXX	cg08375286	-0.643184337435537	10	-2.22238543410978	0.0616598159134375	0.413686091922391	0.167959284147609
OV	DAXX	cg08567382	-0.5853004475333	10	-1.90987657362545	0.0977753231197874	0.342576613882681	0.234300563294133
OV	DAXX	cg09097215	0.274704844261382	10	0.75588048227713	0.474383946884425	0.0754627514606704	0.662308947191753
OV	DAXX	cg09432361	-0.153735616959519	10	-0.411639776388062	0.692915350695945	0.0236346399219239	0.823763051283025
OV	DAXX	cg09615909	-0.859908127084819	10	-4.45706386108784	0.00294645392215735	0.73944198702652	0.0162288612588721
OV	DAXX	cg11111423	-0.648719747224534	10	-2.25530794615575	0.0587364477241597	0.420837310439063	0.162113929406559
OV	DAXX	cg12025215	0.486076302678739	10	1.47157903662183	0.184609028949356	0.236270172025833	0.363103630615044
OV	DAXX	cg12832355	-0.704923048813752	10	-2.62948499031999	0.0339380043705206	0.496916504748875	0.108245735175889
OV	DAXX	cg12923297	-0.51788120872996	10	-1.60170765507228	0.153254183212741	0.268200946355605	0.320439067055097
OV	DAXX	cg13443893	0.307089994917805	10	0.853735864282303	0.421502526970099	0.0943042649786178	0.616611739955615
OV	DAXX	cg13826470	-0.353981683917818	10	-1.00138481272522	0.349992060545625	0.125303032549294	0.54901435863374
OV	DAXX	cg14539675	0.434078766403653	10	1.27483231872392	0.243050462256152	0.188424375442517	0.435603468869981
OV	DAXX	cg14622330	-0.557352533854897	10	-1.77605553590295	0.118978932577848	0.310641846994475	0.269167042224128
OV	DAXX	cg14746369	-0.38516359281599	10	-1.10424114941896	0.305994400275498	0.148350993230922	0.504504246673281
OV	DAXX	cg14910283	-0.732746968548641	10	-2.8488800008644	0.0247280640858741	0.536918119917223	0.0854861581787534
OV	DAXX	cg16922466	-0.647807999530647	10	-2.24984334488801	0.0592117985127762	0.419655204255899	0.16309608233909
OV	DAXX	cg17079757	-0.0631326475746816	10	-0.167367158357729	0.871813640605605	0.00398573118978894	0.93202878129497
OV	DAXX	cg17504991	-0.644677595869641	10	-2.23120725554428	0.0608623540556757	0.415609202616261	0.166317478270593
OV	DAXX	cg18187593	-0.609686971277785	10	-2.03506692438269	0.0813026050674329	0.371718202945878	0.205312434545734
OV	DAXX	cg18279148	-0.35655852914324	10	-1.00973185408029	0.346245547826676	0.127133984704791	0.54553571944564
OV	DAXX	cg18486541	-0.867613352631505	10	-4.61646630535491	0.00243628754005623	0.752752929664479	0.013935923006701
OV	DAXX	cg18944910	-0.756329244925265	10	-3.05882930708898	0.0183536458726947	0.572033926729221	0.0681337882437315
OV	DAXX	cg18967278	0.59061536170043	10	1.93644604732721	0.0940257651438485	0.34882650547653	0.227872841966653
OV	DAXX	cg20223162	-0.319983313664656	10	-0.893577749568735	0.401224183803981	0.102389321023814	0.597821036847539
OV	DAXX	cg20763184	-0.713101789077959	10	-2.69119422214957	0.031032038993829	0.508514161586186	0.101190696293999
OV	DAXX	cg21286626	0.275842188364082	10	0.759267167228715	0.472481267696048	0.0760889128814858	0.660537892930139
OV	DAXX	cg24328964	-0.709496758086591	10	-2.66372755283243	0.0322920624863796	0.503385649735383	0.104285840733426
OV	DAXX	cg24496586	-0.224058908096732	10	-0.608269023058918	0.562217835551013	0.0502023942975	0.732481021903092
OV	DAXX	cg24513883	-0.781897240552275	10	-3.31838516082781	0.0127933564186717	0.611363294783262	0.0517145424387708
OV	DAXX	cg24728112	-0.772384581873572	10	-3.21738324499535	0.0147066712827887	0.596577942316012	0.0574833334559244
OV	DAXX	cg25642825	-0.713899181731106	10	-2.69732773813355	0.0307577408401603	0.509652041676343	0.100502675189828
OV	DAXX	cg26521092	0.640664988803361	10	2.20759950986929	0.0630201279389932	0.410451627878411	0.170667264251411
OV	DAXX	cg27052777	-0.754327342167203	10	-3.04001090633304	0.0188466276426808	0.569009739141037	0.0695717258628979
OV	DAXX	cg27393652	-0.468495323186576	10	-1.40302190249229	0.203375864198265	0.219487867847695	0.387195659953587
OV	DIDO1	cg00080059	0.0233406693433637	10	0.0617704346687019	0.952472360399704	0.00054478684539624	0.974968549651108
OV	DIDO1	cg01488865	0.170387756543741	10	0.457493516097861	0.661177351808879	0.0290319875800091	0.802878854061875
OV	DIDO1	cg06646488	-0.309074661105161	10	-0.859834077414255	0.418351580280646	0.0955271461372702	0.61378324600846
OV	DIDO1	cg08610063	0.0430080586137155	10	0.113894010700986	0.912519641239001	0.00184969310572079	0.953608889747009
OV	DIDO1	cg13815390	0.0497320460247669	10	0.131741643580356	0.898895288587552	0.00247327640180953	0.946580847111743
OV	DIDO1	cg20969846	-0.175861816321214	586	-3.12502938592019	0.00194836311781726	0.0309273784397963	0.0116378194400703
OV	DIDO1	cg21212389	-0.0875981501344101	10	-0.232657279934227	0.822683703322566	0.00767343590697065	0.904636846198569
OV	DIDO1	cg21687703	0.617653048026763	10	2.07788784479867	0.0763227701568701	0.381495287736751	0.196357351067648
OV	DIDO1	cg22394521	-0.558038919228234	10	-1.77923103150304	0.118427988456791	0.311407435373415	0.268339187547283
OV	DMAP1	cg01604592	-0.411801210110886	10	-1.19560521381324	0.270777126143025	0.16958023664879	0.46698618053318
OV	DMAP1	cg11683482	0.113361768147566	10	0.301872987030053	0.771520162204346	0.0128508904775425	0.873324178411476
OV	DMAP1	cg15990015	0.149899957552869	586	2.65214445504157	0.00841519258332897	0.022469997274352	0.037351029373395
OV	DMAP1	cg18017761	0.354579295811612	10	1.00331829188146	0.349121436537517	0.125726477018258	0.548201623518954

OV	DMAPI	cg18167340	-0.0751635560615712	10	-0.199428215757955	0.847597122470044	0.00564956015982096	0.918702167109197
OV	DMAPI	cg21437596	-0.0231929827034119	10	-0.0613793750419597	0.95277281813677	0.000537914446680765	0.975037248149736
OV	DMAPI	cg23021241	-0.275448354161299	10	-0.758094052119854	0.47313975374418	0.0758717958101682	0.661183674985624
OV	DMAPI	cg23451311	0.145916744215734	586	2.58011585511296	0.0103427550559654	0.0212916962425201	0.0437585508759014
OV	DMAPI	cg24485408	-0.262541314000045	10	-0.719871579075281	0.494931652222604	0.0689279415568704	0.679968644743906
OV	DNMT1	cg04160663	-0.860961956456977	10	-4.47813735325349	0.00287270077181974	0.741255490466225	0.015905408118678
OV	DNMT1	cg04762346	-0.111450786529688	586	-1.96181471994098	0.050690308928262	0.0124212778180861	0.145776566218078
OV	DNMT1	cg06128182	0.152363208176005	10	0.407877301261643	0.695550337286104	0.0232145472056847	0.825458695349196
OV	DNMT1	cg06716436	0.0312347022639924	586	0.54665086222508	0.585017001425488	0.000975606625520251	0.749568690442295
OV	DNMT1	cg10635912	-0.338166856616288	10	-0.950715709064452	0.373411309457223	0.114356822913741	0.571980219503322
OV	DNMT1	cg11380607	0.698016075369218	10	2.57900172942437	0.0365254193702904	0.487226441473846	0.114510295578801
OV	DNMT1	cg13393778	-0.788500187906029	10	-3.3919647722526	0.0115684134444095	0.621732546327843	0.0477656788649431
OV	DNMT1	cg15043801	0.0952898010547144	586	1.67451047453138	0.095051994163516	0.00908014618504705	0.229649207551681
OV	DNMT1	cg21893394	-0.382164848180827	10	-1.0941667901611	0.310097285355402	0.146049971185075	0.508885312033291
OV	DNMT1	cg23401624	-0.406270119067886	10	-1.17634598297687	0.277906439975131	0.165055409647434	0.47476597266227
OV	DNMT1	cg24477899	-0.817991834174522	10	-3.76232741874215	0.00705336589012312	0.669110640776199	0.0325875725178904
OV	DNMT1	cg27429799	-0.73999516252689	10	-2.91080536114515	0.0226345520512013	0.547592840563199	0.0799482162050716
OV	DNMT3A	cg02208653	0.136357207349703	10	0.364168691938837	0.726483553597673	0.0185932879962099	0.845087349252009
OV	DNMT3A	cg03463641	0.137774947533426	10	0.368027924259636	0.723729104899305	0.0189819361678382	0.843472389311409
OV	DNMT3A	cg06112956	0.166586050558669	10	0.446991103945285	0.668384106796408	0.0277509122407354	0.807709098316423
OV	DNMT3A	cg07150430	0.110624972986948	10	0.294493704440243	0.776922326020627	0.0122378846483631	0.87662656906055
OV	DNMT3A	cg12066181	-0.00072245354605110	586	-0.0126377789179293	0.989925015146109	5.21939126201818e-07	0.994565828005274
OV	DNMT3A	cg13076778	0.43798112027425	10	1.28899836236262	0.238357953386596	0.191827461716687	0.43000831653812
OV	DNMT3A	cg13344237	-0.371041873997388	10	-1.05714782104398	0.325556152291165	0.137672072259493	0.524952125843899
OV	DNMT3A	cg15990840	0.543260704219201	10	1.71199887248696	0.130629324610008	0.295132192748743	0.287123941986013
OV	DNMT3A	cg15998962	0.328654082688669	10	0.920680431092342	0.387845332497567	0.108013506067931	0.585728370017001
OV	DNMT3A	cg21629895	-0.218875411531159	586	-3.92389950761604	0.000107641166741523	0.0479064457729344	0.00102607976050607
OV	DNMT3A	cg21708767	0.0757800612087862	10	0.201073371298488	0.846358996744981	0.00574261767680738	0.917896750258313
OV	DNMT3A	cg22731525	0.0305504075232012	10	0.0808665270402409	0.937811606601779	0.000933327399833667	0.966703098278482
OV	DNMT3A	cg25044635	-0.565732032667447	10	-1.81519034798441	0.112357448293003	0.320052732786041	0.258869697393924
OV	DNMT3A	cg26470599	0.195501241165173	10	0.527425148768147	0.614196164095188	0.0382207352971233	0.77057826955094
OV	DNMT3A	cg26995204	-0.351097416286888	10	-0.992072862826	0.354208765448077	0.123269395723328	0.553210160694347
OV	DNMT3B	cg00300969	-0.329980374810118	10	-0.924848834157322	0.38581749272426	0.108887047759826	0.583878728314193
OV	DNMT3B	cg13636640	0.131342319375543	10	0.350535779049346	0.736248300754547	0.017250804858947	0.851252902753987
OV	DNMT3B	cg14224313	-0.103856287273735	10	-0.27627189982865	0.790318213173212	0.0107861284062846	0.884786079259683
OV	DNMT3B	cg16523653	0.0484823353120455	586	0.849092994140941	0.396493316549503	0.00235053683730962	0.593112221279724
OV	DNMT3B	cg16953106	0.204894050187765	10	0.55384907633951	0.596921606205554	0.0419815718023462	0.757955790049209
OV	DNMT3B	cg17475857	-0.303903222860348	10	-0.843969660918209	0.42658418806786	0.0923571688649062	0.621174357326916
OV	DNMT3B	cg17721173	0.247508862794336	10	0.675876365975803	0.520815434446793	0.0612606371617456	0.700998579662857
OV	DNMT3B	cg22605822	0.0943139523634139	10	0.250648527786333	0.809283717862747	0.00889512161040832	0.896918746134437
OV	DNMT3B	cg24403338	-0.255063236979011	10	-0.697917967267171	0.507741523681238	0.0650572548582109	0.690413453588615
OV	DNMT3B	cg25803642	0.308433609580664	10	0.85786298913589	0.419368178965037	0.0951312915189572	0.614744996095311
OV	DNMT3L	cg09247319	-0.325399113323101	10	-0.910476191106945	0.39284303197963	0.10588458295146	0.589694880135346
OV	DNMT3L	cg15635600	0.33251862567648	10	0.932843472682954	0.381950501602085	0.110568636421775	0.58042031765344
OV	DNMT3L	cg27187798	-0.130353239150341	10	-0.347850245344933	0.738178097275644	0.016991966956986	0.852556245951124
OV	DPF1	cg06168449	0.0281986029591094	586	0.493470325316455	0.622034277705299	0.000795161208845492	0.776059764289379
OV	DPF1	cg06615189	0.0894385737811898	10	0.237584381241029	0.819007438290031	0.00799925848001333	0.902654454265562
OV	DPF1	cg07480327	-0.344126859355494	10	-0.969700318287203	0.364500097878003	0.118423295329876	0.563434704537596
OV	DPF1	cg08057062	-0.195974226927453	10	-0.528752074638964	0.613322263128323	0.038405897619813	0.769799228227424
OV	DPF1	cg13322582	-0.469308427181802	10	-1.40614398154856	0.202485443867416	0.220250399823857	0.386129491854928
OV	DPF1	cg13917712	-0.0475540893178969	10	-0.125958795837438	0.903305981889262	0.00226139141085452	0.948758505509675
OV	DPF1	cg17121541	-0.270908287319215	10	-0.744600157876398	0.480758501407074	0.0733913001382306	0.667954830305435
OV	DPF1	cg22145401	-0.283206626922566	10	-0.781280785907335	0.460239746365826	0.0802059935328574	0.650046130626611
OV	DPF1	cg27400772	-0.060050089627345	586	-1.05234665328234	0.293470822541361	0.00360601326425217	0.491205929015505
OV	DPF2	cg02186298	0.117744386411583	575	2.05709806068893	0.0405381833762037	0.0138637405314402	0.123565782487893
OV	DPF2	cg14699126	-0.494314989241491	10	-1.50449823690332	0.176165874286232	0.244347308588815	0.352042128598812
OV	DPF2	cg15918224	-0.848379558928732	10	-4.23998929019783	0.00384035861355164	0.719747876008111	0.0201007103534035

OV	DPF2	cg15929437	-0.0619985620344171	10	-0.164348944922654	0.874101437117354	0.00384382169433546	0.933355601948962
OV	DPF2	cg18224556	-0.51860250747332	10	-1.60475842368219	0.152581872017337	0.268948560757615	0.319479844746642
OV	DPF2	cg19517014	-0.655193721052345	10	-2.29459872969058	0.0554305544229636	0.429278812106418	0.155477358960881
OV	DPF3	cg00888802	-0.498065042960537	10	-1.51965857520945	0.172397089298827	0.248068787019281	0.346934815555085
OV	DPF3	cg05151458	-0.312188992169099	10	-0.869428454492539	0.413428645679874	0.0974619668315576	0.609022902050976
OV	DPF3	cg07171024	-0.423182408010959	10	-1.23573996813694	0.256413325866689	0.179083350449954	0.45068726327323
OV	DPF3	cg10266394	0.187830128386995	10	0.505957070870706	0.628427550065669	0.0352801571298752	0.780602018601399
OV	DPF3	cg12913429	-0.56764300356873	10	-1.82422952107173	0.110879213785035	0.322218579500529	0.256359781174934
OV	DPF3	cg13819165	-0.438987797505072	10	-1.29266728861689	0.237155446140374	0.192710286358354	0.428574809717555
OV	DPF3	cg14238615	0.254127737049816	10	0.695181128334863	0.509353331062121	0.0645809067380605	0.691826635104509
OV	DPF3	cg14242696	-0.00819942234824629	10	-0.0216943617017859	0.983297209760837	6.72305268449208e-05	0.991358882722222
OV	DPF3	cg15392845	-0.296585041010324	10	-0.82165964817955	0.438356403051059	0.0879626865510958	0.631018430460643
OV	DPF3	cg15740492	0.187721204914276	10	0.505652943946551	0.628630401288443	0.0352392507744675	0.780667359936532
OV	DPF3	cg16696021	-0.00029443673145709	10	-0.0007790064020453	0.999400178459472	8.66929888311383e-08	0.999708595641972
OV	DPF3	cg19710444	-0.0608112285444118	10	-0.16118970390523	0.876497516047264	0.00369800551708068	0.934634332991308
OV	DPF3	cg19839347	-0.481956508316819	10	-1.45531172787365	0.188915206817212	0.23228207590894	0.368678103090068
OV	DPF3	cg20548765	0.744008807984152	10	2.94605091803147	0.0215273157706934	0.553549106357999	0.0770471109249781
OV	DPF3	cg21035356	0.0236204111996953	10	0.0625111745692774	0.951903260149677	0.000557923825242692	0.974565535567336
OV	DPF3	cg22784589	0.0759175924326417	10	0.201440407518914	0.846082832733991	0.0057634808407687	0.917814762664307
OV	DPF3	cg23515460	0.0808569972397872	10	0.214630267654245	0.836174271883941	0.00653785400263495	0.912304771098407
OV	DPF3	cg24383902	-0.479460643780496	10	-1.44551795523393	0.191551252270809	0.229882508934408	0.372008341092826
OV	DPF3	cg25495195	-0.449481606374622	10	-1.33127774822638	0.224816359922662	0.202033714469111	0.414125873835564
OV	DPF3	cg26057784	-0.374004253149776	10	-1.06695433236134	0.321402177908754	0.139879181374122	0.520888336247861
OV	EED	cg00080012	-0.0217204475010642	586	-0.380042311886046	0.704177650725117	0.000471777839646487	0.8311328330705
OV	EED	cg01739327	-0.237669402487276	10	-0.647363622694541	0.538039732258756	0.0564867448786587	0.713807819696061
OV	EED	cg02172616	-0.588615960591378	10	-1.9264062302476	0.0954257961084451	0.346468749062911	0.230279330236854
OV	EED	cg04607174	-0.720957915938197	10	-2.75257370044575	0.0283983787495476	0.519780316553948	0.0947839143831433
OV	EED	cg06358433	-0.608817883196483	10	-2.03045552880225	0.0818577356244632	0.370659214899847	0.20631246955127
OV	EED	cg10086030	-0.478503706422225	10	-1.4417750450304	0.19256738959214	0.228965797059807	0.373275496183075
OV	EED	cg10535675	-0.682659118872789	10	-2.47167766135789	0.0427278319902006	0.466023472580172	0.128494513906805
OV	EED	cg12672785	0.0801302175661483	10	0.212688548608993	0.837630988967402	0.00642085176719826	0.913077167779196
OV	EED	cg16265078	-0.688449948888701	10	-2.51138550314728	0.0403151460963063	0.473963332124855	0.123140935074642
OV	EED	cg18574463	0.108833436914277	10	0.289666829456633	0.780463140977724	0.011844716990574	0.878748202990478
OV	EED	cg19325359	-0.788214058154966	10	-3.38871370998824	0.0116197868029206	0.62128140147312	0.0479294641859177
OV	EED	cg21042619	-0.028695772899651	576	-0.494737732534366	0.621151034836281	0.000823447382308346	0.775494272344428
OV	ELP3	cg01209934	0.0446622742255924	10	0.118283300433898	0.90916586798383	0.00199471873900201	0.95174058096636
OV	ELP3	cg02516513	-0.405981645112585	10	-1.17534580395991	0.278280923924544	0.164821096168321	0.475175696692326
OV	ELP3	cg04720865	-0.0684684114922071	10	-0.181576497803424	0.861061052126478	0.0046879233722662	0.926197523459027
OV	ELP3	cg05621091	-0.884152496972857	10	-5.00696820929572	0.00155304574196152	0.781725637903337	0.00967280638577141
OV	ELP3	cg15692687	-0.481569531896014	10	-1.45379022484087	0.189322570663504	0.231909214050546	0.369200843833266
OV	ELP3	cg17572663	-0.326828226759369	10	-0.914951930822883	0.390645095348144	0.106816689806673	0.587908206376648
OV	ELP3	cg18022570	-0.799790739960009	10	-3.52510700656566	0.00966111244757	0.639665227725779	0.0414777362994625
OV	ELP3	cg18249244	-0.246525938159937	586	-4.44977980086503	1.2051401917065e-05	0.0607750381856371	0.0001543141416472
OV	ELP3	cg19781013	0.193572616876505	10	0.522018488491058	0.617763881605015	0.0374703580044184	0.772988194527452
OV	ELP3	cg22414525	0.00886285201325852	10	0.0234498233454584	0.981945927967377	7.85501458089206e-05	0.990643844758107
OV	ELP3	cg22487209	-0.894229366885746	10	-5.28565865940166	0.00114100821535824	0.799646160600882	0.00749186302376594
OV	ELP3	cg25374552	0.609835809864613	10	2.03585783417415	0.0812077686810868	0.371899714993229	0.205146197654699
OV	ELP4	cg04972224	-0.80107810308472	10	-3.54092160445897	0.00945816184820949	0.641726127241813	0.0407842271947014
OV	ELP4	cg05195750	-0.24221442178886	10	-0.660507216164984	0.530056394097598	0.0586678261225116	0.708082503415958
OV	ELP4	cg05635455	-0.720295820776079	10	-2.74731761100432	0.0286144659493617	0.518826069427485	0.0952956351831792
OV	ELP4	cg08111895	-0.425016891028481	10	-1.24227475758541	0.25413685039154	0.180639357659516	0.44824563867409
OV	ELP4	cg08626560	-0.738582363835891	10	-2.89856388413635	0.0230330627907074	0.545503908169412	0.0810088198716166
OV	ELP4	cg09616795	-0.570338056412334	10	-1.83705157448621	0.108814472473798	0.325285498592199	0.252954222968075
OV	ELP4	cg10583382	-0.27808861934382	586	-5.06432421439669	7.09504482976093e-07	0.0773332802085518	1.25930165979106e-05
OV	ELP4	cg11385473	-0.223406658669419	586	-4.0093555868325	7.65574020841808e-05	0.0499105351378341	0.000765416596547586
OV	ELP4	cg13263383	-0.848883424394586	10	-4.24899536353771	0.00379784187504372	0.720603068211878	0.0199199499349972
OV	ELP4	cg19328333	-0.281574412022399	10	-0.776389040072587	0.462941081153281	0.07928414950576	0.652250990985028

OV	ELP4	cg24001477	-0.114259120734258	10	-0.304294045713551	0.769750713681411	0.0130551466709658	0.872381151774885
OV	ELP4	cg24531794	-0.383616771149004	10	-1.09903947124476	0.308107307103774	0.147161827106787	0.506680546517933
OV	ELP4	cg25130734	-0.820794413081842	10	-3.80169422459751	0.00669997844139256	0.673703468546366	0.0312856016128267
OV	EP300	cg00500400	-0.133747123574012	586	-2.36083002530272	0.0188609303029388	0.0178882930643219	0.0696113109396918
OV	EP300	cg02046995	0.258736968697976	10	0.708685980364446	0.501431857015719	0.0669448189710177	0.685249507049576
OV	EP300	cg07519229	-0.442930826949903	10	-1.30709636887669	0.232477044763337	0.196187717462525	0.42308798999483
OV	EP300	cg08131204	-0.399742204779456	10	-1.1538147601382	0.286444833887868	0.159793830281941	0.483765482219412
OV	EP300	cg09331127	-0.0844365595132468	10	-0.224198783911766	0.829005952842801	0.00712953258243407	0.908065066606397
OV	EP300	cg24349919	0.184585386886186	10	0.496905616556133	0.634479496675499	0.0340717650519231	0.784719009082621
OV	EPC1	cg02900516	-0.837002449110506	10	-4.04697332317819	0.00488949917560736	0.700573099816985	0.0243501503659944
OV	EPC1	cg16942190	0.306891834434281	10	0.853127660899255	0.421817719484048	0.0941825980424382	0.616912931123562
OV	EPC1	cg26211455	-0.513580867317791	10	-1.58361540283291	0.157298127680147	0.263765307274895	0.325968314990659
OV	EPC2	cg00066942	-0.309308494424356	10	-0.860553384236865	0.417981037327609	0.0956717447230617	0.613389991093622
OV	EPC2	cg03664802	-0.199819670508994	10	-0.539554518774677	0.606233027835673	0.039927900722323	0.76466197819976
OV	EPC2	cg04098458	-0.10443201753528	10	-0.277820260858768	0.789176889295141	0.010906046286489	0.883982733334658
OV	EPC2	cg05586854	0.374204664499295	10	1.06761912917199	0.321122114462921	0.14002913093303	0.520530281034545
OV	EPC2	cg10458926	-0.291307583092232	10	-0.805669766056606	0.446933451474068	0.0848601079670374	0.638567824786469
OV	EPC2	cg11721798	-0.257231445287991	10	-0.704269216255109	0.504013750288554	0.0661680164449489	0.687326818531497
OV	EPC2	cg12432635	0.0186202241055025	10	0.0492730248728375	0.962078149053033	0.000346712745739137	0.980106956607672
OV	EPC2	cg16434205	0.787240126604426	10	3.37769108544961	0.011795801485106	0.619747016936152	0.0485191445425019
OV	EPC2	cg21347644	-0.291498203113904	10	-0.806245903157562	0.446622386266769	0.0849712024186349	0.638405270430775
OV	EPC2	cg21650422	-0.566792574851887	10	-1.82020152534244	0.11153560829981	0.321253822907232	0.257403100420524
OV	EZH1	cg00728999	-0.498568232869698	10	-1.52170139963154	0.171894925645464	0.248570282826813	0.346201880745178
OV	EZH1	cg01716316	-0.249458626553011	10	-0.681552457628654	0.517428436149835	0.0622296063617145	0.698348850829984
OV	EZH1	cg03623386	-0.157780023963277	10	-0.422741849073278	0.685166839422544	0.0248945359618523	0.818820225739984
OV	EZH1	cg05375741	-0.356569968519986	10	-1.00976896767753	0.346228959737827	0.127142142450344	0.545531681158619
OV	EZH1	cg05979501	-0.516129455908066	10	-1.59431792929439	0.154894117973625	0.266389615255957	0.322637694008734
OV	EZH1	cg06975499	-0.267639424657806	586	-4.85903976734978	1.88698252898362e-06	0.0716308616311615	2.99767038717075e-05
OV	EZH1	cg12812489	-0.321844596022437	10	-0.899374206447116	0.398334565570585	0.103583943988845	0.594948006340618
OV	EZH1	cg19395400	-0.464500756797217	10	-1.38774993287958	0.207781851130446	0.215760953065188	0.392830303461697
OV	EZH1	cg22227424	-0.617645715808204	10	-2.07784796388192	0.0763272641353152	0.381486230256229	0.196362418933917
OV	EZH1	cg27088844	-0.224322300839654	586	-4.02665694611321	7.14025105113058e-05	0.0503204946539961	0.000721669079214827
OV	EZH2	cg01893439	0.52881480431537	10	1.64846361832633	0.143247355474292	0.279645097263104	0.306047038662174
OV	EZH2	cg02303805	-0.00738131325905679	10	-0.0195296512644393	0.984963594820872	5.44837854283276e-05	0.992118108781155
OV	EZH2	cg06816161	-0.0490452710093017	586	-0.858975576299014	0.391026367529351	0.00240543860837585	0.588269024651257
OV	EZH2	cg13751213	0.533486463218706	10	1.66878476270516	0.139091792686299	0.284607806437603	0.299894873208556
OV	EZH2	cg18494018	0.453993392042412	10	1.34808844412617	0.219621550473612	0.206110000018175	0.407635577188219
OV	EZH2	cg20101066	-0.605982672448448	10	-2.01549227511801	0.0836849999870031	0.367214999307763	0.209566743569577
OV	FBXL19	cg00026853	-0.12971184181929	10	-0.346109299523623	0.739430206194452	0.0168251619081525	0.853220929399924
OV	FBXL19	cg02291855	0.609751274413045	10	2.03540858121217	0.0812616242431372	0.371796616648333	0.205242258250402
OV	FBXL19	cg03181514	0.409058094890126	10	1.18603407830194	0.274300765774922	0.167328524995139	0.470768790431195
OV	FBXL19	cg03627896	0.0591615848044994	586	1.03672096535872	0.300684465420395	0.00350009311657998	0.498966872807349
OV	FBXL19	cg04477789	0.0150574010111104	10	0.0398426553919109	0.969331109562157	0.000226725325209388	0.983885741199315
OV	FBXL19	cg05643349	-0.464693600812401	10	-1.38848471218916	0.20756793999787	0.215940142635995	0.392532485871492
OV	FBXL19	cg05768582	-0.642273879535323	10	-2.21702791343578	0.062149255483476	0.412515736333355	0.16894989625333
OV	FBXL19	cg06862768	0.320944503963401	10	0.896569668983475	0.399730746218889	0.103005374624314	0.596362733331479
OV	FBXL19	cg07697662	-0.070761190023692	10	-0.187686989033925	0.856446630981882	0.00500714601356904	0.923635916587017
OV	FBXL19	cg08535091	0.0446915377004154	578	0.776144697241808	0.438272980951532	0.00199733354202765	0.630984440425375
OV	FBXL19	cg08593668	-0.4840703367176	10	-1.46364245716586	0.186698742940975	0.234324090889891	0.365724301046795
OV	FBXL19	cg09011601	-0.492162943368411	10	-1.49584850554824	0.178349674607273	0.242224362825057	0.354947289170819
OV	FBXL19	cg11940219	-0.214908406286559	10	-0.582197708040236	0.57869426964305	0.0461856230926289	0.744897505102255
OV	FBXL19	cg26666512	-0.524947875908041	10	-1.6318005341833	0.146741452261546	0.275570272420364	0.311170597427756
OV	FBXL19	cg27602786	-0.182670593729116	10	-0.491572069518397	0.638059718969221	0.0333685458133477	0.787112069074327
OV	FBXW9	cg02753619	0.377919321819259	10	1.07997291891172	0.315953231195663	0.142823013804328	0.515191382498804
OV	FBXW9	cg03160342	0.349760269190701	10	0.98776679628379	0.356171923540901	0.122332245904352	0.554940965015809
OV	FBXW9	cg05868316	-0.0920903937012581	586	-1.6177985572878	0.106736312376701	0.00848064061205272	0.249465064895089
OV	FBXW9	cg06489804	0.0419291103311834	586	0.734105457027139	0.46344658674971	0.00175805029316455	0.65271389762653

OV	FBXW9	cg12110584	-0.590789049021826	10	-1.93732077872431	0.0939047418577912	0.349031700444113	0.227669320537445
OV	FBXW9	cg14342428	0.101642868777172	10	0.270321762618061	0.794709275800568	0.0103312727732534	0.887606080844577
OV	FBXW9	cg15828427	-0.449810442888541	10	-1.33249862816362	0.224435495570537	0.202329434531586	0.41365937600489
OV	FBXW9	cg19721801	-0.542012359104326	10	-1.70642577770021	0.131692677776871	0.293777397421836	0.288678186902249
OV	FBXW9	cg21564527	-0.205101770539041	10	-0.554435209409713	0.59654150823041	0.0420667362782496	0.757645863319851
OV	FBXW9	cg22303873	-0.0816061607909859	10	-0.216632149862158	0.83467314071178	0.00665956547904425	0.911436544573878
OV	FKBP1A	cg04613791	0.105628972014383	586	1.85814756282758	0.064108289626062	0.0111574797288153	0.172796073839993
OV	FKBP1A	cg07516946	0.0697119134378962	10	0.184890193668796	0.858557934176443	0.00485975087517274	0.924847765533831
OV	FKBP1A	cg10996143	-0.141147841558075	586	-2.49404791181804	0.01315712006364	0.0199227131765033	0.0528144993927147
OV	FKBP1A	cg21332426	0.222417575621145	10	0.603580377016951	0.565160384273269	0.0494695779451878	0.734700718940415
OV	FKBP1A	cg21775445	0.527761489245195	10	1.64391075060329	0.144194232342417	0.278532189530306	0.307399464881235
OV	FKBP1A	cg24641773	0.453515078398142	10	1.34630013245073	0.220169121618787	0.205675926334473	0.408350101259105
OV	FKBP1A	cg26779912	0.137167381050977	10	0.366373785945407	0.724909178034848	0.0188148904243839	0.844107163370787
OV	FKBP2	cg03764062	-0.28840214171306	10	-0.796901172848489	0.451686382607013	0.0831757953446802	0.642279889022464
OV	FKBP2	cg04446112	0.538913752524867	10	1.69266128736343	0.134354175690597	0.290428032660434	0.292673295913818
OV	FKBP2	cg06615912	-0.679070032604686	10	-2.44750757253453	0.0442687758078389	0.461136109181729	0.132000507852909
OV	FKBP2	cg09854726	-0.314571846761577	10	-0.876790305218809	0.409679830214334	0.0989554467749892	0.605594708261803
OV	FKBP2	cg10998122	-0.3840431076954	10	-1.10047207680457	0.307524209923003	0.147489108568341	0.50602287694393
OV	FKBP2	cg12423493	-0.324578815553902	10	-0.907910313632283	0.394107213458368	0.105351407506374	0.590826833457922
OV	FKBP2	cg15010817	0.329446706068958	10	0.923170830098085	0.386632850452803	0.108535132139687	0.584589531168012
OV	FKBP2	cg16977872	-0.0615173273869281	584	-1.07815574020129	0.281813426362296	0.0037843815688305	0.478906760680424
OV	FKBP2	cg19924313	0.190105694203932	10	0.512315158509714	0.624194635541226	0.0361401749687588	0.777410225053539
OV	FKBP2	cg21809711	0.18513893345342	10	0.498448577296457	0.633445708767499	0.0342764246802697	0.784090402684223
OV	FKBP2	cg22074794	0.336396385462153	10	0.945101218525831	0.376078158830054	0.113162528152002	0.574628280787706
OV	FKBP2	cg24677501	-0.01269961473972	10	-0.0336027321848226	0.974132034170952	0.000161280214537315	0.986487910203053
OV	FKBP5	cg00130530	-0.475252098257478	10	-1.42910647564704	0.19604272966097	0.225864556898136	0.377966495941648
OV	FKBP5	cg00140191	0.205682968508103	10	0.55607561551775	0.59547844992604	0.0423054835343051	0.756850621052522
OV	FKBP5	cg00610228	-0.439097849002613	10	-1.29306874635981	0.237024185468171	0.192806920998722	0.428416176175192
OV	FKBP5	cg01294490	-0.639675580195339	10	-2.20182591694663	0.0635594781592114	0.409184847898244	0.171691588038393
OV	FKBP5	cg07485685	0.265039163739356	10	0.727235362000963	0.490682646069194	0.0702457583156574	0.676468755567342
OV	FKBP5	cg07843056	0.0636995730003516	10	0.168876196075282	0.870670286373427	0.00405763560042713	0.931344007069472
OV	FKBP5	cg08636224	0.0638223525054869	586	1.11871595549619	0.264138767343516	0.00407329267933463	0.459671088347638
OV	FKBP5	cg08915438	0.108825797977657	10	0.28964625427947	0.780478246192811	0.0118430543054737	0.87875249203004
OV	FKBP5	cg10913456	0.327491445356489	10	0.917031402699781	0.389627032442667	0.107250646781682	0.58729041021962
OV	FKBP5	cg16012111	0.41526851487044	10	1.20775922265967	0.266357419658453	0.172447939442701	0.462117314109146
OV	FKBP5	cg17030679	0.0669396432253752	10	0.177503785090961	0.864139864857325	0.00448091583514051	0.927867063901267
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OV	FKBP5	cg25114611	-0.58166072794328	10	-1.89189826361098	0.100394826725978	0.338329202431506	0.238886745132306
OV	FMR1	cg02921434	0.63966309022731	10	2.20175315168414	0.0635663052420414	0.409168868999152	0.171704067708311
OV	FMR1	cg03513471	0.315251747206731	10	0.87889422764228	0.408613029806521	0.0993836641168966	0.604603660239814
OV	FMR1	cg04552106	0.715222280736948	10	2.70755225229683	0.0303061037339389	0.511542910862562	0.0994320371927817
OV	FMR1	cg04744025	0.877698151173921	10	4.84579238454773	0.00186530678396197	0.770354044574119	0.0112308975471647
OV	FMR1	cg05288927	0.402657959392371	10	1.16385232211278	0.28261451088103	0.162133432262028	0.479840585989247
OV	FMR1	cg07147350	-0.152566105280556	571	-2.66489655036868	0.00812083442188449	0.0232764164804777	0.0363347439475517
OV	FMR1	cg08434396	-0.0596408841591595	586	-1.0451498527466	0.296778624835978	0.00355703506328628	0.49476299411451
OV	FMR1	cg14470409	0.325343070790102	10	0.910300817951795	0.392929340557177	0.105848113711133	0.589765485612677
OV	FMR1	cg16783314	0.370243044033018	10	1.05450984402886	0.326680856878948	0.137079911654835	0.526154957041074
OV	FMR1	cg22625568	-0.305789227151937	10	-0.84974572084108	0.423573449266631	0.0935070514421791	0.618621126276579
OV	FXR2	cg01807919	0.185114346463317	10	0.498380032882823	0.633491615107516	0.034267321266541	0.784106007950137
OV	FXR2	cg01933235	-0.524068409259723	10	-1.62803037824513	0.147543004018874	0.274647697584016	0.312291463640538
OV	FXR2	cg05529097	-0.192527889942993	586	-3.4320714972944	0.00068142223217607	0.0370669884059011	0.00487252733431636
OV	FXR2	cg05913233	-0.813880398180599	10	-3.70603253571891	0.00759439330169607	0.66240130254261	0.0345395049700172
OV	FXR2	cg09625173	-0.652666490625208	10	-2.27915773508287	0.0567066365559961	0.425973547985025	0.158031025765257
OV	FXR2	cg17777561	-0.803099750053645	10	-3.56603417117052	0.0091452977173331	0.644969208536228	0.0398147232985736
OV	FXR2	cg19178740	-0.245853596248637	10	-0.671064474177651	0.523697695744435	0.0604439907883878	0.702980492243374
OV	FXR2	cg22521096	-0.495478584948493	10	-1.50919030575391	0.174991489122768	0.245499028142561	0.350505623337795
OV	FXR2	cg26904212	-0.00350797269608757	586	-0.0613648376930461	0.95110871532369	1.23058724364959e-05	0.974102246315845

OV	G2E3	cg02259031	0.13710392056516	10	0.366201035088243	0.725032465946547	0.0187974850343378	0.844180035363175
OV	G2E3	cg05076167	-0.381125229515526	10	-1.09068364384459	0.31152614622277	0.145256440573262	0.510395757829095
OV	G2E3	cg07906495	-0.0481281297384849	586	-0.842875176821449	0.399956593932924	0.00231631687212444	0.596598203428029
OV	G2E3	cg08810065	-0.120992038059622	586	-2.13216022345205	0.0337897766789623	0.0146390732738211	0.107872697265397
OV	G2E3	cg09837748	-0.579231258687492	10	-1.87999377238129	0.102166814670502	0.335508851040697	0.241880920918989
OV	G2E3	cg18580322	0.0914724003609208	10	0.243032108092398	0.814948397618542	0.00836720002778857	0.900481367572335
OV	G2E3	cg18755078	-0.596686560147352	10	-1.96727056416592	0.0898518952903057	0.356034851060479	0.220572368009279
OV	G2E3	cg18956956	-0.578204337698047	10	-1.87498455442984	0.102921491900954	0.334320256132837	0.243164410390951
OV	G2E3	cg19554565	0.0450826385106079	10	0.119398847413596	0.908313813195429	0.00203244429507815	0.951364912458884
OV	G2E3	cg21061067	-0.689665614038347	10	-2.51983590827826	0.0398200893275686	0.47563865918689	0.122094464796171
OV	G2E3	cg22926526	-0.543570249561545	10	-1.71338329056268	0.13036644041855	0.2954686162084	0.286764883388585
OV	GADD45	cg01810953	0.592512903994342	10	1.94602503402104	0.0927087465233508	0.351071541399809	0.225647562480016
OV	GADD45	cg02639608	-0.0132440650035339	10	-0.035043575895442	0.973023355796627	0.000175405257817832	0.985813609261419
OV	GADD45	cg04718306	-0.0482639172168052	586	-0.845258787944746	0.398626785441842	0.00232940570511063	0.595216355982009
OV	GADD45	cg07000785	0.0574582750888855	586	1.00677259434813	0.314839504883926	0.00330145337619004	0.513913939506497
OV	GADD45	cg22224769	-0.0270678997857473	10	-0.0716411808697904	0.944891383889622	0.000732671198811256	0.970515979909022
OV	GADD45	cg23369529	-0.00440320423807453	10	-0.0116498963216222	0.991030010912613	1.93882075621975e-05	0.995204630536336
OV	GADD45	cg23723105	-0.398105354754717	10	-1.14819816852833	0.288606794933212	0.158487873484379	0.486139723822845
OV	GATAD2A	cg02887458	-0.702406486528594	10	-2.61092363959647	0.0348664544722819	0.493374872317444	0.110543300290039
OV	GATAD2A	cg08505228	-0.471489756221372	10	-1.41454235308439	0.200107448148654	0.222302590221689	0.383040742631244
OV	GATAD2A	cg08870822	0.32879037463378	10	0.921108500815077	0.387636719455272	0.108103110451822	0.585519741812135
OV	GATAD2A	cg09334331	-0.639313773562881	10	-2.199719263693	0.0637574306079505	0.40872210106721	0.172070964673544
OV	GATAD2A	cg11795262	-0.106852346877002	586	-1.87991538781942	0.0610695193898905	0.0114174240331231	0.166754727673469
OV	GATAD2A	cg14948912	0.538286646602608	10	1.68988742292055	0.134896649757833	0.289752513910681	0.293580696354929
OV	GATAD2A	cg15264323	0.872394795971207	10	4.72203476794261	0.00215243628572485	0.761072680037644	0.0125975495344327
OV	GATAD2A	cg22191731	-0.400511514877717	10	-1.1564590576876	0.285431626107223	0.160409473549644	0.482670086711794
OV	GATAD2A	cg26631329	-0.285566292028047	10	-0.788365763188542	0.456346465477045	0.081548107142648	0.646587050595382
OV	GATAD2E	cg02134200	0.829911857098036	10	3.93576250685384	0.0056338732463608	0.688753690551911	0.0272919568670149
OV	GATAD2E	cg02940454	0.0145832606834846	10	0.0385877845519709	0.970296489961233	0.000212671492162468	0.984298837253315
OV	GATAD2E	cg09805553	0.0443905592406234	10	0.117562266929161	0.909716661685756	0.00197052174969529	0.952077399838035
OV	GATAD2E	cg10226922	0.393280107515628	10	1.13171654353946	0.295028755767348	0.154669242967504	0.492901838178996
OV	GATAD2E	cg10489353	-0.0349212391132763	10	-0.0924493019999401	0.928931292773487	0.00121949294120662	0.962382823104569
OV	GATAD2E	cg15064304	-0.038201363864059	10	-0.101145138258864	0.922271400781445	0.00145934420107423	0.959199740001761
OV	GATAD2E	cg20773694	0.0480019227033596	10	0.127147720314505	0.902398860796306	0.00230418458321931	0.948395954888313
OV	GATAD2E	cg23046518	0.126415347835726	10	0.337168540999422	0.745873789170787	0.0159808401684275	0.857305246697864
OV	GATAD2E	cg23323627	0.680993115969783	10	2.46041715685584	0.0434387518702372	0.463751623998234	0.130117217781111
OV	GATAD2E	cg26398333	0.294999774944003	10	0.816847963009175	0.440925156498308	0.0870248672170125	0.633486423653126
OV	GLYR1	cg00636946	-0.822930678195649	10	-3.83226501036195	0.00643884106010678	0.677214901115551	0.0303173466547601
OV	GLYR1	cg00885266	-0.0162927478651573	10	-0.0431122815607604	0.966816028019657	0.000265453632997586	0.982553248729701
OV	GLYR1	cg01261535	-0.217526241477614	586	-3.89850695326592	0.000118975698136729	0.0473176657313773	0.00111890660793626
OV	GLYR1	cg01565912	0.119909313284577	10	0.319555866632654	0.758630745786873	0.0143782434123787	0.865515717625705
OV	GLYR1	cg02454264	0.59015487930662	10	1.93412894575055	0.0943470854849401	0.348282781569411	0.228428532203026
OV	GLYR1	cg06399529	-0.385035580922433	10	-1.10381025520063	0.306168980434059	0.148252398576276	0.504654876720837
OV	GLYR1	cg06976003	-0.75110665219702	10	-3.01014686100325	0.0196580566127624	0.564161202974615	0.0718511020547472
OV	GLYR1	cg11289281	0.082477747568212	10	0.218961631528066	0.832927286405396	0.0068025788439257	0.910399096841843
OV	GLYR1	cg15663121	0.0668085144338509	586	1.17128857637834	0.24239404129133	0.00446337760085806	0.434779047018001
OV	GLYR1	cg18354686	-0.24287213210437	10	-0.662413026524578	0.528904962635278	0.0589868725529225	0.707249130468206
OV	GTF2B	cg02705666	-0.127637642734584	586	-2.25115939644565	0.0250848695424109	0.0162913678428413	0.0864430715916861
OV	GTF2B	cg04270788	-0.0410997713407995	586	-0.719560363113394	0.472344915860389	0.001689191204266	0.660422141764106
OV	GTF2B	cg05306856	-0.293025288685391	10	-0.810865221137241	0.444133808562849	0.0858638198091565	0.636095054527396
OV	GTF2B	cg06356032	-0.016760331911564	10	-0.0443498997033216	0.965864123952037	0.000280908725785791	0.982059587364562
OV	GTF2B	cg07167781	-0.0337669426091265	10	-0.0893899086872553	0.93127587766291	0.00114020641316804	0.963679258269298
OV	GTF2B	cg10430205	-0.348337229755857	10	-0.98319168140663	0.358266938788637	0.121338825633985	0.557253188765834
OV	GTF2B	cg12074130	-0.514646809703303	10	-1.58808474286719	0.156290044215945	0.264861338737788	0.324657615480246
OV	GTF2B	cg13868361	-0.393746008505403	10	-1.13330305763058	0.294405516271944	0.155035919213937	0.492177391431203
OV	GTF2B	cg14010405	-0.302267490706626	10	-0.838968938247976	0.429203114157236	0.0913656359380803	0.623285926129326
OV	GTF2B	cg17811845	-0.316715053350564	10	-0.883427468956389	0.406321329700343	0.100308425018851	0.602634056331665

OV	GTF2B	cg22607980	0.294528017813624	10	0.815417489448288	0.441690861271015	0.0867467532772225	0.634234063564195
OV	GTF2H1	cg05849260	-0.55033328092465	10	-1.74388117423921	0.124701097574926	0.302866720093289	0.277917755822604
OV	GTF2H1	cg07583091	-0.409287696548546	10	-1.18683370449185	0.274004918993431	0.167516418546015	0.47043628849893
OV	GTF2H1	cg08690812	-0.44332721263562	10	-1.30855208732832	0.232009527743994	0.196539017463268	0.422619024875155
OV	GTF2H1	cg10797557	-0.296941462124293	10	-0.822742500113582	0.437779770512466	0.0881742319285127	0.63066829637355
OV	GTF2H1	cg11063328	-0.447748847742376	10	-1.32485566646139	0.226829099680619	0.200479030654626	0.416382273634764
OV	GTF2H1	cg11176342	-0.0663960390008139	10	-0.176055901281528	0.865235022095116	0.0044084339949976	0.928427886024186
OV	GTF2H1	cg11347316	0.306659677827814	10	0.852415270833348	0.422187120574324	0.0940401580054588	0.617280148438343
OV	GTF2H1	cg11662851	0.168603324685769	10	0.452561342157774	0.664557075113799	0.0284270810950949	0.805198160629892
OV	GTF2H1	cg13777411	0.163506775982632	586	2.89921749281054	0.00401154461620903	0.0267344657922345	0.020786924790073
OV	GTF2H1	cg14132868	-0.00849612555801491	10	-0.022479446678599	0.982692876252148	7.21841494975542e-05	0.99103708390256
OV	GTF2H1	cg17174493	0.528256683515714	10	1.64604987692444	0.143748622623423	0.279055123679021	0.306806231950577
OV	GTF2H1	cg18321761	0.380122157417135	10	1.08732753202036	0.312907920089077	0.144492854559457	0.511931834603779
OV	H2AFZ	cg02758870	-0.656533646947159	10	-2.30284007263774	0.0547614422073787	0.431036429573737	0.15417134977945
OV	H2AFZ	cg09308803	-0.687099140483309	10	-2.50204286139646	0.0408698755636271	0.472105228852903	0.124317931558037
OV	H2AFZ	cg16267491	-0.0240455315966791	586	-0.420746666916361	0.674235417858218	0.000578187589766892	0.81167840325687
OV	H2AFZ	cg17709884	-0.0103345886052581	586	-0.180791121870956	0.856651212645781	0.00010680372163993	0.923727554737902
OV	H2AFZ	cg20934652	0.182462928442415	10	0.490993978812641	0.63844839602709	0.0332927202557818	0.787359974010105
OV	H2AFZ	cg23752380	-0.520319291023462	10	-1.61203853126625	0.15098859484266	0.270732164611158	0.317108251591207
OV	H2AFZ	cg24061702	-0.289616958413041	10	-0.800564536629634	0.449696440211857	0.0838779826004209	0.640893693978357
OV	H3F3A	cg06319713	-0.320487147560101	10	-0.895145660797116	0.400441038422407	0.10271201175121	0.59694114519927
OV	H3F3A	cg10632229	-0.41701540226755	10	-1.2139066479122	0.264145190916484	0.173901845728367	0.459671088347638
OV	H3F3A	cg10983539	-0.700918258379406	10	-2.60003815472081	0.0354231964124646	0.49128640492962	0.111820814060675
OV	H3F3A	cg11978873	0.855401017096862	10	4.36935436108011	0.00327663373472788	0.731710900050345	0.0176708800526462
OV	H3F3A	cg15538837	0.141994902063993	586	2.50932231667635	0.012612761533893	0.020162552212163	0.0511359792978776
OV	H3F3A	cg15624314	0.378573811683676	10	1.08215582136058	0.315046881522384	0.143318130892708	0.514176920680408
OV	H3F3A	cg16724613	-0.436815795261425	10	-1.28475872073182	0.239754072130276	0.190808038989871	0.431675084677708
OV	H3F3A	cg16727519	-0.8097853706323	10	-3.65160213502094	0.00816058428852371	0.655752346490092	0.0364853157552536
OV	H3F3A	cg18947521	0.00429348909770299	586	0.0751060774269788	0.940179388821456	1.84340486320944e-05	0.968194476973066
OV	H3F3A	cg19410789	0.191779065734976	10	0.516996133058403	0.621087946747866	0.0367792100541802	0.775452842801943
OV	H3F3A	cg21266749	0.00119355714089385	10	0.00315785761965949	0.997568508245445	1.42457864857871e-06	0.998822257182302
OV	H3F3A	cg21789564	0.289957217431629	10	0.801591367205296	0.449139759454181	0.0840751879406928	0.640367619943525
OV	H3F3A	cg22519151	0.385365237056561	10	1.10492004549602	0.305719504224605	0.148506365931659	0.504276079376408
OV	H3F3A	cg27530209	-0.178730278337271	10	-0.480614673640385	0.645447532064695	0.0319445123945184	0.79218643994448
OV	H3F3A	cg27560444	-0.576630387589658	10	-1.86733293627219	0.104084725389022	0.3325026038918	0.245130998029594
OV	HAT1	cg00414306	-0.66061430256449	10	-2.32817615552973	0.0527553902831431	0.436411256752767	0.150001930982706
OV	HAT1	cg01583365	0.238808843087453	10	0.650654457094171	0.536033969081807	0.0570296635367677	0.712300814627711
OV	HAT1	cg04507121	-0.686308261340456	10	-2.49659572312527	0.0411969341532664	0.471019029584159	0.125054832250046
OV	HAT1	cg04950839	-0.180926344764083	10	-0.486718601996548	0.641326707401474	0.0327343422296918	0.789273229043774
OV	HAT1	cg05421799	-0.720292981256072	10	-2.74729510294509	0.0286153949903471	0.51882197884676	0.0952956351831792
OV	HAT1	cg09545452	-0.330175823492781	10	-0.925463628402892	0.385519080821236	0.109016074419136	0.58353973003112
OV	HAT1	cg10190161	-0.683414738000753	10	-2.47680862346667	0.0424078769310305	0.467055704116638	0.127785265001267
OV	HAT1	cg12941622	0.314267793087476	10	0.875849909258261	0.410157316863561	0.0987642457720729	0.606078692426229
OV	HAT1	cg13293756	-0.0163601348015665	10	-0.0432906419451222	0.966678839942498	0.000267654010725428	0.98245233097507
OV	HAT1	cg14446129	-0.464251638563184	10	-1.38680110867985	0.208058365012785	0.215529583908601	0.393181082636267
OV	HAT1	cg16017358	0.0586405251641728	586	1.02755850386873	0.304969111373015	0.00343871119152998	0.503464715999923
OV	HAT1	cg24611092	0.00224548523150728	575	0.0386980893147605	0.969157095621789	5.04220392491731e-06	0.983788602069516
OV	HDAC1	cg03762702	0.0953292679572804	10	0.25337144117939	0.807261514111142	0.00908766932927097	0.895621760560793
OV	HDAC1	cg04967775	0.414040422490199	10	1.20344714837533	0.267918473144082	0.171429471455863	0.463622134800695
OV	HDAC1	cg06473843	0.475585673718031	10	1.43040261336674	0.195684596803902	0.226181733045834	0.377509919994117
OV	HDAC1	cg10842753	-0.176184921691943	10	-0.473549176451546	0.650234242162627	0.031041126631596	0.795392720372352
OV	HDAC1	cg14172124	-0.280758746061812	10	-0.773947237076837	0.464293549300764	0.0788254734902009	0.653552860245062
OV	HDAC1	cg20002354	-0.0598378842661357	10	-0.158600355398533	0.878462406033364	0.00358057239344745	0.935421717494005
OV	HDAC1	cg20793809	-0.555414201453865	10	-1.76711648046621	0.12054305063859	0.308484935176634	0.271507465281981
OV	HDAC1	cg21930229	0.586571950459866	10	1.91619832486473	0.0968701533665529	0.344066653066291	0.232726497359489
OV	HDAC1	cg23018091	-0.152047761436765	10	-0.407012842545735	0.696156385934876	0.0231185217579313	0.825825186224519
OV	HDAC1	cg26115470	0.233144406173772	10	0.634322704293414	0.546033429680726	0.0543563141301207	0.719712045349662

OV	HDAC10	cg00711351	-0.174243659364556	10	-0.468167145339442	0.653892375136046	0.0303608528287515	0.798031123421015
OV	HDAC10	cg01120165	-0.173505587429543	586	-3.08185099013181	0.00224431339555648	0.0301041888692708	0.0130410902520108
OV	HDAC10	cg04321608	-0.223062841561023	10	-0.605423003031848	0.564002887475475	0.0497570312852779	0.733786678065811
OV	HDAC10	cg04586023	-0.203076456182821	586	-3.62798386236968	0.000334590904675784	0.0412400470557734	0.00267734672272659
OV	HDAC10	cg07482373	-0.114790349593239	10	-0.305727657221452	0.768703640346277	0.0131768243597381	0.871786970251448
OV	HDAC10	cg07744063	0.138162231361784	10	0.369082549942931	0.722977148144612	0.0190888021748672	0.843024626191757
OV	HDAC10	cg09151829	-0.234327573905521	10	-0.637728310646871	0.543938941267159	0.0549094118924476	0.718191558040709
OV	HDAC10	cg10508940	-0.443156191517275	10	-1.30792389863557	0.232211175903136	0.196387410080096	0.422821744644896
OV	HDAC10	cg11645658	-0.3725176976318	10	-1.06202860146762	0.323483362756216	0.138769435048897	0.522877840804876
OV	HDAC10	cg12464820	-0.165335739305037	10	-0.443541560158714	0.670759437620971	0.0273359066915431	0.809226671626691
OV	HDAC10	cg26943378	-0.0611165626919515	10	-0.16200206676296	0.875881257849967	0.00373523423527924	0.934340215710097
OV	HDAC11	cg01409735	-0.125223889615882	10	-0.333939875000082	0.748206084084619	0.0156810225305307	0.858760738654728
OV	HDAC11	cg01712016	-0.0985352538179046	586	-1.73209209581446	0.0842648623331738	0.00970919624495888	0.210672988184436
OV	HDAC11	cg02762546	-0.651464661368554	10	-2.27186138923704	0.0573199533449729	0.424406205012045	0.159243927238012
OV	HDAC11	cg02941903	-0.206769095892594	10	-0.559142811609196	0.593493613870287	0.0427534590162408	0.755489702639784
OV	HDAC11	cg05987698	-0.376330940446743	10	-1.07468307596084	0.318158290550949	0.14162497673753	0.517489371393081
OV	HDAC11	cg07450135	0.334848342136325	10	0.940201350984631	0.378417318027876	0.112123412231445	0.577012423580638
OV	HDAC11	cg08051076	0.895884379422274	10	5.33503304940154	0.00108153987431572	0.802608821292834	0.00716672171912412
OV	HDAC11	cg08448040	0.0851455669002465	586	1.49486769249852	0.135979492696903	0.00724976756276436	0.295172405124809
OV	HDAC11	cg10061496	0.01048115268974	576	0.180638836975067	0.856774268535778	0.000109854561705644	0.923796718407847
OV	HDAC11	cg10455785	0.625516867048647	10	2.12117340846046	0.0715973333083616	0.391271350962354	0.187435824047337
OV	HDAC11	cg11432034	0.136783211146225	10	0.365328076610724	0.725655608004818	0.0187096468514728	0.844604152864042
OV	HDAC11	cg13397067	0.628069230337196	10	2.13544823791148	0.0701039249242729	0.394470958096357	0.184575920924591
OV	HDAC11	cg13706066	0.112909349151445	10	0.300652644025947	0.772412612754438	0.0127485211258028	0.873819428156629
OV	HDAC11	cg16254764	-0.0775026979585589	586	-1.35983369680608	0.174883626241884	0.00600666819085561	0.350339366349919
OV	HDAC11	cg18521047	0.230375059049881	10	0.626363083527069	0.550947762466616	0.0530726678322363	0.723431628014177
OV	HDAC11	cg19779799	-0.360154952541845	10	-1.02142577132505	0.341049551174044	0.129711589840418	0.540314613555588
OV	HDAC11	cg20894727	-0.106547753538751	10	-0.283512730360563	0.784985661605059	0.0113524237841545	0.881187494536932
OV	HDAC11	cg20922324	-0.371556818251075	10	-1.05884976398054	0.32483216531223	0.138054469188862	0.524208616974235
OV	HDAC11	cg21655280	-0.169546135948837	10	-0.455166700585476	0.66277072991153	0.0287458922151816	0.80389647267199
OV	HDAC11	cg25127083	-0.0422538267086452	10	-0.111893048169223	0.914049178074568	0.00178538587152422	0.954617411651983
OV	HDAC11	cg25150878	0.00495488720668668	10	0.013109560250055	0.98990619318203	2.45509072309874e-05	0.994559762267891
OV	HDAC11	cg27025856	-0.121894959665952	586	-2.14479769490208	0.0327587773689966	0.0148583811919641	0.105398269537978
OV	HDAC2	cg00161229	-0.366254988940696	10	-1.04138042997678	0.332324610516396	0.134142716923949	0.532045081781875
OV	HDAC2	cg01129566	0.347661885320927	10	0.981023138932291	0.359263260282341	0.120868786504901	0.558222503253729
OV	HDAC2	cg08198132	-0.887743664136906	10	-5.10222562464587	0.00139604543236358	0.788088813215219	0.00885940132099842
OV	HDAC2	cg10999867	-0.2499300099859	10	-0.682926031511216	0.516610910857589	0.0624650053991552	0.697705447714581
OV	HDAC2	cg13393754	-0.584979903960148	10	-1.90828626085766	0.0980043254039024	0.342201488037225	0.234654165475707
OV	HDAC2	cg15005908	-0.301762333524605	10	-0.837426234903513	0.430013350784255	0.0910605059342147	0.62404756029867
OV	HDAC2	cg15242771	-0.767048225493473	10	-3.16311132394526	0.0158593622127452	0.588362980232686	0.0608995125118859
OV	HDAC2	cg18387216	0.0245127539963932	586	0.428926953218087	0.668278190648621	0.000600875108487693	0.807651089812676
OV	HDAC2	cg18674783	0.802204657588041	10	3.55487320443676	0.00928294240920952	0.643532312655947	0.0402524156624906
OV	HDAC2	cg22867643	-0.923262013447942	10	-6.35842510905752	0.000382136984775946	0.852412745475948	0.00299074090479476
OV	HDAC2	cg24023618	0.622057178523785	10	2.1020023445598	0.0736531094102577	0.386955133352973	0.191317572989468
OV	HDAC3	cg01947930	-0.498510834729283	10	-1.52146827428987	0.171952164401388	0.248513052342486	0.346299230543688
OV	HDAC3	cg01961137	-0.704445240350098	10	-2.62594577508583	0.0341130336626025	0.496243096651907	0.10865053595695
OV	HDAC3	cg04284814	-0.176281382682737	586	-3.13272381733635	0.00189956679627805	0.0310751258805374	0.0114050242609905
OV	HDAC3	cg08520975	0.181610161136668	10	0.488620789397677	0.640045277172578	0.0329822506280866	0.788500861375315
OV	HDAC3	cg10414058	0.0913117559630305	586	1.60400432962361	0.109744690757067	0.00833783677705204	0.254555265524786
OV	HDAC3	cg11064797	-0.0706678528412516	586	-1.23928087487207	0.216191156164366	0.0049939454251928	0.403450098907978
OV	HDAC3	cg11153694	0.770367962723222	10	3.196680436248	0.0151354541224032	0.593466797990327	0.0587812649392559
OV	HDAC3	cg12082871	-0.570058855312988	10	-1.83571918134224	0.109027288104926	0.324967098520754	0.253320257178024
OV	HDAC3	cg14098966	-0.452419695778513	10	-1.34221024435156	0.221425928729319	0.204683581128322	0.409801796154748
OV	HDAC3	cg17940889	-0.555051788805058	10	-1.76544976922087	0.12083685180221	0.308082488255695	0.271962448983108
OV	HDAC3	cg18671773	-0.796649191799224	10	-3.48707706363544	0.0101686718096633	0.634649934794357	0.043198241279712
OV	HDAC3	cg19549288	0.392897852492992	10	1.13041563603661	0.295540606105852	0.154368722493605	0.493459948304401
OV	HDAC3	cg20642138	-0.378084808971779	10	-1.08052468510766	0.315723937871321	0.142948122775227	0.514941907013622

OV	HDAC3	cg23421926	-0.652096365897923	10	-2.27569276788116	0.0569970610433046	0.425229670417278	0.158606477757756
OV	HDAC3	cg24385322	-0.074679683756669	586	-1.31001906234374	0.191171952564079	0.00557705516599609	0.371642823744159
OV	HDAC6	cg07153944	-0.376324021003772	10	-1.07466005610658	0.318167913256784	0.141619768784448	0.517490166086102
OV	HDAC6	cg07674520	-0.353274128074666	10	-0.99909743994294	0.35102421700995	0.124802609566916	0.549974017262514
OV	HDAC6	cg10783042	-0.186967498864508	586	-3.32930409084617	0.000977076956614789	0.0349568456316497	0.0065884306806701
OV	HDAC6	cg12510923	0.0728515648083142	10	0.193260656406716	0.852242839551234	0.00530735049502	0.921246952909648
OV	HDAC6	cg13178935	-0.180507265081548	10	-0.485553199482109	0.642112442532089	0.0325828727472204	0.789837697715851
OV	HDAC6	cg17152375	-0.317054476090953	10	-0.88447981667294	0.405790597557573	0.100523540809309	0.602133895633811
OV	HDAC6	cg24616736	-0.160597570947885	586	-2.84625460342156	0.00472249277519306	0.0257915797943609	0.0236974522965471
OV	HDAC6	cg26680189	-0.20817093394276	10	-0.563104759365647	0.590935276834692	0.0433351375102441	0.753767019704569
OV	HDAC9	cg00332048	0.0221937125478393	10	0.0587335107672644	0.954805894272959	0.000492560876656121	0.975983099086414
OV	HDAC9	cg02301805	0.41064672192274	10	1.19157229398097	0.272257204494017	0.168630730225893	0.468609179726941
OV	HDAC9	cg03260621	-0.0947723181250653	10	-0.25187769291566	0.808370669314007	0.00898179228279858	0.896315443745299
OV	HDAC9	cg07513622	-0.206358968407616	10	-0.557984369012565	0.594242825670729	0.0425840238422553	0.755923904508687
OV	HDAC9	cg08146609	-0.0957769958702802	10	-0.254572428566138	0.806370087665241	0.00917323293793568	0.895048525308581
OV	HDAC9	cg08285151	-0.27449894698659	586	-4.99358712947645	9.97447791580228e-07	0.0753496718967467	1.70614453602006e-05
OV	HDAC9	cg08725366	-0.108509734049469	10	-0.288794993921847	0.781103285902088	0.0117743623834865	0.879089717158936
OV	HDAC9	cg10068437	0.906228217578459	10	5.6710446708189	0.000757734429521831	0.82124958233543	0.00532302620644946
OV	HDAC9	cg11321459	-0.390079635269966	10	-1.12084585536832	0.299328300772063	0.152162121852349	0.497637378032224
OV	HDAC9	cg11765288	-0.240218857037203	10	-0.654730685764803	0.533555918957107	0.05770509927626	0.71061014465339
OV	HDAC9	cg12081743	-0.238365794873441	586	-4.29345538438876	2.36423375716902e-05	0.0568182521656474	0.000277285091067702
OV	HDAC9	cg16475478	0.0651950907323805	10	0.17285774523347	0.867655180853048	0.00425039985560332	0.929708826828891
OV	HDAC9	cg18856632	0.832666628110236	10	3.97820502972859	0.00533610554135961	0.693333713568471	0.0261145567743162
OV	HDAC9	cg19585556	-0.172067936901356	10	-0.462141774844623	0.657999913591455	0.0296073749094889	0.800928479134825
OV	HDAC9	cg20648975	0.651174294459165	10	2.27010302843998	0.0574687606383038	0.424027961764391	0.159543386092934
OV	HDAC9	cg21433125	0.226101171695492	10	0.614110587225444	0.558564455587704	0.0511217398420744	0.729590705832799
OV	HDAC9	cg23074799	0.0266956780542691	10	0.0706553062769894	0.945648298597049	0.000712659226777184	0.970938700936395
OV	HDAC9	cg23385718	0.639491091902007	10	2.20075140732186	0.0636603673911178	0.408948856622022	0.171862667296801
OV	HDAC9	cg24350771	0.320464189191412	10	0.895074196862569	0.400476708960864	0.102697296554109	0.59698172144215
OV	HDAC9	cg25620356	-0.512578850217798	10	-1.57942317405483	0.158249179579212	0.2627370776906	0.327358532198679
OV	HDGF	cg00692559	-0.135257238016153	10	-0.361176036043824	0.728622494174668	0.0182945204357582	0.846589092679946
OV	HDGF	cg00746981	0.0777629485180286	586	1.36442769069052	0.173435571908832	0.00604707616221756	0.348391740986109
OV	HDGF	cg01910231	-0.0582376387856426	10	-0.154344270232676	0.881694065439844	0.00339162257132698	0.93719992282546
OV	HDGF	cg02914429	0.202024964722313	10	0.545761208213181	0.602180219822678	0.0408140863710517	0.761612252205131
OV	HDGF	cg04402095	-0.514316114054771	10	-1.5866971155046	0.156602388116131	0.2645210651764	0.325115451032938
OV	HDGF	cg05762852	0.182099015293582	10	0.489981095139208	0.639129698314721	0.0331600513708924	0.787925387868967
OV	HDGF	cg05967123	0.495074118946403	10	1.50755812446186	0.175399197766522	0.245098383250557	0.351087229925351
OV	HDGF	cg06106793	0.0496767153585277	586	0.870061834671007	0.384948606744812	0.00246777604881218	0.583062867021785
OV	HDGF	cg06119628	-0.712240049767791	10	-2.68458964269465	0.0313302612552648	0.507285888493226	0.101970811818763
OV	HDGF	cg07313589	0.699400252041105	10	2.58900362948342	0.0359969892027193	0.489160712555161	0.113254376800753
OV	HDGF	cg07892339	0.337295558051242	10	0.947951242312132	0.374722618107252	0.113768293481099	0.573390467211557
OV	HDGF	cg08597205	0.191380039754316	10	0.5158795019913	0.621828288241804	0.0366263196163637	0.775978663065173
OV	HDGF	cg08708935	-0.339720412743472	10	-0.955651707719507	0.371078609589512	0.115409958834595	0.569794956541242
OV	HDGF	cg09063372	0.216106012712282	10	0.585600563444733	0.576528010831366	0.0467018087304009	0.74319646176535
OV	HDGF	cg09477492	-0.0175065027717999	10	-0.046324951985596	0.964345152657175	0.000306477639299039	0.98129845396746
OV	HDGF	cg11588596	-0.0387325488022588	10	-0.102553646667814	0.921193278387578	0.00150021033671936	0.958710890217957
OV	HDGF	cg12220178	-0.633299194071654	10	-2.16505607588661	0.0671050927483303	0.401067869211806	0.178761551390734
OV	HDGF	cg12421458	-0.0183680038959625	579	-0.320311129522284	0.74895253789031	0.000337383567122093	0.859338560384637
OV	HDGF	cg13170934	0.436007332282832	10	1.28182210038737	0.24072523625962	0.190102393804392	0.432813604270612
OV	HDGF	cg13235992	-0.271958087204931	10	-0.747715539397434	0.478992285221584	0.0739612011961647	0.666429263449724
OV	HDGF	cg14155849	-0.629376937626191	10	-2.14280594374142	0.0693463878524807	0.396115329615723	0.183095740449222
OV	HDGF	cg15503799	-0.0301383639407703	586	-0.527445650379861	0.598266356498279	0.000908320981026323	0.758809389044173
OV	HDGF	cg17170583	-0.429828347275446	10	-1.25950330546397	0.248217518339741	0.184752408121542	0.441519003583441
OV	HDGF	cg17218029	-0.625949067006357	10	-2.12358269042766	0.0713430652455361	0.391812234486128	0.186954055875136
OV	HDGF	cg17971171	0.0554245032559408	10	0.146865201467893	0.887378767289173	0.00307187556116779	0.940167567653065
OV	HDGF	cg18593717	0.466672887335216	10	1.39604085156663	0.205379493247501	0.217783583773787	0.389614886888739
OV	HDGF	cg19599803	0.0358989614939694	10	0.0950409855251991	0.926945731289939	0.0012887354363455	0.961476160017134

OV	HDGF	cg20284773	0.11432899813891	10	0.304482606650465	0.769612964096432	0.0130711198154468	0.872274130608936
OV	HDGF	cg23747104	-0.178277965887643	10	-0.479358404090501	0.646297318632039	0.0317830331210356	0.792588092650945
OV	HDGF	cg26431298	0.0549287380761491	10	0.145547517180132	0.888381062322009	0.00301716626663819	0.940742627168114
OV	HDGFL1	cg02685945	0.14164272947732	10	0.37856822121095	0.716228621949017	0.0200626628137852	0.838674496518738
OV	HDGFL1	cg03930485	0.170846224392186	10	0.458761468591033	0.660309863037558	0.029188432389065	0.802379376324254
OV	HDGFL1	cg05276066	0.169000857511261	10	0.453659725385927	0.663803690688019	0.0285612898395417	0.804661311290572
OV	HDGFL1	cg06566039	0.151394465956351	10	0.405222938617689	0.697411995696396	0.0229202843222087	0.826520654355526
OV	HDGFL1	cg08671671	0.152918124003423	10	0.409398317385739	0.694484573214418	0.0233839526487262	0.824873397081431
OV	HDGFL1	cg09081892	0.16300935827863	10	0.437129032765389	0.67518578454482	0.0265720508864108	0.812181514764964
OV	HDGFL1	cg11894257	0.0614309653774205	10	0.162838604806721	0.875246756866941	0.00377376350720183	0.93396461227319
OV	HDGFL1	cg15317945	0.180131451881306	10	0.484508347557757	0.642817318397925	0.0324473399568672	0.79024241822108
OV	HDGFL1	cg20209681	0.115335853537734	10	0.307200069090634	0.76762876688011	0.0133023591112775	0.871232836185625
OV	HDGFL1	cg21898884	-0.0373404991503883	10	-0.0988626213376491	0.924018891496707	0.00139431287680015	0.960016101674677
OV	HIST1H1	cg00667898	0.0902923330726168	10	0.239870857917392	0.81730307687145	0.00815270541169637	0.901785317024616
OV	HIST1H1	cg00700007	0.2175080101883	10	0.589587695774733	0.573995779313587	0.0473097344960735	0.741270454759847
OV	HIST1H1	cg03821311	-0.0759542988619067	586	-1.33250680107673	0.183685119708631	0.00576905551560385	0.361926959186799
OV	HIST1H1	cg04676561	-0.0193570626248693	581	-0.338119917398268	0.735505438946019	0.00037469587346311	0.850899858981718
OV	HIST1H1	cg07138603	-0.167786291754671	10	-0.450304593065705	0.666106290680795	0.0281522397007837	0.806246464669245
OV	HIST1H1	cg11206041	0.0937381858682955	10	0.249104765702751	0.810430906642192	0.00878684748987911	0.897678611924917
OV	HIST1H1	cg14334286	-0.398138474595072	10	-1.14831168447993	0.288562966870898	0.158514244952891	0.486108000102958
OV	HIST1H1	cg18798248	-0.100446203920598	10	-0.267106569631753	0.797085350924844	0.0100894398820585	0.888984656925211
OV	HIST1H1	cg23460835	0.0961850601020721	10	0.255667157727325	0.805557799607193	0.00925156578683923	0.894392650835685
OV	HIST1H1	cg00903962	0.0577204791788614	10	0.152969066038728	0.882738782642263	0.00333165371663737	0.937754507750965
OV	HIST1H1	cg04290376	-0.547708508006361	10	-1.73198733944943	0.126882100974593	0.299984609742554	0.281448095669286
OV	HIST1H1	cg07750111	-0.0162668333896577	586	-0.284591024217577	0.776149986436602	0.000264609868526881	0.876092611815588
OV	HIST1H1	cg08283682	-0.384007759210081	10	-1.10035326501105	0.307572534497559	0.147461959133548	0.506078541153855
OV	HIST1H1	cg10717387	-0.0584992947959299	10	-0.155040099850465	0.881165552622527	0.00342216749162111	0.937017551303592
OV	HIST1H1	cg12633985	-0.111956106081249	10	-0.29808201045947	0.774293753416152	0.0125341696888758	0.874929393396702
OV	HIST1H1	cg15022984	-0.0173010224270982	10	-0.0457810549978266	0.964763436870135	0.000299325377022954	0.981482219542014
OV	HIST1H1	cg16481032	0.263919694737355	10	0.723933177724147	0.492585075515004	0.0696536052702588	0.678050874679155
OV	HIST1H1	cg16482183	0.0742134454919304	10	0.196893277544955	0.84950579126502	0.00550763549178373	0.919758023794341
OV	HIST1H1	cg17691542	0.332120866010266	10	0.931589164422363	0.382555275900872	0.110304269639409	0.580881738987366
OV	HIST1H1	cg20855557	0.68211793637452	10	2.46801194207859	0.0429579391450957	0.465284879123834	0.128974949552452
OV	HIST1H1	cg21453677	0.132047562214418	576	2.2957696595253	0.0223855869772805	0.0174365586867706	0.0792331022025825
OV	HIST1H1	cg23407813	0.0172992450079629	10	0.0457763502768306	0.964767055089961	0.00029926387784553	0.981482219542014
OV	HIST1H3	cg00958605	-0.129913926765731	10	-0.346657771229406	0.739035647161254	0.0168776283676917	0.853018352990141
OV	HIST1H3	cg01043409	-0.337487571448684	10	-0.948560228223793	0.374433449941006	0.113897860882331	0.573112665205827
OV	HIST1H3	cg08041469	0.195431546641175	10	0.527229658413712	0.614324969077259	0.0381934894225618	0.770645284039028
OV	HIST1H3	cg08401836	0.431568175951932	10	1.26576540688471	0.246095432838836	0.186251090494478	0.439109798441809
OV	HIST1H3	cg10075390	0.441264934191843	10	1.3009888143885	0.234447465328158	0.194714742147332	0.425400152020776
OV	HIST1H3	cg15479139	-0.236461789632546	10	-0.643878990349424	0.540168643400672	0.0559141779562266	0.715448700854888
OV	HIST1H3	cg15797414	-0.0518544864851626	586	-0.908305035830699	0.364431868694597	0.00268888776863991	0.563397707700184
OV	HIST1H3	cg21209604	-0.390322915802217	10	-1.12167048719638	0.299000358092199	0.152351978600344	0.49729409196187
OV	HIST1H3	cg23099349	-0.0679760563170817	586	-1.19185215345677	0.234242741051746	0.00462074423242306	0.425187358191692
OV	HIST1H3	cg25701114	-0.539330630982098	10	-1.69450745089594	0.133994271584301	0.290877529515548	0.292183831248714
OV	HLTF	cg00906762	0.234201181773524	10	0.637364363355267	0.544162539184804	0.054850193544115	0.718365854079575
OV	HLTF	cg02059813	-0.136751160358209	586	-2.41485483293111	0.0163276859056841	0.0187008798593167	0.0622617565217171
OV	HLTF	cg02398045	-0.374852121437278	10	-1.06976803797178	0.320218164782128	0.140514112946028	0.519629424684002
OV	HLTF	cg02611507	-0.396190110300939	10	-1.1416428492693	0.291147107838231	0.15696660350027	0.488711032179606
OV	HLTF	cg02710346	-0.268396790897742	10	-0.737158657915051	0.484994913679698	0.0720368373642064	0.671633692587554
OV	HLTF	cg03678609	0.126597184568546	10	0.337661420247261	0.745517997946326	0.0160268471406824	0.857066413457218
OV	HLTF	cg04120413	-0.528482375185015	10	-1.647025583474	0.143545797757591	0.279293620881195	0.306495265999324
OV	HLTF	cg04731810	-0.240496911827171	10	-0.655535036267258	0.533067771994089	0.0578387645984063	0.710191023676328
OV	HLTF	cg04836786	-0.0562339314292073	513	-0.94246498849609	0.346767072034698	0.00316225504398479	0.546066725352471
OV	HLTF	cg05555455	-0.00266563274974273	10	-0.0070526263990569	0.994569649709051	7.105597956501e-06	0.997146022572473
OV	HLTF	cg07275648	-0.342568600485147	10	-0.9647240586293	0.366820051479585	0.117353246038352	0.565703187355741
OV	HLTF	cg09352720	0.158600325082813	10	0.424996252139395	0.683598326811638	0.0251540631163739	0.817755236712911

OV	HLTF	cg09392355	0.514199717802001	10	1.58620893588452	0.15671241100945	0.264401349787658	0.325239710331585
OV	HLTF	cg15438497	-0.0971917414116581	10	-0.258368376927095	0.80355460053911	0.00944623459863061	0.892986394787931
OV	HLTF	cg16724124	0.475268463632671	10	1.42917004621682	0.196025150929237	0.225880112523759	0.377951338142883
OV	HLTF	cg20117402	-0.128236933533529	10	-0.342107626098478	0.742311466288552	0.0164447111220828	0.855060681835638
OV	HLTF	cg21089667	-0.147006907544466	586	-2.59981641339026	0.00977973694080352	0.0216110308657873	0.0418599645432115
OV	HLTF	cg21111416	-0.152822843236475	10	-0.409137126051841	0.694667535333073	0.0233548214148803	0.824989943419603
OV	HLTF	cg21835021	0.0866655774527769	10	0.230161557122069	0.824547671082772	0.00751092231522328	0.90571943074487
OV	HLTF	cg21926402	0.366909294167052	10	1.04352994453059	0.331395375475514	0.134622430146164	0.531054501704407
OV	HLTF	cg24041269	0.491888401863488	10	1.49474765096666	0.178629368678465	0.241954199887817	0.355231296990529
OV	HLTF	cg24710191	0.681166146875037	10	2.46158334037856	0.0433645644707508	0.463987319648584	0.129965054838294
OV	HLTF	cg25951608	0.259910895276162	10	0.712133775168535	0.499422369304854	0.0675536734832561	0.683593979021762
OV	HLTF	cg26151310	-0.14751308363529	586	-2.60896690916953	0.00952768739990769	0.0217601098435921	0.04101128277477
OV	HLTF	cg27554556	-0.151712859003197	10	-0.406095206257472	0.696799976466552	0.0230167915869238	0.826191873999401
OV	IDH1	cg00707300	0.210967112665496	10	0.57101833332978	0.585843949790404	0.0445071226264159	0.750195786571327
OV	IDH1	cg01046174	-0.0733254078029701	586	-1.28613295783611	0.199368964846482	0.00537661542947186	0.382125486628245
OV	IDH1	cg02241586	-0.050607537376807	586	-0.886406173142971	0.376094780013438	0.00256112283934491	0.574634965752479
OV	IDH1	cg03448938	0.493232278687942	10	1.50014194188026	0.177262646257342	0.243278080739699	0.353507403495186
OV	IDH1	cg05268564	-0.434707896795243	10	-1.27711011865062	0.242290612550103	0.188970955536144	0.434673705987195
OV	IDH1	cg07129696	0.0727559401314923	10	0.193005632392762	0.852435073441091	0.00529342682441729	0.921330218339116
OV	IDH1	cg07915542	-0.0115589817135321	586	-0.202213108278855	0.839884498328175	0.00013361005825377	0.914239784277248
OV	IDH1	cg09406631	0.49671888022758	10	1.51420351513488	0.173744624070645	0.246729645974541	0.348779734841134
OV	IDH1	cg09615745	-0.432164449593339	10	-1.267915539084	0.245370399072654	0.186766111492313	0.438298202069635
OV	IDH1	cg10356455	0.382763343419273	10	1.09617419816236	0.309276213874867	0.1465077770655	0.507891450269809
OV	IDH1	cg14772913	-0.192501837314142	10	-0.519019409344145	0.619747685864463	0.0370569573693203	0.774476591828205
OV	IDH1	cg15399923	-0.203588420738172	10	-0.550166712580032	0.599312648238939	0.041448245058663	0.759566122368485
OV	IDH1	cg16085695	-0.471338595898104	10	-1.41395929588182	0.200271731680804	0.222160071983196	0.383242050878815
OV	IDH1	cg16863783	0.440230237138432	10	1.29720378950315	0.23567584522596	0.19380266169096	0.426941916109921
OV	IDH1	cg24324379	-0.0613521857744038	586	-1.07525050981622	0.283109661672206	0.00376409069929695	0.48043787400479
OV	IDH1	cg24830471	-0.374782078449864	10	-1.0695354776297	0.320315894085241	0.1404616063272	0.519734167576749
OV	IDH1	cg24987806	-0.156866777850767	10	-0.420233064318766	0.686914298576334	0.024607185993282	0.81979950514616
OV	IDH1	cg25795625	-0.0702315545197239	10	-0.186275193861766	0.857512240003997	0.00493247125025695	0.924188941460085
OV	IDH1	cg26105702	-0.235771382331898	10	-0.6418882039761	0.541387216886236	0.0555881447266938	0.716391854914915
OV	ING2	cg02075087	-0.594190180268137	10	-1.95453363970803	0.0915540661360892	0.353061970327082	0.223565729832096
OV	ING2	cg02552216	-0.431127497515614	10	-1.2641776535809	0.246632009276973	0.185870919114075	0.439815022228426
OV	ING2	cg10348863	-0.175235338377004	586	-3.11354367063418	0.00202335772104713	0.0307074238161031	0.0120074064040843
OV	ING2	cg17985608	0.295623477485383	10	0.818740173791357	0.43991372607592	0.0873932404405505	0.632522842738197
OV	ING3	cg01382559	-0.0795827341190668	10	-0.211226076429188	0.838728616760028	0.00633341156986608	0.913698406530171
OV	ING3	cg01416111	-0.684342899570238	10	-2.48313167077486	0.0420169775357393	0.4683252041922	0.126909021215069
OV	ING3	cg10268125	-0.550119990210578	10	-1.74291192026995	0.124877487741366	0.302632003629287	0.278207259124026
OV	ING3	cg14303833	-0.22457615823951	10	-0.609747731638434	0.561291697327171	0.0504344508496175	0.731789141796745
OV	ING3	cg16130600	0.448426362188263	10	1.32736449033759	0.226040945637423	0.2010862023054	0.415447098185973
OV	ING3	cg18485114	0.13290844118927	10	0.354790268335567	0.733195248675028	0.0176646537393617	0.84944985880434
OV	ING3	cg19478983	0.582738307832068	10	1.89720287484035	0.0996148976238286	0.339583935414982	0.237618169004634
OV	ING3	cg19960827	-0.538077285640952	10	-1.68896224165555	0.135078043506216	0.289527165322734	0.293813866108397
OV	ING3	cg20553930	-0.422871687288363	10	-1.23463495780823	0.256799979271882	0.178820463910107	0.451112060234319
OV	ING3	cg24859794	-0.112335834041088	10	-0.299105931718897	0.773544271650117	0.0126193396097069	0.874425711921841
OV	ING4	cg00369908	0.806135644764832	10	3.60439999424587	0.00868873172621884	0.649854677760412	0.0382508740823648
OV	ING4	cg00443163	-0.578407127617043	10	-1.87597268002067	0.102772195773275	0.334554805278198	0.24291496363097
OV	ING4	cg00591160	-0.736871061579486	10	-2.88384838934812	0.0235219370465524	0.542978961393279	0.0823336589696063
OV	ING4	cg03930474	-0.135871876623783	586	-2.399034777739	0.0170364227782461	0.0184611668572685	0.0643427261681172
OV	ING4	cg04375284	-0.801520861108577	10	-3.54639224742411	0.0093890330404346	0.642435690792234	0.0405715956422579
OV	ING4	cg08733494	-0.791251556870987	10	-3.42352642626153	0.0110821929391361	0.62607902625076	0.0461994597024356
OV	ING4	cg12392916	-0.761978562497626	10	-3.11303086135254	0.0170088520490734	0.580611329705949	0.0642703267256295
OV	ING4	cg18123790	0.535559266778401	10	1.67786925311115	0.13727097003536	0.286823728232219	0.297202287375525
OV	ING4	cg23354319	-0.812293467119488	10	-3.68474997013023	0.00781053430126943	0.659820676724999	0.0352869788718124
OV	ING4	cg27116036	-0.858761668811289	10	-4.43438634845226	0.00302815950201198	0.73747160381955	0.0165907909218621
OV	INO80	cg00734724	0.4715437348889192	10	1.41475059901497	0.200048801478078	0.222353493913248	0.382994449529595

OV	INO80	cg06380007	-0.0149685851937769	58e-06	-0.261872639640933	0.793595821908442	0.000224058542703356	0.886898338881559
OV	INO80	cg12580230	-0.0272460289095071	10	-0.0721129880753755	0.944529170914606	0.000742346091337694	0.970330013006246
OV	INO80	cg18952654	0.490520581760271	10	1.48927172407273	0.18002657406999	0.240610441130435	0.35709700153499
OV	INO80	cg21007089	-0.75423248660223	10	-3.03912415363132	0.018870202104894	0.568866643846183	0.0696389232707838
OV	INO80	cg21598047	0.732783593350368	10	2.84918752228752	0.0247171776196336	0.536971794683478	0.0854681179038013
OV	INO80	cg22835709	-0.576401645603278	10	-1.86622352683016	0.104254438125065	0.332238857054166	0.245404392250941
OV	INO80	cg26409855	0.322442465250699	10	0.90123857054515	0.397408424480621	0.103969143396948	0.594001402079763
OV	INO80	cg27441689	-0.60717397992727	10	-2.02176466559306	0.0829141771287482	0.368660241900721	0.208206116706063
OV	INTS12	cg00093890	-0.232231806833002	10	-0.631697932630661	0.547651036708841	0.0539316121049207	0.720915862898752
OV	INTS12	cg01852585	0.0621697010975281	10	0.164804366880545	0.873756145322475	0.00386507173455599	0.933163160380612
OV	INTS12	cg03607115	-0.0979869436673102	10	-0.260502701742904	0.80197292320432	0.00960144112926063	0.891929455992406
OV	INTS12	cg19703969	0.250935308503681	10	0.685857205347013	0.514869078473884	0.0629685290538378	0.696379206038145
OV	INTS12	cg26533745	-0.617043760614382	10	-2.0745768329943	0.0766967688941436	0.380743002513139	0.197045853347127
OV	IWS1	cg02372421	-0.249409905635128	10	-0.681410515516597	0.517512964214828	0.0622053010289234	0.698402179630342
OV	IWS1	cg02592214	-0.495915130251876	10	-1.51095339985714	0.174552051172952	0.245931816412735	0.349922750836176
OV	IWS1	cg10180764	-0.627979220415924	10	-2.13494290669748	0.0701562559544084	0.394357901274192	0.184676201255955
OV	IWS1	cg10488833	-0.248878125970148	10	-0.679861602495675	0.518435928085283	0.061940321586413	0.699271873733728
OV	IWS1	cg15239145	-0.17003932658471	10	-0.456530092401916	0.661836866140183	0.0289133725853815	0.803203287955281
OV	IWS1	cg17144508	0.436643210670427	10	1.28413151066466	0.239961211263172	0.190657293424579	0.431909082830272
OV	IWS1	cg18451256	0.291992007658405	10	0.80773888494514	0.445817005620241	0.0852593325363862	0.63773400024311
OV	IWS1	cg18530950	-0.140865832619539	10	-0.376449655617999	0.71773353332649	0.019843182799596	0.839705274033762
OV	IWS1	cg19311602	0.0365949587336224	58e-06	0.640579404697824	0.522275384329188	0.00133919100471553	0.702116662682649
OV	IWS1	cg19409088	-0.403065292656459	10	-1.16525793002529	0.282081538734271	0.162461630144237	0.479205363795643
OV	IWS1	cg21581038	-0.0242588378486534	10	-0.0642017459047919	0.950604530811157	0.00058849121376726	0.973895512856519
OV	IWS1	cg21679674	-0.462945164578445	10	-1.38183195897303	0.209511850858826	0.214318225406563	0.394997090025241
OV	IWS1	cg22409775	-0.64297021482677	10	-2.22112400373873	0.0617747034997088	0.413410697154383	0.168166452684053
OV	IWS1	cg23570261	-0.169955019694108	58e-06	-3.01688887205959	0.00276820540687176	0.0288847087192248	0.015442794652003
OV	IWS1	cg23623107	0.105409865701177	10	0.280450720235248	0.787239205330788	0.0111112397871402	0.882800033723542
OV	JADE1	cg09863040	-0.536484075101391	9	-1.68193610528809	0.136463141011767	0.287815162837395	0.295949753055934
OV	JADE1	cg12832492	-0.38883230193417	9	-1.11662219420941	0.301012591276969	0.151190559027426	0.499370343671775
OV	JADE1	cg14617908	0.40364275663276	9	1.16725203501278	0.281326855185277	0.162927474982093	0.478530610808714
OV	JADE1	cg15389440	0.628298713856313	9	2.13673723865519	0.0699706155881933	0.394759273833497	0.184343472943237
OV	JADE1	cg15836763	0.0568971125142408	9	0.150779866301436	0.884402392826455	0.00323728141245818	0.938714471334796
OV	JADE1	cg20039387	0.802999086128556	9	3.56477560646497	0.00916070819921113	0.644807532323295	0.0398661967805678
OV	JADE1	cg22922695	0.366433752070006	9	1.04196752279538	0.332070605834694	0.134273694656103	0.531758844708098
OV	JADE1	cg26766900	-0.0176751145878774	9	-0.0467712640625097	0.964001925149793	0.000312409675694596	0.981085403395783
OV	JADE2	cg04590931	-0.237045997217168	30e-06	-4.26826364437766	2.63068020334542e-05	0.0561908047966817	0.00030399752783579
OV	JADE2	cg04842522	0.126949027575692	9	0.338615209859292	0.744829681806788	0.0161160556024137	0.856654892391627
OV	JADE2	cg17378563	-0.470485400173716	9	-1.41067134055635	0.201200409918627	0.221356511776621	0.384439853698909
OV	JADE2	cg18145011	-0.541168563478256	9	-1.7026678149804	0.13241432350392	0.292863414097119	0.289786476570848
OV	JADE2	cg21194015	0.402471781300029	9	1.16321014173533	0.282858288010063	0.161983534742818	0.480095074779745
OV	JADE2	cg25669900	-0.499364854596031	9	-1.52493967136681	0.171101641246266	0.249365258005715	0.345182955780814
OV	JADE2	cg26133206	-0.338602717762373	9	-0.952099649773621	0.372756153896901	0.114651800476065	0.571392950468089
OV	JADE3	cg10860619	-0.0923460624244621	9	-0.245373202049228	0.813205936854476	0.00852779524530266	0.899407754722299
OV	JADE3	cg17843048	-0.178874764285567	30e-06	-3.18032316389763	0.00162192989878581	0.031996181298217	0.0100275303620872
OV	JADE3	cg19194595	-0.187116280366644	30e-06	-3.33204950794423	0.000967825788822205	0.0350125023782483	0.00653397894781173
OV	JARID2	cg01769037	-0.231197646771603	58e-06	-4.15693163558154	4.19186436712722e-05	0.0534523518727267	0.000455718848144178
OV	JARID2	cg03223185	0.795593946356494	10	3.47447784585602	0.010343114295525	0.632969727479099	0.0437585508759014
OV	JARID2	cg05197191	-0.970812791111757	10	-10.7094098784866	1.35932215293938e-05	0.9424774753862	0.000171111824540074
OV	JARID2	cg06047828	-0.708355450221657	10	-2.65512033336602	0.0326978042837237	0.501767443858727	0.105250454586561
OV	JARID2	cg14862454	0.627902887969765	10	2.13451447404549	0.0702006541529606	0.394262036720771	0.184749312894973
OV	JARID2	cg15109221	0.672652967663496	10	2.40509898961018	0.0471119196606434	0.452462014906509	0.138151633234577
OV	JARID2	cg21397480	-0.145941934126244	10	-0.390304997613851	0.707916108618987	0.0212990481365089	0.833510967716594
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OV	JMJD6	cg02318866	-0.357321762142032	10	-1.01220920818644	0.345139643824981	0.127678841700287	0.544377629693049
OV	JMJD6	cg04510639	-0.355264660681968	10	-1.00553741353334	0.348124268737113	0.126212979129474	0.547342900263444

OV	JMJD6	cg07312083	-0.575949603136655	10	-1.86403303061404	0.10459031932439	0.331717945353271	0.245964307784812
OV	JMJD6	cg08857478	0.164587785442744	10	0.441479046590299	0.672181602491819	0.0270891391169468	0.810208946007168
OV	JMJD6	cg10712116	-0.282394023143306	10	-0.778844494712111	0.461583769532128	0.0797463843070622	0.651151319514321
OV	JMJD6	cg12504415	-0.374212384892907	10	-1.06764474244279	0.3211111328094583	0.140034909007237	0.520530281034545
OV	JMJD6	cg15457598	0.412182964339013	10	1.19694030136033	0.270288639678606	0.169894796091296	0.466371699311483
OV	JMJD6	cg21102709	-0.229440757380098	10	-0.62368136419557	0.552609472724428	0.0526430611471529	0.724865731512584
OV	JMJD6	cg21807925	-0.404473057380509	10	-1.17012216069731	0.280243581475809	0.163598454146737	0.477469758592402
OV	JMJD6	cg23630158	-0.500651248972312	10	-1.5301797592524	0.169825068006474	0.250651673097536	0.343468435212143
OV	JMJD6	cg25004679	0.163587693672736	10	0.438722474711042	0.674084589814654	0.0267609335211648	0.811597303639224
OV	JMJD6	cg25908504	-0.561425194003574	10	-1.79497534016515	0.115732294955919	0.315198248461951	0.264018009847242
OV	JMJD6	cg26612088	-0.485475064453048	10	-1.46919706333857	0.185233973265231	0.235686038205691	0.36388201601463
OV	JMJD8	cg00873473	0.179279839584348	10	0.482141469296626	0.644415515780066	0.0321412608813895	0.791406750881592
OV	JMJD8	cg02851105	-0.269961709876306	10	-0.741793557480315	0.482353378751234	0.072879324799339	0.669357808536808
OV	JMJD8	cg03899598	-0.267822401739525	10	-0.735459041105212	0.485965967755017	0.0717288388735274	0.672520197068679
OV	JMJD8	cg05787952	0.273301212438598	10	0.751705597592494	0.476736537363113	0.0746935527204079	0.664455392497242
OV	JMJD8	cg06191810	-0.494456945076288	10	-1.50507008334414	0.176022362325445	0.244487670534175	0.351863803858099
OV	JMJD8	cg06646636	0.484749032392055	10	1.46632431893057	0.185990223936042	0.234981624405034	0.364823340329044
OV	JMJD8	cg08398290	-0.373299589722247	10	-1.06461822855249	0.322387873751892	0.139352583686798	0.521785143163554
OV	JMJD8	cg26750188	0.0136808842121583	10	0.0361996051777519	0.972133878193685	0.000187166592826481	0.985280407006612
OV	JMJD8	cg27579097	0.484551050480722	10	1.46554163750132	0.186196748381204	0.234789720521972	0.365109516385636
OV	KAT2B	cg00770008	-0.3026886255902	10	-0.840255639780433	0.42852816349272	0.0916204040616842	0.622700985332349
OV	KAT2B	cg04371528	0.18848467881174	10	0.507785059281603	0.62720901590995	0.0355264741467649	0.779629275125008
OV	KAT2B	cg05072819	-0.411493138687759	10	-1.19452836573513	0.271171666586872	0.169326603187103	0.467488932559944
OV	KAT2B	cg12062464	-0.179854710854915	572	-3.18261033721915	0.001611112800813	0.0323477170167051	0.00997412933522575
OV	KAT2B	cg14937543	-0.579042499458732	10	-1.87907201578716	0.102305279640791	0.335290216179416	0.242145841407794
OV	KAT2B	cg18053505	-0.262440250459111	586	-4.75759135511793	3.02408223219106e-06	0.0688748850610408	4.54594294313329e-05
OV	KAT5	cg00582417	-0.646904449531602	10	-2.24444431233932	0.0596852677844522	0.418485366823785	0.164061823846093
OV	KAT5	cg02561205	-0.50364168999981	10	-1.5424136668784	0.166878611479286	0.253654951905865	0.339500371385746
OV	KAT5	cg05785768	-0.685657395719109	10	-2.49212548382243	0.0414673535974308	0.470126064304311	0.125663640129271
OV	KAT5	cg07564927	-0.683864367739434	10	-2.47986887559131	0.0422182223066721	0.467670473463656	0.127363570253432
OV	KAT5	cg14726348	-0.60892532308089	10	-2.03102497599314	0.0817889817034759	0.370790049089166	0.206205990492617
OV	KAT5	cg18896539	0.092407341811865	586	1.62341441741599	0.105530520956521	0.00853911682073486	0.24753185030729
OV	KAT5	cg20108992	0.395270391854903	10	1.13850121587237	0.292371063876866	0.156238682677128	0.490092752337627
OV	KAT5	cg20423942	-0.58969044297058	10	-1.93179488249755	0.0946718441401406	0.347734818530839	0.229015250568678
OV	KAT5	cg22048492	0.00719541057182587	586	0.125871537198396	0.899916272926967	5.17739332971435e-05	0.947258497768524
OV	KAT6A	cg10163397	-0.0728910213371063	10	-0.193365885642224	0.852163522216918	0.00531310099156648	0.921199614353606
OV	KAT6A	cg12468056	-0.0432940269602163	586	-0.758046930095321	0.449006290167915	0.00187437277043193	0.640247128061616
OV	KAT6A	cg15251374	-0.0910047703577966	10	-0.241779264053471	0.815881343456594	0.00828186822787529	0.900888659651445
OV	KAT6A	cg20966972	0.231002417805477	586	4.15322346083122	4.25669763947139e-05	0.0533621170319761	0.000461913148507515
OV	KAT6B	cg04396765	-0.215044775513139	10	-0.582585045608732	0.57844745394874	0.0462442554754962	0.744708258572274
OV	KAT6B	cg06972998	0.427522562995085	10	1.25123067267716	0.251044934583668	0.182775541869886	0.444677466267489
OV	KAT6B	cg09631472	-0.345916448226472	10	-0.975426541764912	0.361844430233809	0.119658189153618	0.560765879230426
OV	KAT6B	cg10359932	0.332892469963472	10	0.934022875613013	0.381382499242152	0.110817396558381	0.579817669455618
OV	KAT6B	cg10739686	-0.297281625257287	10	-0.823776309974212	0.437229752801831	0.0883763647156141	0.630150225274443
OV	KAT6B	cg11128436	0.263205291608692	10	0.721827492396347	0.493800715491467	0.0692770255308164	0.679089465085264
OV	KAT6B	cg11348552	0.453957412273603	10	1.34795387250383	0.219662713911328	0.206077332158146	0.40768301283562
OV	KAT6B	cg15874302	-0.160741003658921	10	-0.43088366479748	0.679510037118282	0.0258376702572771	0.815107679796672
OV	KAT6B	cg15912797	-0.294666082684392	10	-0.815836065508166	0.441466709072922	0.0868281002845648	0.634037043904103
OV	KAT6B	cg17147776	-0.309822451939085	10	-0.862135002562661	0.417167117557826	0.0959899517255468	0.612657845675813
OV	KAT6B	cg18462764	-0.0982087772384752	10	-0.261098193288075	0.801531801401177	0.00964496392667644	0.891732069477343
OV	KAT6B	cg18491775	-0.189768355307748	10	-0.511372072491198	0.624821542964817	0.0360120286762078	0.7778547762551
OV	KAT6B	cg24671245	-0.266759473761518	10	-0.732316064765988	0.487765060639316	0.0711606168415218	0.673985812271102
OV	KAT6B	cg26605858	0.722590880499726	10	2.76560439967876	0.0278700048683585	0.522137580581369	0.0934637911874067
OV	KDM1A	cg00062312	0.294989279518827	10	0.816816131412401	0.44094218518643	0.0870186750310367	0.633486423653126
OV	KDM1A	cg00541565	0.0787087790500457	10	0.208891910814156	0.840481272588264	0.00619507189954891	0.914543879482633
OV	KDM1A	cg04886391	-0.715658632284412	10	-2.71093728187025	0.0301581115747617	0.512167277963195	0.0991011291647805
OV	KDM1A	cg06958034	0.0793997738763269	586	1.39332772461996	0.164531949643937	0.00630432409161184	0.336161984677863

OV	KDM1A	cg07118078	-0.137976238113784	10	-0.368576043933866	0.72333825018399	0.0190374422840317	0.843256894618892
OV	KDM1A	cg07785945	0.252559064050179	10	0.690596594806943	0.512060652363625	0.0637860808339025	0.693945480976515
OV	KDM1A	cg10499166	-0.147028733730369	10	-0.393275496041946	0.705818964872355	0.0216174485423558	0.832224083077389
OV	KDM1A	cg12578844	-0.0241152529295249	10	-0.0638215223108668	0.950896611989148	0.000581545423854959	0.974086158292958
OV	KDM1A	cg22683154	0.14482112750441	10	0.387243061603887	0.710080654550005	0.0209731589716485	0.834891001188101
OV	KDM1A	cg26662347	0.908241655671896	10	5.74263172996444	0.000703725342032685	0.824902905097626	0.00500874741611077
OV	KDM1B	cg11007366	-0.15113505605635	10	-0.404512356290828	0.697910748392336	0.022841805169156	0.826728359955793
OV	KDM1B	cg15124342	-0.754960738545595	10	-3.04594352625119	0.0186897106342109	0.569965716745311	0.0690857109899444
OV	KDM1B	cg20677365	-0.74837865150613	10	-2.98523771629644	0.0203632066007661	0.560070606030133	0.0738283680989887
OV	KDM1B	cg22406543	0.360757903796652	10	1.02339138923317	0.340182191510215	0.130146265151754	0.539423836248383
OV	KDM1B	cg23073439	-0.747609839992792	10	-2.97828036793067	0.0205649161511323	0.558920472854048	0.07440018076832
OV	KDM1B	cg23860886	0.0632395376398791	10	0.167651665018225	0.871598052903612	0.00399923912090569	0.931900754914563
OV	KDM1B	cg24342628	-0.0316868267356514	586	-0.554571567281857	0.57959283835806	0.00100405498857519	0.745580248343172
OV	KDM2A	cg05038268	-0.76092861000021	10	-3.10283195387474	0.0172536516680444	0.579012349516852	0.0650022072673664
OV	KDM2A	cg05295919	-0.68580996737626	10	-2.49317235367434	0.0414038613095558	0.470335311352627	0.125515236018844
OV	KDM2A	cg06320126	-0.455631183305918	10	-1.35422293414072	0.217752284357785	0.207599775200751	0.405297665071527
OV	KDM2A	cg07283932	-0.601231938464145	10	-1.99069056183873	0.0868028290109961	0.361479843829353	0.215289208172869
OV	KDM2A	cg08836144	-0.681429687468123	10	-2.46336101475056	0.043251727457828	0.464346418962904	0.129691831863023
OV	KDM2A	cg09993857	-0.44558073909415	10	-1.31684633155574	0.229361320347779	0.198542195051689	0.419409410599513
OV	KDM2A	cg11637544	0.62749471126369	10	2.13222521688862	0.0704383652962504	0.393749612663902	0.185211998575559
OV	KDM2A	cg16004548	-0.779852872436875	10	-3.29619679382712	0.0131895486397334	0.608170502648046	0.0529165651198949
OV	KDM2A	cg18132081	-0.320605129195502	10	-0.895512937268205	0.40025775280396	0.102787648866465	0.59682741982656
OV	KDM2A	cg21293464	-0.747215138788649	10	-2.97471908359457	0.0206689840802177	0.55833046363494	0.0746863740785201
OV	KDM2A	cg21711868	-0.165648537393403	10	-0.44440434686574	0.670164948878271	0.0274394379405737	0.808918728208475
OV	KDM2A	cg25597833	-0.738711486990817	10	-2.89967919169915	0.0229964500900506	0.545694661012184	0.0809084539564983
OV	KDM2B	cg03486832	-0.160727498418379	10	-0.430846502470974	0.679535807044414	0.0258333287478299	0.815107679796672
OV	KDM2B	cg05067991	-0.403160931318758	10	-1.16558807556283	0.281956476725991	0.162538736541808	0.479055674108846
OV	KDM2B	cg07020001	0.143953143692603	10	0.384872860028211	0.711758173147889	0.0207225075789831	0.835958018628342
OV	KDM2B	cg07529210	0.157787716337104	10	0.422762985561277	0.685152125850961	0.0248969634268786	0.818820225739984
OV	KDM2B	cg07793808	0.170254629103251	10	0.45712539220681	0.661429313983611	0.0289866387310857	0.803046930191822
OV	KDM2B	cg09151742	0.179778740739607	10	0.483527924457417	0.643479088367308	0.0323203956219188	0.790736297152792
OV	KDM2B	cg12251659	-0.335053917199231	10	-0.940851542151493	0.378106291201723	0.112261127430549	0.576730340334631
OV	KDM2B	cg12888660	0.0314473424108908	10	0.083243018576169	0.935988772573979	0.000988935344707812	0.965860754677403
OV	KDM2B	cg15234492	0.198132679246719	10	0.534812338421539	0.609339608727868	0.0392565585854834	0.766864553683239
OV	KDM2B	cg15316703	-0.475931060850084	10	-1.43174548670437	0.195314169357898	0.226510374681886	0.377009871036263
OV	KDM2B	cg16837338	0.164201349577391	10	0.440413740724782	0.672916727299318	0.0269620832030366	0.810755852489207
OV	KDM2B	cg17452615	0.223064899659581	10	0.605428881491017	0.563999196999291	0.0497579494601389	0.733786678065811
OV	KDM2B	cg20055546	-0.330283797336243	10	-0.925803323162404	0.385354272215066	0.109087386782849	0.583405046348312
OV	KDM2B	cg21249371	0.246486327095977	10	0.67290309418699	0.522595202664221	0.0607555094452649	0.702312630338149
OV	KDM2B	cg21781916	-0.00767503884228251	10	-0.020306842187918	0.98436530676305	5.89062212305452e-05	0.991822315761986
OV	KDM2B	cg26218726	-0.136872503025126	10	-0.365571113835575	0.725482098859783	0.0187340820843632	0.844515919715962
OV	KDM2B	cg26509318	-0.0767079412042151	10	-0.20354987428964	0.844496086742026	0.00588410824378932	0.916911773510247
OV	KDM3A	cg01744130	-0.151913319143406	10	-0.406644451986771	0.696414726981489	0.0230776565331663	0.825942727548221
OV	KDM3A	cg02152982	0.0328793544812985	10	0.0870376540604241	0.933079041580897	0.00108105195110688	0.964431687514041
OV	KDM3A	cg02972551	0.0317059910376517	586	0.554907311488295	0.579363442753518	0.00100526986767965	0.745406427942895
OV	KDM3A	cg03037033	-0.234806640645507	10	-0.63910809851773	0.543091751579459	0.0551341584912283	0.717521524890203
OV	KDM3A	cg04793821	-0.806199893086632	10	-3.60522060025086	0.00867923984923568	0.649958267612896	0.0382307222032411
OV	KDM3A	cg07052513	-0.583585025125476	10	-1.90138164308711	0.0990046573357696	0.340571481550703	0.236546938353159
OV	KDM3A	cg07211384	-0.622897008489695	10	-2.10663743085205	0.0731507364378848	0.388000683185411	0.190425926597805
OV	KDM3A	cg12888358	-0.179237693308657	10	-0.482024361671272	0.644494643330249	0.0321261507026082	0.791466443821957
OV	KDM3A	cg18611949	-0.453173745980959	10	-1.34502485973205	0.220560334798005	0.205366444046414	0.408763833744901
OV	KDM3A	cg19139691	-0.585192338741824	10	-1.90934006140557	0.0978525215515087	0.342450073322125	0.234420566673177
OV	KDM3A	cg20191795	0.472973901395352	10	1.42027554767274	0.198498452223033	0.22370431140114	0.381124115922848
OV	KDM3A	cg20918903	-0.162606660283708	586	-2.88282240609376	0.00422043074942089	0.0264409259686214	0.0216715636779174
OV	KDM3A	cg22404242	0.155317223287255	10	0.415978796818261	0.689882241317262	0.0241234398496629	0.821753163084291
OV	KDM3A	cg24749656	-0.382147081450436	10	-1.09410722358107	0.31012167623092	0.146036391861086	0.508903868220055
OV	KDM3B	cg00435490	0.738651392529024	10	2.89916003548023	0.0230134850156153	0.545605879685067	0.080947282782691

OV	KDM3B	cg03315484	-0.729988148826962	10	-2.82586787520638	0.0255572012610915	0.532882697427815	0.0876081884036536
OV	KDM3B	cg05191700	-0.699950897200346	10	-2.59299834632257	0.0357881587892861	0.48993125849157	0.112721325756254
OV	KDM3B	cg05708550	0.554033288481564	10	1.76077352504093	0.121664819585403	0.306952884745696	0.273264608350469
OV	KDM3B	cg05722427	0.700337420000811	10	2.5958078321007	0.035642041730435	0.490472501853393	0.112370293591792
OV	KDM3B	cg15001364	-0.4745738386566	10	-1.42647348983248	0.196772053250803	0.225220328337261	0.378915471151295
OV	KDM3B	cg18682923	0.688391561789324	10	2.51098065503479	0.0403390225602201	0.473882942342744	0.123165505751786
OV	KDM3B	cg19076659	0.727870772561108	10	2.80840719605266	0.0262058046395396	0.529795861548704	0.0892596486740519
OV	KDM3B	cg24137987	-0.336996813435787	10	-0.947004015154534	0.375172731365894	0.113566852265875	0.573875503886774
OV	KDM4A	cg00154982	-0.156960534934622	10	-0.420490574027834	0.686734838975689	0.0246366095269627	0.819711082076821
OV	KDM4A	cg00979347	0.466139822312896	10	1.39400319128715	0.205967622443702	0.217286333945898	0.390358496854468
OV	KDM4A	cg03587511	-0.114343933699026	10	-0.304522910160891	0.769583522294861	0.0130745351737672	0.872267913826656
OV	KDM4A	cg08552254	-0.271614535413568	586	-4.9369115178567	1.30690027293866e-06	0.0737744558479283	2.16824482475986e-05
OV	KDM4A	cg10958452	0.15614035580574	10	0.418238294778589	0.688305194514821	0.024379810711143	0.820880182463375
OV	KDM4A	cg10968649	0.011086928010292	586	0.193953952442483	0.846340627294	0.000122919972705397	0.917896750258313
OV	KDM4A	cg12293275	0.494966164262073	10	1.50712270396992	0.17550810941785	0.244991503764309	0.351205830436573
OV	KDM4A	cg17737314	0.228348311081009	10	0.620548030754369	0.554554837685395	0.0521429511735491	0.726218989022769
OV	KDM4A	cg19743044	-0.513111542117804	10	-1.58165075221453	0.157743168650315	0.263283454654511	0.326577391472819
OV	KDM4A	cg20873046	-0.394351814301239	10	-1.13536753019992	0.293596136284795	0.155513353442679	0.491362817075905
OV	KDM4A	cg21451504	-0.445588592682004	10	-1.3168752915837	0.229352120193218	0.198549193928329	0.419402445543491
OV	KDM4A	cg22094309	-0.452925035205142	10	-1.34409610529602	0.220845630953877	0.205141087515579	0.409078170732557
OV	KDM4A	cg24324755	0.619297741440115	10	2.08685576980931	0.075318878078598	0.383529692552828	0.194475648088103
OV	KDM4A	cg24505556	-0.283346767060095	10	-0.781701128899622	0.460008128411392	0.0802853904034078	0.649860576055275
OV	KDM4A	cg25841161	0.655742412228257	10	2.29796888984179	0.055155933349843	0.429998111194933	0.154936948640246
OV	KDM4B	cg01098771	-0.692514568223435	10	-2.53979962084196	0.0386753292460243	0.47957642720169	0.119452655102162
OV	KDM4B	cg12072803	-0.101774635030274	586	-1.78962164787017	0.074503515764924	0.0103580763355456	0.192921030037496
OV	KDM4B	cg18115693	0.777109857190668	10	3.26684755285865	0.0137339428954052	0.603899730142901	0.0545501048506664
OV	KDM4C	cg00121158	0.0168436544078986	586	0.294685421130872	0.768434019514131	0.000283708693812723	0.871692077771906
OV	KDM4C	cg00667760	0.363477129575048	10	1.03227444151064	0.336284000781378	0.132115623724116	0.535820038439835
OV	KDM4C	cg05545111	0.556185159293995	10	1.77066691070179	0.119919470723244	0.309341931418887	0.270584675599758
OV	KDM4C	cg14196303	0.450514632771493	10	1.33511537896445	0.223621077522052	0.202963434341233	0.41253949832224
OV	KDM4C	cg14473811	0.781186090012467	10	3.31063582852648	0.0129302564626168	0.610251707228966	0.0521216835718332
OV	KDM4C	cg14497348	0.904733296610439	10	5.61929637436091	0.000799659572097162	0.818542337995592	0.0055662774473628
OV	KDM4E	cg15555590	0.143465557591567	10	0.383541807968531	0.712700981847845	0.0205823662150591	0.836505756872285
OV	KDM4E	cg19409026	0.310230249766139	10	0.863390526907311	0.416521825472932	0.0962428078699608	0.612079920112607
OV	KDM5B	cg00528052	0.136477487675771	586	2.40993029801943	0.0165454618678222	0.0186261046422902	0.0629007311022508
OV	KDM5B	cg00571448	0.363928947724186	10	1.03375335656051	0.335638431427549	0.132444278991633	0.535207972255867
OV	KDM5B	cg02624558	-0.575390740664772	10	-1.86132844494257	0.10500647637506	0.331074504442754	0.2466446316276
OV	KDM5B	cg04504182	-0.306232068163261	10	-0.851103557671091	0.422867900992216	0.0937780795715482	0.617915501893167
OV	KDM5B	cg08915090	-0.275564044611671	10	-0.758438616723869	0.472946280581736	0.0759355426827428	0.661024290884127
OV	KDM5B	cg09889216	-0.434632292983622	10	-1.27683626930708	0.242381857493414	0.188905230104201	0.434777242312311
OV	KDM5B	cg11171004	0.589471726429063	10	1.93069672259321	0.0948250187812171	0.34747691625926	0.229272339994194
OV	KDM5B	cg11221497	-0.638999503834171	10	-2.19789140404237	0.0639296890875675	0.408320365900317	0.172422210264812
OV	KDM5B	cg13134514	0.253188465342335	10	0.692435353453262	0.510973698886431	0.0641043989824068	0.69317280945787
OV	KDM5B	cg13253785	0.731646380158563	10	2.8396637315182	0.025056679951349	0.535306425599128	0.0863688847594153
OV	KDM5B	cg13993945	-0.483336820301236	10	-1.46074785044778	0.187466202644576	0.233614481858909	0.366803636120932
OV	KDM5B	cg14560895	-0.21228602579979	586	-3.80010236398006	0.000174505284717394	0.0450653567498693	0.00154988744369277
OV	KDM5B	cg21105875	0.0261787797875352	10	0.069286286948032	0.946699476050745	0.00068532851116426	0.971552148170171
OV	KDM5B	cg24354901	-0.211144366439525	10	-0.571520477971829	0.58552173036209	0.0445819434791485	0.750005392320294
OV	KDM5B	cg27531483	-0.745543324452599	10	-2.95971344425322	0.0211136441784869	0.555834848635833	0.0759171893087671
OV	KDM5C	cg01859586	-0.435258039664384	10	-1.27910382927554	0.241627211287574	0.189449561092482	0.433893801645943
OV	KDM5C	cg04927657	0.313277515939591	10	0.872789189895049	0.411714204923655	0.0981428019932808	0.607373585186554
OV	KDM5C	cg04927982	-0.102681587008783	586	-1.80573881928231	0.0719417578734005	0.0105435083106423	0.188084322892973
OV	KDM5C	cg09554224	0.681649951358323	10	2.46484814467241	0.0431575647037465	0.464646656186804	0.129459381065908
OV	KDM5C	cg12234996	-0.714285033016184	10	-2.70030336604586	0.0306255805876774	0.510203108390931	0.100213948693437
OV	KDM5C	cg16417926	-0.475472329241564	10	-1.42996211374396	0.195806244400308	0.226073935874399	0.37765094773466
OV	KDM5C	cg16824069	-0.797018436883331	10	-3.4915062599544	0.0101081037984947	0.635238388731947	0.0429910790498112
OV	KDM5C	cg19903753	-0.77730553618522	10	-3.26892550585849	0.0136946177567261	0.604203896584192	0.0544496573602878

OV	KDM5C	cg24985300	-0.11588503881375	10	-0.308692057613466	0.766540161393425	0.0134301453318634	0.870592022475823
OV	KDM5C	cg27526317	-0.812209744555332	10	-3.68363387948926	0.00782205183365545	0.659684669150637	0.0353168137172021
OV	KDM6A	cg00751785	-0.856614907598375	10	-4.3926007482693	0.00318532569895288	0.733789099919773	0.0172971679062083
OV	KDM6A	cg03267667	-0.378058090505876	10	-1.08043559239246	0.315760952397391	0.142927919796949	0.514950477296786
OV	KDM6A	cg03478540	0.462652532414014	10	1.38072051192563	0.209838180122345	0.2140473657491	0.395382357265913
OV	KDM6A	cg06877198	-0.809656850311128	10	-3.64991939331534	0.00817880257704376	0.655544215255736	0.0365478641897032
OV	KDM6A	cg07167981	-0.84154672450096	10	-4.121784408802	0.00444959163785012	0.708200889518295	0.0225976976024881
OV	KDM6A	cg11895950	-0.924596335834579	10	-6.42148001762283	0.000359861505651428	0.85487838423873	0.0028458946803545
OV	KDM6A	cg14384228	-0.606427977117417	10	-2.01783434572666	0.0833963545988557	0.367754891430723	0.209045787326031
OV	KDM6A	cg15923127	0.165532500551208	10	0.444084267949523	0.670385464363583	0.0274010087387357	0.809055750885988
OV	KDM6A	cg17824914	-0.813503943711867	10	-3.70096181493204	0.00764529466943771	0.661788666434761	0.0347141804420847
OV	KDM6A	cg20211377	-0.667446044015753	10	-2.37141864009956	0.0495028287404594	0.445484221672278	0.143245910542899
OV	KDM6A	cg22133177	0.587435791005041	10	1.9205055431062	0.096258122023914	0.345080808553718	0.231774413998304
OV	KDM6A	cg27306636	-0.876621455633431	10	-4.82006568127382	0.00192131238801137	0.768465176476876	0.0115118796981209
OV	KDM6B	cg01046511	-0.152104761917001	10	-0.407169038759352	0.696046863353635	0.0231358585978277	0.82573932301609
OV	KDM6B	cg02308232	0.573167280553096	10	1.85060659816678	0.1066720992698	0.328520731496632	0.249374922336594
OV	KDM6B	cg24893073	0.560593180655963	10	1.79109483595727	0.11639118456007	0.314264714197969	0.2650392474802
OV	KDM8	cg00636124	0.34957436779692	10	0.987168676451669	0.356445273191453	0.122202238620616	0.555252374502521
OV	KDM8	cg01755539	-0.636239295319862	10	-2.18191690956526	0.0654552094358727	0.404800440909114	0.175472020498786
OV	KDM8	cg06329197	0.031763778582932	10	0.0840814860220672	0.93534574274719	0.00100893762986553	0.965530197065828
OV	KDM8	cg08572679	-0.375153306835664	10	-1.07076829224051	0.31979809810958	0.140740003629734	0.519175551333222
OV	KDM8	cg09140090	-0.463646949298322	10	-1.38449975441433	0.208730400365233	0.214968493593641	0.393943879424852
OV	KDM8	cg10214171	0.306524737851895	10	0.852001274516291	0.422401900002747	0.093957414915173	0.6174663206876
OV	KDM8	cg10221365	0.191756973881987	10	0.516934304442046	0.621128927661897	0.0367707370323772	0.775479117293044
OV	KDM8	cg16752029	0.702204726149636	10	2.60944394307593	0.0349415971147577	0.493091477426885	0.110714644627144
OV	KDM8	cg24206694	0.0151721138695385	586	0.265434150654449	0.790853760765907	0.000230193039270243	0.885181823564442
OV	KDM8	cg24705286	0.0501995859098446	586	0.879242655621022	0.379959643677686	0.00251999842551986	0.578389208888795
OV	KIAA202f	cg03495688	0.557572378092781	10	1.7770720480158	0.118802302581473	0.31088695681204	0.26891603605165
OV	KIAA202f	cg25608569	-0.714115112108677	10	-2.69899234270506	0.0306837354443668	0.509960393341988	0.100349372142728
OV	KMT2B	cg09284703	-0.833818306261707	10	-3.9962320938163	0.00521487084283527	0.695252967857142	0.0256425577003674
OV	KMT2B	cg13830730	0.784260791971536	10	3.34438153879565	0.0123453539050343	0.61506498982382	0.0502745360251396
OV	KMT2B	cg15496871	0.90856498653527	10	5.7543367495365	0.000695310369495131	0.825490334757836	0.00495883524793768
OV	KMT2B	cg24471867	-0.0273318091721663	586	-0.478290074811611	0.632785287888989	0.000747027792623713	0.783604008694202
OV	L3MBTL1	cg01071811	-0.16208121242778	585	-2.86855639458316	0.0044111620863304	0.0262703194220591	0.0224494271453609
OV	L3MBTL1	cg01877937	-0.669072493027123	10	-2.3818705886387	0.0487478633735721	0.44765800092553	0.14158265011326
OV	L3MBTL1	cg02177317	-0.514666220538177	10	-1.58816622233676	0.156271721800764	0.264881318563051	0.3246293178108
OV	L3MBTL1	cg02472486	-0.222760776969742	10	-0.604560321156298	0.564544630755829	0.0496223637561633	0.734245912412127
OV	L3MBTL1	cg02611863	-0.172132245831715	586	-3.05670943858985	0.002435171152746	0.0296295100550699	0.0139315858697399
OV	L3MBTL1	cg03486259	-0.551638095824587	10	-1.74982131023804	0.123625254293828	0.304304588764976	0.276389968218404
OV	L3MBTL1	cg04984575	-0.752351457589498	10	-3.02163005454662	0.0193417454098067	0.566032715737043	0.0709349303418112
OV	L3MBTL1	cg06362543	0.293416595943856	10	0.812049986461912	0.443497102481341	0.0860932987752801	0.635656098259503
OV	L3MBTL1	cg06446163	-0.848855531887847	10	-4.24849573306736	0.00380018698784375	0.7205557140166	0.0199279910031896
OV	L3MBTL1	cg06908806	0.396681067210639	10	1.14332155907784	0.290494826734121	0.157355869083371	0.488094050776549
OV	L3MBTL1	cg07678583	-0.346907378198343	10	-0.978602457539774	0.360377943329726	0.120344729048448	0.559284252466589
OV	L3MBTL1	cg08369943	-0.276747949981372	10	-0.761966733955383	0.470968314436387	0.0765894278188921	0.659364361990621
OV	L3MBTL1	cg08633313	-0.742891449828862	10	-2.9361683398919	0.0218318783294335	0.551887706228829	0.0778363493473853
OV	L3MBTL1	cg09541000	-0.348546847527059	10	-0.983865121726427	0.357957965065751	0.121484904921051	0.556928500116498
OV	L3MBTL1	cg10360552	-0.754089161701598	10	-3.03778512476169	0.0189058597789478	0.568650463795818	0.0697175983903803
OV	L3MBTL1	cg12699433	-0.610979502951512	10	-2.0419467448806	0.0804813193221672	0.373295953026876	0.203890447160169
OV	L3MBTL1	cg14306330	-0.38658550507098	10	-1.10903241821605	0.304058623234332	0.149448352730985	0.502665629680847
OV	L3MBTL1	cg15123011	0.406041544449232	10	1.17555344860172	0.278203143682879	0.164869735818717	0.475064981444475
OV	L3MBTL1	cg15302378	-0.735697735063632	10	-2.87382916722757	0.0238610476717532	0.541251157377757	0.0832210868673555
OV	L3MBTL1	cg15330298	-0.823905941555279	10	-3.8463879403409	0.00632196289564348	0.67882100053009	0.0298954945902188
OV	L3MBTL1	cg15388309	-0.858390278378064	10	-4.42709471403775	0.00305495858639905	0.73683387001397	0.0166999823111747
OV	L3MBTL1	cg16862791	-0.776421892638207	10	-3.25956087691663	0.0138728017313287	0.602830955367895	0.0549977443758338
OV	L3MBTL1	cg17091610	-0.796266505753582	10	-3.48249791470152	0.0102317023977932	0.634040348185019	0.0433673889252438
OV	L3MBTL1	cg17774347	-0.809503421320259	10	-3.64791251342764	0.00820058783653338	0.655295789129204	0.0366204203044271

OV	L3MBTL1	cg18911945	-0.648817048793259	10	-2.25589211582932	0.0586858614092398	0.420963562804794	0.162031796652129
OV	L3MBTL1	cg20091959	-0.222535718517154	586	-3.99290925461837	8.17838685364193e-05	0.0495221460159459	0.000808731952322639
OV	L3MBTL1	cg20252111	-0.752099639356875	10	-3.0193017082272	0.0194054592292852	0.565653867520742	0.0711183066511054
OV	L3MBTL1	cg20529070	-0.687212525337208	10	-2.50282517193798	0.0408231243058678	0.472261054980343	0.124204862616867
OV	L3MBTL1	cg22330467	0.0736420403680182	10	0.195369002760606	0.850654008447959	0.00542315010956483	0.920373540468151
OV	L3MBTL1	cg22457903	-0.846865577456495	10	-4.21317447551204	0.00397007365376164	0.717181306280722	0.0206431473991353
OV	L3MBTL1	cg22601123	-0.438815128268962	10	-1.29203755234858	0.237361471435244	0.192558716797706	0.428787346944859
OV	L3MBTL1	cg23626798	-0.234625711248239	586	-4.22213117942171	3.19470379142045e-05	0.0550492243787418	0.000360082275789282
OV	L3MBTL1	cg24343973	-0.371087521306068	10	-1.05729864430112	0.325491941934646	0.137705948469082	0.524887693923976
OV	L3MBTL2	cg02358112	-0.292000919727918	10	-0.807765836415131	0.44580247612436	0.0852645371219501	0.637724942584282
OV	L3MBTL2	cg06235991	-0.221022902875988	586	-3.96436599451537	9.16682047193281e-05	0.0488511235957286	0.000894086800142354
OV	L3MBTL2	cg08053598	-0.0893649087904028	10	-0.237387121781766	0.819154526695915	0.00798608692311701	0.902710918851084
OV	L3MBTL2	cg09993119	-0.415519339582719	10	-1.20864089735348	0.266039181650486	0.172656321567259	0.461865217590503
OV	L3MBTL2	cg12821546	0.812806143940518	10	3.69159900514121	0.0077402572172981	0.660653827627454	0.035041059704521
OV	L3MBTL2	cg13843727	-0.631345480524344	10	-2.15393871641804	0.0682157357611636	0.398597115778515	0.180958021816953
OV	L3MBTL2	cg14679202	0.0213034132242918	586	0.372742124507683	0.709598427760031	0.00045383541500493	0.834593231168284
OV	L3MBTL2	cg15283028	-0.357506088264034	10	-1.01280785475124	0.344872819136777	0.127810603145851	0.544100186414782
OV	L3MBTL2	cg19467356	-0.0275957568173285	10	-0.0730393257411942	0.943818049590078	0.000761525794321135	0.970012480447531
OV	L3MBTL2	cg24240981	0.289159810648894	10	0.79918548173307	0.450444828229408	0.0836133960945044	0.641255411725378
OV	L3MBTL2	cg26947834	0.101440954943225	10	0.269779178815801	0.79511009018083	0.0102902673397933	0.887810113956601
OV	L3MBTL2	cg27177954	-0.25516750007533	10	-0.698223122377183	0.50756201214151	0.0651104530946936	0.690302083435955
OV	L3MBTL2	cg03454037	0.663540737900628	10	2.34657071838811	0.0513459658955374	0.44028631085371	0.1471074308871
OV	L3MBTL2	cg07826275	0.45845201622903	10	1.3648293802262	0.214553363129513	0.210178251184463	0.401361329605049
OV	L3MBTL2	cg08106148	-0.578110817691274	10	-1.87452903948891	0.102990386658209	0.334212117531674	0.243268555870782
OV	L3MBTL2	cg08358392	-0.181511643958902	10	-0.488346696827544	0.64022984171133	0.0329464768926632	0.788595351244408
OV	L3MBTL2	cg09710740	-0.0255851744533772	10	-0.0677141753705853	0.947906734660111	0.000654601151809743	0.972293178012039
OV	L3MBTL2	cg10237990	-0.425815888628087	10	-1.24512677459209	0.253148722844592	0.181319171008128	0.447177586018194
OV	L3MBTL2	cg16487825	0.532638732256086	10	1.66508154365664	0.139840538732424	0.28370401909937	0.301108662574392
OV	L3MBTL2	cg16800851	-0.338004830164315	10	-0.950201420963445	0.37365499520832	0.114247265214407	0.572252080818097
OV	L3MBTL2	cg18411550	0.00324841535286966	10	0.00859454452454315	0.993382440775757	1.05522023047593e-05	0.996543438602994
OV	L3MBTL2	cg18798995	0.142676178196161	10	0.381387500195287	0.714228059048436	0.0203564918246628	0.837392356305974
OV	L3MBTL2	cg22934935	0.336001767937875	10	0.943851357073318	0.376673792182107	0.112897188057377	0.575199454087131
OV	L3MBTL2	cg24516147	0.498450951816169	10	1.52122508530473	0.172011892646264	0.248453351366445	0.346374684247235
OV	LBR	cg01017344	-0.535499795450804	10	-1.6776080175868	0.137323014966048	0.286760030927853	0.297242810970194
OV	LBR	cg05530459	0.118878960712702	10	0.316770463617349	0.760655756703803	0.0141322073001321	0.866834453043516
OV	LBR	cg12994003	-0.110708699944574	586	-1.94858948861969	0.0522582510744343	0.0122564162434176	0.149002286471358
OV	LBR	cg14607642	-0.0151037239978215	586	-0.264237405157911	0.791774864901028	0.00022812247860237	0.885754009780135
OV	LBR	cg18107727	0.323473157852587	10	0.904455456693572	0.39581414848605	0.104634883851124	0.592529217913748
OV	LBR	cg18289048	-0.401857233243655	10	-1.16109161513928	0.283663736172942	0.161489235910245	0.480906066899947
OV	LBR	cg18764107	0.288189182805873	10	0.796259413657041	0.452035614421843	0.0830530050863171	0.642579498374312
OV	LBR	cg19322477	-0.293983513247664	10	-0.813767240741588	0.44257536613236	0.0864263060614395	0.634925415992894
OV	LBR	cg20483690	-0.420195160164075	10	-1.2251383471351	0.26014339081856	0.176563972625313	0.455267468022375
OV	LBR	cg26930584	-0.658798473482035	10	-2.31685741948032	0.0536421754434936	0.43401542866226	0.151884964384027
OV	MBD1	cg01719254	-0.603364004317966	10	-2.00177974331015	0.0853948898276582	0.36404812170661	0.212725673548716
OV	MBD1	cg03841029	-0.308645122657912	586	-5.67621282658767	3.19725583825064e-08	0.0952618117405175	7.81669769581617e-07
OV	MBD1	cg05549078	-0.671535192318452	10	-2.39781466603501	0.047618805136975	0.450959514522181	0.139270548773481
OV	MBD1	cg12090413	-0.92786386982265	10	-6.58292158241305	0.000309181705888863	0.860931360922264	0.00250729507223165
OV	MBD1	cg13478031	-0.370062289432878	10	-1.05391331442721	0.326935616207942	0.136946098060303	0.526445382664361
OV	MBD1	cg14389183	-0.836838203341087	10	-4.04432294380298	0.0049059334194628	0.700298178571138	0.0244141369199857
OV	MBD1	cg19328682	-0.733766972960007	10	-2.85746455711972	0.0244260530978991	0.538413970606891	0.0847149857215925
OV	MBD1	cg21282183	-0.336468776121073	10	-0.945330560415606	0.375968941161089	0.113211237304413	0.574495252670067
OV	MBD2	cg15090185	-0.342512277609118	10	-0.964544362297695	0.366904037301733	0.117314660312985	0.565777704231991
OV	MBD2	cg16852837	-0.483009590388451	10	-1.45945782969429	0.187809148317651	0.233298264407219	0.367216047558834
OV	MBD2	cg17987217	-0.145971191188817	10	-0.390384945607037	0.707859630384592	0.0213075886570821	0.833510967716594
OV	MBD2	cg22224310	-0.373414959187999	10	-1.06500055522845	0.322226389632747	0.139438731745375	0.521661107477275
OV	MBD2	cg22836370	-0.176407807052536	586	-3.1350426603117	0.00188508391781874	0.0311197143890848	0.011332938045038
OV	MBD2	cg23388714	-0.605420792307591	10	-2.01254134998848	0.0840500885090699	0.366534335758351	0.210311758940964

OV	MBD2	cg24881765	-0.516099368464688	10	-1.59419124513582	0.154922373411737	0.26635855812965	0.322669570217468
OV	MBD2	cg25192916	0.464171487487115	10	1.38649592407265	0.20814737369695	0.215455169796001	0.393291965155458
OV	MBD3	cg08660999	0.23719337069125	10	0.645989628434259	0.538878547241777	0.0562606950998765	0.714452350996731
OV	MBD3	cg09174855	-0.267809270121261	10	-0.735420194549931	0.48598817729738	0.0717218051628827	0.672520197068679
OV	MBD3	cg12286540	-0.807473413762713	10	-3.62156211106451	0.00849253866768284	0.652013313933609	0.0376234939130819
OV	MBD5	cg03890220	0.157693910251456	10	0.4225052381071	0.685331559489993	0.0248673693303942	0.818904670056746
OV	MBD5	cg04152151	0.303438352340341	10	0.842547635950105	0.427327752256454	0.0920748336710211	0.621684793531928
OV	MBD5	cg05218490	-0.171273513277604	586	-3.04099809903732	0.00256190501400854	0.0293346163504536	0.0145188925955985
OV	MBD5	cg06394585	0.783666213333879	10	3.33780663912988	0.012457046002853	0.614132733921061	0.0506180954163461
OV	MBD5	cg06758980	0.291755675753167	10	0.807024264778704	0.44620237686775	0.085121374334187	0.638097533154098
OV	MBD5	cg20595490	-0.192349134304461	10	-0.518591870246152	0.620030767914735	0.0369981894676756	0.774680667085681
OV	MBD5	cg21412502	0.299281957296402	10	0.829862617574912	0.434001547163446	0.0895696899631652	0.627548119180556
OV	MBD5	cg23120335	-0.284190014092154	10	-0.7842315550016	0.458615499920761	0.0807639641096986	0.648576309346392
OV	MBD5	cg25686162	0.130244803040655	10	0.347555885894557	0.738389744367011	0.016963708719099	0.852689781270593
OV	MBD5	cg26664634	-0.519903997444746	10	-1.61027500989976	0.151373119828243	0.270300166559027	0.317675698937612
OV	MBTD1	cg01388767	0.425630493442601	10	1.24446469113314	0.25337782004547	0.181161316948192	0.447406213208856
OV	MBTD1	cg14577476	-0.290962354014397	10	-0.804626599623915	0.447497057272162	0.0846590914535995	0.639056192261231
OV	MBTD1	cg17045523	-0.781372574221199	10	-3.31266471780215	0.0128942627351498	0.610543099745063	0.05201308342728
OV	MBTD1	cg18711617	-0.416563571461731	10	-1.21231506641809	0.264716449324156	0.173525209068952	0.460327251295254
OV	MBTD1	cg22141797	-0.861232269625981	10	-4.48357856964799	0.00285398971709805	0.741721022245118	0.0158226393993676
OV	MBTD1	cg25259117	-0.566905470495494	10	-1.82073575320237	0.111448336605002	0.321381812477717	0.257247482356157
OV	MBTD1	cg25716740	-0.0594403684797625	586	-1.04162352581603	0.298408512194253	0.00353315740500994	0.496628268818237
OV	MBTD1	cg25855326	-0.749522744829795	10	-2.9956418707121	0.0200654689349034	0.56178434501719	0.073027980833772
OV	MBTD1	cg27207041	-0.176579462204577	586	-3.13819137090055	0.0018655810409959	0.0311803064724577	0.011231311832784
OV	MBTD1	cg27214721	0.474402242767525	10	1.42580787940527	0.196956808431771	0.225057487942858	0.379165007551131
OV	MBTD1	cg27353579	-0.727907315228818	10	-2.80870708223192	0.026194520068662	0.529849059563625	0.0892430802409341
OV	MLLT10	cg00879184	-0.464527951252373	10	-1.38785353465132	0.207751678433587	0.215786217494727	0.392801897486024
OV	MLLT10	cg03524461	0.442649485562332	10	1.30606372700509	0.232809182789762	0.195938567068597	0.423567086716145
OV	MLLT10	cg04188362	-0.478479655995943	10	-1.44168106153135	0.192592966803599	0.228942781201996	0.373312801444026
OV	MLLT10	cg05913198	-0.353352119307034	10	-0.999349472294764	0.350910373903944	0.124857720218772	0.549856418866869
OV	MLLT10	cg06398735	-0.780190917499165	10	-3.29984699293246	0.0131234767395596	0.608697867748189	0.0527066468496282
OV	MLLT10	cg11443787	-0.253213279653313	586	-4.57863901025622	6.81634164036684e-06	0.064116964992787	9.33414176957891e-05
OV	MLLT10	cg15910013	0.393578058935685	10	1.1327310266225	0.29463010583752	0.154903688475582	0.492454290536307
OV	MLLT10	cg19119538	-0.662259949548815	10	-2.33849668814894	0.0519598256486065	0.438588240776399	0.148396148041694
OV	MLLT10	cg20569108	-0.29588943693194	10	-0.819547399646412	0.439482742068229	0.0875505588879008	0.632133839435366
OV	MLLT10	cg23344688	0.187680452169161	10	0.505539162543757	0.628706301789626	0.0352239521264209	0.780692078747022
OV	MLLT10	cg26877631	-0.285361227065575	10	-0.787749431723975	0.456684243823918	0.0814310299123708	0.646962415122516
OV	MLLT10	cg27470303	-0.319051912062088	10	-0.890681486793234	0.402673780617194	0.101794122590475	0.599189060622303
OV	MLLT10	cg27572529	-0.520786093984403	10	-1.6140226567292	0.150557056287616	0.271218155687531	0.316424034495172
OV	MLLT6	cg05652455	0.410201093904976	10	1.19001744846112	0.27282963977639	0.168264937440839	0.469146967649161
OV	MORF4L	cg03589001	-0.029284104120421	586	-0.512482396242672	0.60868314874699	0.00085755875413566	0.7664103469122
OV	MORF4L	cg07757959	0.0583192602687669	10	0.154561325240561	0.881529195782228	0.00340113611829617	0.937135235407946
OV	MORF4L	cg08692282	-0.201666970735939	10	-0.544753066752049	0.602837491062066	0.0406695670858101	0.762056893139801
OV	MORF4L	cg13747872	-0.288322375375551	10	-0.796660779070823	0.451817177916381	0.0831297921422002	0.642407751773196
OV	MORF4L	cg15822222	0.297763030927754	10	0.825239966571792	0.436451878008333	0.0886628225872825	0.629527063664216
OV	MORF4L	cg20775702	-0.381745420997552	10	-1.09276095404968	0.310673350412329	0.145729566452598	0.509497483387653
OV	MORF4L	cg20905746	-0.321254350013472	10	-0.897534791558257	0.399249873368838	0.103204357402578	0.595872240212865
OV	MORF4L	cg23623458	-0.357703803499579	10	-1.01345013676533	0.344586724816701	0.127952011038066	0.543836315637231
OV	MORF4L	cg24795825	0.000322601782742776	10	0.00085352413405741	0.999342801101812	1.04071910228817e-07	0.999676909126047
OV	MPHOSF	cg00331616	-0.710742644482438	10	-2.67317165512777	0.0318529031174416	0.505155106685889	0.103175448437284
OV	MPHOSF	cg03134886	0.638405326112623	10	2.19444061985448	0.0642561712091688	0.407561360408964	0.17309871123506
OV	MPHOSF	cg03428000	0.243656872580035	586	4.39470430598527	1.53142703845609e-05	0.0593686715554833	0.000189857904429726
OV	MPHOSF	cg04203901	0.359225898953858	10	1.01839993922406	0.342388136020915	0.129043246479208	0.541630084259127
OV	MPHOSF	cg06019692	-0.235260873801323	10	-0.640416816947784	0.542288943630867	0.0553476787417622	0.71696310533165
OV	MPHOSF	cg09559995	-0.272701538265716	10	-0.749923544243816	0.477743124959933	0.0743661289724877	0.665405490256258
OV	MPHOSF	cg11051893	0.462381713814898	10	1.37969242667083	0.210140434478268	0.213796849270402	0.395769741921329
OV	MPHOSF	cg19693579	0.68780785264379	10	2.50693838897183	0.0405782226790284	0.473079642158462	0.123643502216613

OV	MPHOSF	cg20759595	-0.148732098386729	10	-0.397934156313278	0.702535514433146	0.0221212370905197	0.829788816689175
OV	MPHOSF	cg20952532	-0.698936209904226	10	-2.58564419284346	0.0361735880170086	0.488511825515284	0.113659198925448
OV	MPHOSF	cg21958444	-0.761629540472809	10	-3.10963410797063	0.0170899692496348	0.580079556920823	0.0645167694378653
OV	MPHOSF	cg22656705	-0.72398253622605	10	-2.77678592167745	0.0274248289622456	0.524150712760304	0.0923347677784529
OV	MSH6	cg00620552	-0.399840075111147	10	-1.15415100187317	0.286315832237381	0.159872085664888	0.483589610132109
OV	MSH6	cg02905881	-0.125800706274466	586	-2.2182363030287	0.0272726053690499	0.0158258176991545	0.0919376462313068
OV	MSH6	cg05039065	0.559167340838607	10	1.78446310159262	0.11752555842536	0.312668115060519	0.266961965318008
OV	MSH6	cg07652213	0.0476064293238828	586	0.83371769098153	0.405090402252561	0.00226637211296985	0.601542390487054
OV	MSH6	cg09898070	-0.550479312377275	10	-1.74454506529087	0.124580416028466	0.303027473355357	0.277738391221082
OV	MSH6	cg11869233	-0.12023671235254	10	-0.320441159588305	0.757987554787766	0.0144568669973476	0.865048320822103
OV	MSH6	cg16595246	-0.56715748829398	10	-1.82192885963351	0.111253667772253	0.321667616527936	0.256964242180863
OV	MSH6	cg18222961	-0.0554837285984655	10	-0.147022622579474	0.887259039840944	0.00307844413918818	0.940108350079743
OV	MSH6	cg19076255	-0.181330039203872	10	-0.487841479460428	0.640570109306528	0.0328805831176779	0.788851397213396
OV	MSH6	cg19736286	0.154173446984382	10	0.4128406048467	0.692075326826331	0.0237694517550461	0.823173743540676
OV	MSH6	cg21405109	-0.313938622802621	10	-0.874832168229825	0.410674532129834	0.0985574588872061	0.606536397712195
OV	MTA1	cg01318265	-0.427049758265972	10	-1.24953805931735	0.251626814993829	0.182371496035025	0.445393775782251
OV	MTA1	cg01655777	-0.867298390557061	10	-4.60969938021503	0.00245584514918824	0.752206498262868	0.0140251077327815
OV	MTA1	cg05922925	-0.868970487638574	10	-4.6458829391165	0.00235324481600569	0.755109708386821	0.0135606168308405
OV	MTA1	cg13052453	0.293290944732114	10	0.811669502256445	0.44370150922997	0.086019578261856	0.635788384047726
OV	MTA1	cg13981078	0.400013193605807	10	1.15474588006765	0.286087720498501	0.160010555058717	0.483354447532344
OV	MTA1	cg16531924	-0.616467623899808	10	-2.07145151307432	0.0770514646347245	0.380032331316675	0.197682924602393
OV	MTA1	cg20222911	0.0313176245662249	586	0.548103541083169	0.584020421572026	0.000980793608471013	0.748752841758597
OV	MTA1	cg21517792	0.425051349793066	10	1.24239768470892	0.254094192621933	0.180668649960907	0.448190722402292
OV	MTA1	cg23123838	-0.741455587217428	10	-2.92354903329061	0.0222274192552349	0.549756387815942	0.07879516306866
OV	MTA1	cg23883989	-0.86862462932928	10	-4.63834606249387	0.00237421919523469	0.754508746677428	0.0136541737320978
OV	MTA1	cg23966123	-0.747232310760989	10	-2.97487387325882	0.0206644492362138	0.558356126245207	0.0746734561446495
OV	MTA2	cg00501779	-0.15973213601653	10	-0.428108249261577	0.681435889423131	0.0255143552764034	0.816222095981819
OV	MTA2	cg07654871	0.282934906372018	10	0.780465929353855	0.460688977482637	0.0800521612437423	0.650409243866171
OV	MTA2	cg09086761	-0.15480783444674	586	-2.74107587046852	0.00648391627676801	0.0239654656060893	0.0304853005460468
OV	MTA2	cg13708959	0.0989416906418316	10	0.263065910932502	0.800074729635641	0.00978945814706391	0.890862822684965
OV	MTA2	cg19570317	-0.113035425456903	586	-1.99006680572488	0.0474731674265046	0.0127770074082231	0.138949079603352
OV	MTA2	cg21002970	-0.186409398957799	10	-0.501991745024519	0.631075099386007	0.0347484640198079	0.78228916063772
OV	MTF2	cg05396182	0.206274037753616	10	0.557744513027481	0.594398016522734	0.04254897865118	0.756042415428317
OV	MTF2	cg05962718	-0.733684733940541	10	-2.85677087131278	0.0244503125839175	0.538293288817403	0.0847745962986709
OV	MTF2	cg09936581	0.0803299863402115	10	0.213222231678831	0.837230540744801	0.00645290670541856	0.912894685781627
OV	MTF2	cg11404133	-0.416950595277343	10	-1.21367829735033	0.26422708765384	0.17384779890213	0.459763985804993
OV	MTF2	cg14474880	-0.180044833273502	586	-3.20182114921986	0.00150927636614313	0.0324161419884831	0.00944742884033943
OV	MTF2	cg15463775	-0.492659863086857	10	-1.49784254925416	0.177844062610871	0.24271374069676	0.354330815109104
OV	MTF2	cg16813892	0.501140263517796	10	1.53217528876547	0.169341222893168	0.251141563718686	0.342807023179139
OV	MTF2	cg19708337	-0.101606650316218	10	-0.270224433717373	0.794781169155231	0.0103239113884823	0.887606080844577
OV	MTF2	cg22801127	0.233081794552519	10	0.634142567418642	0.546144352430454	0.0543271229518228	0.719806040925623
OV	MTF2	cg23992808	-0.549760667764467	10	-1.74128016214504	0.125174981012017	0.302236791820833	0.278694441282415
OV	MTF2	cg26054395	-0.13878000462015	586	-2.45138002043865	0.0147899394997224	0.0192598896823688	0.0577536669732661
OV	NAP1L2	cg02379437	-0.225337187011789	10	-0.611924338903344	0.559930102462369	0.0507768478503859	0.730601673755179
OV	NAP1L2	cg04297329	-0.0631099347546286	586	-1.10617805704898	0.269518344837623	0.003982863864733347	0.465476203674142
OV	NAP1L2	cg07693661	-0.444416075983623	10	-1.31255583904253	0.230727898193217	0.197505648592681	0.421116442109733
OV	NAP1L2	cg20001978	-0.364119283753213	10	-1.03437662621649	0.335366657466079	0.132582852800953	0.534917141675029
OV	NAP1L2	cg23483095	-0.187116764873398	10	-0.503965628504834	0.62975645717769	0.0350126836966865	0.781559470194647
OV	NCOA1	cg11380327	-0.630177393658276	10	-2.14732449906192	0.0688852335640378	0.397123547477938	0.182176529697449
OV	NCOA1	cg13911252	-0.141707569291251	10	-0.378745068915989	0.716103060173799	0.0200810351944347	0.838592245535376
OV	NCOA1	cg15477048	0.143896173283553	10	0.38471732283997	0.711868315148967	0.0207061086856503	0.836034046250101
OV	NCOA1	cg23006163	-0.468764517722022	10	-1.40405502320648	0.20308083159566	0.21974017307516	0.386908235358016
OV	NCOA3	cg04175879	0.0327466518915859	10	0.086685988207501	0.933348653981552	0.00107234321010871	0.964556573559531
OV	NCOA3	cg09568061	0.883731753200404	10	4.99608005443667	0.00157220611401864	0.78098181161466	0.00977768116693333
OV	NCOA3	cg12128876	-0.180939198552629	586	-3.21826302382337	0.00142805476212892	0.0327389935728678	0.00902922095194989
OV	NCOA3	cg14341558	-0.388370558950984	10	-1.11506049888405	0.301637311351562	0.1508316910599	0.500044174979935
OV	NCOA3	cg14774045	0.71651923972672	10	2.71763260391371	0.0298676151665672	0.513399820898557	0.0983376186841006

OV	NCOA3	cg18295930	0.098443098779535	10	0.261727250307693	0.801065899638955	0.00969104369731729	0.891417708685761
OV	NCOA3	cg21735648	-0.092373933518351	10	-0.245447895738428	0.813150361446985	0.00853294359365272	0.899397435357106
OV	NCOA3	cg22511723	0.0774990088607781	10	0.205661646288124	0.842908381904001	0.00600609637440296	0.916044517019961
OV	NCOA3	cg22876277	0.195469512783959	10	0.527336150896839	0.614254801338199	0.0382083304279983	0.77057826955094
OV	NCOA3	cg24856420	-0.156886980503635	10	-0.420288551186684	0.686875627714204	0.0246135246515479	0.819778506066073
OV	NCOA3	cg25373408	0.35434331084158	10	1.0025546318781	0.349465102601361	0.125559181938173	0.548508760224564
OV	NCOR1	cg00253204	0.213846854124746	10	0.579183737248816	0.58061687588522	0.0457304770190505	0.746389537355654
OV	NCOR1	cg08125503	-0.592922813143326	10	-1.94810083330627	0.0924257355529169	0.351557462345795	0.225126605544898
OV	NCOR1	cg08206308	0.162181939535304	10	0.434850115501232	0.676762179961213	0.0263029815114332	0.813264515460519
OV	NCOR1	cg21211144	0.414698892133706	10	1.20575817572078	0.267080881966568	0.171975171136923	0.462790287718004
OV	NCOR1	cg22291359	0.0591911518746035	10	0.156880130836137	0.879768282803697	0.00350359246024237	0.936222778715385
OV	NCOR1	cg22625220	-0.22150877911035	10	-0.600986625761165	0.566792091971725	0.0490661392229578	0.735701990153942
OV	NCOR2	cg08976554	0.295912670296806	10	0.819617926226796	0.439445101509831	0.0875643084421865	0.632129439671156
OV	NCOR2	cg10641483	0.129120720880222	10	0.344505210352711	0.74058463691895	0.0166721605606283	0.854045290390797
OV	NCOR2	cg13416396	-0.374395341681065	10	-1.06825179765194	0.320855767300395	0.140171871872482	0.520295442559864
OV	NCOR2	cg13419087	0.291159615104747	10	0.805222614363958	0.447174979602705	0.0847739214679443	0.63879559225849
OV	NCOR2	cg13857025	-0.0412757528630044	10	-0.109298522219903	0.916033015869826	0.00170368777440782	0.955688550231704
OV	NCOR2	cg16181859	-0.124317828754567	10	-0.331485574691549	0.749980894476793	0.0154549225462499	0.859960405408322
OV	NCOR2	cg19895345	-0.620439683006741	10	-2.09310855089825	0.0746267161068678	0.384945400249505	0.193140781641245
OV	NCOR2	cg23611643	-0.253541802184152	10	-0.693468017694596	0.510363904103393	0.0642834454547877	0.692671706690964
OV	NCOR2	cg24626542	-0.752779137294484	10	-3.02559252109319	0.0192338542411939	0.566676429545828	0.0705958224505515
OV	NCOR2	cg25113767	0.372789399320241	10	1.06292817939606	0.323102478175193	0.138971936245546	0.522544471896408
OV	NCOR2	cg25449924	-0.563668490172449	10	-1.80547777649322	0.113966954480548	0.317722166813288	0.261308769986141
OV	ORC1	cg00298020	0.166443031123459	10	0.446596408782894	0.668655685442603	0.0277032826095646	0.807869984281464
OV	ORC1	cg02275620	0.253251653022847	10	0.692620004367237	0.510864627089421	0.0641363997588042	0.693073188932971
OV	ORC1	cg04407474	0.0492982402848818	10	0.130589667510743	0.899773623522517	0.00243031649518594	0.947172423489678
OV	ORC1	cg07142859	0.18649892263679	10	0.502241513402711	0.630908163194272	0.0347818481446834	0.782240049208453
OV	ORC1	cg08613513	-0.0239425151607739	586	-0.418943057949613	0.675551663882654	0.000573244032223889	0.81242063659546
OV	ORC1	cg10586599	-0.0475814148564777	586	-0.833278625513887	0.405337538657828	0.00226399103974424	0.601714120453145
OV	ORC1	cg13460942	0.0182632267026793	10	0.0483280164600618	0.962804799972938	0.000333545449593459	0.980449205554033
OV	ORC1	cg16136434	-0.415884293246557	10	-1.20992434239839	0.26557649854957	0.172959745369188	0.461310635648758
OV	ORC1	cg16965475	-0.203794757119695	10	-0.550748454071252	0.598934556463793	0.0415323030294753	0.75928598533525
OV	ORC1	cg17146111	0.253877267127152	10	0.694448723933085	0.509785223015615	0.0644536667639513	0.692200297405909
OV	ORC1	cg19776520	0.679777113255292	10	2.45224323233278	0.0439624181371505	0.462096923705698	0.131291502804771
OV	ORC1	cg21197365	-0.0829922953621407	10	-0.22033709563041	0.831896904341815	0.00688772108947681	0.909848131934473
OV	ORC1	cg23606758	0.176176977902196	10	0.473527141210599	0.650249198414518	0.0310383275427507	0.795394291352858
OV	ORC1	cg25605769	0.576083072938103	10	1.86467952876049	0.104491079106491	0.331871706925807	0.245812664671153
OV	PADI1	cg14524955	-0.214105125843568	10	-0.579916826772322	0.580148901887581	0.0458410049124903	0.745985184685
OV	PADI1	cg21010178	0.33994791744804	10	0.956375282244241	0.370737588912895	0.115564586577259	0.569398246700816
OV	PADI1	cg22193702	0.109603510516519	586	1.92889926305468	0.0546680365050787	0.0120129295175447	0.154004897044218
OV	PADI2	cg00569276	-0.318429485806789	10	-0.888747608319742	0.403643838423539	0.101397337431176	0.600115982156154
OV	PADI2	cg01603374	-0.222106272187787	10	-0.602691715300404	0.565719122151854	0.0493311961451555	0.734997458937947
OV	PADI2	cg07014827	0.432160164008527	10	1.26790007819619	0.245375605997844	0.186762407355877	0.438298202069635
OV	PADI2	cg09313801	0.112397529198812	10	0.299272302765044	0.773422517128371	0.0126332045699978	0.874321222651288
OV	PADI2	cg10233913	-0.157420998241298	10	-0.421755434714406	0.685853666907026	0.0247813706872867	0.819174614456039
OV	PADI2	cg15185794	-0.043250768979392	586	-0.757288094096347	0.449460009622974	0.00187062901730874	0.640695056045179
OV	PADI2	cg17183414	-0.434938876678156	10	-1.27794697177217	0.242011961406369	0.189171826446056	0.434293984582757
OV	PADI2	cg18228326	-0.549331595540993	10	-1.73933347025497	0.125530774165587	0.301765201859613	0.279238849520692
OV	PADI2	cg18879300	-0.168794826967862	10	-0.453090434566206	0.664194117039796	0.0284916936111104	0.804950070363565
OV	PADI2	cg19282714	-0.0753707494823007	586	-1.3222105661072	0.187085504508385	0.00568074987752373	0.366285608180873
OV	PADI3	cg01459162	-0.0784460152008587	585	-1.37423565323521	0.170377499917124	0.0061537730089335	0.34417042477611
OV	PADI3	cg12858514	-0.603967190738008	586	-13.2559463240662	5.28525853945846e-32	0.364776367487961	1.56931833136882e-29
OV	PADI3	cg14664242	-0.372847733323062	10	-1.06312135900934	0.323020731946979	0.139015432244146	0.522444849603594
OV	PADI3	cg17589397	0.571273646513246	10	1.84152325147482	0.108103166380451	0.326353579200541	0.251872704345767
OV	PADI3	cg18768338	-0.462630143875271	10	-1.38063550161112	0.209863158319757	0.214026650022054	0.395419844466363
OV	PADI3	cg21966975	-0.471266982195418	10	-1.41368312268103	0.200349588906457	0.222092568507577	0.383348056980065
OV	PADI4	cg16091981	0.670957354602265	10	2.39406071702568	0.0478822040070986	0.45018377169487	0.139804390426671

OV	PADI4	cg18333690	0.00848235181332126	586	0.148385894436153	0.882135965934234	7.19502922849544e-05	0.93743559555236
OV	PADI4	cg19159961	0.672478031253965	10	2.40395698492224	0.0471910201638979	0.452226702519208	0.138331445142254
OV	PADI4	cg21295838	0.686578114130904	10	2.49845243296961	0.0410851508535138	0.471389506803548	0.124806834530761
OV	PADI4	cg23228178	0.0689730319502324	586	1.20941548711667	0.227436823005717	0.00475727913640777	0.417086353666975
OV	PADI4	cg26918754	0.78641553528529	10	3.36841063953204	0.0119462204227178	0.618449394138049	0.0489643978695948
OV	PADI6	cg12643633		10				
OV	PADI6	cg16017904		10				
OV	PARP1	cg00653565	-0.0325865499684402	10	-0.0862617194040731	0.933673941524863	0.00106188323884565	0.964687694831992
OV	PARP1	cg02088626	-0.112008366946011	10	-0.298222921933375	0.774190594813659	0.0125458742659124	0.874923752864211
OV	PARP1	cg03149313	0.307212455756622	10	0.854111788080407	0.42130779464511	0.0943794929720142	0.616469521435159
OV	PARP1	cg04960271	0.0748193697947176	586	1.31248319364885	0.190340726869893	0.0055979380964787	0.370554717370281
OV	PARP1	cg07113065	-0.436191834643306	10	-1.28249193948679	0.240503416895489	0.190263316609493	0.432594747143761
OV	PARP1	cg17661881	0.0758367518177975	586	1.33043267254847	0.184366384973779	0.00575121292627422	0.362800661539731
OV	PARP1	cg25722198	-0.439923241922277	10	-1.2960820050304	0.23604097484916	0.193532458783407	0.427324561331054
OV	PARP1	cg26464410	0.57124747100718	10	1.84139800034936	0.108123028669837	0.326323673132099	0.25189569828402
OV	PARP2	cg01813761	-0.55277614748062	10	-1.75501733290704	0.122691442693484	0.305561469223516	0.274840441687253
OV	PARP2	cg10910545	-0.726928502608697	10	-2.80069201432323	0.0264978860927144	0.528425047904922	0.0900046522593819
OV	PARP2	cg15078479	-0.114898107733729	586	-2.02329573363315	0.0439117433816123	0.0132015751607917	0.131195566657545
OV	PARP2	cg15365367	0.365548031340154	10	1.03905994753087	0.333330067978094	0.133625363216662	0.53294881733097
OV	PARP2	cg18899035	0.198951798575517	10	0.53711428513181	0.607830529027678	0.039581818156433	0.765686330006807
OV	PARP2	cg19540080	-0.334343804967938	10	-0.938606245501959	0.379181173608308	0.111785779920439	0.577721656946474
OV	PARP2	cg24595957	-0.0946721029045308	586	-1.66355728482993	0.0972246812286313	0.00896280706836607	0.23333323620238
OV	PARP2	cg26206608	-0.55643925391727	10	-1.77183852106667	0.119714372881305	0.309624643300009	0.270288861669684
OV	PARP2	cg26430074	-0.654792626819253	10	-2.29213915696459	0.0556318509525957	0.428753384136857	0.155800425264822
OV	PAXIP1	cg02824291	0.0643894452549962	10	0.170712714282018	0.869279257271953	0.00414600066024615	0.930649434936342
OV	PAXIP1	cg12220104	0.516549295694785	10	1.59608651834666	0.154500153955833	0.266823174882779	0.322057455810262
OV	PAXIP1	cg22583711	0.289257877751985	10	0.799481265564275	0.45028423890323	0.0836701198415825	0.641176799393001
OV	PAXIP1	cg24448952	-0.672868817648697	10	-2.40650909790763	0.0470144364553284	0.452752445763956	0.137943768183066
OV	PAXIP1	cg24452135	0.510790025793806	10	1.57196083757186	0.15995527025842	0.260906450450437	0.329682444802361
OV	PCGF1	cg03203239	-0.0248434500260443	10	-0.0657498839253782	0.949415362593256	0.000617197009196559	0.97315657784027
OV	PCGF1	cg08092637	0.894830577986309	10	5.30346736134033	0.00111914896599429	0.800721763299312	0.00737510162308852
OV	PCGF1	cg27306986	-0.00766944537592974	10	-0.0202920419602156	0.984376700002352	5.882039237437e-05	0.991822315761986
OV	PCGF2	cg09395368	-0.193807536357691	10	-0.522676718494417	0.617328937849141	0.0375613611490376	0.772646707098354
OV	PCGF2	cg17902383	0.0532074918609521	10	0.140973483370752	0.891861983472088	0.00283103719013329	0.942722001470544
OV	PCGF2	cg20228512	0.0332047845818751	586	0.581166978155253	0.56155573551709	0.00110255771912873	0.731961645507372
OV	PCGF2	cg25377665	-0.660001099516888	10	-2.32434577363977	0.0530538049704763	0.435601451363501	0.150646702335045
OV	PCGF5	cg03905463	-0.0481199274993667	10	-0.127461016533818	0.902159849202948	0.00231552742254431	0.948281470876085
OV	PCGF5	cg06001881	-0.396543401767258	10	-1.14285072764704	0.290677651865337	0.157246669485149	0.488295773034162
OV	PCGF5	cg07421809	-0.182893452248021	10	-0.492192530282222	0.637642690308081	0.033450014875199	0.786859254070434
OV	PCGF5	cg07424295	-0.328664450842791	10	-0.92071299342698	0.387829460810427	0.108020321247793	0.585727141803268
OV	PCGF5	cg08633154	-0.0162596354016166	586	-0.284465060880267	0.77624641259638	0.000264375743393503	0.876143482988839
OV	PCGF5	cg11113644	-0.813776285355181	10	-3.7046287893516	0.00760844758567786	0.662231842606476	0.0345832060461714
OV	PCGF5	cg12783297	-0.32488227175845	10	-0.908859252131186	0.39363932992943	0.105548490502931	0.590417579933832
OV	PCGF5	cg15550435	-0.375546644415871	10	-1.07207518364466	0.319249921503025	0.141035282132021	0.518610294502
OV	PCGF5	cg17001035	-0.0360581838656407	586	-0.631171062048873	0.528399845791021	0.00130019262368835	0.706804525662277
OV	PCGF5	cg20515900	-0.238525700848827	10	-0.649836444587194	0.536532116246073	0.0568945099654239	0.712634103657964
OV	PCGF5	cg22968329	-0.593209768030925	10	-1.94955537575165	0.0922279304355129	0.351897828887304	0.224726049608129
OV	PCGF5	cg23395902	-0.376376860309861	10	-1.07483584913863	0.318094434580838	0.141659540976709	0.51742474529601
OV	PCGF5	cg25390656	0.175705898137996	10	0.47222058581502	0.651136321656643	0.0308725626404797	0.796028836894693
OV	PCGF6	cg01917164	-0.744764470226315	10	-2.95276579083937	0.0213229425939863	0.554674116111483	0.0764666983756244
OV	PCGF6	cg06691148	0.150818337628685	10	0.403644908896155	0.698519820594109	0.0227461709650799	0.827102753779271
OV	PCGF6	cg11612727	0.282725532832342	10	0.779838183180437	0.461035259390561	0.0799337269153318	0.650673553981772
OV	PCGF6	cg11814370	-0.505355164217086	10	-1.54945689913015	0.165203670058967	0.255383842000878	0.337162040542499
OV	PCGF6	cg14409890	-0.671043287682835	10	-2.39461848219893	0.0478429738088892	0.450299093944189	0.139710822240568
OV	PCGF6	cg16113748	-0.746952189100622	10	-2.9723505155526	0.0207385072015336	0.557937572802211	0.0748854172500976
OV	PCGF6	cg16382383	0.316662686248629	10	0.883265117917692	0.406403240806224	0.100275256862198	0.602709579748349
OV	PCGF6	cg24418712	-0.623847577797423	10	-2.11189805833688	0.0725847057225599	0.389185800323711	0.189277029155373

OV	PCGF6	cg25481680	0.0399823290697149	10	0.10586795294807	0.918657095862575	0.00159858663783897	0.957068512771424
OV	PCGF6	cg26155979	0.0414262018960186	10	0.109697596076286	0.915727832118558	0.0017161302035297	0.955472665197981
OV	PCGF6	cg27217148	0.159959488388352	586	2.83464836886817	0.00489285012984118	0.0255870379254632	0.0243621596902755
OV	PHC1	cg02770112	-0.68925286692677	10	-2.51696225963759	0.0399877302408057	0.475069514566771	0.122449761713305
OV	PHC1	cg08021945	-0.753967277982004	10	-3.03664720420578	0.0189362182895501	0.568466656267593	0.0697789283111519
OV	PHC1	cg08867249	0.640123861465924	10	2.20443951363835	0.0633147507549886	0.409758558018046	0.171198144228543
OV	PHC1	cg09059548	-0.216596875482651	586	-3.8810291313859	0.000127424728449583	0.046914206468847	0.00118606567563633
OV	PHC1	cg09912793	-0.332116215231894	10	-0.931574501812689	0.382562349841271	0.110301180419958	0.580881738987366
OV	PHC1	cg12581035	0.0314363864609304	586	0.550184097528546	0.582594484505337	0.000988246393720969	0.747733247448703
OV	PHC1	cg14199415	0.621230567314486	10	2.09745177061459	0.0741496698571104	0.385927417765878	0.192254346649248
OV	PHC2	cg06899053	-0.418432437913229	10	-1.21890525662763	0.262357829671582	0.175085705098008	0.457747394961135
OV	PHC2	cg13640100	-0.481686137064862	10	-1.45424857313753	0.189199770227712	0.232021534640469	0.369007127185336
OV	PHC2	cg15586632	-0.496128768439723	10	-1.5118167829351	0.174337227095085	0.246143754873516	0.349645193861196
OV	PHC2	cg16558908	-0.555148833330897	10	-1.76589592785229	0.120758137722914	0.308190227148656	0.271808881604548
OV	PHC2	cg17161743	-0.244585643788037	10	-0.667382741286476	0.525909768161607	0.0598221371472083	0.704702320304037
OV	PHC2	cg19746874	0.121059287177398	10	0.322665885481703	0.756372135009497	0.0146553510118998	0.864117453386918
OV	PHC2	cg21198021	0.167953478107454	586	2.98032165437808	0.00311034329193376	0.0282083708083909	0.0169491486447671
OV	PHC2	cg21578869	-0.412854925552014	10	-1.1992921591844	0.269429933364067	0.170449189552559	0.465375168989637
OV	PHC2	cg23886755	0.0214783624541782	586	0.375804587846889	0.707322568129881	0.000461320053713053	0.833196636887628
OV	PHF1	cg01097444	-0.602863797430379	10	-1.99917206888449	0.0857239349552723	0.363444758252177	0.213340407431794
OV	PHF1	cg02776641	0.142151608440672	10	0.379956299741882	0.71524334027686	0.0202070797822701	0.838088996490361
OV	PHF1	cg03560363	0.113981986957468	10	0.303546258100064	0.770297083353531	0.0129918933507724	0.872707948771638
OV	PHF1	cg03876174	-0.639152196014176	10	-2.19877926167858	0.0638459584524414	0.408515529669744	0.172250129767617
OV	PHF1	cg06618123	0.20256892408404	10	0.547293480678207	0.601181993472123	0.0410341690045656	0.760955938824769
OV	PHF1	cg06919790	-0.668252984856333	10	-2.37659653707807	0.0491273361820656	0.446562051769399	0.142429545371282
OV	PHF1	cg07857404	-0.593327649355229	10	-1.95015323522052	0.0921467471469783	0.352037699489402	0.224575941339349
OV	PHF1	cg08665801	-0.650771318235224	10	-2.26766561199645	0.0576756830436798	0.423503308637611	0.159931528379478
OV	PHF1	cg08798692	-0.681992773638942	10	-2.46716522878752	0.0430112707494878	0.465114143295737	0.129095211878763
OV	PHF1	cg10033570	-0.0813970916651958	10	-0.216073447415838	0.835092015211328	0.00662548653155228	0.911708382474089
OV	PHF1	cg10797813	-0.79231187266096	10	-3.43583704377651	0.0108985491070597	0.627758103559517	0.0456025026481606
OV	PHF1	cg13303256	0.0686398540148629	586	1.20354561805334	0.229695501129435	0.00471142955918169	0.419783384376854
OV	PHF1	cg13528777	-0.753053621159656	10	-3.0281402791166	0.0191648207467186	0.567089756341671	0.0704055565342949
OV	PHF1	cg13547657	-0.256901169781129	10	-0.703301020809706	0.504580873029603	0.0659982110349123	0.687810836454616
OV	PHF1	cg18443095	-0.630802148051155	10	-2.15085911046087	0.0685266413652678	0.397911349985951	0.181528979411232
OV	PHF1	cg20135607	-0.241998246084868	10	-0.65988102732319	0.530435058617496	0.0585631511081525	0.708299808350379
OV	PHF1	cg20872639	-0.443731914762263	10	-1.31003933350937	0.23153272907886	0.196898012178584	0.422003792708404
OV	PHF1	cg23345642	0.211987929611043	10	0.57391102940035	0.58398913101194	0.0449388823007766	0.748752841758597
OV	PHF1	cg23718418	-0.531141289699443	10	-1.65855720558705	0.14116890872646	0.282111069623587	0.303138293183897
OV	PHF1	cg24796663	-0.0958168923652655	10	-0.254679454661264	0.806290663074962	0.00918087686253687	0.894991379533896
OV	PHF1	cg26673053	-0.365532884017035	10	-1.03901025144874	0.333351627407097	0.133614289297811	0.53294881733097
OV	PHF10	cg04353997	-0.484066242219291	10	-1.46362628826286	0.186703021978204	0.234320126856305	0.365724301046795
OV	PHF10	cg05243705	-0.664230814401939	10	-2.35093618716385	0.0510171495130404	0.441202574801063	0.146424206944013
OV	PHF10	cg05736120	-0.283323876381155	10	-0.781632465789314	0.460045957784565	0.080272418927644	0.649890414568858
OV	PHF10	cg07652237	-0.268600622746553	10	-0.737761999662068	0.48465051223906	0.0721462945398363	0.671371878434515
OV	PHF10	cg11442717	-0.0316632796712866	586	-0.553252811583188	0.580495609784717	0.00100256327954211	0.746295309408079
OV	PHF10	cg15342139	0.858360952165396	10	4.42652007159336	0.00305708165935883	0.736783524202284	0.0167092398375719
OV	PHF10	cg15360169	-0.563611325447559	10	-1.80520942471209	0.11401173742519	0.317657726172755	0.261365230624878
OV	PHF10	cg16740543	0.124234910717432	586	2.19019113806236	0.0292648464740835	0.0154343130409683	0.0969180685916022
OV	PHF10	cg27124293	-0.770205468009401	10	-3.19502259208918	0.0151703636252272	0.593216462951581	0.058902139541871
OV	PHF11	cg00092518	-0.400568683195561	10	-1.15665567461545	0.285356407596955	0.160455269957026	0.482587312447773
OV	PHF11	cg01214340	-0.429160518504365	10	-1.25710419261962	0.249034667047473	0.184178750642936	0.442496982510875
OV	PHF11	cg02289189	0.639214770259041	10	2.19914323845163	0.0638116650428214	0.408595522517318	0.172181494583651
OV	PHF11	cg05080330	-0.313126325505496	10	-0.872322173137434	0.411952138573548	0.0980480957245741	0.607607446568418
OV	PHF11	cg09997676	-0.420757471130511	10	-1.22713024853467	0.259439071486843	0.177036849512143	0.454311831789477
OV	PHF11	cg16956501	-0.345157787230733	10	-0.972997551460316	0.362969111810698	0.119133898086016	0.5619594207479
OV	PHF11	cg21320768	-0.258657075831566	10	-0.708451459438874	0.501568734015556	0.0669034828777363	0.685374191459946
OV	PHF11	cg23137039	-0.479051665168083	10	-1.44391748223982	0.191985162134988	0.229490497900313	0.372497660634225

OV	PHF11	cg24481868	-0.444544412555989	10	-1.31302820956285	0.230577095768867	0.19761973473475	0.42089047104103
OV	PHF11	cg24984523	-0.41039964628706	10	-1.19071009299988	0.272574509858598	0.168427869672544	0.468960173823245
OV	PHF11	cg25162948	-0.40755170085746	10	-1.18079450517178	0.276245925413345	0.166098388871809	0.472822421997474
OV	PHF12	cg01406758	-0.381472447777229	10	-1.09184642698418	0.311048557461518	0.14552122841315	0.509951560118044
OV	PHF12	cg02058367	-0.516870879452485	10	-1.59744226233974	0.1541987839878	0.267155506025986	0.321642498509955
OV	PHF12	cg06895197	0.734410990356185	10	2.86290626701031	0.0242366237850711	0.539359502755952	0.0842086744505351
OV	PHF12	cg08657247	-0.322059579344782	10	-0.900044460806511	0.398001426849753	0.103722372647738	0.594624985603028
OV	PHF12	cg08806622	-0.317558932607374	10	-0.886044944293565	0.405002399843642	0.100843675678734	0.601463241090367
OV	PHF12	cg13564075	-0.168654391612396	586	-2.99312267046324	0.0029863934454167	0.0284443038101473	0.0163989194390306
OV	PHF14	cg06715026	0.00389138984091019	10	0.0102957277274111	0.992072625749791	1.51429148939391e-05	0.995784705919427
OV	PHF14	cg07287563	-0.442578127392174	10	-1.3058018886351	0.232893465702157	0.195875398845963	0.423627812168762
OV	PHF14	cg07574654	-0.268390102879408	10	-0.737138863206564	0.485006215710783	0.072033247323619	0.67163738798805
OV	PHF14	cg11931558	-0.177073177706485	10	-0.476013709055477	0.648562551338233	0.0313549102630724	0.794342854964915
OV	PHF14	cg13029706	-0.543510970721995	10	-1.71311809368548	0.130416759222373	0.295404175295166	0.286818798714989
OV	PHF14	cg16800461	-0.379493085870652	10	-1.08522505304385	0.313776065619284	0.14401500222363	0.512834473061611
OV	PHF14	cg20819769	0.255672731537648	10	0.699702192806331	0.506692508460918	0.0653685456519223	0.68964102085707
OV	PHF14	cg20964328	-0.14371486750659	10	-0.384222358687092	0.712218867811296	0.0206539631424368	0.836259219719447
OV	PHF14	cg22876561	-0.182035755950099	10	-0.489805045937607	0.639248153529024	0.0331370164443242	0.788020133706096
OV	PHF14	cg23083824	-0.110004335495066	10	-0.29282121537853	0.778148562825471	0.0121009538277111	0.877284890460483
OV	PHF14	cg24491907	-0.159890902552355	10	-0.428544927730906	0.68113271021106	0.0255651007190066	0.816066871881831
OV	PHF19	cg11054680	-0.520075492215224	10	-1.61100306315312	0.151214261891558	0.270478517602908	0.317453645552457
OV	PHF19	cg11594303	-0.0713453818360324	10	-0.189244394461201	0.855271489278977	0.00509016350932927	0.922994620827466
OV	PHF19	cg13501527	-0.233245759067857	10	-0.634614319498462	0.545853891037587	0.0544035841231406	0.7195967797385
OV	PHF19	cg13793166	-0.568960633719272	10	-1.83048741528746	0.109866822522822	0.323716202722235	0.254730712345854
OV	PHF19	cg13851767	0.151499346171708	10	0.405510253540564	0.697210376900396	0.0229520518904551	0.826399219851686
OV	PHF19	cg13852822	0.212524014822688	10	0.575430924762357	0.583015907630821	0.0451664568763542	0.748064316645755
OV	PHF19	cg14218513	-0.242957219760188	10	-0.662569551107639	0.528756073839031	0.0590282106336004	0.707122965192856
OV	PHF19	cg27207079	0.163235445811635	10	0.437751898720636	0.674755233032142	0.0266458107693232	0.811964299893796
OV	PHF20	cg01512265	-0.52227475987576	10	-1.6203634600362	0.14918565425257	0.272770924803283	0.314626660043855
OV	PHF20	cg02674305	0.150559339832136	10	0.402935644768109	0.699018002551754	0.0226681148106885	0.827352632715797
OV	PHF20	cg02957488	-0.561502721148058	10	-1.79533733045755	0.115671013788171	0.315285305856674	0.263924647210354
OV	PHF20	cg04179482	0.437313862851508	10	1.28656979067562	0.239156823399888	0.191243414642108	0.431009728016747
OV	PHF20	cg09692677	0.14065743464773	10	0.375881483837362	0.718137360001807	0.0197845139216803	0.83992509522778
OV	PHF20	cg10372813	0.00243277558117953	10	0.00643653823045422	0.995044014725485	5.91839702838341e-06	0.997415945077946
OV	PHF20	cg21765224	-0.0209136979559154	10	-0.0553445484855579	0.957410490244602	0.000437382762191259	0.977579872661817
OV	PHF20	cg23538717	0.220543214814199	10	0.598232660401593	0.568527617121233	0.0486393096005819	0.736955296409305
OV	PHF20	cg23734815	-0.140469346233666	10	-0.375368727364852	0.71850188333715	0.0197316372313134	0.84017459584431
OV	PHF20	cg25561939	0.351464956091281	10	0.993257676557809	0.353670074061149	0.123527615360246	0.552686686941548
OV	PHF20	cg27405321	-0.117835415847039	10	-0.313950455209551	0.762707977775176	0.0138851852278446	0.868003341618884
OV	PHF20L1	cg02898212	0.610868947365214	10	2.04135726937856	0.0805513654372874	0.373160870855084	0.204008445214454
OV	PHF20L1	cg05307234	0.329801563695319	10	0.92428649118453	0.386090596924334	0.108769071415878	0.584156268140543
OV	PHF20L1	cg10591701	-0.707410362280964	10	-2.64802456822892	0.0330362899687867	0.500429420662485	0.106063519534142
OV	PHF20L1	cg17646969	-0.378351041483164	10	-1.08141260948512	0.315355230843261	0.143149510591395	0.514518995292266
OV	PHF20L1	cg24511731	0.679035848143837	10	2.44727894366496	0.0442836215978526	0.46108968306442	0.132027749150475
OV	PHF20L1	cg26292018	0.670125992163469	10	2.38867364152472	0.0482628008407292	0.449068845373073	0.140556915566176
OV	PHF20L1	cg27342122	-0.0687168244540895	586	-1.20490163342349	0.2291722984231	0.00472200196305416	0.419171568760316
OV	PHF21B	cg01775414	-0.0131652100505747	586	-0.230317079931728	0.817999285759954	0.000173322755675752	0.902092887023474
OV	PHF21B	cg01995480	-0.242042057701891	10	-0.660007926513196	0.530358307423845	0.0585843576965657	0.708255126990946
OV	PHF21B	cg05064352	-0.0197290889703855	586	-0.345185292120197	0.730192229467533	0.000389236951601388	0.847435123959979
OV	PHF21B	cg10080155	-0.174055414762676	10	-0.467645549267879	0.654247445723704	0.030295287408207	0.798271367616449
OV	PHF21B	cg11428482	-0.11814131430469	10	-0.314776985769754	0.762106268958356	0.0139573701456395	0.867806515667262
OV	PHF21B	cg14786713	-0.135926784045733	10	-0.36299748848119	0.727320337465796	0.0184760906210154	0.845744582783728
OV	PHF21B	cg15679813	-0.118793230258506	10	-0.316538751154348	0.760824304525592	0.0141118315552504	0.86688697164586
OV	PHF21B	cg20495645	-0.299879133458181	10	-0.831681938908929	0.433039855073619	0.0899274946836295	0.626728354025843
OV	PHF21B	cg20525183	-0.207637396673847	10	-0.561596423555236	0.59190851675403	0.0431132884974924	0.754397771099365
OV	PHF21B	cg21715212	-0.221848342912231	10	-0.60195556489539	0.566182216251093	0.049216687252903	0.735244872484184
OV	PHF21B	cg23080354	0.122356658560828	10	0.326176113378304	0.753825943088273	0.0149711518941711	0.86246246660209

OV	PHF21B	cg25561581	-0.356369938473693	10	-1.00912007070377	0.346519076520615	0.126999533047743	0.545862637683827
OV	PHF21B	cg25976257	-0.0169794400990761	10	-0.0449298530396026	0.965418077934352	0.000288301386078114	0.981799492193382
OV	PHF23	cg00039960	0.781845681941168	10	3.31782221456575	0.0128032488596729	0.611282670370049	0.0517464641411781
OV	PHF23	cg01441172	0.821735988712239	10	3.81510742613856	0.00658400932144727	0.675250035144881	0.0308552060935343
OV	PHF23	cg04379155	-0.61365072370165	10	-2.05624780011615	0.0788003387406864	0.376567210699559	0.200733277186318
OV	PHF23	cg11180288	0.724711099982475	10	2.78266806406407	0.0271936400655228	0.525206178437809	0.0917430085978265
OV	PHF23	cg13351208	0.812011161365079	10	3.6809892755342	0.00784941654350012	0.659362126181465	0.0354013282268565
OV	PHF23	cg22033559	-0.70485032159086	10	-2.62894582798844	0.0339646078177622	0.496813975846739	0.108306390415437
OV	PHF23	cg26213471	-0.813618653654322	10	-3.70250546068353	0.00762976000231755	0.661975313574271	0.0346598277150535
OV	PHF23	cg26784276	0.800078430972336	10	3.52862935510383	0.00961550578037702	0.640125495707155	0.0413184189504336
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OV	PHIP	cg04480383	-0.461217911394647	10	-1.37527996570616	0.211442067909469	0.21272196179124	0.397461018024627
OV	PHIP	cg05801338	-0.622700881573276	10	-2.10555392861742	0.0732678646044442	0.387756387912135	0.190647899757104
OV	PHIP	cg06848288	0.00207980133265712	586	0.0363817432507153	0.97100169329322	4.32557358332233e-06	0.98460978011693
OV	PHIP	cg08287994	-0.430349427582467	10	-1.2613769986747	0.247580927851701	0.185200629820557	0.440870526730955
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OV	PHIP	cg15564972	-0.697995208607958	10	-2.5788513816062	0.0365334237935341	0.487197311239667	0.114530774555478
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OV	PHRF1	cg06063517	0.178121924033024	10	0.478925080454297	0.646590565993371	0.0317274198212264	0.792791123648305
OV	PHRF1	cg07530960	-0.416530372852978	10	-1.2121981666668	0.264758448636593	0.173497551509041	0.460372801207785
OV	PHRF1	cg08482978	-0.777208754675085	10	-3.26789746505977	0.0137140582655836	0.604053448343597	0.0544989501794447
OV	PHRF1	cg12469954	-0.63402666647484	10	-2.1692132744578	0.0666944586499708	0.401989813801197	0.177905250178845
OV	PHRF1	cg12813709	-0.712525308933915	10	-2.68677320148657	0.031231335494855	0.507692315871371	0.101721185408698
OV	PHRF1	cg15219216	0.287425424172672	10	0.793958858748304	0.453289064928851	0.0826133744608405	0.643688179126281
OV	PHRF1	cg16143007	-0.328333989430734	10	-0.919675326327392	0.388335483990345	0.107803208615501	0.586082771225989
OV	PHRF1	cg18793109	-0.784995892494971	10	-3.35254345129124	0.0122081968475581	0.616218551233976	0.0498386054554438
OV	PHRF1	cg20152424	0.482005697428455	10	1.45550520765879	0.188863461655031	0.232329492353491	0.368619703346667
OV	PHRF1	cg21006161	-0.346502788795605	10	-0.977305305530163	0.360976353602535	0.120064182643132	0.559833226055214
OV	PPARGC	cg04893087	-0.0636760407971564	586	-1.11614086424778	0.26523753340082	0.00405463817160112	0.460917387213426
OV	PPARGC	cg05158538	-0.0769362931428142	586	-1.34983637330602	0.178066151538467	0.00591919320255703	0.354648448822601
OV	PPARGC	cg11270806	-0.290299953235598	10	-0.8026260077098	0.448579329572005	0.0842740628485902	0.639885220124772
OV	PPARGC	cg12691631	-0.26135835441621	10	-0.716389592606138	0.496949181450651	0.0683081894231491	0.681515788558543
OV	PPARGC	cg20723350	0.252761774546356	10	0.691188699156212	0.511710477730244	0.0638885146718231	0.693757222237238
OV	PPARGC	cg27461259	-0.175323804478983	10	-0.471161082246726	0.651856147298508	0.0307384364169847	0.796520806140581
OV	PPARGC	cg27514608	-0.0965082982070023	10	-0.256534412994894	0.804914479641797	0.00931385162281168	0.893999557826075
OV	PRDM1	cg00555933	-0.414331356026624	10	-1.20446795463676	0.267548227716421	0.171670472586861	0.463307960710783
OV	PRDM1	cg01761420	0.110670817263669	10	0.29461725904698	0.776831765155164	0.0122480297938085	0.876575242065517
OV	PRDM1	cg05170275	-0.221242972255613	10	-0.600228311171147	0.567269664410147	0.0489484527724982	0.735981325747119
OV	PRDM1	cg08742502	-0.0274875747607445	10	-0.0727527769450417	0.944038018571114	0.000755566766227518	0.970124693711892
OV	PRDM1	cg14359052	0.124137298675509	10	0.330996663090714	0.750334642013304	0.0154100689224526	0.860061782857902
OV	PRDM1	cg17143179	0.461857360908403	10	1.37770326643341	0.210726337044638	0.213312221825275	0.396489253230072
OV	PRDM1	cg17521665	0.293812611275589	10	0.813249461186436	0.442853142847512	0.0863258505445803	0.63514098659119
OV	PRDM1	cg17965230	-0.096457210428658	586	-1.69521663296642	0.0910515749644065	0.0093039934436784	0.222667197597719
OV	PRDM1	cg19464016	-0.0122649635102288	586	-0.214565375730348	0.830249108573007	0.000150429329907244	0.908876493756733
OV	PRDM1	cg22186515	-0.386511389067335	10	-1.10878244813201	0.304159369832928	0.149391053878761	0.502757394543235
OV	PRDM1	cg22196848	-0.0088291201980612	10	-0.0233605668746927	0.9820146324146	7.79533634718123e-05	0.990643844758107
OV	PRDM1	cg24040346	0.37112092993848	10	1.05740903538545	0.325444951261734	0.137730744638402	0.524881330073504
OV	PRDM1	cg24793124	0.746090310162423	10	2.9646090567802	0.0209674702344714	0.556650750918261	0.0755124012508898
OV	PRDM1	cg24874254	0.12695914252035	10	0.338642631761067	0.744809896085864	0.0161186238695025	0.856644801089679
OV	PRDM1	cg26351406	-0.847205383671525	10	-4.21916109595885	0.00394070212676594	0.717756962122016	0.0205251058683469
OV	PRDM10	cg04181189	-0.34065164982597	10	-0.958614692909461	0.369683665534114	0.116043546529155	0.568389068190026
OV	PRDM10	cg17627813	-0.418608734063477	10	-1.21952789642007	0.262135908929454	0.175233272234227	0.457489644402871
OV	PRDM12	cg09191327	-0.00122831689446593	586	-0.0214867863790035	0.982871347972719	1.50876239323042e-06	0.991114283694631

OV	PRDM12	cg12539975	0.0676044300168341	586	1.18530627745539	0.236816042911279	0.00457035895790102	0.428150020735784
OV	PRDM12	cg13795948	0.118571079077187	10	0.315938353843249	0.761261098772475	0.0140591007935284	0.867258174574761
OV	PRDM12	cg13928649	0.0146019726615691	10	0.0386373076101721	0.970258390522726	0.000213217605609212	0.984298837253315
OV	PRDM12	cg23342516	0.41875598513458	10	1.22004808340205	0.261950626072106	0.175356575086033	0.457303003337701
OV	PRDM13	cg00126261	-0.069317334104248	10	-0.183838621835287	0.859352088894544	0.00480489280731994	0.925318851780841
OV	PRDM13	cg00579292	-0.276382047969744	10	-0.760875921335094	0.471579257885561	0.0763870364399499	0.65974910897992
OV	PRDM13	cg01422797	0.17375368014092	10	0.466809600530372	0.654816708491184	0.0301903413625131	0.798708211485962
OV	PRDM13	cg01815538	0.136137453382155	10	0.363570704130269	0.726910745014466	0.0185334062133784	0.845413173516034
OV	PRDM13	cg02400433	-0.0423187456848727	10	-0.112065269360038	0.913917516638434	0.00179087623634093	0.954571403479444
OV	PRDM13	cg03120185	0.228966520046966	10	0.622320861092437	0.553453651746326	0.0524256673024176	0.725392090603888
OV	PRDM13	cg04910970	-0.262050482829847	10	-0.718426418450198	0.495768353902176	0.0686704555513561	0.680664348654581
OV	PRDM13	cg11809464	-0.211057679134789	10	-0.571274892950521	0.58567930633985	0.0445453439217637	0.750096077794644
OV	PRDM13	cg13738144	-0.0841806685025092	10	-0.223514476886791	0.829518035675813	0.00708638494952935	0.908408760353783
OV	PRDM13	cg14344102	0.358228374772916	10	1.01515497515192	0.343828231393045	0.128327568492445	0.543190232585812
OV	PRDM13	cg17879189	0.192559386022382	10	0.519180544830999	0.619641012820501	0.0370791171453166	0.774391995748587
OV	PRDM13	cg17978124	-0.130740095504082	10	-0.348900504817426	0.737423149779913	0.0170929725724165	0.852122500520239
OV	PRDM13	cg25273233	0.0604149977443026	10	0.160135571822279	0.877297317213485	0.00364997195244409	0.934974552987271
OV	PRDM13	cg25924096	0.334111323157586	10	0.93787155500004	0.379533389035955	0.111630376262113	0.578044050172558
OV	PRDM13	cg26507427	-0.0948419737475278	10	-0.252064497309663	0.80823193524343	0.00899499998432675	0.896199936861475
OV	PRDM14	cg00384539	-0.275287363009788	10	-0.757614626280864	0.473409040354358	0.075783132232883	0.661453049414974
OV	PRDM14	cg01295203	-0.0364657180907794	586	-0.638314083803059	0.523746661253628	0.0013297485958762	0.702980492243374
OV	PRDM14	cg04838988	-0.352368920420488	10	-0.996173957631649	0.352346851043767	0.1241638560783	0.551285592206488
OV	PRDM14	cg09050331	0.00900468768547107	10	0.0238251301923404	0.981657040359816	8.10844003128743e-05	0.990518921343635
OV	PRDM14	cg10457247	0.0715304960105705	586	1.25448611883044	0.210622730481653	0.00511661185951824	0.39637266632062
OV	PRDM14	cg11229513	-0.436513904155696	10	-1.28366169737025	0.240116470477627	0.190544388521248	0.432098558971467
OV	PRDM14	cg13267264	-0.388782089471689	10	-1.11645231890237	0.301080494767243	0.151151513093973	0.499461691223434
OV	PRDM14	cg18035229	-0.214210238037565	10	-0.580215218216118	0.579958483246382	0.0458860260801104	0.745889100262246
OV	PRDM14	cg21255438	-0.347837202279	10	-0.98158591752906	0.359004490840781	0.120990719289282	0.557976452170053
OV	PRDM14	cg27029821	-0.37386081149809	10	-1.06647861994869	0.321602704392213	0.13977190637401	0.521083056369896
OV	PRDM4	cg00090609	0.0033585990037727	10	0.00888606783596782	0.993157982609891	1.1280187268143e-05	0.996437637722882
OV	PRDM4	cg03909902	-0.200396656315464	10	-0.541177586683211	0.605171761618036	0.0401588198624184	0.763880709761541
OV	PRDM4	cg12900929	-0.29520950386947	10	-0.817484118219673	0.440584934643239	0.0871486511748587	0.633198527243485
OV	PRDM4	cg18440127	-0.321742784154574	10	-0.899056841340509	0.398492378381982	0.103518419155537	0.595107042997925
OV	PRDM4	cg25995916	0.416655862493611	556	7.83202963674219	8.952680377159e-14	0.173602107750295	5.95778286792735e-12
OV	PRDM4	cg27140793	-0.299031495218692	10	-0.829099893735309	0.434405172309631	0.0894198351327265	0.627909995812995
OV	PRDM5	cg05713693	0.367557560376123	10	1.04566138475214	0.330475987216317	0.135098560189647	0.530145717171291
OV	PRDM5	cg06329345	0.233228855986805	10	0.634565683990985	0.545883831951017	0.0543956992649137	0.7195967797385
OV	PRDM5	cg07070341	-0.20756081825998	10	-0.561379975455149	0.592048251952494	0.0430814932767526	0.754488509382889
OV	PRDM5	cg10416963	-0.187565312421247	10	-0.505217707727539	0.628920761626557	0.0351807464236799	0.780896059788304
OV	PRDM5	cg11171429	-0.241313510704937	10	-0.657898265888044	0.531635170585765	0.0582322104487415	0.709273900229989
OV	PRDM5	cg13155001	-0.309180442646177	10	-0.860159456141252	0.418183935675836	0.0955925461148861	0.613572001508195
OV	PRDM5	cg18181323	-0.449434797980351	10	-1.33110401664445	0.224870602938379	0.201991637635639	0.414147341027185
OV	PRDM5	cg19294653	-0.334692677591742	10	-0.939709117013218	0.378652912472961	0.11201918843353	0.577229399572937
OV	PRDM5	cg22135105	-0.660094676042471	10	-2.32492976765943	0.0530081967717708	0.435724981339615	0.150544672154758
OV	PRDM8	cg01304890	0.712309003332303	10	2.68511721037396	0.0313063299659282	0.507384116228259	0.101909977126513
OV	PRDM8	cg02895669	0.301427370007163	10	0.836403715266611	0.430550983560853	0.0908584593894353	0.624543785477028
OV	PRDM8	cg04343891	0.0194225995670135	10	0.0513970636298139	0.96044504154358	0.000377237373940554	0.979240439431187
OV	PRDM8	cg05007549	-0.0209187771391779	10	-0.0553579955647924	0.957400154330708	0.000437595236998592	0.977579872661817
OV	PRDM8	cg07462804	-0.155489873380064	10	-0.41645264739525	0.68955137368118	0.0241771007237483	0.821535166351466
OV	PRDM8	cg08074201	0.167144194573152	10	0.448531709110431	0.667324569415746	0.0279371817795076	0.807080632948224
OV	PRDM8	cg10695325	-0.205206974673882	10	-0.554732098080013	0.596349032230132	0.0421099024548072	0.757513129881143
OV	PRDM8	cg11571772	-0.0407309228324829	10	-0.107853394447582	0.917138275114167	0.00165900807478568	0.956270791500474
OV	PRDM8	cg12572049	0.337007773266459	10	0.947038759696987	0.375156213863	0.113574239242017	0.573875503886774
OV	PRDM8	cg14489346	-0.376448818761664	10	-1.07507527001263	0.317994382388052	0.141713713147052	0.517306688188167
OV	PRDM8	cg15656813	0.13351000918729	10	0.356425190922557	0.732023388624353	0.0178249225531902	0.848648583149875
OV	PRDM8	cg16117799	-0.0297113816368483	10	-0.0786436465597203	0.939516979049036	0.000882766198770445	0.967736085663075
OV	PRDM8	cg18624348	-0.00945874619485139	10	-0.025026609709949	0.980732237069275	8.94678795786156e-05	0.990066386575959

OV	PRDM8	cg19595012	0.0931251543252641	10	0.247461364596686	0.811652687647847	0.00867229436810425	0.898532974483103
OV	PRDM8	cg20142271	0.167213705133839	10	0.448723605189777	0.667192651511559	0.0279604231845866	0.806983816842722
OV	PRDM8	cg26162932	0.132775580674188	10	0.354429238088028	0.73345412657155	0.0176293548233677	0.849577691419927
OV	PRKAA1	cg00301775	-0.594978947624963	10	-1.95854855503097	0.0910141221902428	0.353999948116909	0.222596599021245
OV	PRKAA1	cg01883943	-0.37914304804685	10	-1.08405592059015	0.314259657379215	0.143749450882256	0.513325529862153
OV	PRKAA1	cg03125217	-0.261784726914757	10	-0.717644199745691	0.4962216193873	0.0685312432458338	0.681049495299463
OV	PRKAA1	cg05874655	0.563622894421639	10	1.80526373056959	0.114002673417403	0.317670767116225	0.261352153469483
OV	PRKAA1	cg06971720	-0.615205987667777	10	-2.06462633696386	0.077831739419382	0.378478407262284	0.19898262632329
OV	PRKAA1	cg10786880	-0.132638185587852	586	-2.34090363892509	0.0198790213352785	0.0175928882760375	0.0724522872460993
OV	PRKAA1	cg24728477	-0.00084522928301720	10	-0.0022362672825017	0.998278114069105	7.14412540869777e-07	0.999036231260181
OV	PRKCD	cg02121118	-0.295939236771774	10	-0.819698572660691	0.439402062691165	0.08758003186106	0.63208901968335
OV	PRKCD	cg02559423	-0.245897205567057	10	-0.671191166921357	0.523621679974907	0.0604654357056874	0.702944434741912
OV	PRKCD	cg02630105	0.144253059156198	586	2.55006955598488	0.0112573423888114	0.0208089450759217	0.0467642277884974
OV	PRKCD	cg10531918	-0.567123760020066	10	-1.8217691390309	0.111279708985362	0.321629359179298	0.257003137418573
OV	PRKCD	cg13469346	-0.307141465156275	10	-0.853893859188759	0.421420676130409	0.0943358796183435	0.616544170777847
OV	PRKCD	cg13889007	-0.869291662524372	10	-4.6529068102639	0.00233388225823828	0.755667994534386	0.0134679946886276
OV	PRKCD	cg13908523	-0.130432557911123	586	-2.30129747282306	0.0220466088453092	0.0170126521632384	0.0783935409320772
OV	PRKCD	cg14727059	0.0536061211135155	10	0.142032685750412	0.891055680991091	0.00287361622083689	0.942381675700361
OV	PRKCD	cg21903826	0.285455329565969	10	0.788032246160111	0.456529226959851	0.0814847451776159	0.646778144308329
OV	PRMT1	cg07702240	0.663882442538812	10	2.34873102322096	0.0511829778113171	0.440739897511298	0.146762993926103
OV	PRMT1	cg08377944	-0.507645262783659	10	-1.55890881807313	0.16298023363787	0.25770371282669	0.333760247857861
OV	PRMT1	cg11787855	-0.472042985055525	10	-1.41667764126732	0.199506831718806	0.222824579740131	0.382289316508239
OV	PRMT1	cg14258555	0.0857048251291573	10	0.227591058275689	0.826468756315001	0.00734531705041943	0.906741371497443
OV	PRMT1	cg14576628	-0.0915635642530639	586	-1.60846500112204	0.108764583045891	0.00838388629872496	0.252913823747484
OV	PRMT1	cg18880319	-0.547817190367942	10	-1.73247836275761	0.126791346968578	0.300103674062626	0.281270846528845
OV	PRMT1	cg22292364	0.00629394961866566	10	0.0166525552941382	0.98717849438829	3.96138018023016e-05	0.993217415610799
OV	PRMT1	cg24228123	-0.535076185581892	10	-1.67574826784413	0.137694063352456	0.286306524376868	0.297802862121041
OV	PRMT1	cg25595446	-0.0389127511326665	586	-0.681211080894673	0.496253124340741	0.00151420220071284	0.681049495299463
OV	PRMT1	cg26846726	0.76755803485588	10	3.16822584210259	0.0157467223619674	0.58914533687182	0.0605716237849532
OV	PRMT2	cg04493422	0.374847493147786	10	1.06975267022854	0.320224622063087	0.14051064311918	0.519629424684002
OV	PRMT2	cg06725035	-0.0832780809329396	586	-1.46184940831558	0.144808658557741	0.00693523876387323	0.308358053919495
OV	PRMT2	cg09031657	-0.436184609860794	10	-1.28246570602883	0.24051210087202	0.190257013879413	0.432600364736953
OV	PRMT2	cg10187059	-0.23252205074267	10	-0.63253252570015	0.547136374646083	0.054066504081577	0.720546706979652
OV	PRMT2	cg10657630	0.405896884200347	10	1.17505200616597	0.278391006667944	0.16475228060355	0.475302314775069
OV	PRMT2	cg12162201	-0.40508237263164	10	-1.17223059915266	0.279450004401577	0.164091728616879	0.476493372839213
OV	PRMT2	cg13271076	-0.0416272646684609	586	-0.728811460051057	0.466674413374189	0.00173282916377809	0.655886584561008
OV	PRMT2	cg17243659	-0.494628345755901	10	-1.50576075608752	0.175849171564522	0.244657200425219	0.351662179704645
OV	PRMT2	cg23283320	-0.0502841752498525	10	-0.133207937202832	0.897777519261425	0.00252849828055788	0.945941575358218
OV	PRMT3	cg01769160	-0.527005441001913	10	-1.64064928777861	0.144876134574955	0.277734734845621	0.308470812179728
OV	PRMT3	cg04101203	-0.0582705219609077	10	-0.15443171568308	0.881627643264373	0.00339545372959662	0.937163053127851
OV	PRMT3	cg06578097	0.0945368318159071	10	0.251246186780096	0.808839724863755	0.00893721256978911	0.896660714384775
OV	PRMT3	cg13432154	-0.0790728528389379	10	-0.209864222550374	0.839751073939923	0.00625251605608833	0.914184089645709
OV	PRMT3	cg13982511	0.184141372496875	10	0.495668320732135	0.635309120751633	0.0339080450650328	0.78519378717197
OV	PRMT3	cg19653624	-0.13731222592089	10	-0.366768096961933	0.724627801032655	0.0188546473873495	0.844014001400425
OV	PRMT3	cg23019633	-0.0605506926263874	10	-0.160496565791038	0.877023403060561	0.00366638637753525	0.934920074586898
OV	PRMT3	cg23071995	0.637600784619097	10	2.18977866234056	0.0646999102951889	0.406534760546888	0.173956757499963
OV	PRMT6	cg00944433	-0.0432668954877505	10	-0.114580744668636	0.911994792720224	0.00187202424514792	0.953299770508344
OV	PRMT6	cg02990361	0.453652084610131	10	1.34681221934123	0.220012201100857	0.205800213871118	0.408156368875854
OV	PRMT6	cg02993280	-0.140280127631394	10	-0.3748529316671	0.718868646596139	0.0196785142082801	0.840439240367594
OV	PRMT6	cg09367891	0.442291855456451	10	1.30475176564358	0.233231755011333	0.19562208540311	0.423995306460208
OV	PRMT6	cg14671364	-0.221548921500938	10	-0.601101159351828	0.566719981396391	0.0490839246182287	0.735654011299322
OV	PRMT6	cg14828511	0.40465030756678	10	1.17073531436653	0.280012608702961	0.163741871413889	0.477180742200178
OV	PRMT6	cg22528358	0.355617566509449	10	1.00668079982429	0.347611351775186	0.126463853610102	0.546899404578598
OV	PRMT7	cg00894222	-0.923304795651362	10	-6.36042227099313	0.000381408157224066	0.852491745672804	0.00298653912260583
OV	PRMT7	cg02477175	-0.720631619010706	10	-2.74998141311895	0.028504737862168	0.519309930317991	0.0950328925279721
OV	PRMT7	cg06089844	-0.373413369463135	10	-1.06499528659671	0.322228614516405	0.139437544493812	0.521661107477275
OV	PRMT7	cg06092312	0.556202661768224	10	1.77074759016764	0.119905336499258	0.309361400958057	0.270584675599758

OV	PRMT7	cg06745885	-0.381261405920134	10	-1.09113961428652	0.311338795392371	0.145360259644197	0.510197697047293
OV	PRMT7	cg09175928	-0.748966658629321	10	-2.99057732619059	0.0202098213697072	0.56095105573837	0.0734022523756945
OV	PRMT7	cg09779635	-0.297250572155288	10	-0.82368192039529	0.437279950641421	0.0883579026466463	0.630168509506849
OV	PRMT7	cg10233539	0.0575735500718601	10	0.152578382311495	0.883035623607384	0.00331471366787698	0.937877988980992
OV	PRMT7	cg10446007	0.259096486719825	10	0.709741517880448	0.500816097979583	0.0671309894305563	0.684634360029938
OV	PRMT7	cg11893236	-0.0775093047133826	586	-1.35995031707348	0.174846755003178	0.00600769231715199	0.350314939186083
OV	PRMT7	cg19328639	0.18699097803933	10	0.503637225827055	0.629975744648452	0.0349686625794849	0.781719379822017
OV	PRMT7	cg21918026	0.0119566107293311	586	0.209170218042447	0.834454538979474	0.000142960540132756	0.911249002012539
OV	PRMT7	cg26492318	-0.796586655019184	10	-3.48632797719841	0.0101789540235725	0.634550298954652	0.0432246397960764
OV	PRMT7	cg26561196	-0.184593572564885	10	-0.496928429820924	0.6344642053459	0.0340747870322675	0.784719009082621
OV	PRMT7	cg26796563	-0.172706576789947	10	-0.463909674858765	0.656793401293161	0.029827561666502	0.800065544371548
OV	PRMT8	cg01693063	0.408234375488578	10	1.18316756179895	0.275363519484559	0.16665530533055	0.471828858046773
OV	PRMT8	cg06029846	-0.589776727735207	10	-1.9322282912404	0.0946114576191822	0.347836588578048	0.228926121552258
OV	PRMT8	cg07912789	-0.389198258909454	10	-1.11786062861018	0.300517934965479	0.151475284738151	0.498812949023455
OV	PRMT8	cg10350722	0.940034630869215	10	7.29185252077996	0.00016390562486936	0.883665107233421	0.00146848717967143
OV	PRMT8	cg11596580	0.373461613180749	10	1.06515517973715	0.322161098917358	0.139473576519568	0.521629282961681
OV	PRMT8	cg19656577	-0.276009692554553	10	-0.759766237861185	0.472201319988648	0.0761813503840586	0.660263668976865
OV	PRMT8	cg21667836	0.239754935530272	586	4.31999796067312	2.11149435930768e-05	0.057482429111125	0.00025091322681297
OV	PRMT8	cg23739862	-0.0181861159658343	586	-0.318179722959559	0.750565651072264	0.000330734813922774	0.860202652739612
OV	PRMT8	cg24100636	-0.18037773404129	10	-0.485193046947896	0.64235536328522	0.0325361269378704	0.78997997713722
OV	PRMT8	cg27316886	-0.135080688645268	10	-0.36069583009823	0.728965953815791	0.0182467924448797	0.84676402051338
OV	PWWP2E	cg00259755	-0.0904311724252258	586	-1.58840761904456	0.11322687240837	0.00817779694620091	0.260302352674037
OV	PWWP2E	cg05010219	-0.735226171253678	10	-2.86981833210346	0.0239982396692767	0.540557522896342	0.0835871527571843
OV	PWWP2E	cg15012692	-0.329915354020783	10	-0.924644337393511	0.38591679069396	0.108844140818659	0.583983559595517
OV	PWWP2E	cg15278699	-0.733545809369956	10	-2.85559966062374	0.0244913296216768	0.538089454444224	0.0848865447355191
OV	PWWP2E	cg17803807	-0.127644238197097	576	-2.2179235426439	0.0273164860201929	0.0162930515449173	0.0920454256777707
OV	PWWP2E	cg19919881	-0.273205732788863	10	-0.751421797138393	0.476896745844662	0.0746413724286996	0.664619147744391
OV	PWWP2E	cg22633292	-0.661274795806843	10	-2.33231118688573	0.0524351593845919	0.437284355569382	0.149369833723862
OV	PWWP2E	cg22664157	-0.514794424676514	10	-1.58870445909765	0.156150737691571	0.265013299678023	0.32452281235655
OV	PWWP2E	cg24520806	-0.723646051677227	10	-2.77407587533748	0.0275320362888211	0.523663608108039	0.0925915282315643
OV	PYGO1	cg06364757	-0.682431536046225	10	-2.47013519468119	0.0428245017955256	0.465712801390411	0.128718387013412
OV	PYGO1	cg09275667	-0.379030651407914	10	-1.08368062917215	0.314415017522414	0.143664234706707	0.513425732013827
OV	PYGO1	cg11480800	-0.525769048013058	10	-1.6353273019886	0.145995332664178	0.276433091848557	0.310002481351559
OV	PYGO1	cg12686317	-0.295220312518907	10	-0.817516906801733	0.440567403998392	0.087155032923761	0.633193552812794
OV	PYGO1	cg13878116	0.475660252670903	10	1.43069250567828	0.195604577631079	0.226252675970947	0.377411704462714
OV	PYGO1	cg17841803	-0.353248067950249	10	-0.999013230725526	0.351062260735677	0.124784197510584	0.54999306404322
OV	PYGO1	cg19850348	-0.0396320637655502	586	-0.693823080187621	0.488319518895221	0.00157070047831664	0.674353019596592
OV	PYGO1	cg22510134	0.53217850846068	10	1.66307403921977	0.140248014589631	0.283213964867434	0.30171881438527
OV	PYGO1	cg23030278	-0.472985855293536	10	-1.4203217881764	0.198485522188597	0.223715619307757	0.381124115922848
OV	PYGO1	cg23412777	-0.144114103381882	586	-2.54756100562128	0.0113368712260646	0.0207688747935638	0.0470217829046954
OV	PYGO1	cg25902187	-0.346938817278728	10	-0.978703280203523	0.36033146315555	0.120366542934763	0.559223397166903
OV	PYGO2	cg01277844	0.00181315689302503	586	0.0317173439991368	0.974718140708632	3.28753791872419e-06	0.986765720367498
OV	PYGO2	cg02341811	-0.17920757393808	10	-0.481940673679833	0.644551192852292	0.0321153545567726	0.791510899711938
OV	PYGO2	cg04602755	-0.300799054705309	10	-0.834486619465571	0.431560265504138	0.0904800713116074	0.625436377254213
OV	PYGO2	cg10892866	-0.013674799577834	586	-0.239233664940658	0.811084553595768	0.000187000143493928	0.898121297593469
OV	PYGO2	cg14024356	0.104192919450149	10	0.277177199572562	0.78965083375941	0.0108561644635453	0.884217073458841
OV	PYGO2	cg18188585	-0.510901614573124	10	-1.57242553543437	0.159848533153502	0.261020459773425	0.329585390621351
OV	PYGO2	cg24683561	-0.308962047727678	10	-0.859487723074306	0.41853008541125	0.0954575469360797	0.613975664048328
OV	PYGO2	cg27105205	0.010401767692927	10	0.0275219794458822	0.978811603370467	0.00010819677113762	0.989094294612233
OV	RBBP4	cg05797186	-0.739066490188909	10	-2.90274917366733	0.0228959873444372	0.546219276920153	0.0806506877732915
OV	RBBP4	cg06526778	-0.113838256417443	10	-0.303158459542261	0.770580482783009	0.0129591486241634	0.872878760184189
OV	RBBP4	cg09036220	-0.145025706514434	10	-0.387801837827946	0.709685429195078	0.0210324555500107	0.834632464757845
OV	RBBP4	cg11229946	-0.348070709187231	10	-0.982335671502626	0.358659971873449	0.121153218594102	0.557608094886349
OV	RBBP4	cg13641837	0.718636460738453	10	2.7342130267442	0.0291607508043905	0.51643836270269	0.0966937235444677
OV	RBBP4	cg16148416	0.00877514408516427	10	0.0232177429050263	0.982124570351605	7.70031537153935e-05	0.990682280360114
OV	RBBP4	cg16396527	0.0180175925339838	10	0.0476778086074897	0.963304790214002	0.000324633640720668	0.98069861073493
OV	RBBP4	cg18758482	-0.365930929045525	586	-6.87823765453567	3.42081888981738e-11	0.133905444832121	1.47189814554454e-09

OV	RBBP4	cg20740619	0.793412036766968	10	3.44869873498216	0.0107101817744677	0.629502660086709	0.0449666944229555
OV	RBBP4	cg22358606	0.168059188819602	10	0.451058263082419	0.665588715575872	0.0282438909467026	0.805836605429406
OV	RBBP4	cg22857567	-0.26302476078669	10	-0.721295584449574	0.494108104238129	0.0691820247868956	0.679319579982337
OV	RBBP4	cg23016766	0.108879293627197	10	0.289790343811955	0.780372465358573	0.0118547005807573	0.878671542894224
OV	RBBP4	cg26131911	-0.124310089261379	586	-2.19153728900651	0.0291664210056285	0.0154529982921721	0.096704281452153
OV	RBBP5	cg00960017	-0.504363104082721	10	-1.54537605241924	0.166172237026484	0.254382140759958	0.338514795413174
OV	RBBP5	cg02189925	0.166129259368248	10	0.445730584681984	0.669251620971261	0.0275989308182425	0.808271139742157
OV	RBBP5	cg03143531	-0.53664061697516	10	-1.68262534024871	0.136326678177075	0.28798315178748	0.29574449531811
OV	RBBP5	cg05290904	-0.355345215157397	586	-6.65001487026808	1.34744607765307e-10	0.126270221935257	5.24640741566283e-09
OV	RBBP5	cg07601985	0.203135613967643	10	0.548890344357121	0.600142663863476	0.0412640776620114	0.76025888931111
OV	RBBP5	cg07972983	0.245146113501243	10	0.669009717509604	0.524931520382393	0.0600966169647644	0.704005149409163
OV	RBBP5	cg14717946	-0.327003805346852	586	-6.05300637623718	4.1540329962427e-09	0.106931488711322	1.22269709765306e-07
OV	RBBP5	cg18131828	-0.470954818819962	10	-1.41247970624116	0.200689165011057	0.221798441369743	0.383729363979506
OV	RBBP5	cg21214746	0.165111353048538	10	0.442922723386212	0.671185992542104	0.0272617589055191	0.809576197883793
OV	RBBP5	cg23227967	0.395428565603144	10	1.1390412264791	0.292160379141254	0.15636375049496	0.489876811253443
OV	RBBP5	cg24103461	0.0502917613087157	10	0.133228084404453	0.897762162588463	0.00252926125553283	0.945938206690959
OV	RBBP5	cg26795850	0.0814190818292989	10	0.216132211117376	0.835047955753529	0.00662906688592607	0.911705060416965
OV	RBBP7	cg01947226	-0.293128553378753	10	-0.811177833464468	0.44396574511758	0.0859243488059205	0.635986284677145
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OV	RBBP7	cg03171708	0.163153209293689	10	0.437525330811445	0.674911831331614	0.0266189697028304	0.812061578302013
OV	RBBP7	cg03811055	-0.470738338844398	10	-1.41164555791311	0.200924843686267	0.221594583657983	0.384066718013893
OV	RBBP7	cg07096248	-0.64154524285338	10	-2.2127518185227	0.0625427114318532	0.411580298627803	0.169693348672209
OV	RBBP7	cg08363715	-0.437527865299187	10	-1.28734839429529	0.238900453073979	0.191430632913264	0.430687380571865
OV	RBBP7	cg14719055	-0.218282712465602	586	-3.91274149501544	0.000112489581509793	0.0476473425613408	0.00106667656069878
OV	RBBP7	cg15289846	0.170725337948768	10	0.458427111643657	0.660538564083219	0.0291471410177209	0.802511786121744
OV	RBBP7	cg15464143	0.113271273220389	10	0.301628873219664	0.771698655747938	0.012830381336968	0.873456303927705
OV	RBBP7	cg16978043	-0.808620636776091	10	-3.63640751981375	0.00832669802706412	0.653867334220171	0.0370512581546317
OV	RBBP7	cg17878446	0.0975047269320358	10	0.259208370985417	0.802931990524606	0.00950717177409086	0.892562248447761
OV	RBBP7	cg17880859	-0.0981284666223488	586	-1.72487175765443	0.0855603149542051	0.00962919596165342	0.213035435333102
OV	RBBP7	cg21122900	-0.180716616171328	10	-0.486135341632166	0.641719890410371	0.032658495360415	0.789593899966813
OV	RING1	cg01241018	-0.183606718022218	10	-0.494178862904353	0.636308568297347	0.0337114269028901	0.785946618708371
OV	RING1	cg01878788	-0.172553686346764	10	-0.463486384637073	0.65708217810265	0.0297747746718574	0.800254414229406
OV	RING1	cg02475416	0.198233239745172	10	0.535094877684033	0.609154275380707	0.0392964173398667	0.766776239775187
OV	RING1	cg03037740	0.720710364857233	10	2.75060666623688	0.0284790461853213	0.519423430012646	0.094967590507132
OV	RING1	cg06316695	-0.424203424054763	10	-1.23937473288863	0.255144978144246	0.179948544979785	0.44941240840813
OV	RING1	cg06671577	-0.202081859999745	10	-0.545921451136221	0.602075783808335	0.0408370781409564	0.761591602042043
OV	RING1	cg07946923	-0.649805566707681	10	-2.26183773915257	0.0581735006924127	0.422247274524291	0.160977103577191
OV	RING1	cg08892712	-0.0174912513370211	10	-0.0462845819408432	0.964376198845544	0.000305943873334842	0.981304374156205
OV	RING1	cg09478665	-0.404366822022308	10	-1.16975474102656	0.280382063061555	0.163512526752421	0.477592830913207
OV	RING1	cg09724776	0.599868188709318	10	1.98363247691001	0.0877108460902091	0.359841843825398	0.21686989672764
OV	RING1	cg09832551	-0.312786262879582	10	-0.87127201190324	0.412487535143421	0.0978352462461749	0.608150389632281
OV	RING1	cg09869033	0.0291192127867849	10	0.0770748793331478	0.940720727600608	0.000847928553322055	0.968336482736439
OV	RING1	cg10265934	0.889785682192857	10	5.15833029962326	0.00131187499121592	0.791718560235409	0.00840866796297696
OV	RING1	cg12065531	-0.526144056769031	10	-1.6369399886141	0.145655337842204	0.276827568473373	0.309571808874437
OV	RING1	cg12115664	-0.513610717635763	10	-1.58374042503083	0.157269846524623	0.263795969270324	0.32594443842009
OV	RING1	cg12256228	0.0303554604907695	586	0.531248506538332	0.595631981599764	0.00092145398160667	0.756973100102463
OV	RING1	cg14046664	-0.672817056176274	10	-2.40617084741209	0.0470378014342451	0.452682791081707	0.137981098219293
OV	RING1	cg14363494	-0.172071340707713	586	-3.05559488453349	0.0024439679655847	0.0296085462929497	0.0139706109129764
OV	RING1	cg18189601	-0.121133500361977	586	-2.13469021896101	0.0335806394821041	0.0146733249099452	0.107350411665125
OV	RING1	cg20505183	0.340251574732386	10	0.957341354483541	0.370282650770224	0.115771134107869	0.568946642978843
OV	RING1	cg24536938	0.370115778532179	10	1.05408982566738	0.326860217260324	0.136985689518481	0.526356656969708
OV	RING1	cg24550302	-0.636836505817917	10	-2.18536119233562	0.0651232228108741	0.405560735142374	0.17484714392922
OV	RNF17	cg00202166	0.112933631250774	10	0.300718137099351	0.772364707538775	0.0127540050674858	0.873777940206085
OV	RNF17	cg01405147	0.258101312926719	10	0.706820480140183	0.502521317876791	0.0666162877344961	0.686109435271633
OV	RNF17	cg07131398	0.299801897995791	10	0.83144657528405	0.43316418179077	0.0898811780418785	0.626803339934733
OV	RNF17	cg12020676	0.314152621592966	10	0.875493777876638	0.410338248593123	0.0986918696537334	0.606228184981657
OV	RNF17	cg14855529	0.362467009420458	10	1.02897109583206	0.337729495989906	0.13138233291821	0.537155062378123

OV	RNF17	cg15523998	0.121550399468662	10	0.323994463130554	0.755408049156116	0.0147744996109913	0.86351059842849
OV	RNF17	cg17806989	-0.646207891341055	586	-14.8120974274844	8.45335044840597e-38	0.417584638831453	3.23950711715908e-35
OV	RNF17	cg20477497	0.304738220674293	10	0.846525563103459	0.425250055318025	0.0928653831397343	0.62008027597253
OV	RNF17	cg21831927	0.137554510681089	10	0.36742722209359	0.724157200147625	0.0189212434087138	0.843787644279479
OV	RNF17	cg23678722	0.236170398080136	10	0.643038638342038	0.540682823133933	0.0557764569293298	0.715898143834992
OV	RNF17	cg24753530	0.324096642343117	10	0.906403153181354	0.394851181388018	0.105038633578082	0.591526881855558
OV	RNF20	cg04845236	-0.463833143852145	10	-1.38520811928899	0.208523340762289	0.215141185335765	0.393716494284845
OV	RNF20	cg14625770	0.610584233235754	10	2.03984006803987	0.0807319291804065	0.372813105876093	0.204322327368747
OV	RNF20	cg21219529	-0.514309522278893	10	-1.58666946563469	0.15660861775878	0.264514284706743	0.325117617611389
OV	RNF217	cg00991794	-0.214783586594508	10	-0.581843206592274	0.578920214987704	0.0461319890704004	0.745058992237651
OV	RNF217	cg02312409	-0.431611683327402	10	-1.26592222322295	0.246042491614241	0.186288645184714	0.439055206997068
OV	RNF217	cg03113502	-0.534413248798408	10	-1.67284136814628	0.138275926537522	0.285597520491269	0.298650695623114
OV	RNF217	cg06993703	-0.697351518113366	10	-2.57421978692221	0.0367809001423471	0.486299139815016	0.115083994114698
OV	RNF217	cg07439975	-0.150483198319336	10	-0.402727147782819	0.699164479574851	0.0226451929764167	0.82743787878489
OV	RNF217	cg10621825	-0.201911628502031	10	-0.545442019144645	0.602388276529179	0.040768305724342	0.761748375361917
OV	RNF217	cg16203203	-0.655950921357249	10	-2.29925127656889	0.055051801057265	0.430271611229424	0.154738584797806
OV	RNF217	cg17382198	-0.38962411143495	10	-1.11930254081048	0.299942841534084	0.151806948211474	0.498218659782734
OV	RNF217	cg18192252	-0.593204660964817	10	-1.94952947858568	0.0922314485935721	0.351891769790383	0.224726049608129
OV	RNF217	cg19171596	-0.326867293433414	10	-0.915074379436645	0.390585092409932	0.106842227516486	0.587902961824515
OV	RNF217	cg19478500	-0.725056181238328	10	-2.78546096897947	0.0270845859470516	0.525706465951907	0.091470296469066
OV	RNF217	cg20034100	0.100829209555039	586	1.77282557499447	0.0772523956994853	0.0101665294994941	0.198017414107468
OV	RNF217	cg23521835	-0.24549688979765	10	-0.670028341904524	0.524319636535634	0.0602687229003196	0.703490526779765
OV	RNF217	cg24822696	-0.162671114924443	10	-0.436197312152925	0.675830073011734	0.0264618916307614	0.812617269198517
OV	RPA3	cg26322315	-0.0169172589981191	576	-0.291588490740551	0.770804827981242	0.000286193652009443	0.873016201088617
OV	RPH3A	cg00851732	-0.167248988684804	10	-0.448821014246806	0.667125693019208	0.0279722242160896	0.806927920933147
OV	RPH3A	cg00854817	-0.0821375820215019	10	-0.218052414431763	0.833608588950972	0.00674658238033895	0.910734300042861
OV	RPH3A	cg01119407	0.204381937863149	10	0.552404361381551	0.59785905769169	0.0417719765246961	0.758564992582664
OV	RPH3A	cg01573562	-0.0724185795650994	586	-1.27014273996161	0.204998730615517	0.00524445066622663	0.389204911519306
OV	RPH3A	cg05967001	-0.156067992224783	10	-0.41803962108844	0.688443794974567	0.024357218197075	0.820982549034283
OV	RPH3A	cg08254200	-0.429361296021038	10	-1.25782520114588	0.248788846592882	0.184351122520865	0.442201597784835
OV	RPH3A	cg09384610	-0.0919570389533982	10	-0.244330691546565	0.813981731092088	0.0084560970130768	0.899884722848258
OV	RPH3A	cg11596863	-0.266004437051976	10	-0.730085242064378	0.489044692139865	0.0707583605313384	0.675051323335258
OV	RPH3A	cg16403344	-0.247466179950939	10	-0.675752207180794	0.520889677912133	0.0612395102195106	0.701086378717563
OV	RPH3A	cg17453780	0.0903948062611815	10	0.24014532996976	0.817098553825678	0.00817122099899653	0.901649170857952
OV	RPH3A	cg18629535	-0.243259995732096	10	-0.663537372076731	0.528226400515286	0.0591754255235793	0.706657574275354
OV	RPH3A	cg19712198	0.121229932134909	10	0.323127494091255	0.756037114655433	0.0146966964454346	0.863934106834239
OV	RPH3A	cg20704159	0.241495823067152	10	0.65842607858133	0.531315535041674	0.0583202325588812	0.70904656968182
OV	RPH3A	cg21900624	0.152183638227738	10	0.407385187325873	0.695895315854732	0.0231598597442309	0.825679166055623
OV	RPH3A	cg23199238	-0.318578550433623	10	-0.889210635498018	0.403411422119809	0.101492292796388	0.599853206414408
OV	RPH3A	cg23549179	0.240341768654077	10	0.655086220556945	0.533340116637241	0.0577641657597697	0.710420030369631
OV	RPH3A	cg23596620	0.0205760958451771	10	0.0544507603441822	0.958097507897308	0.000423375720229916	0.977917888758433
OV	RTF1	cg04910470	-0.776817802276093	10	-3.26375061273434	0.01379277703050751	0.60344589793306	0.0547418650408975
OV	RTF1	cg07091958	-0.209029874538685	586	-3.73912958624954	0.000220374680041461	0.0436934884496586	0.00188331625388832
OV	RTF1	cg07129439	0.600793694459651	10	1.98841947136798	0.0870939881913932	0.360953063302476	0.215735519243496
OV	RTF1	cg15581235	-0.182875714612922	10	-0.492143144029763	0.63767587900933	0.0334435269951868	0.786859254070434
OV	RTF1	cg18782716	-0.0337125078902731	10	-0.089245641684911	0.931386455836559	0.00113653318825173	0.963680928157119
OV	RTF1	cg22263512	0.215702817561359	10	0.584454624006766	0.577256992316543	0.0465277055039089	0.743852685234188
OV	RTF1	cg24280607	-0.0537339512601986	10	-0.142372359101686	0.890797138790747	0.0028873375180334	0.942249376105939
OV	RTF1	cg27576415	0.11153236285637	10	0.296939559895258	0.77513030004872	0.0124394679643249	0.875417185360328
OV	SATB1	cg01069104	0.550496124265704	10	1.74462151057169	0.124566527017143	0.303045982831561	0.27772127368732
OV	SATB1	cg01373248	0.674098776692328	10	2.41456568433811	0.0464614216638333	0.454409160738093	0.136692377161949
OV	SATB1	cg04004754	-0.570518149568338	10	-1.83791150895596	0.10867733311572	0.32549095898688	0.252794057301887
OV	SATB1	cg14415616	-0.578699724217856	10	-1.87739932397929	0.10255701477595	0.334893370809823	0.242561121472705
OV	SATB1	cg19818826	-0.451829890184819	10	-1.34001122232763	0.222104277355562	0.204150249664426	0.410627409872109
OV	SATB1	cg26131754	-0.358866435406395	10	-1.01723013697641	0.342906741794312	0.128785118461292	0.542185871651931
OV	SATB1	cg26768584	0.700448323318563	10	2.59661477246436	0.0356001885767499	0.490627853639786	0.112276093140384
OV	SCML2	cg00457389	-0.389852635872544	10	-1.12007666031111	0.299634462015264	0.151985077696771	0.497921504966772

OV	SCML2	cg04189389	0.226412630001154	10	0.615002210843953	0.558008070293121	0.0512626790240396	0.72916755552793
OV	SCML2	cg05049545	-0.257107290814099	10	-0.703905229146184	0.504226908202427	0.0661041589897655	0.687496987112654
OV	SCML2	cg06131666	0.261595285839915	10	0.717086711061138	0.496544827886743	0.068432093573667	0.68123747139695
OV	SCML2	cg08300622	-0.213501007693078	575	-3.79152584800476	0.000180903844323827	0.0455826802859598	0.00159433937524955
OV	SCML2	cg17710066	0.257739075493881	10	0.705757838563593	0.503142591155627	0.0664294310364404	0.686595384959874
OV	SCML2	cg17727916	-0.357382451343914	10	-1.01240629702595	0.345051780921436	0.127722216528585	0.544283187578615
OV	SCML2	cg22823767	-0.205563112410779	10	-0.555737276654447	0.595697622232664	0.0422561931840067	0.757007053987746
OV	SCML2	cg26246138	-0.198299909301731	586	-3.53911356893067	0.000463816461178241	0.0393228540290748	0.00352162000620742
OV	SCML4	cg00977377	-0.271331769978692	10	-0.745856537253117	0.480045694062862	0.0736209293997696	0.667322017153181
OV	SCML4	cg03500965	-0.0317009375069151	10	-0.0839149727220578	0.93547343951034	0.00100494943881734	0.965585138961727
OV	SCML4	cg05603896	0.0412079260770349	10	0.109118610592484	0.916170604659266	0.00169809317157037	0.955746832370864
OV	SCML4	cg08792995	0.0586487396060798	10	0.155437537259855	0.880863710766329	0.00343967465738175	0.936802455591276
OV	SCML4	cg17388996	0.154953233544209	10	0.414979928753646	0.690579942263361	0.0240105045858061	0.822193967469674
OV	SCML4	cg23503775	0.00749569049077695	10	0.0198322900934708	0.984730619668569	5.6185375933524e-05	0.991982292777107
OV	SCML4	cg27353361	0.181284233196839	10	0.487714057082057	0.640655943853132	0.0328639732057659	0.788894334812438
OV	SCML4	cg27659622	0.120629918785318	10	0.32150453708582	0.757215251889877	0.0145515773061524	0.864610871784079
OV	SETD1A	cg26692825	-0.184854590032616	10	-0.497655934599742	0.63397667209107	0.0341712194561264	0.784469241747299
OV	SETD6	cg01152986	-0.579115286471842	10	-1.87942739835486	0.102251872991575	0.335374515025363	0.242038101552004
OV	SETD6	cg01472538	-0.494839318843432	10	-1.50661120839044	0.175636128515419	0.244865951473432	0.351389697092081
OV	SETD6	cg01773760	0.339337983619342	10	0.954435826130595	0.371652191663349	0.115150267126841	0.570273784458443
OV	SETD6	cg02549819	-0.803454613718398	10	-3.57047777068986	0.00909111199853036	0.64553931630538	0.0396387157725407
OV	SETD6	cg05502081	0.615801053615989	10	2.06784232059741	0.0774631049565297	0.379210937634562	0.198411852594109
OV	SETD6	cg09132913	-0.64000782227343	10	-2.20376260944773	0.0633780422959083	0.409610012571178	0.171311603542314
OV	SETD6	cg19824325	-0.290959302473741	586	-5.31987101666032	2.00954913071132e-07	0.084657315696006	4.07429932433037e-06
OV	SETD6	cg26666090	-0.735945417589099	10	-2.87593945069796	0.0237891968786421	0.541615657670393	0.0830449531961895
OV	SETD7	cg05316864	0.179900981858366	10	0.483867693457976	0.643249710387738	0.032364363273604	0.790624049577421
OV	SETDB1	cg02060408	-0.601097178335783	10	-1.98999190184881	0.086892296613617	0.36131781780324	0.215386799731064
OV	SETDB1	cg08531528	0.459828756321851	10	1.37002489802367	0.213001561879388	0.2114424851405	0.399379211975058
OV	SETDB1	cg10589385	0.50217563089425	10	1.53640680363793	0.168319410964725	0.252180364264038	0.341408678576772
OV	SETDB1	cg10961700	-0.575976368587323	10	-1.86416265864051	0.104570413548333	0.33174877717104	0.245932364459128
OV	SETDB1	cg12082615	0.0888353156749028	575	1.54992107228296	0.122207739068661	0.00789171331105962	0.274096262162531
OV	SETDB1	cg15448220	0.516908418851948	10	1.597600582236316	0.15416362646655	0.267194313480021	0.32160588767635
OV	SETDB1	cg16370685	-0.509618223299851	10	-1.56708748813967	0.161078610890233	0.259710733519297	0.331208686778949
OV	SETDB1	cg17899625	0.190041419127755	10	0.512135452523341	0.624314067666485	0.0361157409840911	0.777416684102018
OV	SETDB1	cg17918089	0.0525619670245827	586	0.920731663826778	0.357915833863215	0.00276276037749332	0.55689444813013
OV	SETDB1	cg19689029	-0.616429296587668	10	-2.07124379274831	0.077075096741824	0.379985077691567	0.19771875676597
OV	SETDB1	cg26820223	-0.439855959600646	10	-1.29583622548158	0.236121039008466	0.193473265196205	0.427396698528509
OV	SETMAR	cg00300090	0.220536902345126	10	0.598214662182838	0.568538969685265	0.0486365252959837	0.736955296409305
OV	SETMAR	cg02520519	-0.256053732185196	10	-0.700817981820196	0.50603720331607	0.0655635137659682	0.689083621186618
OV	SETMAR	cg06021447	0.400945622122904	10	1.15795247003178	0.284860711665469	0.160757391899522	0.482136810114734
OV	SETMAR	cg06267913	0.122207811395451	10	0.325773299778919	0.754117963433543	0.0149347491660661	0.86260627624392
OV	SETMAR	cg14751177	-0.284608408338248	10	-0.785487811950504	0.457925191940733	0.0810019460968307	0.64798100038639
OV	SETMAR	cg14961031	-0.245091600632114	10	-0.668851441905473	0.525026636170255	0.0600698927004115	0.704096297716369
OV	SETMAR	cg15232450	-0.0227663676957406	586	-0.398352032365553	0.6906485096648	0.000518307498057661	0.822212685717006
OV	SETMAR	cg15384599	-0.027000279739107	586	-0.472484252396902	0.636917975471689	0.000729015105990031	0.786316921438351
OV	SETMAR	cg16423812	0.00735489079356027	10	0.0194597382985316	0.985017414920285	5.40944185851976e-05	0.992159473500125
OV	SETMAR	cg21901604	-0.195585375242558	10	-0.527661152562121	0.614040685004754	0.0382536390087721	0.770450170953046
OV	SETMAR	cg22149154	-0.216934903432621	10	-0.587957379728092	0.575030413639133	0.0470607523273206	0.742052882997855
OV	SETMAR	cg23182840	-0.22416011095814	10	-0.60855829796509	0.562036586957769	0.0502477553447657	0.732352907057555
OV	SETMAR	cg23549342	-0.145614211455247	10	-0.389409532482523	0.708548833091886	0.0212034985777335	0.833938725230346
OV	SETMAR	cg24390964	0.232557566996171	10	0.632634664546529	0.547073409635623	0.0540830219671788	0.720530568514248
OV	SETMAR	cg26797270	0.10450676574812	10	0.278021308348797	0.789028734329683	0.0109216640871324	0.883940343002598
OV	SETMAR	cg27265118	0.157924401309831	10	0.423138570735004	0.684890697235604	0.0249401165290686	0.818665482018785
OV	SFMBT2	cg09060610	-0.128123231608672	10	-0.341799229900361	0.74253370051928	0.0164155624778494	0.855253352751616
OV	SFMBT2	cg12328063	0.609797034060705	10	2.03565175133898	0.0812324690968084	0.371852422749233	0.205195269049489
OV	SFMBT2	cg20299663	-0.0944975278375317	10	-0.251140789031032	0.808918017985036	0.00892978276740509	0.896705068413575
OV	SFMBT2	cg25291138	0.817629678752496	10	3.75730009158836	0.00709993562634839	0.66851829157691	0.0327638547050793

OV	SHPRH	cg00571935	-0.49223551398512	10	-1.49609161053995	0.178287962677833	0.242284024551363	0.354878944005305
OV	SHPRH	cg02758840	0.514692688966456	10	1.58827733231336	0.156246739537349	0.264908564075521	0.324602330170606
OV	SHPRH	cg06708562	-0.196306287830313	10	-0.529683875680225	0.612708990186013	0.0385361586417178	0.769337645789442
OV	SHPRH	cg11387577	-0.0948613296750141	10	-0.252116407239843	0.808193384594718	0.00899867186771171	0.89616996395458
OV	SHPRH	cg11675148	0.618187827832151	10	2.08079894844887	0.075995442608987	0.382156190479833	0.195754758528642
OV	SHPRH	cg12989205	0.673229204913476	10	2.40886594574169	0.0468519647026519	0.453237562348431	0.137617585126604
OV	SHPRH	cg14102550	-0.419790280276887	10	-1.22370518309698	0.260651146982456	0.176223879414947	0.45585961369893
OV	SHPRH	cg15443174	0.167033819508496	10	0.448227013545286	0.66753405662073	0.027900296859597	0.807165496735092
OV	SHPRH	cg16339435	-0.448075902213022	10	-1.32606638638061	0.226448449605618	0.200772014144014	0.415970028066576
OV	SHPRH	cg18099523	0.248454654284777	10	0.678628626695517	0.519171377086014	0.0617297152357682	0.699831124706415
OV	SHPRH	cg26814539	0.0856061757859476	10	0.227327157675358	0.826666057199762	0.00732841733269456	0.906881097313586
OV	SHPRH	cg27398948	-0.277375566685067	10	-0.763838596259551	0.469921168257239	0.0769372049938619	0.658606349195516
OV	SIN3A	cg01088093	0.22434580647933	10	0.609089137813382	0.561704073097445	0.0503310408848609	0.732038182173577
OV	SIN3A	cg01664094	0.30772157676327	10	0.855675163408023	0.420498644510077	0.0946925688056733	0.615714046020382
OV	SIN3A	cg02028562	0.107976416383879	10	0.287358801169172	0.782158206658735	0.0116589064951047	0.879752696906044
OV	SIN3A	cg07544511	0.146462397449031	10	0.391727374729506	0.706911583290189	0.0214512338665181	0.832906426415003
OV	SIN3A	cg10483776	0.204335145436482	10	0.552272379357069	0.597944739509963	0.0417528516605482	0.758623111616501
OV	SIN3A	cg11184237	-0.201360455472688	10	-0.543890074610183	0.603400444769731	0.0405460330281682	0.762424217132543
OV	SIN3A	cg15851274	-0.36020330654652	10	-1.02158342938786	0.340979918145235	0.129746439414705	0.540281887760871
OV	SIN3A	cg22059910	0.225990911758341	10	0.613794989471628	0.558761472089764	0.0510718921973662	0.72976101133194
OV	SIN3A	cg25697800	-0.264916914025784	10	-0.726874599058987	0.490890250301539	0.0701809713369448	0.676629921365685
OV	SIN3B	cg06815056	0.020684065017669	10	0.0547366023865105	0.957877788861202	0.000427830545655157	0.977774138028543
OV	SIRT1	cg02720207	-0.544548887027107	10	-1.71776670820769	0.129537387286839	0.296533490362461	0.285401215174384
OV	SIRT1	cg03211233	-0.542361928860167	10	-1.70798477479677	0.131394396074743	0.294156461876921	0.288227375598877
OV	SIRT1	cg07832903	-0.519683484539173	10	-1.60933925019448	0.151577526601994	0.270070924102777	0.317965619901811
OV	SIRT1	cg10582690	-0.638069771478841	10	-2.19249475909103	0.0644410104894622	0.40713303327506	0.173434491265083
OV	SIRT1	cg10705386	-0.778204981235981	10	-3.27850779828298	0.0135148283632732	0.605602992820493	0.0539193065127686
OV	SIRT1	cg19192316	0.0358559692217246	586	0.627626879198135	0.530716464477724	0.00128565052882926	0.708502050740909
OV	SIRT1	cg19681528	-0.240834929091253	10	-0.656513075539548	0.532474589485577	0.058001463070389	0.70988703411093
OV	SIRT1	cg19980381	0.356167609505746	10	1.00846387772097	0.346812648102653	0.126855366061038	0.546108475963439
OV	SIRT1	cg25513531	-0.715795908943831	10	-2.71200356013135	0.0301116509072798	0.512363783260725	0.0989860879222872
OV	SIRT4	cg04118464	-0.0292196053015431	10	-0.0773408323197278	0.940516644409312	0.000853785333977966	0.968318554824381
OV	SIRT4	cg07106325	0.135046958473541	10	0.360604089608126	0.729031577334618	0.0182376809929543	0.84676402051338
OV	SIRT4	cg08264848	-0.32529487353263	10	-0.91015000349384	0.393003574018314	0.10581675474661	0.589842764979467
OV	SIRT4	cg12124973	-0.376021024160801	10	-1.07365224054327	0.31858942691878	0.141391810610938	0.517910785425631
OV	SIRT4	cg20010714	-0.109603322944471	10	-0.291740754408485	0.778941096828012	0.01201288840047	0.877745899831081
OV	SIRT4	cg21068152	-0.147934789046762	586	-2.6165919698207	0.00932211921009763	0.02188470181031	0.0403676560996568
OV	SIRT4	cg21123573	-0.16735165122055	586	-2.96933400233694	0.00322047502074611	0.0280065751662446	0.0174563568676089
OV	SIRT5	cg01064902	-0.272577179174668	10	-0.74955410430874	0.47795198026338	0.0742983186068188	0.665572818028594
OV	SIRT5	cg02206980	-0.0702683384921908	10	-0.186373240003618	0.857438225420927	0.0049376393944531	0.924153472088387
OV	SIRT5	cg02712746	-0.297445440019783	10	-0.824274291807988	0.436964985672226	0.088473789788562	0.629971921102374
OV	SIRT5	cg06139021	0.622115998867782	10	2.10232659238692	0.0736178541839668	0.387028316047258	0.191255770758108
OV	SIRT5	cg07534331	0.0873734803988029	10	0.232055969472951	0.823132689254661	0.00763412507699999	0.904816724758405
OV	SIRT5	cg07909422	-0.130834480069247	586	-2.30851212752581	0.0216370149577231	0.0171176611749902	0.0773294409712461
OV	SIRT5	cg08619119	-0.510712657433624	10	-1.57163870957993	0.160029298949989	0.260827418462915	0.329783292252066
OV	SIRT5	cg10907941	-0.22717046152006	10	-0.617172515355529	0.55665515333514	0.0516064185872371	0.7280044219114
OV	SIRT5	cg11824369	0.238014196512712	10	0.648359127485956	0.537432485087397	0.0566507577415917	0.713330650302655
OV	SIRT5	cg19366958	0.280968414097837	10	0.774574731701094	0.463945734765472	0.0789432497206535	0.653169634441702
OV	SIRT5	cg20150972	-0.157409511389196	10	-0.421723877703628	0.685875644904343	0.0247777542757855	0.819180838962722
OV	SIRT7	cg11691214	-0.526369388069921	10	-1.63790963767196	0.145451268271105	0.277064732697103	0.309323937239651
OV	SIRT7	cg12710567	-0.591679437490153	10	-1.94181149747177	0.0932858265091617	0.350084556748663	0.226592487196856
OV	SIRT7	cg17552093	-0.00734418379805085	586	-0.128474212105811	0.89785810049206	5.39370356595526e-05	0.945971605573538
OV	SIRT7	cg20397086	-0.470429621736558	10	-1.4104565647177	0.201261206572069	0.221304029007201	0.384526081898818
OV	SMARCA	cg03460558	-0.1580429995936	10	-0.423464477224209	0.684663885319846	0.0249775897205428	0.818507557582594
OV	SMARCA	cg06675660	-0.0589524350370223	10	-0.156245225113145	0.8802503614244	0.00347538959679433	0.93645397082598
OV	SMARCA	cg08617833	-0.23504173817465	10	-0.639785396740267	0.542676185507436	0.0552446186841607	0.717226811581413
OV	SMARCA	cg12935118	0.166515053792289	10	0.446795168346277	0.668518917922552	0.0277272631394488	0.80782181613363

OV	SMARCA	cg17420696	-0.0358760109142731	10	-0.0949801465037969	0.926992335433059	0.00128708815912104	0.961483612813065
OV	SMARCA	cg18959966	0.116286167615473	10	0.309765808933615	0.765757065556973	0.0135224727786938	0.870078379588329
OV	SMARCA	cg24447042	-0.356045723670579	586	-6.6650253367323	1.23249908673493e-10	0.126768557344106	4.84982468151024e-09
OV	SMARCA	cg26010110	-0.221869787108719	10	-0.602016763247975	0.566143709371818	0.0492262024316684	0.735244872484184
OV	SMARCA	cg27353825	0.0485536332556942	10	0.128612527438101	0.901281462929679	0.00235745530232845	0.947938756535543
OV	SMARCA	cg04518912	0.33033615881453	10	0.925968071448163	0.38527436082374	0.109121977820339	0.583351829072618
OV	SMARCA	cg13529335	0.0558055057831489	10	0.147877934405394	0.886608583227365	0.00311425447571307	0.939825152592209
OV	SMARCA	cg14290704	-0.112600385612321	10	-0.299819362862466	0.773022213015723	0.0126788468400433	0.874165831397746
OV	SMARCA	cg21210735	-0.283285214792684	10	-0.781516499398761	0.460109853354947	0.0802505129201372	0.649945270407734
OV	SMARCA	cg08405378	-0.730820645233304	10	-2.83278047329966	0.025305106493198	0.534098815499222	0.0869939217169051
OV	SMARCA	cg17218495	-0.255700973433068	10	-0.699784889339703	0.506643921857967	0.0653829878146185	0.689634183937539
OV	SMARCA	cg17747332	-0.00832123649170136	586	-0.145567228907594	0.884358879865143	6.92429767508223e-05	0.938706708967511
OV	SMARCA	cg18522266	-0.807499055629212	10	-3.62189262781602	0.00848880769813904	0.65205472484207	0.0376133910160636
OV	SMARCA	cg23892580	-0.292935137114385	10	-0.810592331433841	0.444280553125342	0.0858109945562233	0.636249794739384
OV	SMARCA	cg01278696	-0.0732589914105735	586	-1.28496172077039	0.199777436187048	0.00536687982249448	0.382672687827426
OV	SMARCA	cg01575392	-0.837279581788281	10	-4.05145360787258	0.00486185500791093	0.70103709807956	0.0242295418632558
OV	SMARCA	cg02782292	0.220271712219455	10	0.597458618950728	0.569015971851778	0.0485196272040902	0.737337028637249
OV	SMARCA	cg05358385	-0.383563464370394	10	-1.09886040410669	0.308180253719784	0.147120931199819	0.506744196019465
OV	SMARCA	cg10878459	-0.95479173091084	10	-8.49764302196424	6.18806788635065e-05	0.911627249415718	0.000639982123305986
OV	SMARCA	cg12253543	-0.919186790530395	10	-6.17522795821511	0.000456142320836592	0.844904355885569	0.00347144743760143
OV	SMARCA	cg13848802	-0.925368160274904	10	-6.45869246584058	0.000347401110223704	0.85630623205056	0.00276303601772606
OV	SMARCA	cg13898584	-0.77652395874889	10	-3.26064006591162	0.0138521415802675	0.602989458511047	0.0549352753105404
OV	SMARCA	cg16091845	-0.0998155808725309	586	-1.7548232179801	0.0802903395683409	0.00996315018492076	0.203549067209135
OV	SMARCA	cg16587443	-0.629131580622856	10	-2.14142317374175	0.0694881274377275	0.395806545737013	0.183401505882632
OV	SMARCA	cg19993723	0.209067636409379	10	0.565640969492479	0.589300847599614	0.0437092765938042	0.752578470979124
OV	SMARCA	cg20045045	-0.446856199928364	10	-1.32155456337826	0.227869803687673	0.199680463414418	0.417673613592169
OV	SMARCA	cg22077701	-0.569808518153048	10	-1.83452533273667	0.109218316207419	0.324681747359773	0.253635323175019
OV	SMARCA	cg24607315	-0.899067962314969	10	-5.43321346057071	0.000973271162463895	0.80832320086119	0.00656447518750791
OV	SMARCB	cg01745726	-0.60755964056307	10	-2.02379983879709	0.0826655832433318	0.369128716841127	0.207736097904569
OV	SMARCB	cg01912455	-0.0934332980306371	10	-0.248287393669814	0.811038508527265	0.00872978118088186	0.898108662135883
OV	SMARCB	cg03979008	0.785538977347094	10	3.35859707322596	0.0121075266212853	0.617071484931518	0.0495029655739879
OV	SMARCB	cg10122452	0.437031437087768	10	1.28554265659903	0.239495390499809	0.190996477003	0.431417453093898
OV	SMARCB	cg16142952	0.843307222504196	10	4.15156161721079	0.00428671749053379	0.711167071527742	0.0219510861281323
OV	SMARCB	cg19906397	0.214876964312073	586	3.84871333408424	0.00014456413112752	0.046172109791972	0.00131874085564426
OV	SMARCC	cg02564102	-0.171634155858669	10	-0.460941313179607	0.658819798377675	0.029458283457318	0.80150484627403
OV	SMARCC	cg02627110	-0.660740968577618	10	-2.32896840580053	0.0526938818364336	0.436578627556888	0.149877212583295
OV	SMARCC	cg05592996	-0.576776316672205	10	-1.86804104288117	0.103976542392826	0.332670919473956	0.244942953060215
OV	SMARCC	cg07143957	-0.0268135262444851	10	-0.070967438361632	0.945408649630899	0.000718965189663693	0.970816553887196
OV	SMARCC	cg07304068	-0.777814597654243	10	-3.27434257018239	0.013592666368698	0.604995548324032	0.054141000844119
OV	SMARCC	cg07474652	-0.512410796279164	10	-1.57872093006953	0.158409010800714	0.262564824143447	0.327532464133092
OV	SMARCC	cg12894336	-0.428231598021224	10	-1.25377133254468	0.250173673743441	0.183382301543811	0.443851732694701
OV	SMARCC	cg16250355	0.272381954555606	586	4.95197637375286	1.21661058895199e-06	0.0741919291675319	2.03537643348239e-05
OV	SMARCC	cg20685352	-0.482050052722082	10	-1.45567968954113	0.188816808345054	0.232372253329362	0.368571769611301
OV	SMARCC	cg22984439	0.0467273522666021	10	0.123764143485216	0.904980855275819	0.00218344544984713	0.949659814057343
OV	SMARCC	cg24832353	-0.154973173716889	576	-2.70342020333926	0.00725839017563435	0.0240166845718852	0.0333317916363087
OV	SMARCD	cg02553054	0.0317727388824337	10	0.0841052286795796	0.935327534995366	0.00100950693609132	0.965530197065828
OV	SMARCD	cg04550398	-0.644911430546752	10	-2.23259264216222	0.0607380694574231	0.415910753249858	0.166123734323762
OV	SMARCD	cg09878554	-0.18871147966065	10	-0.508418618356358	0.626786977078738	0.0356120225557118	0.779328817025961
OV	SMARCD	cg13349421	-0.471967866194386	10	-1.41638758001999	0.199588325838461	0.222753666720082	0.382395188165629
OV	SMARCD	cg17846064	-0.422480014201099	10	-1.23324281353061	0.257287808745989	0.178489362399361	0.451740615496409
OV	SMARCD	cg18591973	-0.0733920553648984	586	-1.28730828881516	0.198959682503333	0.00538639379068431	0.381688972914706
OV	SMARCD	cg20405918	-0.0423774210459703	10	-0.112220928314721	0.913798519365739	0.00179584581450745	0.954522215717198
OV	SMARCD	cg22402853	-0.807040979098306	10	-3.61599701558207	0.00855562658083629	0.651315141943952	0.0378320661463001
OV	SMARCD	cg25107077	-0.638038467530333	10	-2.19231333693891	0.0644582712104636	0.407093086048456	0.17346294280292
OV	SMARCD	cg00945038	0.549651426602848	10	1.74078434999064	0.12526550840576	0.302116690766546	0.278824176278047
OV	SMARCD	cg02127607	0.576176800996482	10	1.86513366012689	0.104421422609727	0.33197970600654	0.245708240842719
OV	SMARCD	cg02360836	-0.0343435014188702	586	-0.601120522257302	0.5482047364277	0.00117947608970794	0.721388397199778

OV	SMARCD	cg04367190	0.203448035771439	10	0.549770957175252	0.599569937693683	0.0413911032592565	0.759768430762528
OV	SMARCD	cg06420487	-0.670147963870977	10	-2.38881580375939	0.0482527174122295	0.449098293480417	0.140543333646598
OV	SMARCD	cg07362569	0.110297327671893	10	0.293610725074936	0.77756962478491	0.0121655004915609	0.877015468269405
OV	SMARCD	cg11697258	-0.59603507666985	10	-1.96393809610859	0.0902942233477075	0.355257812620833	0.221295092026702
OV	SMARCD	cg12577610	-0.0886489844353538	585	-1.55685333417921	0.120538926814675	0.0078586424414196	0.271507465281981
OV	SMARCD	cg15868002	-0.394171359701163	10	-1.13475239169216	0.293837111014358	0.155371060808664	0.491561880402243
OV	SMARCD	cg19016967	-0.853312116386772	10	-4.32997639182505	0.00343794647762859	0.728141567972472	0.0183689291401538
OV	SMARCD	cg19143629	0.109389490221346	10	0.291164677025615	0.779363773427335	0.011966060570886	0.878026480219796
OV	SMARCD	cg21254277	-0.622603746133733	10	-2.10501754440556	0.0733259177456469	0.387635424699758	0.190747916572642
OV	SMARCD	cg23682543	-0.593923455699907	10	-1.9531779556477	0.0917370933843968	0.35274507123052	0.223907239442342
OV	SMARCD	cg24795630	-0.600774193858085	10	-1.98831847960581	0.0871069578907325	0.360929632005832	0.215760775691777
OV	SMARCD	cg25945412	0.645982402274386	10	2.23895151001116	0.0601708891181981	0.417293264048186	0.165024862059901
OV	SMARCD	cg00864064	0.219479922627403	10	0.595202095715651	0.570441048572953	0.0481714364365307	0.73845793145213
OV	SMARCD	cg02917064	-0.0526983576701574	586	-0.923127473166349	0.356668088898876	0.00277711690113184	0.555510477052118
OV	SMARCD	cg14795305	-0.0631099767958445	586	-1.1061787968855	0.269518025186503	0.00398286917117204	0.465476203674142
OV	SMARCD	cg19786287	-0.0303073319777967	10	-0.0802225153483967	0.938305650566725	0.000918534371612378	0.96700609701313
OV	SMARCD	cg19902439	0.0470685435215106	10	0.124669837062435	0.904289601741479	0.00221544778923633	0.94935702997094
OV	SMARCD	cg22750243	-0.0943302128820507	10	-0.250692129644802	0.809251324066276	0.00889818906237301	0.896918746134437
OV	SMARCD	cg22787816	-0.538221869653561	10	-1.68960112184965	0.134952758192574	0.289682780973375	0.293656537462815
OV	SMNDC1	cg03999743	-0.373327627980069	10	-1.06471114017916	0.322348624526048	0.139373517813225	0.521766086186385
OV	SMNDC1	cg08770590	-0.113394791674583	10	-0.301962071255646	0.771455028416677	0.0128583787789221	0.873318951397311
OV	SMNDC1	cg11559952	0.0609984199458765	10	0.161687734321191	0.876119699409865	0.0037208072358935	0.934423579598177
OV	SMNDC1	cg12486840	-0.633551649438499	10	-2.16649766393055	0.0669624108582726	0.401387692506243	0.178491478167156
OV	SMNDC1	cg17981675	0.146222239089184	10	0.39107100338024	0.707375054754192	0.0213809432042544	0.833200118244066
OV	SMNDC1	cg18209001	0.195379932097016	10	0.527084887033148	0.614420365670269	0.0381733178662346	0.77066553685713
OV	SMNDC1	cg21872391	-0.0287014270765249	585	-0.502276845192704	0.615834038820266	0.000823771916229075	0.771605167034157
OV	SMNDC1	cg23721301	-0.694856022438879	10	-2.55637780960419	0.0377505908671428	0.48282489191958	0.117360440494292
OV	SMNDC1	cg26944434	0.241081899708914	10	0.657227835333413	0.532041345661658	0.0581204823672589	0.709576966302126
OV	SMYD1	cg00578637	0.115019161314678	10	0.30634522642198	0.768252742871274	0.0132294074695319	0.871635828881647
OV	SMYD1	cg00666842	0.2805540335243	10	0.773334689327156	0.464633250489951	0.0787105657267538	0.653889053305388
OV	SMYD1	cg03704645	0.172387918561422	10	0.46302748140797	0.657395321774769	0.0297175944659396	0.800422764029649
OV	SMYD1	cg14559139	0.280392354597247	10	0.772850989161061	0.464901616303479	0.0786198725165884	0.654122578576524
OV	SMYD1	cg16090764	0.279322979721598	10	0.76965350008974	0.46667829965724	0.0780213270005524	0.655886584561008
OV	SMYD1	cg18148488	0.218209595452348	10	0.591584366091474	0.572730123047492	0.0476154275474774	0.740289763119314
OV	SMYD1	cg19074493	0.217645864537053	10	0.589979945282669	0.573747010627696	0.0473697223500811	0.741053862724663
OV	SMYD2	cg01770831	-0.435494598523918	10	-1.27996165871605	0.241342252875557	0.189655545343509	0.433572251811678
OV	SMYD2	cg04406444	-0.143511652665857	10	-0.383667629816627	0.712611836827959	0.0205955944508857	0.836502065825658
OV	SMYD2	cg11523160	-0.596889450987137	10	-1.96830962366309	0.0897144137764	0.356277016699726	0.220339166703118
OV	SMYD2	cg14013804	0.220609780124427	10	0.59842245735196	0.568407908807668	0.0486686750865482	0.736905057124016
OV	SMYD2	cg27570636	0.452610350336251	10	1.34292155114797	0.221206895810329	0.204856129231504	0.409523077810351
OV	SMYD5	cg01329511	-0.242009032565788	10	-0.659912269682029	0.530416161966022	0.0585683718434285	0.708299808350379
OV	SMYD5	cg05103132	-0.684202042505758	10	-2.48217063299037	0.0420761501480119	0.468132434969051	0.127048285383265
OV	SMYD5	cg06754047	-0.012572557631758	567	-0.217780298852556	0.827748347534067	0.000158069205403877	0.907415801646824
OV	SMYD5	cg08834152	0.715809347624516	10	2.71210797794031	0.0301071051609046	0.512383022146635	0.0989828265573426
OV	SMYD5	cg15623359	-0.0195996256178543	10	-0.0518656981144219	0.960084750157568	0.000384145324360051	0.97910193691593
OV	SMYD5	cg17895873	0.0311710939009402	586	0.545536543319314	0.585781994413122	0.000971637094981234	0.75014114591803
OV	SMYD5	cg20402064	0.28503321533887	10	0.786763823350393	0.457224760987341	0.0812439338464145	0.647421606411526
OV	SMYD5	cg25886337	-0.583372084447517	10	-1.90032984267455	0.0991579116181284	0.34032298891264	0.236825818998547
OV	SMYD5	cg26467949	-0.364123010458646	10	-1.03438883108489	0.335361337320982	0.132585566745467	0.534917141675029
OV	SP100	cg05876232	-0.550274736216156	10	-1.74361508161331	0.124749498923807	0.30280228531776	0.277985807317999
OV	SP100	cg09456094	-0.515336081503548	10	-1.59098008746864	0.155640184576965	0.265571276899431	0.323722595555864
OV	SP100	cg11702456	-0.504778932192818	10	-1.54708556282127	0.165765859953843	0.254801770385721	0.33794060702073
OV	SP100	cg11827097	-0.443561017430786	10	-1.30941117861043	0.231734006305368	0.196746376184234	0.422259276380667
OV	SP100	cg23539753	-0.460230618412476	586	-9.0682059178808	1.49621582040448e-17	0.21181222212433	1.57080450111399e-15
OV	SP100	cg27140170	0.113046834135782	10	0.301023472305729	0.772141382723594	0.0127795867081231	0.873666770988549
OV	SP140L	cg04002454	-0.800365573815973	10	-3.5321517379578	0.00957013121362242	0.640585051749772	0.0411484434661218
OV	SP140L	cg05217331	0.0244432019584698	10	0.0646899616752986	0.9502295038622202	0.000597470121982541	0.973659203175049

OV	SP140L	cg13278004	-0.883938888608124	10	-5.00143343373874	0.00156275294989297	0.781347958793766	0.009724268355781
OV	SP140L	cg24044052	-0.763581343539179	10	-3.12871286803793	0.0166396366649012	0.583056468201098	0.0631753974967946
OV	SP140L	cg25095994	-0.808312231563978	10	-3.63240495968605	0.0083710630073359	0.653368663695937	0.037199730126396
OV	SP140L	cg26847438	-0.859921722518462	10	-4.45733432832492	0.00294549422207122	0.739465368859118	0.0162247240325574
OV	SSRP1	cg01511567	0.0606562607274881	586	1.06300851813137	0.288616255030017	0.00367918196544101	0.486145132484684
OV	SSRP1	cg01766191	-0.501267780610389	10	-1.5326959718058	0.169215183832179	0.251269387878065	0.342632118975548
OV	SSRP1	cg02688348	0.0464533161161433	10	0.123036744857852	0.905536092568231	0.00215791057818634	0.949909314795752
OV	SSRP1	cg04937561	-0.574491559837543	10	-1.85698508125732	0.10567815368056	0.330040552324573	0.247766079606567
OV	SSRP1	cg08821673	-0.607050034168993	10	-2.02111107116611	0.0829941695840983	0.368509743984576	0.208326291579289
OV	SSRP1	cg09381635	0.241261573459014	10	0.657747915858084	0.531726242202692	0.058207146827919	0.709336689933359
OV	SSRP1	cg11948159	-0.484744902754801	10	-1.46630799023772	0.185994530436669	0.234977620746761	0.364823340329044
OV	SSRP1	cg12795368	0.201633946079893	10	0.544660077989556	0.60289813627093	0.0406562482117491	0.762096164826162
OV	SSRP1	cg12911972	0.221584972476671	10	0.601204022125705	0.566655223388842	0.0490999000274871	0.735619786695614
OV	SSRP1	cg16313264	0.0550980760968315	10	0.145997585104266	0.888038693946652	0.00303579798957224	0.940489028660987
OV	SSRP1	cg22636253	-0.117956607412238	586	-2.0779042787874	0.0385516327642105	0.0139137612322048	0.119143719976918
OV	SSRP1	cg26706201	0.246236782817811	10	0.672177847076306	0.523029908465252	0.060632553212466	0.702578999627156
OV	STK31	cg00755064	0.440966714062661	10	1.29989723597952	0.234801152088553	0.19445164291122	0.42587304622361
OV	STK31	cg05000488	0.273146027823081	10	0.751244344331267	0.47699693826975	0.0746087525155273	0.664675428382835
OV	STK31	cg05407490	0.240450276799069	10	0.655400119582386	0.533149631354434	0.0578163356127488	0.710263591430548
OV	STK31	cg11755819	0.320597227703043	10	0.895488338495172	0.400270026642488	0.102782582410877	0.59682741982656
OV	STK31	cg13313214	0.246206649106444	10	0.672090279518081	0.523082410975207	0.0606177140642238	0.702578999627156
OV	STK31	cg13514718	0.137167637842898	10	0.366374484988545	0.724908679163236	0.0188149608714004	0.844107163370787
OV	STK31	cg13802883	0.248290421531797	10	0.678150559959733	0.519456713360554	0.0616481334244374	0.700041845254667
OV	STK31	cg14898779	0.0132013306965181	571	0.229054487604201	0.818982120055043	0.00017427513215883	0.902639338200754
OV	STK31	cg17102984	0.483463363325562	10	1.46124692829521	0.18733367701491	0.233736823678065	0.36663201964021
OV	STK31	cg17331904	0.535070116931714	10	1.6757216378807	0.137699383289114	0.286300030033318	0.297802862121041
OV	STK31	cg21519371	0.441573310216877	10	1.30211812946268	0.234082037545317	0.194986988295891	0.425054339872096
OV	STK31	cg25570411	0.17964810021226	10	0.483164834901715	0.643724256116679	0.0322734399098744	0.79087207389032
OV	STK31	cg25612145	-0.0378558784207506	586	-0.662682422596543	0.508032797484034	0.00143306753100665	0.690664772043072
OV	SUV39H	cg05903800	-0.0417087341878882	10	-0.110447047841454	0.915154745101539	0.00173961850755592	0.955143730502021
OV	SUZ12	cg00160853	-0.0889745857940837	10	-0.236341983772611	0.819933974017516	0.00791647691722876	0.903112653084691
OV	SUZ12	cg01109633	-0.00266868103514501	10	-0.0070606914902156	0.994563439903461	7.12185846734267e-06	0.997146022572473
OV	SUZ12	cg07482957	-0.226607143169902	10	-0.61555915198615	0.557660699213935	0.0513507973356246	0.728861346703817
OV	SUZ12	cg08177746	-0.120288321415318	10	-0.320580721092068	0.757886178046434	0.0144692802689148	0.865008763716905
OV	SUZ12	cg17335595	-0.734646628689511	10	-2.86490151386436	0.0241675563451617	0.539705669044864	0.08401514336918
OV	SUZ12	cg25098644	-0.237497079489987	586	-4.27687088660947	2.53656968682544e-05	0.056404862766273	0.000294830273744058
OV	TAF3	cg00194465	0.29761809271359	10	0.824799226587827	0.436686010740368	0.0885765291104748	0.629746355447781
OV	TAF3	cg02334915	0.255007353964376	10	0.697754420715489	0.507837748924762	0.0650287505759127	0.690508089625842
OV	TAF3	cg03672997	-0.416259035940361	10	-1.21124294837242	0.265101846645977	0.173271585001999	0.460762142941025
OV	TAF3	cg04179819	-0.29680897953951	10	-0.822339957445579	0.437994067162558	0.0880955703352852	0.630829687818389
OV	TAF3	cg04234156	0.533436389745557	10	1.66856582724089	0.139135953681268	0.284554381904773	0.299965147452626
OV	TAF3	cg05976695	0.882960081242056	10	4.97625385632109	0.0016077725447111	0.779618505066978	0.00995741241487586
OV	TAF3	cg07855525	-0.433144295649209	10	-1.27145325775994	0.244181456792723	0.187613980853449	0.436917272344759
OV	TAF3	cg09871669	-0.591825000548179	10	-1.94254669028351	0.0931848827402423	0.350256831273852	0.226439206843706
OV	TAF3	cg09994553	-0.238412757631627	10	-0.649510194857909	0.536730873023788	0.0568406430015171	0.71277640040991
OV	TAF3	cg11104088	-0.333433148297271	10	-0.935729482567781	0.380561719635733	0.11117766438343	0.578943199979314
OV	TAF3	cg12176426	0.0315879850732467	10	0.0836156792285192	0.935702968699403	0.000997800800987656	0.965719549286263
OV	TAF3	cg12590721	-0.563010224979558	10	-1.80238994167698	0.114483280834697	0.316980513431533	0.262136392995442
OV	TAF3	cg12777293	-0.22837976316229	10	-0.620638206362434	0.554498793782265	0.0521573162220635	0.726178214720441
OV	TAF3	cg27268107	-0.189808886203833	10	-0.511485373297752	0.624746209718933	0.0360274132819396	0.777796725983432
OV	TCEA1	cg01677098	-0.087462440156179	586	-1.53585351370315	0.12560761417352	0.00764967843807319	0.279353861946163
OV	TCEA1	cg06047473	-0.701207573541289	10	-2.60214906614326	0.0353145158817838	0.491692061191662	0.111561569110039
OV	TCEA1	cg11530293	0.0804379718038507	10	0.213510726035239	0.83701409101014	0.00647026730791708	0.912775617085703
OV	TCEA1	cg11787876	-0.423663668689599	10	-1.23745251520786	0.255815067664658	0.17949090416753	0.450100639989807
OV	TCEA1	cg12850379	-0.368527464144319	10	-1.0488536324758	0.329102807628339	0.135812491828642	0.528818602400938
OV	TCEA1	cg23569945	-0.552502023731524	10	-1.75376447195601	0.122915984983591	0.305258486227429	0.275240382712458
OV	TCEA1	cg26181865	-0.499982094643333	10	-1.52745229726694	0.170488430450249	0.249982094963935	0.344287229926191

OV	TCEA1	cg26358945	-0.425978075279808	10	-1.24570613279738	0.252948395535341	0.18145732061909	0.446960148146012
OV	TDRD1	cg00337703	0.439174348923446	10	1.2933478535171	0.236932965592629	0.192874108752333	0.428283350387668
OV	TDRD1	cg02635786	0.324203035294295	10	0.906735644680616	0.39468696676013	0.105107608094034	0.591426002332235
OV	TDRD1	cg16550453	0.129357234602865	10	0.34514697842309	0.74012268312095	0.0167332941441008	0.853712279976369
OV	TDRD1	cg23504215	0.0530054756038677	10	0.140436729483347	0.892270632049582	0.00280958044399221	0.942910529635747
OV	TDRD1	cg23825092	-0.190966221646895	10	-0.514721757205417	0.622596384631298	0.036468097810091	0.776451420285789
OV	TDRD1	cg24203376	0.222771324317914	10	0.604590440784092	0.564525711187643	0.0496270629383571	0.734237102934633
OV	TDRD1	cg26600802	0.458944200428576	10	1.3666853430791	0.213997880893938	0.210629779107025	0.400600407783598
OV	TDRD1	cg27547703	-0.613867354724011	586	-13.6029491021002	2.77213968114477e-33	0.376833129195854	8.73100543947271e-31
OV	TDRD3	cg01557749	-0.546669031697089	10	-1.72729733626187	0.127752054336249	0.298847030216632	0.282668543332693
OV	TDRD3	cg03447530	-0.673513410352692	10	-2.41072679618877	0.0467240916207356	0.453620313924914	0.137315503020962
OV	TDRD3	cg05666423	-0.885629879381073	10	-5.04564585773644	0.00148704951506467	0.784340283252534	0.00933684664850209
OV	TDRD3	cg10765900	0.556224523504573	10	1.77084836889548	0.119887683327164	0.30938572054789	0.270567409018106
OV	TDRD3	cg18522102	0.19402638312296	10	0.523289997781559	0.616923844612563	0.0376462373477777	0.772448110730388
OV	TDRD3	cg19937698	0.387568092634422	10	1.11234876964618	0.3027245866571	0.150209026428284	0.501088482369515
OV	TDRD3	cg20944895	-0.412039095438511	10	-1.1964370676667	0.270472677641924	0.169776216169786	0.466616802707201
OV	TDRD3	cg22045829	0.334319887896889	10	0.938530653722967	0.379217401426041	0.111769787443388	0.577728828249016
OV	TDRD3	cg23103367	-0.626358772420704	10	-2.12586954771947	0.0711025525351702	0.392325311788371	0.186473113708021
OV	TDRD3	cg23767211	0.136937944851993	10	0.365749241063679	0.725354941239812	0.0187520007402875	0.844443109404601
OV	TDRD3	cg26737458	-0.59339358774136	10	-1.95048773979571	0.0921013553681182	0.352115949972563	0.224500480636296
OV	TDRD5	cg05378938	-0.45886496265141	10	-1.3663864401385	0.214087255521942	0.21055705394908	0.400700220288566
OV	TDRD5	cg07171496	-0.355153540513788	10	-1.00517749509278	0.348285848144918	0.126134037339479	0.547519485724968
OV	TDRD5	cg07901138	-0.554194268449357	10	-1.76151187213171	0.121533729726392	0.307131287182118	0.273049008558164
OV	TDRD5	cg09656934	-0.435981604236691	584	-8.47437748931515	1.01178907588253e-15	0.190079959232798	8.62115217625475e-14
OV	TDRD5	cg11853788	0.506889632473723	10	1.55578521283772	0.163711951085577	0.256937099509346	0.33487845023616
OV	TDRD5	cg12277666	-0.120180005557581	586	-2.11763989912391	0.03501184082007	0.0144432337358202	0.110882231914856
OV	TDRD5	cg13848905	0.176295808777794	10	0.473856775587819	0.650025479639995	0.0310802121926166	0.795270691081586
OV	TDRD5	cg15545772	-0.203293772018929	10	-0.549336117255931	0.599852707587376	0.0413283577416843	0.76002771273233
OV	TDRD7	cg24339935	0.454896320819719	10	1.35146830458845	0.218589921899598	0.206930662695317	0.40638202463012
OV	TDRD9	cg07613153	0.140557466989689	586	2.48340543872652	0.0135486450667169	0.0197564015265576	0.0540209776187881
OV	TDRD9	cg08933517	0.101176337442806	586	1.77899195207181	0.0762336984298514	0.0102366512583405	0.196167118802986
OV	TDRD9	cg16701547	0.178858391676601	10	0.480970557594658	0.645206902274114	0.0319903242731403	0.792003562217158
OV	TRIM24	cg00733782	-0.265237726258884	10	-0.727821406949705	0.49034552466675	0.0703510514309827	0.676202576507218
OV	TRIM24	cg02308366	-0.720511018855838	10	-2.74902426002827	0.0285441143632441	0.519136128292678	0.0951234078467361
OV	TRIM24	cg06386929	-0.185115086814012	10	-0.498382096842506	0.633490232783816	0.0342675953661591	0.784106007950137
OV	TRIM24	cg06650216	-0.506809155366302	10	-1.55545282337228	0.163789992657234	0.256855519963105	0.334968813291013
OV	TRIM24	cg10571650	0.717461250591629	10	2.7249904670631	0.0295517443852653	0.514750646100504	0.0976035256636913
OV	TRIM24	cg10703331	-0.107748090923825	585	-1.89585906415139	0.0589206754950943	0.0116096510977289	0.162461013307768
OV	TRIM24	cg13935558	-0.253451816448981	10	-0.693204996747018	0.51051917534388	0.0642378232612879	0.692822006955233
OV	TRIM24	cg26889928	-0.0199870560932077	563	-0.343357551348379	0.731574059084701	0.000399482411273031	0.848307060061042
OV	TRIM33	cg00760200	-0.544716357516291	10	-1.71851782356089	0.129395828710891	0.296715910145816	0.285210491832466
OV	TRIM33	cg02852257	-0.455487205974206	10	-1.35368296078045	0.217916258576693	0.207468594806189	0.405485706228303
OV	TRIM33	cg05792124	-0.193050786611571	10	-0.520556685597884	0.618730396349202	0.0372686062113462	0.773688979049231
OV	TRIM33	cg16036305	-0.658694785252606	10	-2.3162132606287	0.0536930970468524	0.433878820118976	0.151990422518843
OV	TRIM33	cg17645130	0.0168988844215514	10	0.0447166309852131	0.965582066918182	0.000285572294692951	0.981889248827914
OV	TRIM33	cg18199720	-0.398625778457191	10	-1.14998250196406	0.287918506183614	0.158902511250602	0.48543445747274
OV	TRIM33	cg20932765	-0.213473948009925	555	-3.74668138561791	0.00021564732618459	0.0455711264789443	0.00184819522895274
OV	TRIM33	cg20992663	-0.396272190708516	10	-1.14192342266398	0.291038004090418	0.157031649128926	0.48860967786937
OV	TRIM33	cg21666217	0.0302370352559063	586	0.529174055555717	0.597068369332833	0.000914278301066919	0.758067905795117
OV	TRIM33	cg21813112	-0.364383087383631	10	-1.03524071814297	0.334990161252929	0.132775034371227	0.534564647607365
OV	TRIM66	cg06492264	0.178454988195706	10	0.479850035053582	0.645964693989649	0.0318461828119295	0.792396124195508
OV	TRIM66	cg11245569	0.183295924129616	10	0.493313251871229	0.636889779219975	0.03359739580253	0.786316921438351
OV	TRIM66	cg12608775	-0.0242984005496006	10	-0.0643065115904733	0.950524053055383	0.000590412269268833	0.973845572735648
OV	TRIM66	cg13143389	0.0922339674990436	10	0.245072796909817	0.813429463213291	0.00850710476061463	0.899488730241428
OV	TRIM66	cg27044202	-0.189125969722723	10	-0.509576697766542	0.626015921710765	0.0357686324235605	0.778748308144309
OV	UBE2A	cg00142683	0.327282686847238	10	0.916376692634991	0.389947350391669	0.107113957109947	0.587465900622981
OV	UBE2A	cg00428314	0.450565916079697	10	1.33530606837171	0.223561829988522	0.203009644732737	0.412459540912752

OV	UBE2A	cg00935924	0.181340442288723	10	0.48787041904399	0.640550615781454	0.0328843560094698	0.788851397213396
OV	UBE2A	cg05206294	0.544348824715048	10	1.71686979936952	0.12970661522717	0.296315642968654	0.285628454864055
OV	UBE2A	cg06206449	0.757901184508931	10	3.07374647816569	0.0179726073247465	0.574414205480041	0.0670685103814596
OV	UBE2A	cg06273903	-0.0423076792621377	586	-0.740745369385023	0.45941586678289	0.00178993972454792	0.649318664665313
OV	UBE2A	cg09080960	0.380360662482659	10	1.08812512297879	0.312579089867317	0.144674233564247	0.511585632305516
OV	UBE2A	cg14625604	0.0310786962073657	586	0.543917892243627	0.586894047699579	0.000965885357949724	0.750888923733613
OV	UBE2A	cg15661671	0.256602867542553	10	0.70242678106852	0.50509331528213	0.0658450316310611	0.688292274542076
OV	UBE2A	cg16211147	0.622361502648341	10	2.10368056213419	0.0734708198574724	0.387333839978701	0.191029042780488
OV	UBE2A	cg17976175	0.485577507217175	10	1.469602725979	0.18512740688418	0.235785515515245	0.363718595089097
OV	UBE2A	cg18990292	0.53431819281439	10	1.67242491347699	0.138359476093091	0.285495931172435	0.298763068897936
OV	UBE2A	cg25165659	0.632781310763481	10	2.16210243247854	0.067398384838628	0.400412187251549	0.179315661769365
OV	UHRF2	cg06523306	0.730657982482543	10	2.83142768374084	0.0253542345677621	0.53386108736546	0.0871166169323124
OV	UHRF2	cg08487038	0.0278614096811909	586	0.486767566964081	0.626772665107185	0.000776258149423156	0.779326427438715
OV	UHRF2	cg13428749	-0.125454248201924	10	-0.334563995920122	0.747755015778493	0.0157387683919099	0.858416769537966
OV	UHRF2	cg14078101	0.325265748650617	10	0.910058872417298	0.39304843534361	0.105797807245247	0.589887334409584
OV	UHRF2	cg20595300	0.101915919968692	586	1.79213208253114	0.0740996365829089	0.0103868547430649	0.192150577389756
OV	UHRF2	cg24119045	0.191400365781398	10	0.51593637575036	0.621790568808464	0.036634100021253	0.775961752224085
OV	USP27X	cg00478198	0.711556582651104	10	2.67936891167653	0.0315681135289686	0.506312770314117	0.102530470268561
OV	USP27X	cg01125381	0.374600067123324	10	1.06893125383122	0.320569919908593	0.140325210288799	0.519989180715468
OV	USP27X	cg01290688	0.24694554289754	10	0.674238079302143	0.521795621350769	0.0609821011569608	0.701679865246176
OV	USP27X	cg01855997	0.405274294074937	10	1.17289509946494	0.279200286796475	0.164247253437939	0.476269560968107
OV	USP27X	cg06455206	0.680808175629216	10	2.45917155646016	0.043518135634155	0.463499772003581	0.130284080155814
OV	USP27X	cg06624970	0.402908153634995	10	1.16471558365042	0.282287084256929	0.162334980265561	0.479428914587568
OV	USP27X	cg16810342	0.423001006639848	10	1.23509478934137	0.256639019776145	0.178929851618325	0.450995150399843
OV	USP27X	cg16867483	0.28348098420327	10	0.782103757225149	0.459786346612093	0.0803614684048545	0.649618042686133
OV	USP27X	cg19318186	0.388686514210541	10	1.1161290077154	0.301209765010173	0.151077206329141	0.499589654757893
OV	USP51	cg00834229	-0.25949198637975	10	-0.710903062071807	0.500139066982378	0.0673360909953084	0.684117570320312
OV	USP51	cg01084827	0.0998575376657747	10	0.265525374781968	0.798254726074732	0.00997152782867161	0.889804100304595
OV	USP51	cg02714202	-0.255271902201474	10	-0.698528710501901	0.507382286823256	0.065163744053559	0.690154175778577
OV	USP51	cg03728850	-0.53130868542676	10	-1.65928546851447	0.14102004697494	0.282288919209912	0.302893882613227
OV	USP51	cg07386410	-0.36421160843692	10	-1.03467900414943	0.335234869469715	0.132650095720209	0.534813525863794
OV	USP51	cg12064531	-0.625241592249174	10	-2.11964057255107	0.0717595751854713	0.390927048678283	0.187708957363099
OV	USP51	cg12517811	-0.496349126973675	10	-1.51270770679347	0.174115803533156	0.24636245584753	0.349282228469787
OV	USP51	cg18770944	-0.123035935691839	586	-2.16872738910057	0.0308734229787407	0.0151378414715664	0.100791769155573
OV	USP51	cg21331369	-0.335736426361448	10	-0.94301126295615	0.37707454758187	0.112718947985956	0.575596753617016
OV	USP51	cg25424556	-0.112978457133073	586	-1.98905086817187	0.0475857911153074	0.0127641317761697	0.139200159209755
OV	WDR82	cg01736403	0.885572353711207	10	5.04412669848781	0.00148958213972085	0.784238393657608	0.0093489461745036
OV	WDR82	cg03869063	-0.676089512723163	10	-2.42768374423154	0.0455752116134052	0.457097029214244	0.134855198062198
OV	WDR82	cg10989431	0.510820622812547	10	1.57208824442536	0.159925999445463	0.260937708690599	0.329666905208514
OV	WDR82	cg11442381	0.0635732665493582	10	0.168539980379756	0.870924998671839	0.00404156021975575	0.931463949181934
OV	WDR82	cg11665333	-0.359345636079671	10	-1.01878971526431	0.34221547401511	0.129129286169503	0.541400983985754
OV	WDR82	cg12661343	0.30220080986837	10	0.838763030258275	0.429311195283677	0.0913248889484509	0.623396332659468
OV	WDR82	cg13539115	0.179288759583473	10	0.482166254754398	0.64439876931844	0.0321444593129805	0.791399288881314
OV	WDR82	cg15991175	-0.556930969792077	10	-1.7741078302904	0.11931807015202	0.310172105113544	0.269691148509683
OV	WDR82	cg17632831	0.149694469585238	10	0.400567816192217	0.700682298681236	0.0224084342244058	0.828515062587782
OV	WDR82	cg24007312	0.051895536684241	10	0.137487946646358	0.894516261181722	0.0026931467277454	0.944028921939992
OV	WDR82	cg26236504	0.609612597276739	10	2.03467183856671	0.0813500200719244	0.371627518758491	0.205405500210168
OV	WDR82	cg26858096	-0.609178804885602	10	-2.03236917106951	0.081626912890073	0.37109881632185	0.205930862023944
OV	ZMYND1	cg00614684	-0.448748313182893	10	-1.32855767229593	0.225666944073633	0.201375048584492	0.415044074123226
OV	ZMYND1	cg02813021	-0.255461591666007	586	-4.62211831620745	5.60764971008322e-06	0.0652606248165297	7.88435751936045e-05
OV	ZMYND1	cg02867818	-0.02778423453239	10	-0.0735385649720061	0.943434821518285	0.00077196368855085	0.969811049761618
OV	ZMYND1	cg03254875	-0.609512848604249	10	-2.03414209294378	0.0814136388287925	0.371505912613666	0.205529947379827
OV	ZMYND1	cg05236965	0.2022153676267	10	0.546297491835771	0.601830744032697	0.0408910549044013	0.761355919297486
OV	ZMYND1	cg08828193	-0.517414789959628	10	-1.59973740034392	0.153689839482287	0.267718064868966	0.320970399266713
OV	ZMYND1	cg12639781	0.673311139345671	10	2.4094022153583	0.0468150768236527	0.453347890366965	0.13754039376182
OV	ZMYND1	cg13939078	-0.0590618222404592	10	-0.156536154582432	0.88002945433075	0.0034882988463636	0.936347006362666
OV	ZMYND1	cg14255089	0.243689990000708	586	4.39533933511571	1.52722276443022e-05	0.0593848112265454	0.000189427244477175

OV	ZMYND1	cg14694828	0.197236063818167	10	0.532293943524869	0.610992922672934	0.038902064870484	0.768063075485468
OV	ZMYND1	cg17632565	-0.259467303505675	10	-0.710830559649431	0.500181309151712	0.0673232815885062	0.684139263734234
OV	ZMYND1	cg22593633	-0.0524725130729766	10	-0.13902073957264	0.893348840366645	0.0027533646281937	0.943460395963764
OV	ZMYND1	cg24757747	-0.221858691646884	10	-0.601985098436218	0.56616363313209	0.049221279059267	0.735244872484184
PAAD	ACTL6A	cg03667091	-0.0634937808895846	185	-0.846437726383214	0.398451521480641	0.00403146021165458	0.595068874295738
PAAD	ACTL6A	cg03839554	-0.0982010199485048	185	-1.31282500639939	0.190941518767445	0.00964344031892663	0.37129691823713
PAAD	ACTL6A	cg07261848	-0.0828786339557721	185	-1.10643503551987	0.270039769035794	0.00686886796637486	0.466112930011211
PAAD	ACTL6A	cg10112003	0.139841522019413	185	1.87893303220024	0.061897507568533	0.0195556512807059	0.168436221623984
PAAD	ACTL6A	cg20132173	0.018015799267151	185	0.239723526672643	0.810821980280198	0.000324569023234279	0.897983929130557
PAAD	ACTL6A	cg22619386	0.134684424330987	185	1.80833630005557	0.0722515488777215	0.0181398941573695	0.188634325381531
PAAD	ACTL6A	cg25198545	0.00622423528092945	185	0.0828096686394659	0.934096455325995	3.87411048323669e-05	0.964983263115246
PAAD	ACTL6A	cg25575835	0.0187573245597279	185	0.249593884545274	0.803190853123796	0.000351837224638973	0.892760708510089
PAAD	ACTL6B	cg05729836	0.108363260544246	185	1.45021922768927	0.148767108744219	0.0117425962357801	0.313985416252416
PAAD	ACTL6B	cg08572611	-0.491924738404379	185	-7.51705649386803	2.68768990259727e-12	0.241989948254217	1.42623566359244e-10
PAAD	ACTL6B	cg09375063	-0.215046591518536	185	-2.92954916563688	0.00384175636234908	0.0462450365237402	0.0201057502218728
PAAD	ACTL6B	cg14088161	-0.234555430803528	185	-3.21011030575817	0.00157574285803312	0.0550162501194287	0.0097956960122925
PAAD	ACTL6B	cg16024950	-0.274586278880177	185	-3.79916330981642	0.000199433769752482	0.0753976245492624	0.00173271729775794
PAAD	ACTL6B	cg20497359	-0.274491523136304	185	-3.79774542372617	0.000200490712370269	0.0753455962736882	0.00174032281851934
PAAD	ACTL6B	cg24471254	-0.733869076698368	185	-14.3730653555455	1.52597339435058e-31	0.538563821734114	4.49665053939808e-29
PAAD	ACTL6B	cg26990587	-0.481492706470244	185	-7.30885174096876	8.90763692611865e-12	0.23183522638404	4.27753522858318e-10
PAAD	AEBP2	cg02664216	0.171724394624219	185	2.31909455409873	0.0215321280447966	0.0294892677090544	0.077058353976898
PAAD	AEBP2	cg07849438	0.0653627127978176	185	0.871457885558273	0.384684682842348	0.00427228422428999	0.582792651226593
PAAD	AEBP2	cg08161947	-0.0488850899727563	185	-0.651152333299655	0.515792629727461	0.00238975202164448	0.697011739803678
PAAD	AEBP2	cg24304000	0.0432779056555015	185	0.576315051592815	0.565134372085554	0.00187297711792649	0.734700718940415
PAAD	AEBP2	cg26259627	0.0555300504191223	185	0.739920956369507	0.460328230467741	0.00308358649955027	0.650135019729081
PAAD	AFF4	cg00931577	0.039707026099057	185	0.528684562700413	0.597686596220987	0.0015766479216312	0.758456724951315
PAAD	AFF4	cg01907658	-0.0816341353570503	185	-1.08970858307821	0.277322886537339	0.00666413205549321	0.474100520269203
PAAD	AFF4	cg05619425	0.168074329481339	185	2.26835236185484	0.0245156438952467	0.0282489802306016	0.0849422663400809
PAAD	AFF4	cg06638012	0.15110089751296	185	2.0336159697332	0.0434833820820951	0.0228314812292221	0.130211741178046
PAAD	AFF4	cg13393914	-0.103736153872034	185	-1.38760610509134	0.167001469713145	0.0107611896201623	0.339670370604068
PAAD	AFF4	cg13565585	-0.00767741475947122	185	-0.102144370451096	0.918757707767499	5.89426973889465e-05	0.95714488467291
PAAD	AICDA	cg07999668	0.0399084776455446	185	0.531371084516595	0.595827859619097	0.00159268658798493	0.757147821937765
PAAD	AIRE	cg08089567	0.131351357167619	185	1.76278917046118	0.0796618722163067	0.0172531790297753	0.20241754922901
PAAD	AIRE	cg09510531	0.252446887491968	185	3.4710108221325	0.000651451331891209	0.0637294310043823	0.00469183904979421
PAAD	AIRE	cg11923631	0.271445742708379	185	3.75223302645512	0.00023737756379013	0.0736827912345034	0.00200326685385265
PAAD	AIRE	cg12843033	0.304250034090241	185	4.24923004430168	3.4630229901849e-05	0.0925680832439128	0.000386406211271434
PAAD	AIRE	cg15955655	0.185348562440814	185	2.50938271627648	0.0129921827491791	0.0343540895988764	0.0523062601454038
PAAD	AIRE	cg16501323	0.355780957786969	185	5.06474738963146	1.02097535613007e-06	0.126580089923813	1.73912320680497e-05
PAAD	AIRE	cg16717549	0.284523002688485	185	3.94852812462813	0.000113350875941785	0.0809533390588714	0.00107314324486007
PAAD	AIRE	cg17356252	0.294651197502135	185	4.1021967695667	6.23332795087595e-05	0.0868193281894419	0.000643636202031382
PAAD	AIRE	cg18689454	0.298942546786707	185	4.16775889149676	4.80516851771824e-05	0.0893666462793228	0.00051242396116158
PAAD	AIRE	cg18876487	0.151819762267468	185	2.04351863637817	0.0424832333764837	0.0230492402149504	0.127949696372055
PAAD	AIRE	cg23272544	0.290310144543513	185	4.03615178998309	8.07666859869475e-05	0.0842799800248753	0.000801015243455966
PAAD	AIRE	cg27251412	0.283091269234039	185	3.92692312227663	0.000123126189333748	0.0801406667165392	0.0011518516269542
PAAD	ARID1A	cg04081153	-0.101188614879466	185	-1.35317244490235	0.177726287289492	0.0102391357812248	0.354168727737045
PAAD	ARID1A	cg04360147	-0.0157216880465111	185	-0.209189309826628	0.834541018681836	0.000247171747503181	0.911330647641527
PAAD	ARID1A	cg14851949	-0.114737773878349	185	-1.53663502187629	0.126168377172901	0.0131647567545592	0.28024048463307
PAAD	ARID1A	cg17385674	0.0409780166861072	185	0.545635360893443	0.586003590538905	0.00167919785152688	0.750289060605392
PAAD	ARID1A	cg20413923	0.0457587271845308	185	0.609418623273971	0.543028467980329	0.00209386111354832	0.717500118269415
PAAD	ARID1A	cg21294655	0.130427450773976	185	1.75017461683252	0.0818209834974375	0.017011319915398	0.206249121946721
PAAD	ARID1A	cg24542126	-0.146184579625718	185	-1.96597919984094	0.0508650113398366	0.0213699313203478	0.146122329843842
PAAD	ARID1A	cg25601319	-0.26433960619529	185	-3.64651759007891	0.000349343133266284	0.0698754274034807	0.00277474750269361
PAAD	ARID2	cg00035453	-0.408874309303508	178	-5.84168644078617	2.56820076019057e-08	0.167178200808421	6.4365531552276e-07
PAAD	ARID2	cg01183821	-0.336074609012581	185	-4.74730725365318	4.23786070124973e-06	0.112946142822959	6.1473081371065e-05
PAAD	ARID2	cg01353809	-0.352680379216507	185	-5.01430736289188	1.28549944790451e-06	0.124383449884299	2.13684068483512e-05
PAAD	ARID2	cg01751433	-0.155733035841356	185	-2.09748431230929	0.0373710602083475	0.0242527784523649	0.116485465896634
PAAD	ARID2	cg06613666	0.381091230658055	185	5.48391969502713	1.41799797511505e-07	0.145230526084471	2.9788966701948e-06

PAAD	ARID2	cg07276957	-0.080725963981179	185	-1.07750571743629	0.28272072604529	0.00651668126069061	0.479966309400473
PAAD	ARID2	cg23465749	-0.309789391517941	162	-4.04329429208082	8.30548533708718e-05	0.0959694670970563	0.000819425397987774
PAAD	ARID4A	cg02136725	-0.0253656954418075	185	-0.337577248005514	0.736081795227551	0.000643418505246534	0.851123637062561
PAAD	ARID4A	cg06154646	0.0485554386480307	185	0.646750945792023	0.518630938424308	0.00235763062230268	0.699437889601633
PAAD	ARID4A	cg08066755	-0.00806567066347284	185	-0.107310259511154	0.914664382668797	6.50550432516064e-05	0.954910976135513
PAAD	ARID4A	cg08790491	-0.0912979862911838	185	-1.21973478574977	0.224188201850738	0.00833532230082519	0.413369768188315
PAAD	ARID4A	cg10064886	0.183540363738313	185	2.48404423162937	0.013919728316873	0.0336870651211922	0.0551360155133818
PAAD	ARID4A	cg10242170	-0.0967744192781657	185	-1.2935714930805	0.197499030523326	0.00936528822662621	0.37981409029298
PAAD	ARID4A	cg10844118	-0.408498937302411	185	-5.95417421717067	1.37338238139123e-08	0.166871381777199	3.64520330869836e-07
PAAD	ARID4A	cg12203852	0.0394230790915491	184	0.523413142768507	0.601345174837096	0.00155417916505853	0.761037485514355
PAAD	ARID4A	cg14272338	0.00937878267549615	185	0.124782076130036	0.900837681725038	8.79615644741868e-05	0.947745100933662
PAAD	ARID4A	cg14460816	-0.193270171401216	185	-2.62070426293661	0.00953781046133722	0.0373533591534553	0.0410457723642899
PAAD	ARID4A	cg17323045	0.11764585578053	185	1.57612150772593	0.116783433646125	0.0138405473823334	0.265769086036352
PAAD	ARID4A	cg19548283	-0.342825006813501	185	-4.85521986823377	2.63103095190136e-06	0.117528985296677	4.0275171560845e-05
PAAD	ARID4A	cg20996579	-0.0588060623988867	185	-0.78372006058124	0.434251867063061	0.00345815297486176	0.627711727420264
PAAD	ARID4A	cg26429530	-0.160650311987325	185	-2.16543944539653	0.0316923092029326	0.0258085227416249	0.102792224395787
PAAD	ARID4A	cg27026909	-0.323728571321582	185	-4.5520568014441	9.84836456287564e-06	0.104800187889913	0.000129067330324183
PAAD	ARID4B	cg05652840	0.0494568393454846	185	0.6587866346747	0.510888866479422	0.00244597895804507	0.693081900092428
PAAD	ARID4B	cg06212607	-0.31471902004575	184	-4.39874222489112	1.88136656628826e-05	0.099048061578557	0.000227195018096599
PAAD	ARID4B	cg06891548	-0.399978164107851	185	-5.80602307024668	2.90330900591516e-08	0.159982531763087	7.20446637340237e-07
PAAD	ARID4B	cg07814876	-0.314659788961373	185	-4.41029950421892	1.78798081458475e-05	0.0990107827892157	0.000217368619299588
PAAD	ARID4B	cg10107779	0.11586480719667	185	1.55193328284886	0.122464382650352	0.0134246535467214	0.274529411978835
PAAD	ARID4B	cg11732257	-0.35989753794362	185	-5.13201203622576	7.49074411744007e-07	0.12952623781788	1.32079543942007e-05
PAAD	ARID4B	cg22596515	0.253916255020245	185	3.49260186901942	0.000604129369641398	0.064473464563506	0.00439929235063961
PAAD	ARID4B	cg23687319	-0.310587374445404	185	-4.34708191913567	2.32253883903483e-05	0.0964645171648898	0.000273012369966569
PAAD	ARID4B	cg26020585	0.111425378395829	185	1.49170739772315	0.137555993803779	0.0124156149506537	0.297614611802515
PAAD	ASH1L	cg03119126	-0.065691991151419	185	-0.875867016797303	0.382289403964658	0.00431543770143811	0.580691159155214
PAAD	ASH1L	cg08095278	0.183006160593702	185	2.47656339182085	0.0142046228277329	0.0334912548152478	0.0559511102916785
PAAD	ASH1L	cg09410084	0.225885328178435	185	3.08494256976441	0.00236293754052105	0.0510241814862791	0.0136043785544179
PAAD	ASH1L	cg10558228	-0.200035117693917	178	-2.66194003464277	0.00851460768467324	0.0400140483108193	0.0376955036547616
PAAD	ASH1L	cg17038116	-0.0807833850998281	185	-1.07827718994246	0.282377359245387	0.00652595530818713	0.479529890529046
PAAD	ASH1L	cg20064047	0.0934734797710943	185	1.24905240425339	0.213295260907581	0.00873729142051717	0.399697543692268
PAAD	ASH1L	cg21852905	-0.00285493103989754	185	-0.0379825418927509	0.969744406522788	8.15063124257045e-06	0.984061878304425
PAAD	ASH1L	cg23821590	0.105800489540747	185	1.41552879255055	0.158670637150549	0.0111937435870617	0.327878558111626
PAAD	ASH1L	cg24312492	0.0493853685157836	185	0.657832282836212	0.51150053167081	0.00243891462343975	0.693621735175803
PAAD	ASH1L	cg26185843	-0.114460431190613	185	-1.53287131851102	0.127092994295176	0.0131011903083411	0.281787339989139
PAAD	ASH2L	cg00590869	0.171245852324196	185	2.31243643825137	0.0219045043671651	0.0293251419382403	0.0780130482415071
PAAD	ASH2L	cg01642070	-0.18355645107187	185	-2.48425826135455	0.0139116527664329	0.0336926748507156	0.0551068341214867
PAAD	ASH2L	cg02897270	-0.102156439931634	185	-1.36625078857211	0.173593503849708	0.0104359382195055	0.348572999768127
PAAD	ASH2L	cg03189282	-0.209029312023256	185	-2.84377488562196	0.00498319736532959	0.04369332532849156	0.02469819417931
PAAD	ASH2L	cg03705346	-0.0706482584295364	185	-0.942268401623673	0.347339539752527	0.00499117641912656	0.546626596045776
PAAD	ASH2L	cg10062221	0.121626369345386	185	1.63023654995635	0.104829740593818	0.0147929737201403	0.24635909217815
PAAD	ASH2L	cg21453287	-0.065171269172798	185	-0.868894532245344	0.386081480494072	0.00424729432559329	0.584156268140543
PAAD	ASH2L	cg24318412	0.0787619025406356	185	1.05112432420008	0.294634451226597	0.00620343729182057	0.492454290536307
PAAD	ASH2L	cg27255459	0.0491997022897103	185	0.655353124217579	0.513091279215964	0.00242061070539612	0.694780170270966
PAAD	ASXL1	cg00174466	-0.0817763158508607	185	-1.09161927246623	0.27648416194546	0.00668736583413973	0.473095391834971
PAAD	ASXL1	cg04218270	-0.00760570998676063	185	-0.101190316931489	0.919513917518993	5.78468244027104e-05	0.957607525997695
PAAD	ASXL1	cg09065199	0.0504523193409199	185	0.67208036619182	0.502408861108742	0.00254543652687816	0.686028135594564
PAAD	ASXL1	cg10421984	-0.0978477373944315	185	-1.30805632114669	0.192550419260396	0.00957417971320962	0.373259258825926
PAAD	ASXL1	cg12592359	0.00172403703851903	185	0.0229368550684218	0.981726479247481	2.97230371018545e-06	0.99056234190509
PAAD	ASXL1	cg16926526	-0.0165520911430999	185	-0.220241422089936	0.825936957228101	0.000273971721209487	0.906388010137015
PAAD	ASXL1	cg18793288	0.101032421100624	185	1.35106214318743	0.178400012723327	0.0102075501134538	0.355012071410433
PAAD	ASXL1	cg24727216	-0.00989909142298142	185	-0.13170529884754	0.895366983107445	9.79920110005444e-05	0.944437833331443
PAAD	ASXL2	cg05165989	0.211772269295897	185	2.88283219725285	0.00442972149379303	0.0448474940427339	0.0225203080569949
PAAD	ASXL2	cg05496738	0.0212579345028425	185	0.282882348435219	0.777597578741348	0.000451899779327142	0.877019587395497
PAAD	ASXL2	cg06583696	0.602689282471248	185	10.048246839982	4.41862601904371e-19	0.363234371205708	5.35424598949355e-17
PAAD	ASXL2	cg09476286	0.113446282997532	185	1.51911181611998	0.130518566612168	0.0128700591259562	0.286954589100081

PAAD	ASXL2	cg19084174	-0.131605612990187	185	-1.76626147031477	0.0790758194043363	0.0173200373705228	0.201336135849347
PAAD	ASXL2	cg20667782	0.430349403259948	184	6.32487855696204	2.02796356132447e-09	0.185200608886193	6.33333590083001e-08
PAAD	ASXL2	cg24738909	0.138185397801366	185	1.85624525856148	0.0650808557178063	0.0190952041655218	0.174775617568041
PAAD	ASXL3	cg09963640	-0.106983754574638	185	-1.43154223304003	0.154038245398283	0.0114455237428863	0.32146501227336
PAAD	ASXL3	cg12361352	-0.046070984907693	171	-0.588820187897639	0.556797001421343	0.00212253565036488	0.728150115631515
PAAD	ASXL3	cg17880622	-0.0724492349407536	185	-0.96641401843736	0.335155644491366	0.00524889164350051	0.534745030714167
PAAD	ASXL3	cg20034091	-0.0705469065801541	185	-0.940909859129935	0.348033404585045	0.00497686602802899	0.547244278449499
PAAD	ASXL3	cg20329085	-0.0699810831120721	185	-0.933325973770217	0.351923126564971	0.00489735199353875	0.550788792258386
PAAD	ASXL3	cg24880056	-0.0958367267491102	185	-1.28092071315772	0.201897309242294	0.00918467819398361	0.385305552810765
PAAD	ASXL3	cg27109877	-0.0474797843849901	185	-0.632390657550097	0.527947691666347	0.00225432992524515	0.706442136576103
PAAD	ATAD2B	cg08192560	-0.077241355916491	185	-1.03070872418348	0.304083778977982	0.00596622706381805	0.502675170034278
PAAD	ATAD2B	cg14009731	0.0132924169092936	185	0.176859730208925	0.859820781216005	0.000176688347290476	0.925481304917936
PAAD	ATAD2B	cg15717719	-0.0804340915186537	185	-1.07358447715295	0.284470401717807	0.00646964307843116	0.481772900714969
PAAD	ATAD2B	cg16929802	0.0647991533517472	185	0.8639123261306	0.388805255914746	0.00419893027510325	0.586508757078576
PAAD	ATAD2B	cg17933838	0.0146277406855196	185	0.194630256082732	0.845905629148181	0.000213970797562806	0.917699315473219
PAAD	ATAD2B	cg19614157	0.0784022187628224	185	1.04629437339422	0.296851864160888	0.00614690790693346	0.49484215994969
PAAD	ATAD2B	cg20806130	-0.234885821826368	185	-3.21489585525831	0.00155114727686329	0.0551713492950481	0.00966364629264856
PAAD	ATAD2B	cg27610867	-0.216060211582461	185	-2.94403207336576	0.00367455542439488	0.0466820150290579	0.0193736607716283
PAAD	ATAT1	cg01245721	-0.0361310913780278	185	-0.481006975592905	0.63110560056648	0.0013054557641674	0.782297294479855
PAAD	ATAT1	cg05093836	-0.0232042930875056	185	-0.308796185935571	0.757839728316897	0.000538439217690861	0.864981129503282
PAAD	ATAT1	cg06814856	-0.00126780031803556	185	-0.0168669997536517	0.986561716942185	1.60731764641106e-06	0.992960550623424
PAAD	ATAT1	cg07142893	-0.0178483647365909	185	-0.237494880240102	0.812547566871398	0.00031856412377038	0.899011910018112
PAAD	ATAT1	cg07816366	-0.0263306205912135	185	-0.350427620039192	0.726434479988715	0.000693301580718438	0.845065165102692
PAAD	ATAT1	cg08081524	-0.151727580241072	185	-2.04224860473559	0.0426103970214956	0.0230212586058108	0.128243315764865
PAAD	ATAT1	cg08188471	-0.110212582361655	179	-1.45005017800276	0.148876200043916	0.0121468133108247	0.314147478943674
PAAD	ATAT1	cg08635134	-0.193095204210317	185	-2.61823981285008	0.00960433146204976	0.0372857578890242	0.0412749619798199
PAAD	ATAT1	cg09532691	-0.357220288781521	185	-5.08822724087148	9.16655505727993e-07	0.127606334717154	1.58643600472978e-05
PAAD	ATAT1	cg12907138	-0.00871848706846845	185	-0.115996334942645	0.907786945362083	7.60120167630515e-05	0.951106865716191
PAAD	ATAT1	cg13542073	-0.197053512590661	185	-2.67405742865683	0.00819566012383033	0.0388300868243177	0.036606372146366
PAAD	ATAT1	cg13964084	-0.0289056995745307	185	-0.384726081111552	0.700902236803863	0.000835539467893023	0.828664729280494
PAAD	ATAT1	cg15381130	-0.00454954624523109	185	-0.0605284024735513	0.951803084126831	2.06983710374963e-05	0.974501449376993
PAAD	ATAT1	cg15729859	-0.110811438740624	185	-1.4833858145426	0.139750378127871	0.0122791749557671	0.300947845427808
PAAD	ATAT1	cg18298197	-0.0685027896235738	185	-0.913516258540302	0.362213757887836	0.00469263218621161	0.561137029654419
PAAD	ATAT1	cg20629923	-0.174003482205566	185	-2.3508275517572	0.0198327138688224	0.0302772118196627	0.0723365438000455
PAAD	ATAT1	cg22759096	-0.228634751859893	185	-3.12454974826209	0.00208133315524427	0.0522738497580349	0.0122839869113931
PAAD	ATAT1	cg23328390	-0.066336315570475	185	-0.884495537556343	0.377628680609333	0.00440050676346564	0.576205193380717
PAAD	ATAT1	cg26934609	-0.0466859515035468	185	-0.62179418131471	0.534877283661604	0.00217957806779152	0.711497607560426
PAAD	ATF7IP	cg00236831	-0.0176918834371153	184	-0.234746097743536	0.814678686806577	0.000313002739552475	0.900288897340388
PAAD	ATF7IP	cg11409060	-0.26588368721912	185	-3.66943320854937	0.000321499521273229	0.0706941351292349	0.00258910287349168
PAAD	ATF7IP	cg12526346	-0.3157675605501	185	-4.42754238709003	1.66407588200947e-05	0.0997091522957611	0.000203962689719623
PAAD	ATF7IP	cg12948116	-0.310202338004742	185	-4.34111864914146	2.38022318533557e-05	0.0962254905036082	0.000278824096491486
PAAD	ATF7IP	cg17439009	-0.0187498435439516	185	-0.249494303574864	0.80326774965598	0.000351556632922665	0.892820667182028
PAAD	ATF7IP	cg19789919	0.0191983399155512	185	0.255464383561178	0.798661067266348	0.000368576255513047	0.8900274906446
PAAD	ATF7IP	cg21275967	-0.173985706838975	185	-2.35057990552811	0.0198455052721437	0.0302710261842577	0.0723662340461772
PAAD	ATF7IP	cg26637901	-0.23682799084247	144	-2.84273656350505	0.00516284252914532	0.056087497246481	0.0254330149260594
PAAD	ATM	cg01756564	-0.119040480831324	185	-1.59507251116924	0.112480019507388	0.0141706360765527	0.259098384388185
PAAD	ATM	cg01800843	-0.140215682039616	185	-1.88406098938183	0.0611962940061986	0.0196604374898347	0.166989529479049
PAAD	ATM	cg01991180	-0.176477723360178	184	-2.37857416019196	0.0184508441172076	0.0311443868423915	0.0684093493115074
PAAD	ATM	cg02105423	-0.0642177061300946	185	-0.856128135255894	0.393084423858821	0.00412391378061119	0.589918584595426
PAAD	ATM	cg03165700	-0.180863535424571	185	-2.44658136477641	0.0153991847312123	0.0327116184462749	0.0596002078099467
PAAD	ATM	cg03569616	-0.167871686514082	185	-2.26553811078985	0.0246912096370413	0.0281809031330822	0.0854118885901549
PAAD	ATM	cg04709886	0.0763306413815569	185	1.01848450088422	0.30983786780657	0.00582636681371985	0.508566876002623
PAAD	ATM	cg04826772	0.08130820033114	185	1.08532876507326	0.279252061035678	0.0066110234410888	0.476291570809883
PAAD	ATM	cg05033322	-0.202052620632949	185	-2.74474659279917	0.00668030152885171	0.0408252615046425	0.0312068322305584
PAAD	ATM	cg05637308	-0.0886765617108692	185	-1.18443101841545	0.237830509846008	0.00786353259686159	0.429365451787156
PAAD	ATM	cg06053805	-0.124127646890183	185	-1.66428206132911	0.0978253830457531	0.0154076727224941	0.234384423562823
PAAD	ATM	cg06081482	-0.226831212652977	184	-3.08979441248864	0.00232855818465811	0.0514523990336201	0.0134432545764225

PAAD	ATM	cg06750635	-0.139225038626147	185	-1.87048576169446	0.0630672308446519	0.0193836113804522	0.170753216034833
PAAD	ATM	cg09808176	-0.199453269705635	185	-2.70796335510056	0.00743383849418893	0.0397816067962689	0.0339435397178479
PAAD	ATM	cg10610482	-0.181358933088269	185	-2.45351030848658	0.0151154607262323	0.0328910626109154	0.0587255532242189
PAAD	ATM	cg10976287	-0.162042920406267	185	-2.18471466028031	0.0302240698088973	0.0262579080537917	0.099229679084054
PAAD	ATM	cg11588932	-0.125934134186944	185	-1.68889060922416	0.0930012560164579	0.0158594061534153	0.226091073101624
PAAD	ATM	cg12019961	-0.295766238147384	170	-3.94079963183435	0.000120517649223663	0.0874776676278549	0.0011305378034132
PAAD	ATM	cg12106634	-0.191948913495395	185	-2.60210046939427	0.0100503754965745	0.0368443853920625	0.0428064008420761
PAAD	ATM	cg12848864	-0.155618593648804	185	-2.09590468394966	0.0375128383736061	0.0242171466892317	0.11681038099653
PAAD	ATM	cg14761454	-0.131685530095892	176	-1.72183406830169	0.0869401566818404	0.017341078836636	0.21547110608516
PAAD	ATM	cg15370815	-0.00276018336967744	185	-0.0367219912204542	0.970748056459277	7.6186122342439e-06	0.984542843974147
PAAD	ATM	cg15504467	-0.0261139164495034	185	-0.347541582752792	0.728597406546913	0.000681936632331643	0.846584219215417
PAAD	ATM	cg16693212	-0.0878987223831785	185	-1.1739603536257	0.241988070129777	0.00772618539659509	0.434281164706004
PAAD	ATM	cg16788234	-0.0211197729376609	185	-0.281042989778482	0.779005685344477	0.000446044808938354	0.877793251433077
PAAD	ATM	cg17114932	-0.17780210333457	185	-2.40380472163251	0.0172577825732645	0.0316135879501972	0.0650083254650659
PAAD	ATM	cg17420659	-0.272807262096239	185	-3.77256274212434	0.00022017030811673	0.0744238022524461	0.00188198318312635
PAAD	ATM	cg18042593	-0.174364436259822	185	-2.35585687303375	0.0195745059114562	0.0304029566322056	0.0716264869649963
PAAD	ATM	cg18391757	-0.0588156272435131	185	-0.783847975620923	0.434176993320071	0.00345927800804788	0.627650147142781
PAAD	ATM	cg18457775	0.0230708817119441	185	0.307019836764803	0.75918917900251	0.000532265582966518	0.865936939055206
PAAD	ATM	cg19288979	0.0815954268390037	185	1.08918841112793	0.277551525892377	0.0066578136810392	0.474337507697795
PAAD	ATM	cg20342375	-0.0342968682365436	185	-0.456558753030187	0.648547989339278	0.00117627517083484	0.794337525704701
PAAD	ATM	cg22477592	0.0656204790812831	185	0.874909425367684	0.382808834011759	0.00430604727485711	0.581077666987528
PAAD	ATM	cg22678707	-0.0611793367018343	185	-0.815465674591341	0.415901771963425	0.00374291123927641	0.611495042850848
PAAD	ATM	cg22837512	-0.0162943341689147	185	-0.216810800681045	0.828605489687041	0.000265505326008262	0.907891259506928
PAAD	ATM	cg23275463	-0.226285695889218	185	-3.09070525745201	0.00231988697931572	0.0512052161640676	0.0134031405621157
PAAD	ATM	cg23389069	-0.0745969340578001	185	-0.995220574828275	0.320987596724977	0.00556470257082377	0.520454971959042
PAAD	ATM	cg24030675	-0.0636576719496524	185	-0.848631441759283	0.397232635704965	0.00405229919804956	0.593824306832086
PAAD	ATM	cg24568245	-0.181259979750564	185	-2.45212613062279	0.0151717656227454	0.032855180259175	0.0589046431529597
PAAD	ATM	cg25400013	-0.117708191621194	185	-1.57696836181016	0.116588384787544	0.0138552183747317	0.26540284444789
PAAD	ATM	cg25740661	-0.0427185315345257	185	-0.568852376201367	0.570177411453487	0.00182487293646627	0.738251777484688
PAAD	ATM	cg25918541	-0.180724068170778	185	-2.44463103548948	0.0154798941280773	0.0326611888161959	0.0598351825399803
PAAD	ATM	cg27453365	-0.160927930178248	185	-2.16928091946957	0.0313948686964701	0.025897798711455	0.102121517305234
PAAD	ATM	cg27599391	-0.256367771699516	185	-3.52868235988866	0.000532179796903141	0.0657244343661749	0.00395155055075718
PAAD	ATR	cg00911981	-0.010785271174464	185	-0.143497046613958	0.886060879947352	0.000116322074306723	0.93957495890383
PAAD	ATR	cg00969988	0.0362814427874019	185	0.483011210717779	0.629684669246833	0.00131634309073552	0.781525713855941
PAAD	ATR	cg11458642	0.0958886382014571	185	1.28162098072651	0.201651980688643	0.00919463093612993	0.384983660196631
PAAD	ATR	cg11936145	-0.0191193546156468	185	-0.25441297364654	0.799471857229938	0.000365549720918854	0.890500777158719
PAAD	ATR	cg15135999	-0.0181500663381817	185	-0.241510710396595	0.809438876550215	0.000329424908080395	0.897002962656305
PAAD	ATR	cg15291273	-0.0771115372570532	185	-1.02896605289719	0.304899672225211	0.0059461891781459	0.503403478523878
PAAD	ATR	cg15480357	-0.0133553604505629	185	-0.177697362603012	0.859163853288403	0.000178365652764459	0.925205808373611
PAAD	ATR	cg16031872	-0.149787736195379	185	-2.01553512809937	0.0453612941777126	0.0224363659145366	0.13441138566546
PAAD	ATR	cg17945282	-0.132781509018536	185	-1.78232497545591	0.076410483243503	0.0176309291372394	0.196531016777262
PAAD	ATR	cg20032934	-0.0879683894155762	185	-1.17489806820785	0.24161364500269	0.00773843753637047	0.433879455675983
PAAD	ATR	cg20636078	-0.0849975694424027	185	-1.13492623070801	0.257940803364501	0.00722458681111607	0.452441813193343
PAAD	ATR	cg24631870	-0.129068831528134	185	-1.73163312758307	0.0850812250759149	0.0166587632720378	0.212161708611589
PAAD	ATR	cg24856922	0.018929789283612	185	0.251889601105381	0.801418632517918	0.000358336922321953	0.891631667664415
PAAD	AURKB	cg02245743	-0.120172165908814	185	-1.6104575611784	0.109079912377816	0.0144413494592155	0.253404685505414
PAAD	AURKB	cg04612488	-0.165468739507395	185	-2.23218904506988	0.0268567709887085	0.027379903754166	0.0908982224187771
PAAD	AURKB	cg05617798	-0.199439730413503	185	-2.70777191816704	0.00743795371300413	0.0397762060674108	0.0339570522975025
PAAD	AURKB	cg05811247	-0.0824975879759218	185	-1.10131310786131	0.272255795261584	0.00680585202184496	0.468609179726941
PAAD	AURKB	cg11009596	-0.173625279368869	185	-2.34555894434395	0.0201064187999326	0.0301457376359179	0.0731393782905618
PAAD	AURKB	cg12844497	0.0778020540554959	185	1.03823608077437	0.300576393429524	0.00605315961525431	0.498879584336311
PAAD	AURKB	cg13678641	-0.130021460969627	185	-1.74463290509482	0.0827845242137264	0.0169055803126762	0.207974529376821
PAAD	AURKB	cg21724796	-0.118016048055571	185	-1.58115097600124	0.115628820201652	0.0139277875986548	0.263897619910088
PAAD	BAP1	cg00794529	-0.179475797221637	185	-2.42718181473218	0.0162188543258118	0.0322115617883422	0.0619556972611183
PAAD	BAP1	cg02503646	-0.186501167238711	185	-2.52554804896779	0.0124296315957497	0.0347826853814018	0.0505357353590339
PAAD	BAP1	cg03075736	-0.0925397695199133	185	-1.2364672528053	0.217923133432715	0.00856360894279868	0.405485706228303
PAAD	BAP1	cg05442719	0.0598398760510944	185	0.797546984151039	0.426202059452455	0.00358081076581034	0.6208400526738

PAAD	BAP1	cg05908979	-0.0696856046614862	185	-0.929365956263399	0.353965181999888	0.00485608349703695	0.55298305395766
PAAD	BAP1	cg09096430	-0.0757179122780454	185	-1.01026148332403	0.313749085270303	0.00573320223974578	0.512817677286244
PAAD	BAP1	cg10449522	-0.0996147176970997	185	-1.33191244240026	0.184601487173029	0.00992309198187287	0.363097977121656
PAAD	BAP1	cg10956904	-0.103598828270037	185	-1.38574925412483	0.167567008271906	0.0107327172189247	0.340391774693365
PAAD	BAP1	cg11234564	0.0675909953857524	185	0.901300879416053	0.368653122258261	0.0045685426572368	0.567496457831232
PAAD	BAP1	cg12859382	-0.183712500532861	185	-2.48645527466148	0.0138289981712487	0.0337502828520365	0.0548632303398502
PAAD	BAP1	cg16841708	-0.141177906457039	185	-1.89725230414914	0.059422903986613	0.0199312012715925	0.163532807157725
PAAD	BAP1	cg24291822	-0.170168476851417	185	-2.29745272311622	0.0227632466181326	0.0289573105139312	0.0802921789803222
PAAD	BAP1	cg24747396	-0.220874687804079	185	-3.01296009725451	0.00296654274193462	0.0487856277125492	0.0163187120680287
PAAD	BAP1	cg25749966	-0.126085904097714	185	-1.69095884120838	0.0926047396408994	0.0158976552121379	0.225457315078737
PAAD	BAZ1A	cg05294307	0.111202601610724	185	1.48025303436262	0.140603782807532	0.0123660186049933	0.302208395859236
PAAD	BAZ1A	cg07414384	-0.21364384956233	185	-2.90952272940575	0.00408444942548842	0.0456436944558117	0.0210958477364524
PAAD	BAZ1A	cg23422263	-0.0188628327195218	185	-0.250998324627183	0.802106547954777	0.000355806458204661	0.892014306628649
PAAD	BAZ1A	cg26967526	0.282721052072181	185	3.92134116036513	0.000125779136785453	0.0799311932848011	0.00117324486415918
PAAD	BAZ1B	cg00525989	0.222293412900842	185	3.0333156270145	0.00278285330443723	0.0494143614191045	0.0154989468761018
PAAD	BAZ1B	cg04742505	0.385559418513587	185	5.55936804726678	9.8312237233843e-08	0.148656065204535	2.13873103561789e-06
PAAD	BAZ1B	cg05166819	0.205514234400814	185	2.793825706244	0.0057827453901236	0.0422361005413526	0.0278587376070891
PAAD	BAZ1B	cg06059318	0.317813098823823	185	4.45943489606672	1.45631165574645e-05	0.101005165784001	0.000181703783395573
PAAD	BAZ1B	cg06394887	0.0333860559523241	185	0.444420336240986	0.65728162251892	0.00111462873205172	0.800382192013289
PAAD	BAZ1B	cg14093368	0.0104862016798283	185	0.139517510507489	0.889199843543568	0.000109960425670033	0.941250920217552
PAAD	BAZ1B	cg15636799	0.0718285071222423	185	0.958090885536639	0.339323775839569	0.00515933443541001	0.538584281901382
PAAD	BAZ1B	cg19160975	0.0277205690363307	185	0.368939963800091	0.712613418955979	0.000768429947697975	0.836502065825658
PAAD	BAZ1B	cg20612831	0.0645690869339501	185	0.860832180576153	0.390495060027472	0.00416916698748401	0.58784394196075
PAAD	BAZ1B	cg21340129	0.186805897627549	185	2.52982370857889	0.0122845244641184	0.0348964433884344	0.0500844974666752
PAAD	BAZ1B	cg25710357	0.235656849585454	185	3.22606839973113	0.00149510662965803	0.0555341507565412	0.00937699930161204
PAAD	BAZ2A	cg14634319	0.221907187905312	185	3.02777216164515	0.00283181116240284	0.049242800440436	0.0157176025662076
PAAD	BAZ2A	cg18206859	0.161033896390023	185	2.17074734043769	0.0312819641638222	0.0259319157865527	0.101856233055432
PAAD	BAZ2A	cg18955060	-0.125169956832527	185	-1.67847867274245	0.0950183271172294	0.0156675180934567	0.229588726014421
PAAD	BAZ2A	cg25683012	0.0820814505895721	185	1.09572004550193	0.27468996163736	0.00673736453088837	0.471144520584196
PAAD	BRD7	cg03021120	0.00743878442596252	185	0.0989693282721032	0.92127461904344	5.53355137359425e-05	0.95875266161713
PAAD	BRD7	cg16433860	-0.0239972781911666	185	-0.319354988002732	0.749833936306523	0.000575869360584238	0.859883340602496
PAAD	BRD7	cg16834187	0.11629009111363	185	1.557700762857288	0.121088786669222	0.0135233852912163	0.272371868444282
PAAD	BRD8	cg01096096	0.0870904468231327	185	1.1630822726532	0.246361748704924	0.00758474592785291	0.439494264326519
PAAD	BRD8	cg03204906	-0.181351174835421	185	-2.453401781806	0.0151198686058165	0.0328882486141876	0.0587324640895237
PAAD	BRD8	cg03684156	-0.0228156079691408	185	-0.303620957114684	0.761773287005901	0.00052055196700152	0.867595244635386
PAAD	BRD8	cg07430605	0.00194500905170385	185	0.0258767113547514	0.979384826379764	3.7830602112099e-06	0.989368296996291
PAAD	BRD8	cg07632946	-0.209335011638445	185	-2.84812428460614	0.0049185833350819	0.0438211470976677	0.0244542897660486
PAAD	BRD8	cg08976717	-0.0451081187093792	185	-0.600735969854346	0.548784325600007	0.00203474237349945	0.721906858969309
PAAD	BRD8	cg11110536	-0.0957265446685182	185	-1.27943442988013	0.202418733953745	0.0091635713541738	0.386021204353631
PAAD	BRD8	cg11346339	-0.139435323677256	185	-1.87336691105103	0.0626662141744425	0.0194422094889813	0.169986940461194
PAAD	BRD8	cg12964860	-0.222814506002878	185	-3.04079722792588	0.00271801428076003	0.0496463040853068	0.0152283185421279
PAAD	BRD8	cg14473243	0.0248414496962917	185	0.330596013543367	0.741340662362274	0.000617097623013389	0.854447562964576
PAAD	BRD8	cg22106577	-0.0970151459236615	185	-1.29681979072706	0.196381194120157	0.00941193853858933	0.378440848556652
PAAD	BRD8	cg22818036	-0.0404327007630983	185	-0.538362335319273	0.591003292371281	0.00163480329099825	0.75382318872208
PAAD	BRD8	cg23298160	-0.0754502080733065	185	-1.00666917044486	0.315467980821377	0.00569273389830524	0.514663035581984
PAAD	BRD8	cg26008208	-0.144571659303749	185	-1.94382197464163	0.0535025698495633	0.0209009646738394	0.151594511905482
PAAD	BRD8	cg26630792	-0.0293803074276063	185	-0.391048380817421	0.696231780890905	0.000863202464540656	0.825851658371356
PAAD	BRD8	cg27119451	-0.175894158620345	185	-2.37718202334168	0.018512274323039	0.0309387550367592	0.068571748818517
PAAD	BRD9	cg02364331	0.0445942386265427	185	0.593878558352213	0.553351568615496	0.00198864611868104	0.725303126206316
PAAD	BRD9	cg02822723	-0.0676998195828542	185	-0.902758685906693	0.367880882899047	0.004583265571551	0.566801235605002
PAAD	BRD9	cg05193570	-0.15310789298924	185	-2.06127149751018	0.0407393186250473	0.0234420268956046	0.123978975594294
PAAD	BRD9	cg07308931	-0.151466982564648	185	-2.03865853278329	0.0429716148824426	0.0229422468072395	0.129001073094263
PAAD	BRD9	cg09497020	0.00997285063891084	185	0.132686746726376	0.894591847285989	9.94577498660243e-05	0.944029938671375
PAAD	BRD9	cg10551270	-0.101616105858274	185	-1.3589487042401	0.175891957627117	0.0103258329697999	0.35171157824557
PAAD	BRD9	cg10600960	-0.154893864823549	185	-2.0859033661872	0.0384212540652709	0.0239921093599758	0.118819535933477
PAAD	BRD9	cg13722821	-0.188103019399638	185	-2.54803205397287	0.0116833752415355	0.0353827459072606	0.04813815441661
PAAD	BRD9	cg17977043	0.045936636650419	185	0.611793037408834	0.541459730692848	0.00211017458675262	0.716414692998153

PAAD	BRD9	cg20079193	-0.0853034712744881	185	-1.13904065688049	0.256225413148414	0.00727668221147742	0.450509657372985
PAAD	BRD9	cg21160852	-0.248377310214707	185	-3.41134527740297	0.000800930551394061	0.0616912882294929	0.00557362834915015
PAAD	BRD9	cg21758832	-0.0828743132665873	185	-1.10637695512906	0.270064827657092	0.00686815179940845	0.466130262751948
PAAD	BRD9	cg21910709	-0.266586953529408	185	-3.679880402244	0.000309513198474042	0.0710686037920907	0.00250919859963419
PAAD	BRD9	cg24953233	-0.255114526357791	185	-3.51022852398043	0.000567908743009717	0.0650834215587603	0.00417500404022849
PAAD	BRD9	cg25523559	-0.100132152738885	185	-1.33890076665278	0.182319988141705	0.0100264480121234	0.36002135134267
PAAD	BRD9	cg25951128	-0.175341589930866	185	-2.36947687854348	0.0188900590956039	0.0307446731594839	0.0696799205264381
PAAD	BRD9	cg26504197	-0.0401333364751529	185	-0.534369838341262	0.593756242363065	0.00161068469662784	0.755613824936894
PAAD	BRDT	cg00308185	-0.0281908792916907	185	-0.375204377195115	0.707957696696786	0.000794725675238673	0.83352040948664
PAAD	BRDT	cg01515515	-0.385585860199058	185	-5.55981589048279	9.80977808472875e-08	0.148676455585447	2.13466259111437e-06
PAAD	BRDT	cg02935097	-0.166766103471368	185	-2.25018926430647	0.0256681998733331	0.0278109332670232	0.0879137556342345
PAAD	BRDT	cg03421440	-0.413144272893243	185	-6.03572501143907	9.05069112710956e-09	0.170688190224486	2.49677115440554e-07
PAAD	BRDT	cg06442199	-0.404396619551557	185	-5.88261850848195	1.97446545929106e-08	0.163536625904727	5.07941686309817e-07
PAAD	BRDT	cg09250199	0.0931812877344024	185	1.2451136949722	0.214735866942081	0.00868275238384149	0.40163397766192
PAAD	BRDT	cg13299824	-0.316891392900642	185	-4.44505581213645	1.54669461415929e-05	0.100420154894509	0.000191567522391192
PAAD	BRDT	cg14732540	-0.351458791773655	185	-4.99448660596356	1.40670231004082e-06	0.123523282314998	2.31017520598091e-05
PAAD	BRDT	cg19245011	-0.264828892391583	185	-3.65377578409551	0.000340286914682122	0.0701343422453526	0.00271677752881579
PAAD	BRPF1	cg04879506	-0.0836553727851822	185	-1.11687728623686	0.265560606841802	0.0069982213958278	0.461303631847337
PAAD	BRPF1	cg13694772	0.0929757568917274	185	1.24234336139091	0.215753361414081	0.0086444913695896	0.402921499427675
PAAD	BRPF1	cg14712964	-0.024670857874557	185	-0.328324348937828	0.743054520420402	0.000608651228266591	0.8554922462199
PAAD	BRPF1	cg17738494	0.0832274684215271	184	1.10798119680106	0.269381802126229	0.00692681149985628	0.465353213197136
PAAD	BRPF1	cg20952324	-0.0144038897214742	185	-0.191651171156722	0.848235136903249	0.000207472039108389	0.918983416757208
PAAD	BRPF1	cg25467642	-0.0591756820782004	185	-0.788663311403815	0.431363862796831	0.00350176134942025	0.625326482230483
PAAD	BRPF1	cg26227975	-0.0428500691245153	185	-0.570607186073944	0.568989622937003	0.00183612842397574	0.737337028637249
PAAD	BRPF3	cg01499736	0.181240868953125	185	2.45185881407471	0.0151826608258067	0.0328482525788839	0.0589410607456863
PAAD	BRPF3	cg05882415	-0.128211105164909	185	-1.71993258923914	0.0871925711855189	0.0164380874876075	0.215910965202644
PAAD	BRPF3	cg10562781	0.0147802343533859	185	0.19665971052473	0.844319465116171	0.00021845532754101	0.916839847942843
PAAD	BRPF3	cg14654948	0.000335511004272765	185	0.00446368384395087	0.996443534249357	1.1256763398812e-07	0.99826570215055
PAAD	BRPF3	cg18779695	0.156703133172807	185	2.11087790370399	0.0361873068533022	0.0245558719461744	0.113697471976752
PAAD	BRPF3	cg23517469	0.0245446401858873	185	0.326643605395095	0.744323385546211	0.000602439361854674	0.856389112538556
PAAD	BRWD3	cg03164831	0.0506925072668694	185	0.67528815708221	0.500373927346949	0.00256973029300161	0.684269472899893
PAAD	BRWD3	cg05835545	0.0383439298115901	185	0.510508234158831	0.610331532902744	0.00147025695339614	0.76760140775888
PAAD	BRWD3	cg09523186	0.0365926239683228	185	0.487159465563271	0.626748095885334	0.00133902012888707	0.779317840472215
PAAD	BRWD3	cg11957438	-0.0342029824079653	162	-0.424696336328045	0.67165081194652	0.00116984400559959	0.809870317351513
PAAD	BRWD3	cg15511898	0.0608035669036202	185	0.810438356483247	0.418776588871117	0.00369707374820302	0.61422145465007
PAAD	BRWD3	cg22618269	-0.00544757303392365	183	-0.0720656868035845	0.942631929184669	2.96760519599322e-05	0.969526525715164
PAAD	BRWD3	cg25063710	0.0529345304494372	185	0.705236875885332	0.481589876119765	0.00280206451390239	0.668763549791346
PAAD	BRWD3	cg25708850	-0.0787180378632708	162	-0.979905885598702	0.328669467150202	0.00619652948504333	0.528361075651984
PAAD	CARM1	cg12317676	0.335687766341009	185	4.74114838989291	4.35375186623596e-06	0.112686276471016	6.30248925720061e-05
PAAD	CARM1	cg17918830	-0.225868018391494	185	-3.08469345873725	0.0023648150704334	0.0510163617321004	0.0136121660073471
PAAD	CARM1	cg22378614	-0.0227550713055102	185	-0.302814941578137	0.762386480746369	0.000517793270118853	0.867881093638783
PAAD	CARM1	cg26504915	-0.105182870012598	185	-1.40717280315131	0.161129721686412	0.0110634361440871	0.33127000102732
PAAD	CBX1	cg01544580	-0.281566107328336	185	-3.90393966475785	0.000134402675723517	0.0792794727960319	0.00123985791002434
PAAD	CBX1	cg01553295	0.147063391352992	185	1.97805846021601	0.0494739592477518	0.0216276410762434	0.143196115669293
PAAD	CBX1	cg02835499	-0.117668100353728	185	-1.57642370582391	0.11671380123449	0.0138457818408549	0.265665021892967
PAAD	CBX1	cg04864609	-0.0462322067688333	185	-0.615737902447242	0.538858476588328	0.00213741694271616	0.714452350996731
PAAD	CBX1	cg11729481	0.0348524439163387	185	0.463963480519115	0.643244005554065	0.00121469284694153	0.790624049577421
PAAD	CBX1	cg12245530	-0.0367619487542587	185	-0.489416738603212	0.625152658296272	0.00135144087621075	0.778118721739949
PAAD	CBX1	cg13342109	0.0495443485752535	185	0.659955161501123	0.510140457041747	0.00245464247574623	0.692513422707621
PAAD	CBX1	cg17778721	0.0637345880305298	185	0.849661002999842	0.396661367279406	0.00406209771142135	0.593260937557853
PAAD	CBX1	cg21511817	0.0605015683839326	185	0.806398254276546	0.421095400759019	0.00366043977691567	0.61619351064927
PAAD	CBX4	cg04398978	0.2404333755804	185	3.29542725111582	0.00118721658305407	0.0578082080929855	0.0077462322286428
PAAD	CBX4	cg04925705	0.0340887821349512	185	0.453785485367154	0.650539128848412	0.00116204506744417	0.795594149839458
PAAD	CBX4	cg05949524	-0.0738406886705214	185	-0.985075675397826	0.325931530659557	0.00545244730333686	0.525394063326348
PAAD	CBX4	cg07159673	0.179330023672916	185	2.42514488001739	0.0163071230801707	0.0321592573905285	0.0622107953601514
PAAD	CBX4	cg10756274	-0.0662035531538836	185	-0.882717548747113	0.378586167323351	0.00438291045019909	0.577168070485865
PAAD	CBX4	cg21365914	-0.00680792623137234	185	-0.0905756665986866	0.9279321852802	4.63478595718076e-05	0.962013332200856

PAAD	CBX4	cg22353329	0.156103295798775	185	2.10259554819847	0.0369154533612251	0.0243682389592397	0.115384337610316
PAAD	CBX4	cg27487227	-0.024749313611168	185	-0.329369091341367	0.74226615409989	0.000612528524223945	0.855033808038126
PAAD	CBX5	cg03689456	-0.236532183892095	185	-3.2387602131581	0.00143373038709407	0.055947474016764	0.00905746321571892
PAAD	CBX5	cg05754589	-0.215938071804882	185	-2.94228637562751	0.00369434920964118	0.0466292508548104	0.019453894556076
PAAD	CBX5	cg06399839	-0.280734722341951	185	-3.89142464190672	0.000140948831387603	0.0788119843284121	0.00129151630023171
PAAD	CBX5	cg06621757	-0.182509573700951	185	-2.46961135584725	0.014474017831637	0.0333097444925029	0.0567752390791764
PAAD	CBX5	cg08288469	0.0503794181681741	185	0.671106769556002	0.503027355846001	0.00253808577496375	0.686530900318103
PAAD	CBX5	cg09060496	-0.162682164969271	185	-2.19356698136153	0.029569759690145	0.0264654867990891	0.0976213667176684
PAAD	CBX5	cg09158487	-0.242038983286295	185	-3.31879865016511	0.0010975505896187	0.0585828694302635	0.00725181336578877
PAAD	CBX5	cg09653879	-0.130377490868416	185	-1.74949262189755	0.081939065033534	0.0169982901251439	0.206463938110343
PAAD	CBX5	cg11005091	-0.265914113838158	185	-3.66988507280102	0.000320972145073058	0.0707103159383331	0.00258592657972385
PAAD	CBX5	cg11338003	-0.228951049879811	185	-3.12911125735758	0.0020509759036702	0.0524185832410676	0.0121370469686688
PAAD	CBX5	cg12263485	0.00208246556158533	185	0.0277054624050732	0.97792827958499	4.33666281518889e-06	0.988564426654297
PAAD	CBX5	cg12600134	0.0569912812162107	185	0.759454040585988	0.448591263609439	0.00324800613466521	0.639890510318365
PAAD	CBX5	cg13445218	-0.186710874556797	185	-2.52849036264637	0.0123296122598617	0.034860950677764	0.0502262060084664
PAAD	CBX5	cg14017196	-0.172145177238652	185	-2.32495043793323	0.0212092248505866	0.0296339620465268	0.0761535815343385
PAAD	CBX5	cg14394617	0.0087674553514454	185	0.116647890280843	0.907271333044292	7.68682733395885e-05	0.950929408254256
PAAD	CBX5	cg15708001	-0.28120940878064	185	-3.89856903502207	0.000137175670939844	0.0790787315867571	0.00126244459305504
PAAD	CBX5	cg20545544	-0.293499217292801	185	-4.08464362862976	6.67965151857819e-05	0.0861417905514866	0.000682565099482821
PAAD	CBX5	cg20927027	0.143462282604473	185	1.92859129383754	0.0553816478210363	0.0205814265300858	0.155368190068146
PAAD	CBX5	cg21826008	-0.0187171595070232	185	-0.249059241741645	0.803603727386417	0.00035033206001135	0.893015475584586
PAAD	CBX5	cg24505978	-0.0720457408148944	185	-0.961003572095761	0.337861336705482	0.00519058876956693	0.537298843527255
PAAD	CBX5	cg25817259	-0.0689900477072133	185	-0.920045034365058	0.358801418749032	0.00475962668264356	0.557786528958021
PAAD	CBX6	cg03028106	-0.150720529548843	177	-1.98200853342452	0.0490995567193075	0.0227166780274835	0.142375537327487
PAAD	CBX6	cg04134624	-0.0652687995308837	185	-0.870200412543248	0.385369503004097	0.00426001619220268	0.583405046348312
PAAD	CBX6	cg04215348	0.0641869421235866	185	0.855716303074898	0.393311617224616	0.00411996353917665	0.590111551598298
PAAD	CBX6	cg04801716	-0.0350534559662882	185	-0.466642680223225	0.641329392443596	0.0012287447751805	0.789273229043774
PAAD	CBX6	cg06060673	-0.0984250036671767	185	-1.31584864714903	0.189926558959304	0.00968748134688374	0.369970621185899
PAAD	CBX6	cg09913544	-0.0633886790478113	185	-0.845030952921928	0.399234355868079	0.00401812463142643	0.595860512257571
PAAD	CBX6	cg14498989	-0.0704205316289017	185	-0.939215942491847	0.34889980309003	0.00495905127489715	0.547983547790047
PAAD	CBX6	cg24649346	-0.216096887253589	185	-2.94455629318778	0.00366863051364922	0.0466978646806903	0.0193516030769479
PAAD	CBX6	cg25836955	-0.132474826774478	185	-1.77813476088618	0.0770985196115514	0.0175495797289279	0.19774495515021
PAAD	CBX7	cg00545295	-0.135309225717842	185	-1.81688126173312	0.0709267848585874	0.0183085865643619	0.186137648054817
PAAD	CBX7	cg01525244	0.257394565131978	185	3.54381591869727	0.000504467084102099	0.0662519621594802	0.00377641573716693
PAAD	CBX7	cg02523424	-0.033048075108943	185	-0.439916341185289	0.660534389060024	0.00109217526840634	0.802511786121744
PAAD	CBX7	cg03804568	-0.0539919852313333	185	-0.719365933480643	0.47286419328424	0.00291513446922052	0.660952944019588
PAAD	CBX7	cg10339854	-0.0108153730878178	185	-0.143897596606223	0.885745034621867	0.000116972295028693	0.939447410574032
PAAD	CBX7	cg22268271	-0.0733443030157888	185	-0.978417678754746	0.329203177915776	0.00537938678487185	0.528897769406574
PAAD	CBX7	cg26672614	-0.0696642104642402	185	-0.929079239679097	0.354113325225471	0.00485310221960595	0.55311498890855
PAAD	CBX7	cg27062573	-0.0165492885560239	185	-0.220204120768365	0.825965961475691	0.000273878951710544	0.906407053280292
PAAD	CDYL2	cg01442398	-0.161862649481789	185	-2.1822187620761	0.0304108041073953	0.0261995172972644	0.0997040667030811
PAAD	CDYL2	cg02461391	-0.057590808472071	185	-0.767469664002603	0.443824890453375	0.00331670122046676	0.635915902078637
PAAD	CDYL2	cg06919916	-0.253067392653636	185	-3.48012545270225	0.000631065400120417	0.0640431052245094	0.00456382836636308
PAAD	CDYL2	cg10112854	-0.0260683350239325	185	-0.346934541570671	0.729052628789802	0.000679558090919985	0.84676402051338
PAAD	CECR2	cg03927893	-0.267725632636911	185	-3.69680918645024	0.000290981961029853	0.0716770143708344	0.00238355803689127
PAAD	CECR2	cg12632097	-0.195369731698504	185	-2.65029735448092	0.00877077744992102	0.0381693320639456	0.038531390385089
PAAD	CECR2	cg13466481	-0.215557766798823	185	-2.9368517471049	0.00375659789455105	0.0464651508272958	0.0197419966634266
PAAD	CECR2	cg26796679	-0.245270132799194	185	-3.36591965470586	0.000935643685016694	0.0601574380433343	0.00635143672183147
PAAD	CHAF1A	cg03006338	0.00478487478315133	185	0.0636593473622643	0.94931331008147	2.28950266904374e-05	0.97313057905492
PAAD	CHAF1A	cg04346879	-0.140762327629672	185	-1.89155438550242	0.0601835638724948	0.0198140328797231	0.165036489403816
PAAD	CHAF1A	cg05297461	0.0111937619980449	185	0.148932648318668	0.881776327481706	0.000125300307668874	0.937231457694413
PAAD	CHAF1A	cg07783855	0.0212111756123462	185	0.282259840866228	0.778074052325474	0.000449913970857788	0.877257869682499
PAAD	CHAF1A	cg09700233	0.0972992328015905	185	1.30065347475732	0.195067930547447	0.0094671407037781	0.376647172722962
PAAD	CHAF1A	cg18804734	0.0134429915782628	185	0.178863532974187	0.858249427483047	0.000180714022573244	0.924664640782193
PAAD	CHAF1A	cg23811775	-0.0353411129681524	185	-0.470476830453741	0.638593609483079	0.00124899426582771	0.787464156737943
PAAD	CHAF1A	cg24085258	-0.0529362196553358	185	-0.705259444101074	0.481575868562512	0.00280224335139796	0.668756035682829
PAAD	CHAF1B	cg00660452	0.0447002535547434	185	0.595293223069365	0.552407823212957	0.00199811266785835	0.724676045918766

PAAD	CHAF1B	cg02544117	-0.128189251936073	182	-1.70499907959149	0.0899792811043112	0.0164324843119299	0.220738803387745
PAAD	CHAF1B	cg02908490	-0.223301455836981	185	-3.04779109524115	0.0026586638658594	0.0498635401789153	0.0149507081668835
PAAD	CHAF1B	cg04634639	-0.144370830467148	185	-1.94106423372227	0.0538387682628414	0.0208429366897739	0.152286738874352
PAAD	CHAF1B	cg07872789	-0.0437944383851953	185	-0.583206657053512	0.560496533491283	0.00191795283347467	0.731149869233017
PAAD	CHAF1B	cg13854874	-0.13164731847489	185	-1.76683106416822	0.0789800221612038	0.017331016461629	0.201144891115324
PAAD	CHAF1B	cg25942896	-0.0361451155763294	185	-0.481193921513069	0.630973004292818	0.00130646938002621	0.782248219568487
PAAD	CHD1	cg03255775	0.137060345508416	185	1.84084187598802	0.0673188332099889	0.0187855383108863	0.179146899419761
PAAD	CHD1	cg03833628	-0.166556043306089	185	-2.24727398094316	0.0258575281549883	0.0277409155617798	0.0883697467508306
PAAD	CHD1	cg08865521	0.0876841054852786	185	1.17107173055394	0.243144071094446	0.00768850235475347	0.435732547033433
PAAD	CHD1	cg11365324	-0.0467152508184441	185	-0.622185262037809	0.53462071558579	0.00218231465903014	0.711285469084022
PAAD	CHD1	cg12662497	-0.200633478468915	185	-2.72465697375825	0.00708280649870875	0.0402537926825368	0.0326983472055396
PAAD	CHD1	cg16890600	0.263890484300347	185	3.63985786822672	0.000357852193388757	0.0696381877042719	0.00283259600452635
PAAD	CHD1	cg21082921	-0.236036184820336	185	-3.2315675061723	0.0014682197622235	0.0557130805445399	0.00923417195309452
PAAD	CHD4	cg00079216	0.0125811046562115	185	0.167393959399586	0.867251172583996	0.000158284194370546	0.929450290957175
PAAD	CHD4	cg00824109	-0.238429987791768	185	-3.26630595362509	0.00130849367081123	0.0568488590783825	0.00839330348898311
PAAD	CHD4	cg04344119	0.259128524871282	185	3.56940138291328	0.000460677719193947	0.0671475924019664	0.00349980102411854
PAAD	CHD4	cg05147525	-0.017840578316518	185	-0.237391239159704	0.812627836044659	0.000318286234667813	0.899047027260703
PAAD	CHD4	cg11565429	0.178894800138969	185	2.41906436078567	0.0165731541451994	0.0320033495167615	0.0629752334084716
PAAD	CHD4	cg19509514	-0.274045200900025	185	-3.79106844890012	0.000205539701669353	0.0751007721363348	0.00177537358959686
PAAD	CHD4	cg20308811	-0.255869920269719	185	-3.52134930425509	0.000546116902131251	0.0654694160988321	0.00404076643374534
PAAD	CHRA1	cg00296189	-0.296561665701886	185	-4.13135049448411	5.55429327576044e-05	0.0879488215638769	0.000581548709413873
PAAD	CHRA1	cg07270064	-0.339156942087775	185	-4.79647780887046	3.4136588965364e-06	0.115027431366331	5.07185218099986e-05
PAAD	CHRA1	cg08877624	-0.11864622464192	185	-1.58971415533364	0.113683816425858	0.0140769266217809	0.260897953125057
PAAD	CHRA1	cg12002314	-0.041571904280023	185	-0.553556755763174	0.580580803024715	0.0017282232254674	0.746367832080257
PAAD	CHRA1	cg18770186	0.0766794919174863	185	1.02316670283545	0.30762538565319	0.00587974448072384	0.506120659240003
PAAD	CHRA1	cg19486048	0.222669923116871	184	3.03012498618707	0.00281309582866284	0.0495818946608734	0.0156427431661899
PAAD	CHRA1	cg22610305	-0.100798328379808	185	-1.34789955398558	0.179413272449752	0.0101603030041635	0.356280181670862
PAAD	CHRA1	cg23548819	-0.116343150048708	185	-1.55842810378926	0.120918009967397	0.0135357285632563	0.272050659901196
PAAD	CLOCK	cg05960024	0.0196096229105944	185	0.260939239794245	0.794442713423511	0.00038453731069571	0.88745067116645
PAAD	CLOCK	cg06085476	-0.295871430154621	181	-4.07398233858757	7.02798085241142e-05	0.0875399031817408	0.000712111672513152
PAAD	CLOCK	cg07236904	0.0844644959228532	185	1.12775708256142	0.260948928139246	0.00713425107150168	0.456220191581476
PAAD	CLOCK	cg07500410	-0.0879300195916249	185	-1.17438161025234	0.241819813389116	0.00773168834538355	0.434163141658065
PAAD	CLOCK	cg11774413	0.172996810949622	185	2.33680634242501	0.0205684705353008	0.0299278965987393	0.0744095794653643
PAAD	CLOCK	cg18928811	-0.0247480344297116	185	-0.329352057291415	0.742279005870372	0.000612465208134191	0.855035951472269
PAAD	CLOCK	cg22523077	0.0523642296362091	185	0.697617859317143	0.486331575067528	0.00274201254539363	0.672814030281748
PAAD	CLOCK	cg23506964	0.0647824145362295	185	0.863688221018253	0.388928050973401	0.00419676123314387	0.586579978671437
PAAD	CREBBP	cg00039463	0.0820074772847312	185	1.09472587350499	0.275124200988898	0.0067252263306057	0.471639755216794
PAAD	CREBBP	cg00747661	0.249832801700439	185	3.43266243255231	0.00074417798963863	0.062416428805491	0.00524912344962803
PAAD	CREBBP	cg03039399	-0.0323912833579514	185	-0.431164243854704	0.666873601525296	0.0010491952375751	0.806731850144699
PAAD	CREBBP	cg03264209	-0.0646507916214996	185	-0.861926032930996	0.389894445065866	0.00417972485728656	0.587420324575462
PAAD	CREBBP	cg08506924	0.113794200101595	185	1.52383165312445	0.129335464198905	0.0129491199767618	0.285125909711222
PAAD	CREBBP	cg24567591	-0.00199203280240986	185	-0.0265023253046594	0.978886535095487	3.96819468587688e-06	0.989094294612233
PAAD	CTCF	cg01866162	-0.116266244897485	185	-1.55738383062904	0.12116559955698	0.013517839702562	0.272495982113827
PAAD	CTCF	cg04487155	0.124010223252926	185	1.66268306358593	0.0981456929909204	0.0153785354712405	0.234913114286372
PAAD	CTCF	cg06241380	-0.0555459290441682	185	-0.740133188915169	0.460199780831781	0.00308535023337977	0.650041522029776
PAAD	CTCF	cg07967402	-0.0504789117081232	185	-0.672435510473475	0.502183350328919	0.0025481205272365	0.685864669162358
PAAD	CTCF	cg08324636	0.21671211950266	185	2.95335200165031	0.00357051617068171	0.046964142739335	0.0189483936649398
PAAD	CTCF	cg10218542	-0.0923233501996433	185	-1.23355068398077	0.219005941409614	0.00852360099208598	0.406920351716533
PAAD	CTCF	cg10481400	0.123651204183155	185	1.65779461811606	0.0991301849858143	0.0152896202959443	0.23678867633218
PAAD	CTCF	cg23858565	-0.00162465180140747	185	-0.0216146149252919	0.982779722297271	2.63949347581654e-06	0.991091426929181
PAAD	CXXC1	cg02159718	-0.110538650639154	185	-1.47968888800265	0.140733924042346	0.012218793285125	0.302404565433385
PAAD	CXXC1	cg07675399	-0.0745865784791592	185	-0.995081644935198	0.321054966276216	0.00556315768922778	0.520503152280822
PAAD	CXXC1	cg11871295	0.225757085284153	185	3.08309705576618	0.00237687976753506	0.0509662615559963	0.0136644239310983
PAAD	CXXC1	cg13423076	-0.317006606979507	185	-4.44685244381878	1.53511344440958e-05	0.100493188868659	0.000190284600532822
PAAD	CXXC1	cg15632775	0.191409935948546	185	2.59451569418375	0.0102663529097938	0.0366377635798263	0.043500035853186
PAAD	CXXC1	cg20016845	-0.186619484622979	185	-2.52720806557753	0.0123731132061304	0.0348268320409464	0.0503533149590765
PAAD	CXXC1	cg27419474	-0.20003792279018	185	-2.71623151840896	0.00725805553656244	0.0400151705542099	0.0333317916363087

PAAD	DAXX	cg00221327	0.0953563507917962	184	1.27083589156958	0.205464207296925	0.0090928336363281	0.389727221672567
PAAD	DAXX	cg02173004	-0.0322873187631193	185	-0.429778912215007	0.667879225390408	0.00104247095291128	0.807349801258976
PAAD	DAXX	cg02328295	-0.162887446799945	185	-2.19641034544561	0.02936221880893	0.0265323203250049	0.0971477952211212
PAAD	DAXX	cg03085224	-0.264762473934576	185	-3.65279033820879	0.000341503350689562	0.0700991676039573	0.00272385957538413
PAAD	DAXX	cg03369465	0.141488573803054	185	1.90151247062998	0.0588594513518788	0.0200190165168224	0.162349743244506
PAAD	DAXX	cg03382121	-0.0891288951174477	185	-1.19052098009606	0.235435912454514	0.00794395994485699	0.426646354992813
PAAD	DAXX	cg03902329	-0.0762679851953165	185	-1.01764358201899	0.310236347405035	0.00581680556575302	0.509059827252211
PAAD	DAXX	cg04086445	-0.0629289181286862	185	-0.838877448497823	0.402669584441389	0.0039600487368469	0.599189060622303
PAAD	DAXX	cg04152866	-0.0961087081725655	185	-1.28458976593787	0.200614344538861	0.00923688378659935	0.383646751975092
PAAD	DAXX	cg04271391	-0.0236663624987751	185	-0.314948687656004	0.753171591395663	0.000560096713923429	0.861920368332627
PAAD	DAXX	cg04488476	-0.125239591689503	185	-1.67942732351735	0.0948330966542333	0.0156849553265533	0.229278169603683
PAAD	DAXX	cg04973788	-0.0876112218117952	185	-1.17009079458938	0.243537521757031	0.00767572618735558	0.436208854476899
PAAD	DAXX	cg05431670	-0.00587010247677359	177	-0.0763126470039119	0.939260629907758	3.44581030878234e-05	0.967542921650478
PAAD	DAXX	cg05532204	-0.113871119074165	185	-1.52487521108632	0.129075017114247	0.0129666317592028	0.284705035055877
PAAD	DAXX	cg06171013	0.0211158239494342	185	0.280990416742806	0.77904594299921	0.0004458780210635	0.877813184769638
PAAD	DAXX	cg07689821	0.0383961622538989	185	0.511204679063213	0.609844828400393	0.00147426527582773	0.767184599640089
PAAD	DAXX	cg08375286	-0.122391961303991	185	-1.64065383267426	0.102645137498562	0.0149797921918377	0.242681006156186
PAAD	DAXX	cg08567382	0.105112860784137	185	1.40622572804022	0.161410258272608	0.0110487135022254	0.331680216389119
PAAD	DAXX	cg09097215	0.0427164030217689	185	0.568823980492448	0.570196641621718	0.00182469108711818	0.738252101827743
PAAD	DAXX	cg09432361	-0.106461720070488	185	-1.42447664699498	0.156069248931236	0.0113340978403669	0.324372192128148
PAAD	DAXX	cg09615909	-0.0976089932388286	185	-1.30483398310041	0.193643275062703	0.00952751556109768	0.374732009189629
PAAD	DAXX	cg11111423	-0.223699820590117	185	-3.05351443588517	0.00261098647087991	0.0500416097320506	0.0147283794877552
PAAD	DAXX	cg12025215	-0.0852030694987365	184	-1.13447183572885	0.258139444494339	0.00725956305200652	0.452721341967032
PAAD	DAXX	cg12832355	-0.172469139630782	185	-2.32945980213679	0.020963477829974	0.0297456041249821	0.0755085097835446
PAAD	DAXX	cg12923297	0.0385920511622613	185	0.513816614881933	0.608021050755059	0.0014893464129106	0.765836983670467
PAAD	DAXX	cg13443893	-0.0141256931758951	185	-0.187948876826095	0.851132023128679	0.000199535207699528	0.92059624891931
PAAD	DAXX	cg13826470	-0.0568761757303572	182	-0.751464726271428	0.453388209301286	0.00323489936571048	0.64376311951967
PAAD	DAXX	cg14539675	-0.0824968597788429	185	-1.10130332007908	0.272260041973652	0.00680573187337007	0.468609179726941
PAAD	DAXX	cg14622330	0.000478765679454611	185	0.00636956381712342	0.994925030992023	2.29216575823636e-07	0.997348081450852
PAAD	DAXX	cg14746369	0.0299833814674859	185	0.399082374168836	0.690313588752757	0.000899003164224777	0.822027818020052
PAAD	DAXX	cg14910283	-0.102862785150291	185	-1.37579819445922	0.170622533627698	0.0105807525688749	0.344468621208655
PAAD	DAXX	cg16922466	-0.0133760050554267	185	-0.177972094821438	0.858948411105036	0.000178917511242799	0.925063442333322
PAAD	DAXX	cg17079757	-0.0473349363573895	185	-0.630457065037854	0.529208719275826	0.00224059619995812	0.707448587609438
PAAD	DAXX	cg17504991	0.16980481056328	185	2.29239691354056	0.0230595876582858	0.0288336736904315	0.0810764513372814
PAAD	DAXX	cg18187593	-0.181714108070795	185	-2.45847919783896	0.0149148646027154	0.0330200170719646	0.0581160519360702
PAAD	DAXX	cg18279148	-0.0850130948406904	166	-1.07248058995475	0.285139578349383	0.00722722629439223	0.482346445988342
PAAD	DAXX	cg18486541	-0.0617443456468635	185	-0.823025425623683	0.411601000713227	0.00381236421935935	0.607319905361759
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PAAD	DAXX	cg18967278	-0.152308665232678	185	-2.05025537725225	0.0418141074998998	0.0231979295049601	0.126473043501058
PAAD	DAXX	cg20223162	-0.0306546853162565	184	-0.406871572562263	0.684596684173229	0.000939709731838714	0.818462811598952
PAAD	DAXX	cg20763184	0.0150927617882202	184	0.200250920630586	0.841515545736353	0.00022779145839596	0.915157272975282
PAAD	DAXX	cg21286626	0.0610599926453894	185	0.813868966521132	0.416813556206411	0.00372832270185501	0.612335117111485
PAAD	DAXX	cg24328964	-0.210858435573153	185	-2.86981213803693	0.00460765319602027	0.0444612798523576	0.0232185369044695
PAAD	DAXX	cg24496586	-0.0962443984824478	185	-1.28642034841393	0.199976489554304	0.0092629842392482	0.382912548695174
PAAD	DAXX	cg24513883	-0.137564960535449	185	-1.84774978930448	0.0663073957056987	0.0189241183671195	0.177127860089593
PAAD	DAXX	cg24728112	-0.20770567744168	185	-2.82495266406131	0.00527183518873129	0.0431416484415074	0.0258569539544897
PAAD	DAXX	cg25642825	0.0852341227228589	185	1.13810787991494	0.256613605167045	0.00726485567633538	0.450978150281595
PAAD	DAXX	cg26521092	0.0798375140986147	185	1.0655704585007	0.288069237256081	0.0063740286574465	0.485581206108201
PAAD	DAXX	cg27052777	-0.23975489603546	185	-3.28555987342087	0.00122708502145019	0.0574824101729744	0.00796361492939821
PAAD	DAXX	cg27393652	-0.0530637799374586	185	-0.706963699113063	0.480518724013948	0.00281576474125103	0.667797603860834
PAAD	DIDO1	cg00080059	0.00446067818759135	185	0.0593460538681018	0.952743430119199	1.98976498932532e-05	0.975037248149736
PAAD	DIDO1	cg01488865	-0.10775419764601	185	-1.44197214705004	0.151077271524305	0.0116109671103354	0.317234540621945
PAAD	DIDO1	cg06646488	0.0626873975143992	185	0.835645117904797	0.404481187670931	0.0039297098071283	0.600890072063408
PAAD	DIDO1	cg08610063	-0.078131942679835	185	-1.0426652888465	0.298525351176236	0.00610460046692502	0.496684585610799
PAAD	DIDO1	cg13815390	-0.233229193793426	185	-3.19091224824245	0.0016780973537009	0.0543958568375313	0.0103076119647697
PAAD	DIDO1	cg20969846	-0.0612457898924579	185	-0.816354769233867	0.415394578491956	0.0037510467795511	0.611027941675816
PAAD	DIDO1	cg21212389	-0.0944574884917057	185	-1.26231910986646	0.208494659827462	0.00892221713216072	0.393709094512163

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PAAD	DMAP1	cg01604592	-0.0604707337582184	185	-0.8059857646484	0.421332575473089	0.00365670964125733	0.616470995812476
PAAD	DMAP1	cg11683482	0.192592487536334	185	2.61116038426281	0.00979774751154987	0.0370918662554329	0.0419275814059653
PAAD	DMAP1	cg15990015	-0.141375061427727	185	-1.89995581445378	0.0590648149605853	0.0199869079936936	0.1627661429346
PAAD	DMAP1	cg18017761	-0.147704192549876	185	-1.98686928430177	0.0484797193525065	0.0218165284968109	0.141002175180766
PAAD	DMAP1	cg18167340	-0.145733286044096	185	-1.95977802338652	0.0515918826751253	0.0212381906612102	0.147635765637551
PAAD	DMAP1	cg21437596	-0.101025974357872	185	-1.35097504475474	0.178427860504365	0.0102062474949575	0.355012071410433
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PAAD	DNMT1	cg04160663	0.0379383498073222	185	0.505100547111812	0.61411654872081	0.00143931838610274	0.770511239824899
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PAAD	DNMT1	cg10635912	-0.124095818955297	185	-1.66384864246486	0.0979121218326339	0.0153997722821859	0.234512795746549
PAAD	DNMT1	cg11380607	-0.035158876627525	185	-0.46804780771059	0.64032621828581	0.00123614660570953	0.788675572352026
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PAAD	DNMT1	cg21893394	0.0410309390012759	185	0.546341225982203	0.585519412487496	0.00168353795532643	0.750005392320294
PAAD	DNMT1	cg23401624	0.0844063285603406	185	1.12697486603234	0.261278615244037	0.00712442830103618	0.456628593765745
PAAD	DNMT1	cg24477899	-0.0272643472576345	185	-0.362863439671803	0.717139846241271	0.000743344631384881	0.839250877549594
PAAD	DNMT1	cg27429799	0.0141716519760882	185	0.188560502542667	0.85065331145192	0.000200835719731365	0.920373540468151
PAAD	DNMT3A	cg02208653	-0.108415930893352	185	-1.45093249361624	0.148568594485843	0.0117540140714721	0.313668554819433
PAAD	DNMT3A	cg03463641	-0.0489145685280647	185	-0.651545930877712	0.515539208209549	0.00239263501428673	0.696872759906953
PAAD	DNMT3A	cg06112956	-0.119120481235355	185	-1.5961598940294	0.11223697183952	0.0141896890497425	0.258622759612677
PAAD	DNMT3A	cg07150430	0.250207661489753	185	3.43815664711494	0.000730173613204475	0.0626038738681708	0.00516457972428532
PAAD	DNMT3A	cg12066181	0.055351391398431	185	0.737533051689058	0.46177485678929	0.0030637765297423	0.651342733795132
PAAD	DNMT3A	cg13076778	-0.058338139782758	185	-0.777462581312169	0.437923793832677	0.0034033855331261	0.630801003953403
PAAD	DNMT3A	cg13344237	-0.0223227034229998	185	-0.29705827486096	0.76677034223385	0.00049830388111207	0.870728472322871
PAAD	DNMT3A	cg15990840	-0.147840033991237	185	-1.98873739152863	0.0482711050378922	0.0218566756505301	0.140565313319026
PAAD	DNMT3A	cg15998962	-0.153446863753997	185	-2.06594493544198	0.0402905384855702	0.0235459399959377	0.123094770881139
PAAD	DNMT3A	cg21629895	-0.0960585460308145	185	-1.28391305251763	0.200850519805241	0.00922724426555412	0.383943516260293
PAAD	DNMT3A	cg21708767	-0.0318153964349618	185	-0.423490706596776	0.672451427057152	0.00101221945031378	0.810421166792937
PAAD	DNMT3A	cg22731525	0.0547631766185408	185	0.729671644305707	0.466555450739628	0.00299900551335349	0.65583489456179
PAAD	DNMT3A	cg25044635	0.0110175436200995	185	0.146587781478831	0.883624222340322	0.000121386267420795	0.93832379301851
PAAD	DNMT3A	cg26470599	-0.0872658297792994	185	-1.16544244602291	0.245408094877393	0.00761532504706966	0.438313629618219
PAAD	DNMT3A	cg26995204	-0.0444378011491554	185	-0.591791091124624	0.554745605027359	0.00197471817097188	0.726358763885588
PAAD	DNMT3B	cg00300969	0.217787467392058	185	2.96873465849047	0.0034046930237867	0.0474313809530467	0.0182331803940736
PAAD	DNMT3B	cg13636640	-0.147366634142166	185	-1.98222763948433	0.0490013667687422	0.0217169248583909	0.142154397613646
PAAD	DNMT3B	cg14224313	-0.0152106280098228	185	-0.202387657730984	0.839846117377313	0.000231363204453206	0.914239784277248
PAAD	DNMT3B	cg16523653	-0.0981659230321013	185	-1.31235123814814	0.191100914964363	0.00963654844474444	0.371551149123703
PAAD	DNMT3B	cg16953106	-0.038742233354248	185	-0.515819148445302	0.606624449623921	0.001500960645275	0.764940448125578
PAAD	DNMT3B	cg17475857	0.185444338743335	185	2.51072557343872	0.0129446010923688	0.0343896027719526	0.0521740996518181
PAAD	DNMT3B	cg17721173	-0.0495052795038862	185	-0.659433463130477	0.510474519081678	0.0024507726987579	0.692797661196421
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PAAD	DNMT3B	cg24403338	0.15673692186311	185	2.11134451788099	0.036146654259251	0.0245664626751226	0.113596200253638
PAAD	DNMT3B	cg25803642	0.190511177700785	185	2.58187331053037	0.0106356193634732	0.0362945088289402	0.0447284772819784
PAAD	DNMT3L	cg09247319	0.123507938158872	185	1.65584407590192	0.0995252196182924	0.0152542107882558	0.237462503756646
PAAD	DNMT3L	cg15635600	0.110968222496764	185	1.48551076028947	0.139187467810505	0.0123139464040913	0.300042946986545
PAAD	DNMT3L	cg27187798	0.0853634890948154	185	1.13984794373032	0.255889778329035	0.00728692527044067	0.45015434831831
PAAD	DPF1	cg06168449	-0.102543076344485	185	-1.37147654964637	0.171962553521394	0.0105150825061908	0.346304379650014
PAAD	DPF1	cg06615189	-0.120631222369849	185	-1.61670016161409	0.107723887113524	0.0145518918104439	0.251305127121164
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PAAD	DPF1	cg08057062	-0.107980089717332	185	-1.4450306703871	0.150217326042808	0.0116596997753631	0.315914862052234
PAAD	DPF1	cg13322582	-0.144305280875707	185	-1.94016417305056	0.0539488796266357	0.0208240140886166	0.152514686447943
PAAD	DPF1	cg13917712	-0.0496762504343626	185	-0.66171650006428	0.509013461772045	0.00246772985721751	0.691514472610489

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PAAD	DPF1	cg22145401	-0.0900003036037734	185	-1.20225522858651	0.2308705887367	0.00810005464877138	0.421278037674638
PAAD	DPF1	cg27400772	0.158546429097336	122	1.72947249373409	0.08638461955591	0.0251369701795167	0.214579637707787
PAAD	DPF2	cg02186298	0.0222220875934143	185	0.295718671649014	0.767791573841944	0.000493821177009377	0.871313506987396
PAAD	DPF2	cg14699126	-0.104380115312208	185	-1.39631451495863	0.164368447988715	0.0108952084725899	0.335939863984291
PAAD	DPF2	cg15918224	-0.0218444538975888	185	-0.290690921253278	0.771628037514067	0.00047718016608388	0.873389081192628
PAAD	DPF2	cg15929437	-0.0243898897363403	185	-0.324582934418973	0.74588002946566	0.000594866721350838	0.857305246697864
PAAD	DPF2	cg18224556	-0.0963029472332078	185	-1.28721024527536	0.199701716700038	0.00927425764580201	0.382555906155203
PAAD	DPF2	cg19517014	-0.0889759720616172	185	-1.18846202750075	0.236243567928942	0.00791672360430967	0.4275223812102
PAAD	DPF3	cg00888802	0.00802296792777603	185	0.106742081413212	0.915114483516003	6.43680143701229e-05	0.95513864330715
PAAD	DPF3	cg05151458	0.0243134394051084	185	0.32356492352211	0.74664942802316	0.000591143335705879	0.857729088954013
PAAD	DPF3	cg07171024	-0.183507780503985	185	-2.48358787947609	0.013936960866971	0.0336751055054987	0.0551817962991217
PAAD	DPF3	cg10266394	-0.010165225753572	185	-0.135246520451923	0.892570647977698	0.000103331814621083	0.943086652841716
PAAD	DPF3	cg12913429	-0.113944110461823	185	-1.52586550928221	0.128828242525332	0.0129832603089361	0.284305815409938
PAAD	DPF3	cg13819165	-0.0487085610369727	185	-0.648795355156669	0.517311555180475	0.00237252391829249	0.698240249694474
PAAD	DPF3	cg14238615	-0.0134386755065934	185	-0.178806095811491	0.858294461039725	0.000180597999371513	0.924676863156508
PAAD	DPF3	cg14242696	0.00680187212827481	185	0.090495116400665	0.927996100365211	4.62654644494017e-05	0.962028654578991
PAAD	DPF3	cg15392845	-0.0435201811227395	185	-0.579547444972612	0.562956754856413	0.00189400616495605	0.732989519101891
PAAD	DPF3	cg15740492	0.269198435507661	185	3.71873016394734	0.00026854029895141	0.0724677976797723	0.0022526885562697
PAAD	DPF3	cg16696021	-0.052134200625843	185	-0.694544947466768	0.488251183253896	0.00271797487489564	0.674318501456711
PAAD	DPF3	cg19710444	0.00667869866329626	185	0.0888562883483251	0.929296581119806	4.46050158351153e-05	0.962619648628303
PAAD	DPF3	cg19839347	0.079395431815683	185	1.05963256717227	0.29075564032093	0.00630363459319877	0.488338547569963
PAAD	DPF3	cg20548765	-0.0178825919394446	185	-0.237950461655298	0.812194746339783	0.000319787094472688	0.898789811498595
PAAD	DPF3	cg21035356	-0.0668412808292275	185	-0.891258595483869	0.374000391039272	0.00446775682289165	0.572634502165151
PAAD	DPF3	cg22784589	0.0141448334060968	185	0.188203597364914	0.850932649866013	0.000200076312086232	0.920508587530614
PAAD	DPF3	cg23515460	0.0950340613832335	185	1.27009437333809	0.205718119708324	0.0090314728229922	0.390018653390913
PAAD	DPF3	cg24383902	-0.0178335208581391	185	-0.237297300955271	0.812700592134811	0.000318034466197682	0.899072959295315
PAAD	DPF3	cg25495195	-0.033176829241295	185	-0.441632124600824	0.659294490340366	0.00110070199850605	0.801706222454685
PAAD	DPF3	cg26057784	0.323762072329898	184	4.53970440766099	1.04128143046688e-05	0.10482187947935	0.000135801253313899
PAAD	EED	cg00080012	-0.085282997502297	185	-1.13876527141225	0.25633997697696	0.0072731896629768	0.45060924571112
PAAD	EED	cg01739327	0.0455545176789571	185	0.606693275341034	0.544831871233839	0.00207521408096241	0.718932246472145
PAAD	EED	cg02172616	-0.0221426010149003	185	-0.294660390496204	0.7685986303613	0.000490294779705062	0.871748558082592
PAAD	EED	cg04607174	-0.195619854768934	185	-2.65382533002924	0.00868314474571955	0.0382671275798188	0.0382414267633892
PAAD	EED	cg06358433	-0.141582038693183	185	-1.90279426232492	0.0586907986897259	0.020045473680518	0.162039677512458
PAAD	EED	cg10086030	-0.15243638396482	185	-2.05201550565744	0.0416407725581656	0.02323685115627	0.126056590411314
PAAD	EED	cg10535675	-0.119366132819184	181	-1.58132232523564	0.115630885968716	0.014248273664207	0.263897619910088
PAAD	EED	cg12672785	-0.0805653156070469	185	-1.07534740854052	0.283682861295834	0.00649077007886307	0.480928009755232
PAAD	EED	cg16265078	-0.199837859178916	185	-2.71340187939653	0.00731778633892402	0.0399351699612123	0.033532418592817
PAAD	EED	cg18574463	-0.0707391231408235	185	-0.943486397143553	0.34671821330535	0.00500402354273259	0.546015034431393
PAAD	EED	cg19325359	-0.181379450573759	185	-2.45379732056889	0.0151038090493735	0.0328985050904387	0.0586905954638842
PAAD	ELP3	cg01209934	0.112452443010395	185	1.50563251325358	0.13394401703455	0.0126455519390062	0.29210699879978
PAAD	ELP3	cg02516513	-0.0713542185508644	185	-0.95173206247355	0.342530700984667	0.00509142450500452	0.541734434260412
PAAD	ELP3	cg04720865	0.028589799372238	185	0.380518086856486	0.704017142081554	0.000817376628144823	0.830968601421542
PAAD	ELP3	cg05621091	-0.23829005397058	185	-3.26427352948156	0.00131737430413353	0.056782149821302	0.00843765985639419
PAAD	ELP3	cg15692687	0.067441247874605	185	0.899294917952075	0.369717395534436	0.00454832191488391	0.568421806226623
PAAD	ELP3	cg17572663	0.152265129597559	185	2.04965542423925	0.0418733306003349	0.0231846696913613	0.126578351689235
PAAD	ELP3	cg18022570	-0.125623841955442	185	-1.68466250218995	0.0938161346237734	0.0157813496676459	0.2275254033775971
PAAD	ELP3	cg18249244	-0.111104994598333	185	-1.48736457270232	0.138697821622144	0.0123443198246957	0.299318153146799
PAAD	ELP3	cg19781013	0.187452570052123	185	2.53889965128755	0.0119815112614313	0.0351384660191462	0.0490778741362497
PAAD	ELP3	cg22414525	-0.0805891037385492	185	-1.07566699646505	0.283540253884148	0.00649460364138264	0.480801502074316
PAAD	ELP3	cg22487209	-0.0819765429320285	185	-1.09431013342639	0.275305930045659	0.00672015359108671	0.471784948497048
PAAD	ELP3	cg25374552	0.234253698934514	185	3.20574089834403	0.00159851542525146	0.054874795464502	0.00991112688228355
PAAD	ELP4	cg04972224	-0.24408910845441	185	-3.34868262551204	0.000992090256914043	0.0595794928660689	0.0066728920496603
PAAD	ELP4	cg05195750	0.245043205988759	185	3.3626064275362	0.000946255085576219	0.0600461728012493	0.0064094878648077
PAAD	ELP4	cg05635455	-0.202102537639548	185	-2.74545355373872	0.00666652265117916	0.040845435720345	0.0311694723763387
PAAD	ELP4	cg08111895	-0.157680843458802	185	-2.12438294035142	0.0350264854525356	0.0248632483938792	0.110906418595028
PAAD	ELP4	cg08626560	-0.154388931296957	185	-2.07893728220284	0.039065065936769	0.0238359421070164	0.120376322954871

PAAD	ELP4	cg09616795	-0.0062004381551047	185	-0.0824930501433314	0.934347858754466	3.84454333152781e-05	0.965092417788407
PAAD	ELP4	cg10583382	-0.0847320301569343	185	-1.13135494906416	0.259436243411618	0.00717951693451562	0.454311831789477
PAAD	ELP4	cg11385473	-0.0305657920256138	185	-0.406841508026215	0.684615935372484	0.000934267642153073	0.818462811598952
PAAD	ELP4	cg13263383	-0.0928608859325023	185	-1.240795094847	0.216323535450769	0.00862314413616921	0.403565750342381
PAAD	ELP4	cg19328333	0.0986351045923055	185	1.31868506237052	0.188978094746667	0.00972888385793505	0.368713932150937
PAAD	ELP4	cg24001477	-0.05849502858636	185	-0.779560581054765	0.436690672177582	0.00342166836931908	0.629746355447781
PAAD	ELP4	cg24531794	-0.0884793767557687	185	-1.18177646287116	0.238879702179104	0.00782860011108926	0.430679912658955
PAAD	ELP4	cg25130734	-0.152075699848713	184	-2.04125428145579	0.0427186433380751	0.023127018484476	0.12848459848607
PAAD	EP300	cg00500400	-0.119801352388968	185	-1.60541572118475	0.110185015575465	0.0143523640342256	0.255339085542977
PAAD	EP300	cg02046995	0.229463472965513	185	3.13650341537745	0.00200264904714996	0.0526534854253945	0.0119117730693466
PAAD	EP300	cg07519229	-0.0618090682148738	180	-0.812171208254396	0.417816021346817	0.00382036091359092	0.613205666616124
PAAD	EP300	cg08131204	-0.0423037529554115	185	-0.563319113228675	0.573930529481753	0.00178960751411249	0.741211408445034
PAAD	EP300	cg09331127	-0.158506052560512	185	-2.13578647389771	0.0340714035585294	0.0251241686983158	0.108553498318067
PAAD	EP300	cg24349919	0.369978209898826	185	5.29819776369869	3.44459763919541e-07	0.13688387579994	6.58724259448298e-06
PAAD	EPC1	cg02900516	-0.240700239930748	185	-3.29930976128766	0.00117186307244883	0.0579366055027195	0.00765890244964165
PAAD	EPC1	cg16942190	-0.0455424222304459	185	-0.606531853782442	0.544938780310615	0.00207411222261621	0.718975755566779
PAAD	EPC1	cg26211455	0.0062001422241033	185	0.0824891128103826	0.934350985142192	3.84417635991086e-05	0.965092417788407
PAAD	EPC2	cg00066942	0.119935304048684	185	1.60723694288231	0.109784803674152	0.0143844771572503	0.25461643314632
PAAD	EPC2	cg03664802	-0.144403573635453	185	-1.94151383955556	0.0537838354136877	0.0208523920786896	0.152180828259708
PAAD	EPC2	cg04098458	-0.401886352606625	185	-5.83904243874026	2.45968033949144e-08	0.161512640411457	6.19050056067283e-07
PAAD	EPC2	cg05586854	0.119822275658266	185	1.60570019042172	0.110122427212492	0.0143573777439256	0.255209249957357
PAAD	EPC2	cg10458926	-0.0983067138818361	185	-1.31425178356256	0.190462085162624	0.00966420999424518	0.370698209986019
PAAD	EPC2	cg11721798	-0.160915819074883	185	-2.16911332400821	0.0314077948392633	0.0258939008285404	0.102150507618448
PAAD	EPC2	cg12432635	0.0310473941443975	185	0.413257939738487	0.679917865678238	0.000963940683157569	0.815329309433833
PAAD	EPC2	cg16434205	0.0972448624959996	185	1.29991973576665	0.195318775643038	0.00945656328186587	0.377009871036263
PAAD	EPC2	cg21347644	-0.428554982650239	185	-6.31040854107609	2.16651587724942e-09	0.183659373154347	6.72518026390432e-08
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PAAD	EZH1	cg00728999	-0.185925183668372	185	-2.51746850861834	0.0127080201388398	0.0345681739221179	0.0514524679234364
PAAD	EZH1	cg01716316	-0.0277753938460108	185	-0.369670203663448	0.712070143063696	0.000771472503301013	0.836135072821499
PAAD	EZH1	cg03623386	-0.0814237593994859	185	-1.08688157330619	0.278567046630273	0.00662982859474537	0.475488082007097
PAAD	EZH1	cg05375741	-0.0923526864001801	185	-1.23394602211425	0.218858939946686	0.00852901868533001	0.406724931898725
PAAD	EZH1	cg05979501	-0.089577014593288	185	-1.19655493994778	0.233080356217142	0.00802404154344614	0.423838929233921
PAAD	EZH1	cg06975499	-0.111584886290732	185	-1.49386971403436	0.136990203885888	0.0124511868485156	0.296774535033214
PAAD	EZH1	cg12812489	0.0446149821939018	185	0.594155359228028	0.553166847651143	0.00199049663616218	0.725231503887507
PAAD	EZH1	cg19395400	-0.147031591951365	185	-1.97762129438929	0.0495237362961224	0.0216182890317528	0.14328509154346
PAAD	EZH1	cg22227424	-0.163154959609984	185	-2.20011611226253	0.0290936277864925	0.0266195408453355	0.0965405831498164
PAAD	EZH1	cg27088844	-0.0189930328036602	185	-0.252731455388597	0.800769005254049	0.000360735295080913	0.891212282366135
PAAD	EZH2	cg01893439	-0.0139376063499035	185	-0.185445805149793	0.853091720256017	0.000194256870764871	0.921780314257491
PAAD	EZH2	cg02303805	-0.253430867144909	185	-3.48546667750734	0.000619398845413402	0.0642272044218205	0.00449575609069697
PAAD	EZH2	cg06816161	-0.0245796214788959	185	-0.327109422705763	0.743971649864902	0.000604157792045799	0.856161694224706
PAAD	EZH2	cg13751213	-0.0295148746328116	185	-0.39284101228871	0.694909616650472	0.000871127824590583	0.825061254376915
PAAD	EZH2	cg18494018	-0.133531781199917	185	-1.79257818067041	0.0747481762623828	0.0178307365904225	0.193419359504917
PAAD	EZH2	cg20101066	0.0585444984892276	185	0.780222130672277	0.436302258073253	0.00342745830335517	0.629376441202271
PAAD	FBXL19	cg00026853	-0.0102487827817875	185	-0.136358348156728	0.891692966337452	0.000105037548508265	0.942633002082562
PAAD	FBXL19	cg02291855	-0.0659747325278967	185	-0.879653233879732	0.380239902961766	0.00435266533212751	0.57865730963062
PAAD	FBXL19	cg03181514	-0.147004843867646	185	-1.97725357697303	0.0495656385340152	0.0216104241205511	0.143358340488351
PAAD	FBXL19	cg03627896	-0.134037392070359	185	-1.79948961788788	0.0736445517060046	0.0179660224730231	0.191306595863546
PAAD	FBXL19	cg04477789	-0.153163552852788	185	-2.06203883675582	0.0406653408186091	0.0234590739224887	0.123806491583018
PAAD	FBXL19	cg05643349	-0.0154615365494492	185	-0.205726956777257	0.837240624552816	0.000239059112469954	0.912894685781627
PAAD	FBXL19	cg05768582	0.141740423326125	185	1.9049664918067	0.0584059101439808	0.020090347604669	0.161459414155177
PAAD	FBXL19	cg06862768	-0.0828524381745995	185	-1.10608290256669	0.270191720491807	0.00686452651147584	0.466245834344962
PAAD	FBXL19	cg07697662	0.0701422320878949	185	0.935485804661684	0.350812547239825	0.00491993272227212	0.549780646655418
PAAD	FBXL19	cg08535091	-0.026883757034988	185	-0.357794443621391	0.720923449356848	0.000722736392316269	0.841902278313238
PAAD	FBXL19	cg08593668	-0.0471687366571031	185	-0.628238495760686	0.530657500893799	0.00222488971782714	0.708496569662625
PAAD	FBXL19	cg09011601	-0.258535094896709	185	-3.56064087231461	0.000475252044550187	0.0668403952932504	0.00359088554329228
PAAD	FBXL19	cg11940219	-0.0485343934637503	180	-0.637273622280564	0.524793978549498	0.00235558734889413	0.703869224635007
PAAD	FBXL19	cg26666512	-0.130257180498469	185	-1.74785033928905	0.0822239841486447	0.0169669330714106	0.207067173749906

PAAD	FBXL19	cg27602786	-0.163704521725367	185	-2.20773058025006	0.0285484229196507	0.0267991704333313	0.0951336908379227
PAAD	FBXW9	cg02753619	0.0708481883975873	185	0.944948392948197	0.34597335985164	0.00501946579922003	0.54525042656899
PAAD	FBXW9	cg03160342	0.166802916844683	185	2.25070020472942	0.0256351425225447	0.0278232130678942	0.0878257928127382
PAAD	FBXW9	cg05868316	0.000516061150685309	185	0.00686574797414953	0.994529700803144	2.66319111246645e-07	0.997146022572473
PAAD	FBXW9	cg06489804	0.11806082966439	185	1.58175942858026	0.115489753758944	0.0139383595010442	0.263672080829988
PAAD	FBXW9	cg12110584	-0.0484278302789685	185	-0.645047221086147	0.519731794948904	0.00234525474552858	0.700193943432239
PAAD	FBXW9	cg14342428	0.0885220091559452	185	1.18235037953936	0.238652587511403	0.00783614610500524	0.430410093725792
PAAD	FBXW9	cg15828427	-0.0762781869955055	185	-1.01778050121172	0.310171443339809	0.0058183618113213	0.508974798835156
PAAD	FBXW9	cg19721801	-0.142605565373346	185	-1.91683446881093	0.0568698009832622	0.0203363472754517	0.158349593675217
PAAD	FBXW9	cg21564527	-0.0723335653195878	185	-0.964862957666876	0.335929866256524	0.00523214467184308	0.535505609861881
PAAD	FBXW9	cg22303873	-0.158232099332661	185	-2.13200021679806	0.0343859947055154	0.0250373972592211	0.109340857229547
PAAD	FKBP1A	cg04613791	0.132211628339649	185	1.7745390822664	0.0776929845580294	0.0174799146682215	0.19876506316454
PAAD	FKBP1A	cg07516946	0.0680576945915164	185	0.907552999995476	0.36534837703268	0.00463184979311213	0.564296298030065
PAAD	FKBP1A	cg10996143	-0.0204106191448822	185	-0.271602206058114	0.786244426225688	0.000416593373877433	0.882193167666207
PAAD	FKBP1A	cg21332426	-0.063484826965804	185	-0.846317878263722	0.398518177619231	0.00403032325487807	0.595122722572858
PAAD	FKBP1A	cg21775445	0.0403572781866023	185	0.53735644214932	0.59169632876964	0.0016287099026308	0.754238968917861
PAAD	FKBP1A	cg24641773	-0.204930681245868	185	-2.78554441851205	0.00592605369647356	0.0419965841158957	0.0284013936214554
PAAD	FKBP1A	cg26779912	-0.0849284024065258	185	-1.13399596840672	0.25832975990687	0.00721283353532477	0.452943873774603
PAAD	FKBP2	cg03764062	0.139948667928381	185	1.88040140984343	0.0616960349497949	0.0195856296549283	0.168017270282306
PAAD	FKBP2	cg04446112	-0.0651796160338602	185	-0.869006291354381	0.386020516763118	0.00424838234632144	0.584106548773451
PAAD	FKBP2	cg06615912	0.0478303394582179	185	0.637070422133502	0.524902103082188	0.00228774137268836	0.703977833069145
PAAD	FKBP2	cg09854726	-0.123310566953239	185	-1.65315707314921	0.100071479344823	0.0152054959223293	0.238371066601891
PAAD	FKBP2	cg10998122	-0.0327134707542555	185	-0.435457490675432	0.663760936201375	0.00107017116878953	0.80463456027129
PAAD	FKBP2	cg12423493	0.455799417746279	185	6.81287040006537	1.44183226658128e-10	0.207753109217847	5.58317069917493e-09
PAAD	FKBP2	cg15010817	-0.0838395149921143	185	-1.11935314035033	0.264506209926242	0.00702906427411295	0.460109031237468
PAAD	FKBP2	cg16977872	-0.177499208007171	185	-2.3995763809676	0.0174518621177569	0.031505968843173	0.0655774603481996
PAAD	FKBP2	cg19924313	-0.0866187105586466	185	-1.15673453701104	0.248939606600985	0.00750280101884259	0.442408912960136
PAAD	FKBP2	cg21809711	0.0470803154213541	185	0.627058198245617	0.531429091463956	0.00221655610017419	0.709134614564911
PAAD	FKBP2	cg22074794	-0.0358973792330464	185	-0.477891578558015	0.633317037164495	0.00128862183580115	0.784014665412306
PAAD	FKBP2	cg24677501	-0.157592794639746	185	-2.12316646697519	0.0351297167255809	0.0248354889223651	0.111165033475018
PAAD	FKBP5	cg00130530	-0.00698792408698455	185	-0.0929705532503347	0.926032103272897	4.88310830454589e-05	0.961054615617427
PAAD	FKBP5	cg00140191	-0.0459647977486179	185	-0.612168886213215	0.541211622774628	0.00211276263207135	0.716276673573541
PAAD	FKBP5	cg00610228	-0.130531796437536	185	-1.75159906708072	0.0815748012488959	0.0170385498812104	0.205832768588648
PAAD	FKBP5	cg01294490	-0.143409120755663	185	-1.92786161939727	0.0554730462303788	0.0205661759159123	0.155545713558982
PAAD	FKBP5	cg07485685	-0.0569929057585997	185	-0.759475759448291	0.448578309331811	0.00324819130680863	0.639885220124772
PAAD	FKBP5	cg07843056	-0.0569529909350735	185	-0.758942131199759	0.448896655441414	0.00324364317645056	0.640178895347188
PAAD	FKBP5	cg08636224	0.0618128157905157	185	0.823941601636793	0.411081598751893	0.00382082419595222	0.606917215009959
PAAD	FKBP5	cg08915438	0.275524252860184	185	3.81320523432238	0.000189247603532403	0.0759136139141624	0.00165642755054003
PAAD	FKBP5	cg10913456	-0.0356187501262883	185	-0.474177538256648	0.635957738091855	0.00126869536055896	0.785670895301218
PAAD	FKBP5	cg16012111	-0.0945238952477926	185	-1.26321456001356	0.208173506584971	0.00893476677281567	0.3933222366365
PAAD	FKBP5	cg17030679	-0.116185009225341	185	-1.55628078539628	0.121427557756583	0.0134989563686926	0.272912935258879
PAAD	FKBP5	cg20813374	-0.0424001134713049	185	-0.564604563503336	0.573057578762727	0.00179776962237953	0.74053889173202
PAAD	FKBP5	cg25114611	0.0111593543334312	185	0.148474798327888	0.882137089909383	0.00012453118913907	0.93743559555236
PAAD	FMR1	cg02921434	-0.0335567509558629	185	-0.446695107255237	0.655641272332826	0.00112605553471381	0.799212728808973
PAAD	FMR1	cg03513471	-0.024586476435969	184	-0.326275099732205	0.744603868304248	0.000604494823536457	0.856483814331392
PAAD	FMR1	cg04552106	-0.0420474198467833	184	-0.55831582562286	0.577338307491233	0.00176798551577166	0.743889165769375
PAAD	FMR1	cg04744025	-0.00801313806251978	185	-0.106611290949388	0.91521809734798	6.42103816090032e-05	0.95519703594259
PAAD	FMR1	cg05288927	-0.0769424275734608	185	-1.02669602220672	0.305964662818163	0.00592013716089726	0.504487499410511
PAAD	FMR1	cg07147350	-0.0589040650586389	185	-0.785030705217382	0.433485051235959	0.00346968888043237	0.627011064385591
PAAD	FMR1	cg08434396	-0.0432793525630508	185	-0.576334355656256	0.565121355101246	0.00187310235827685	0.734700718940415
PAAD	FMR1	cg14470409	-0.0373268375425494	185	-0.496947591852249	0.619842692831976	0.00139329280092788	0.774521042331559
PAAD	FMR1	cg16783314	-0.0327324362873002	185	-0.435710216498025	0.663577887929434	0.00107141238530217	0.804475341887553
PAAD	FMR1	cg22625568	-0.142972183682291	173	-1.8611882619458	0.0644859391749091	0.0204410453068828	0.173509490858883
PAAD	FXR2	cg01807919	-0.0113591755548013	185	-0.151133752386884	0.880042316411717	0.000129030869284795	0.936347885044766
PAAD	FXR2	cg01933235	-0.0517773182245892	185	-0.689777645597151	0.491237392236089	0.00268089068253038	0.676888402376439
PAAD	FXR2	cg05529097	-0.317365753280484	185	-4.45245432433217	1.49953626906047e-05	0.100721021355289	0.000186528500983835
PAAD	FXR2	cg05913233	-0.285212120527617	185	-3.95893721794193	0.000108909128053139	0.0813459536958597	0.00103702285284772

PAAD	FXR2	cg09625173	-0.336136120460021	185	-4.74828681757122	4.21970521503912e-06	0.112987491477914	6.12554109906239e-05
PAAD	FXR2	cg17777561	-0.293531439698995	185	-4.08513434790447	6.66676977714686e-05	0.0861607060917646	0.00068143158576801
PAAD	FXR2	cg19178740	-0.112374658883868	185	-1.50457773246265	0.134214996258895	0.0126280639592656	0.292492966326706
PAAD	FXR2	cg22521096	-0.264320141855165	185	-3.64622891384045	0.000349707980465709	0.0698651373903347	0.00277717258394746
PAAD	FXR2	cg26904212	0.0810504228959875	185	1.08186507681905	0.280784211027792	0.00656917105161841	0.478003521296717
PAAD	G2E3	cg02259031	0.109195665191239	185	1.46149316540351	0.145653195040144	0.0119236932965571	0.309571808874437
PAAD	G2E3	cg05076167	-0.273809047719279	185	-3.78753667216879	0.000208258827843066	0.0749713946129382	0.00179555438914147
PAAD	G2E3	cg07906495	-0.0313486778055508	185	-0.417272117371225	0.676985056496895	0.000982739600156232	0.813427685305729
PAAD	G2E3	cg08810065	0.0093851554997432	185	0.124866872237766	0.900770646942763	8.80811437543601e-05	0.94769619036901
PAAD	G2E3	cg09837748	-0.411186603090677	185	-6.00128878623958	1.07979867877808e-08	0.16907442256125	2.93918328960328e-07
PAAD	G2E3	cg18580322	-0.246311189319682	185	-3.36197039386411	0.000950423135958462	0.060669201984076	0.00643211982938257
PAAD	G2E3	cg18755078	0.0531370619286727	185	0.707942790725555	0.479911973500807	0.00282354735041159	0.667195740774555
PAAD	G2E3	cg18956956	-0.418354357808052	185	-6.12786681151735	5.62662058334427e-09	0.175020368696988	1.61578930107303e-07
PAAD	G2E3	cg19554565	-0.0126054498206245	185	-0.167717927810626	0.86699666603972	0.000158897365180283	0.92931836033308
PAAD	G2E3	cg21061067	-0.294273769802709	185	-4.09644361495643	6.37637962150656e-05	0.0865970515938978	0.000656403435590157
PAAD	G2E3	cg22926526	-0.209957845893044	185	-2.85698848057233	0.00478925814424308	0.0440822970520472	0.0239567610643805
PAAD	GADD45	cg01810953	0.234974756183927	185	3.21618422652023	0.00154458680481051	0.0552131360436962	0.00962740052026513
PAAD	GADD45	cg02639608	0.239258552861657	185	3.27834460807987	0.00125702327457089	0.0572446551174543	0.00812267369565311
PAAD	GADD45	cg04718306	0.015954865316439	185	0.212292699314167	0.832122966829719	0.000254557727265709	0.909954653943648
PAAD	GADD45	cg07000785	-0.127820587424572	185	-1.71460670503214	0.0881676436595514	0.0163381025695628	0.217739191892227
PAAD	GADD45	cg22224769	0.0767091968275332	185	1.02356541362048	0.307437471195366	0.00588430087792523	0.505918488686641
PAAD	GADD45	cg23369529	-0.0346937459620905	185	-0.461848306311257	0.644757244233413	0.00120365600888207	0.791637596786051
PAAD	GADD45	cg23723105	-0.17127180780088	185	-2.31279752200981	0.0218841656236451	0.0293340321473815	0.0779548871526099
PAAD	GATAD2A	cg02887458	-0.27214372996291	185	-3.76265207136368	0.000228405748164457	0.0740622097581252	0.00194044961665409
PAAD	GATAD2A	cg08505228	-0.173051238220286	185	-2.33756422773626	0.020528095549672	0.029946731049574	0.0742886684666364
PAAD	GATAD2A	cg08870822	0.0236932475509325	185	0.315306671068783	0.752900253843921	0.000561369979509767	0.861720857624167
PAAD	GATAD2A	cg09334331	-0.137670979800156	185	-1.84920132329091	0.0660964791967277	0.018953298679135	0.17670549113722
PAAD	GATAD2A	cg11795262	-0.0694577641339279	185	-0.926312593604903	0.355544849256503	0.00482438099848436	0.554349253493544
PAAD	GATAD2A	cg14948912	-0.0532639444725928	185	-0.709638045190611	0.478862408544687	0.00283704778077944	0.666284312752864
PAAD	GATAD2A	cg15264323	0.0888986333607567	185	1.18742077323086	0.236652767299749	0.00790296701341024	0.428015121102961
PAAD	GATAD2A	cg22191731	-0.0613641716888899	185	-0.817938657298478	0.414491946258918	0.00376556156706355	0.61004354483216
PAAD	GATAD2A	cg26631329	0.0118931050092183	185	0.158238662496628	0.874449127560711	0.000141445946760293	0.933523436882924
PAAD	GATAD2E	cg02134200	0.0998541649939355	185	1.33514621056921	0.18354311405472	0.0099708542666361	0.361784605234066
PAAD	GATAD2E	cg02940454	0.0637458091567439	185	0.849811204806829	0.396578067232454	0.00406352818504801	0.5931730271648
PAAD	GATAD2E	cg09805553	0.00930190143734372	185	0.123759103915055	0.901646439057145	8.65253703500573e-05	0.948060627034455
PAAD	GATAD2E	cg10226922	-0.0888091420523882	185	-1.18621592861191	0.237126885909565	0.00788706371208127	0.42855265332672
PAAD	GATAD2E	cg10489353	0.00494585802646185	185	0.0658011661725275	0.947610389784255	2.44615116179171e-05	0.972127896704245
PAAD	GATAD2E	cg15064304	-0.0152235456282822	185	-0.202559575177197	0.839711935064385	0.000231756341496389	0.914178844724627
PAAD	GATAD2E	cg20773694	-0.0078415257325817	185	-0.104327922152213	0.917027243035725	6.1489525814741e-05	0.956212869537587
PAAD	GATAD2E	cg23046518	0.0572149219227074	185	0.762443999083997	0.446809910282016	0.0032735472906215	0.638525793180501
PAAD	GATAD2E	cg23323627	-0.0127346246675371	185	-0.16943690128003	0.865646489850238	0.000162170665423045	0.928664456063013
PAAD	GATAD2E	cg26398333	0.104348155710684	185	1.39588227756719	0.164498388494285	0.0108885376002212	0.336114415146976
PAAD	GLYR1	cg00636946	-0.159893337662928	179	-2.11812790613465	0.0356092841313372	0.025565879428991	0.112285219476845
PAAD	GLYR1	cg00885266	0.0893785240010371	185	1.19388216019297	0.234121676542935	0.00798852055260397	0.425070946608974
PAAD	GLYR1	cg01261535	0.0128077213245679	185	0.170409627023442	0.864882632525534	0.000164037725527792	0.928270575527799
PAAD	GLYR1	cg01565912	0.0749175251313973	185	0.999521768038604	0.318906480617244	0.00561263557181354	0.518284041172308
PAAD	GLYR1	cg02454264	0.149360035561125	185	2.0096485037455	0.0459873804750783	0.0223084202228206	0.135744271444572
PAAD	GLYR1	cg06399529	-0.0890100287887139	185	-1.18892055917319	0.236063531087831	0.00792278522496767	0.427345690025057
PAAD	GLYR1	cg06976003	-0.108351809989469	185	-1.45006416502954	0.148810292382996	0.011740114727994	0.314048570224183
PAAD	GLYR1	cg11289281	0.0952206812163468	185	1.27261127532735	0.20482516669099	0.00906697813130513	0.388963287083021
PAAD	GLYR1	cg15663121	0.0195787531217423	185	0.260528307332689	0.794759126500452	0.000383327573802134	0.887606080844577
PAAD	GLYR1	cg18354686	0.0672589220439697	185	0.896852631952747	0.371015759834696	0.00452376259451679	0.569735491918285
PAAD	GTF2B	cg02705666	-0.170870721483487	185	-2.30721829913039	0.0222002833181277	0.0291968034602873	0.0787467939669167
PAAD	GTF2B	cg04270788	0.0591675312327265	185	0.788554299437208	0.431427429719588	0.00350079675217566	0.625348713761984
PAAD	GTF2B	cg05306856	-0.14182937042614	185	-1.90618645788789	0.0582464198460866	0.0201155703154751	0.161120065950325
PAAD	GTF2B	cg06356032	0.0195537678411273	185	0.260195708814934	0.795015248316866	0.000382349836784706	0.887764580336702
PAAD	GTF2B	cg07167781	-0.110068179595903	185	-1.47331368312933	0.142442608681107	0.0121150041595559	0.304888713708571

PAAD	GTF2B	cg10430205	-0.146699945315375	185	-1.9730623184619	0.0500453647023108	0.021520873955534	0.144375476587242
PAAD	GTF2B	cg12074130	-0.122080378770923	185	-1.6364138231885	0.103529859658592	0.014903618880852	0.244101116750278
PAAD	GTF2B	cg13868361	-0.0995461991530525	185	-1.33098713321723	0.184905166234133	0.00990944576581919	0.363447180302647
PAAD	GTF2B	cg14010405	-0.0487442929812571	185	-0.649272435821194	0.517003918032667	0.00237600609824263	0.698049302342143
PAAD	GTF2B	cg17811845	-0.193593642268026	185	-2.62526110302951	0.00941590163419337	0.0374784983266004	0.0406538268248662
PAAD	GTF2B	cg22607980	0.0841417420796374	185	1.12341693596822	0.262781869026439	0.00707983276019622	0.458173899304363
PAAD	GTF2H1	cg05849260	-0.0899778786103131	185	-1.20195322240425	0.230987286151257	0.00809601863921225	0.421411902601977
PAAD	GTF2H1	cg07583091	-0.248953279847995	185	-3.41977798436693	0.000778012378392487	0.0619777355470743	0.0054384666155688
PAAD	GTF2H1	cg08690812	-0.149580231855726	185	-2.0126790139631	0.045664152446605	0.0223742457620126	0.135036190954164
PAAD	GTF2H1	cg10797557	0.0506049238014452	185	0.674118436735752	0.501115454519401	0.00256085831295008	0.684924064968325
PAAD	GTF2H1	cg11063328	-0.097926079618907	185	-1.30911375849308	0.192192787578627	0.00958951706952851	0.372761050034698
PAAD	GTF2H1	cg11176342	-0.196059968885277	185	-2.66003442934814	0.00853082937434519	0.0384395113992957	0.0377415457431648
PAAD	GTF2H1	cg11347316	0.0647896596330688	185	0.863785220817016	0.388874898456406	0.00419769999536891	0.58656585265182
PAAD	GTF2H1	cg11662851	0.127676628636097	185	1.71264359853174	0.0885292816521779	0.0163013214998798	0.218359129259655
PAAD	GTF2H1	cg13777411	0.143691922077569	185	1.93174341277609	0.0549882690803934	0.0206473684703463	0.154621463342736
PAAD	GTF2H1	cg14132868	0.0832224758714217	185	1.11105729450952	0.268050663669591	0.00692598049016936	0.463744458691281
PAAD	GTF2H1	cg17174493	0.118515440461089	185	1.58793682949303	0.11408535905505	0.0140459096276859	0.261472363147883
PAAD	GTF2H1	cg18321761	0.115467667480866	185	1.54654184977861	0.123759847828735	0.0133327822334718	0.276564793806406
PAAD	H2AFZ	cg02758870	-0.0304074201624635	185	-0.404731566529464	0.686163524430851	0.000924611200936592	0.819333720096295
PAAD	H2AFZ	cg09308803	0.0495447100633464	185	0.659959988549637	0.510137366649294	0.00245467829526106	0.692513422707621
PAAD	H2AFZ	cg16267491	-0.0134626605797466	185	-0.179125283072776	0.858044208441861	0.000181243229885463	0.92459305335166
PAAD	H2AFZ	cg17709884	0.116061345375302	185	1.5546016968911	0.121827175689417	0.0134702358903251	0.273550288794739
PAAD	H2AFZ	cg20934652	0.0658539077406765	185	0.878035231497954	0.381114902396318	0.00433673716471753	0.579524095328756
PAAD	H2AFZ	cg23752380	-0.0331859505847469	185	-0.44175367687187	0.659206687204683	0.00110130731621326	0.801686217113268
PAAD	H2AFZ	cg24061702	0.0848706886920575	185	1.1332197602317	0.258654617796428	0.00720303379906413	0.453325913822861
PAAD	H3F3A	cg06319713	-0.239953177514027	185	-3.28844302485681	0.00121530875392166	0.0575775273990782	0.00790103035288166
PAAD	H3F3A	cg10632229	0.109674915335941	185	1.46798545244076	0.143882968283453	0.0120285870539459	0.307008739533255
PAAD	H3F3A	cg10983539	0.0585873057779598	185	0.780794587340089	0.435966315020418	0.00343247239832016	0.629078004184893
PAAD	H3F3A	cg11978873	0.0796037815618341	185	1.06243096793833	0.289487485941353	0.0063367620389442	0.486990517284873
PAAD	H3F3A	cg15538837	-0.0358978159439549	185	-0.477897399867476	0.633312901869128	0.00128865318954606	0.784014665412306
PAAD	H3F3A	cg15624314	0.118775419948229	184	1.58696792543155	0.114314865255465	0.0141076003838781	0.261874926460839
PAAD	H3F3A	cg16724613	-0.201214925905693	185	-2.73288587319966	0.00691535327835289	0.0404874464072333	0.0321024581057516
PAAD	H3F3A	cg16727519	0.158437620888176	185	2.13484064498862	0.0341497568651025	0.0251024797127055	0.108740787751782
PAAD	H3F3A	cg18947521	0.11358426787167	185	1.52098364852999	0.130048352712093	0.0129013859079432	0.286224334756995
PAAD	H3F3A	cg19410789	0.119314665749534	185	1.59879942332106	0.111648731638719	0.0142359894629231	0.25756483687511
PAAD	H3F3A	cg21266749	-0.0800218702771342	185	-1.06804685160401	0.286953878613257	0.00640349972265049	0.484341289495329
PAAD	H3F3A	cg21789564	-0.019152431741618	185	-0.254853278011294	0.799132291939849	0.000366815641617337	0.890293526809098
PAAD	H3F3A	cg22519151	-0.197424643438514	185	-2.67929781173947	0.00807349002656182	0.0389764898368244	0.0361874327682848
PAAD	H3F3A	cg27530209	-0.0146589034464517	185	-0.195044983037471	0.845581438895503	0.000214883450252394	0.917513947380385
PAAD	H3F3A	cg27560444	-0.233023946206033	173	-3.07798051959994	0.00244111058393819	0.054300159505432	0.0139583797697087
PAAD	HAT1	cg00414306	-0.217954177884021	185	-2.97112043631776	0.0033796173937508	0.0475040236570993	0.018124497141145
PAAD	HAT1	cg01583365	-0.058677438155048	185	-0.781999930794944	0.435259457785087	0.00344304174843948	0.62864256092184
PAAD	HAT1	cg04507121	0.158312832578265	185	2.13311596358855	0.0342930308606339	0.0250629529589537	0.109104867267522
PAAD	HAT1	cg04950839	-0.121878141139783	185	-1.63366204008409	0.104107311520014	0.014854281287689	0.245169346503237
PAAD	HAT1	cg05421799	-0.0100684182842662	185	-0.133958383082825	0.893587675122946	0.000101373046746945	0.94359733950285
PAAD	HAT1	cg09545452	-0.220079367133292	185	-3.00155783154753	0.00307424956891698	0.0484349278377903	0.0167889203906162
PAAD	HAT1	cg10190161	-0.0743259032880019	185	-0.991584546930504	0.32275383888345	0.00552433989957741	0.522132593206186
PAAD	HAT1	cg12941622	-0.12026176783681	185	-1.61167595417952	0.108814187679895	0.0144628928032347	0.252954222968075
PAAD	HAT1	cg13293756	-0.103535172824357	185	-1.38488856287993	0.167829639394068	0.0107195320117694	0.340793478818672
PAAD	HAT1	cg14446129	-0.0215595705628246	185	-0.286898115783873	0.774525904050911	0.000464815082853413	0.875034462497555
PAAD	HAT1	cg16017358	0.20325500671244	185	2.76178187533743	0.00635536479322972	0.0413125977536741	0.0300127407731145
PAAD	HDAC1	cg03762702	-0.0558392262173982	185	-0.744053479035607	0.457830741402198	0.00311801918455777	0.647937650250916
PAAD	HDAC1	cg04967775	-0.0549244278564818	185	-0.731826668146171	0.46524221185543	0.00301669277536187	0.654485580996046
PAAD	HDAC1	cg06473843	0.0318907454440179	185	0.424494687561442	0.671720599394577	0.00101701964497515	0.809916805785829
PAAD	HDAC1	cg10842753	-0.128402346427127	185	-1.7225410357097	0.0867182239041623	0.0164871625679919	0.215140399604567
PAAD	HDAC1	cg14172124	-0.0665275386803354	185	-0.887056530122675	0.37625217664793	0.00442591340286352	0.574736133956744
PAAD	HDAC1	cg20002354	-0.320016494576947	185	-4.49386610898328	1.26005919324818e-05	0.102410556801317	0.000160493497418772

PAAD	HDAC1	cg20793809	-0.00231657429654439	185	-0.0308200991721032	0.975447735850268	5.36651647141012e-06	0.987083017843253
PAAD	HDAC1	cg21930229	0.136649529988243	185	1.83521910724976	0.0681515266302355	0.0186730940460077	0.18081852128756
PAAD	HDAC1	cg23018091	-0.101009670238916	185	-1.35075476944423	0.178498303178009	0.0102029534817745	0.355102214451253
PAAD	HDAC1	cg26115470	-0.00275517190341792	185	-0.0366553172377541	0.970801143572456	7.59097221738355e-06	0.984557454462557
PAAD	HDAC10	cg00711351	-0.185809595601333	185	-2.51584743507065	0.0127645415880467	0.034525205817531	0.0516261539455883
PAAD	HDAC10	cg01120165	-0.0764504209565466	185	-1.02009211582489	0.309077029231821	0.00584466686443318	0.507703676430252
PAAD	HDAC10	cg04321608	-0.275854946525597	185	-3.81815868580938	0.000185773473800373	0.0760959515226397	0.00163100428266612
PAAD	HDAC10	cg04586023	-0.0953012884442925	185	-1.27369844972151	0.204440336421362	0.00908233557914225	0.3885760858312
PAAD	HDAC10	cg07482373	-0.162240787174822	185	-2.18745443616431	0.03002023421979	0.0263220730231059	0.0987481649426784
PAAD	HDAC10	cg07744063	-0.0847917984755771	185	-1.13215876183664	0.259099127533702	0.00718964908872288	0.453859573694734
PAAD	HDAC10	cg09151829	-0.00121204285472181	185	-0.016125193240464	0.987152676638009	1.46904788168219e-06	0.993204285131626
PAAD	HDAC10	cg10508940	-0.0453105021710572	185	-0.60343678268333	0.546990667480884	0.00205304160699338	0.720503919223481
PAAD	HDAC10	cg11645658	-0.206166288829284	185	-2.80308278678171	0.00562628639667028	0.0425045386496396	0.0272602967079327
PAAD	HDAC10	cg12464820	-0.214215424663354	185	-2.91768061391242	0.00398394122843689	0.0458882481637012	0.0206863749532912
PAAD	HDAC10	cg26943378	-0.208945583977804	185	-2.8425837812017	0.00500102675646216	0.0436582570638257	0.0247723575607906
PAAD	HDAC11	cg01409735	-0.112991365621382	185	-1.51294126918076	0.132078064374707	0.0127670487049848	0.289286585392363
PAAD	HDAC11	cg01712016	-0.0520579410976934	185	-0.693526236071818	0.488888467349362	0.00271002923133092	0.674911084415394
PAAD	HDAC11	cg02762546	-0.267563777000361	185	-3.6944018576895	0.000293551690029513	0.0715903747626989	0.00240130881882951
PAAD	HDAC11	cg02941903	-0.0711376402634196	185	-0.948828596914807	0.344001474289649	0.0050605638622477	0.543276369615481
PAAD	HDAC11	cg05987698	0.0863812387292248	185	1.15353938659531	0.250244350616275	0.00746171840439533	0.443886016185386
PAAD	HDAC11	cg07450135	-0.0657285128093649	185	-0.876356069909975	0.382024293186941	0.00432023739613085	0.580498434725074
PAAD	HDAC11	cg08051076	-0.0601953917255726	185	-0.80230248429165	0.423453902221642	0.00362348518499513	0.618527814443201
PAAD	HDAC11	cg08448040	-0.123534148323082	185	-1.65620091490554	0.099452856096626	0.0152606858019093	0.237326241938065
PAAD	HDAC11	cg10455785	-0.150376888317354	185	-2.02364577348039	0.04451054630953	0.0226132085400101	0.132501183928503
PAAD	HDAC11	cg11432034	0.0839373217101371	185	1.12066823162326	0.263947334454182	0.00704547397587106	0.459451231801926
PAAD	HDAC11	cg13397067	-0.0621560918743891	185	-0.828535040004632	0.408483391372736	0.00386337975709749	0.604480447430293
PAAD	HDAC11	cg13706066	0.0436739565626299	185	0.581599140864639	0.561576678040339	0.00190741448183448	0.731964414701686
PAAD	HDAC11	cg16254764	-0.047164753871743	185	-0.628185330932663	0.530692243759221	0.00222451400778209	0.708502050740909
PAAD	HDAC11	cg18521047	0.0718800848602837	185	0.958782431511307	0.338976185369708	0.00516674659952159	0.538322765475838
PAAD	HDAC11	cg19779799	-0.0519888018579412	185	-0.692602651423445	0.489466632609847	0.00270283551862427	0.675447375673576
PAAD	HDAC11	cg20894727	0.033866615327486	185	0.450824622293916	0.652667736969584	0.00114694763373991	0.797136885623861
PAAD	HDAC11	cg20922324	-0.0991545120593176	185	-1.32569795867498	0.186648189471311	0.00983161726172136	0.3656629291025
PAAD	HDAC11	cg21655280	-0.0709656890821288	185	-0.946523501926253	0.345172029246661	0.00503612902690138	0.544401361454153
PAAD	HDAC11	cg25127083	0.0262593594696782	185	0.349478568350048	0.727145500454434	0.000689553959757779	0.845604476535999
PAAD	HDAC11	cg25150878	0.0666336068991911	185	0.888477111617395	0.375489978823695	0.00444003756839593	0.574056547363869
PAAD	HDAC11	cg27025856	-0.176618679703315	185	-2.38728842653126	0.0180268724206014	0.0311941580201423	0.0672130698162478
PAAD	HDAC2	cg00161229	-0.107867442365768	185	-1.44350542455241	0.150645697972497	0.0116353851225323	0.316559018613015
PAAD	HDAC2	cg01129566	0.0885543799452073	185	1.18278615894471	0.238480240245558	0.00784187820748013	0.430167621776318
PAAD	HDAC2	cg08198132	-0.144139120247031	185	-1.93788274024009	0.0542288344145108	0.020776085985588	0.153122498074206
PAAD	HDAC2	cg10999867	-0.0128828843258602	185	-0.17140985326596	0.864097312501698	0.000165968708553493	0.927862173918816
PAAD	HDAC2	cg13393754	-0.0888770328710843	185	-1.18712995760185	0.236767144280656	0.0078991269719678	0.428101411322937
PAAD	HDAC2	cg15005908	-0.0462270181743601	185	-0.615668650801604	0.538904086763426	0.00213693720929262	0.714459244809336
PAAD	HDAC2	cg15242771	-0.174115431706303	185	-2.35238728554825	0.0197523173435513	0.0303161835582723	0.072138011146154
PAAD	HDAC2	cg18387216	-0.202777643230402	185	-2.75501708373821	0.00648264185351723	0.0411187725940763	0.0304811508221529
PAAD	HDAC2	cg18674783	0.147073902839244	185	1.97820296942619	0.0494575142947003	0.0216307328963673	0.14317144574823
PAAD	HDAC2	cg22867643	-0.172759104420588	185	-2.33349660059634	0.0207456106310915	0.0298457081602037	0.0749005228700363
PAAD	HDAC2	cg24023618	0.15678417789696	185	2.11199712577707	0.0360898632868253	0.0245812784388255	0.113464873283838
PAAD	HDAC3	cg01947930	-0.178803501801922	185	-2.41778901565331	0.016629437457403	0.0319706922566301	0.0631459197325724
PAAD	HDAC3	cg01961137	-0.0728277429456681	185	-0.971489859847273	0.332630116817493	0.00530388014256031	0.53233301462877
PAAD	HDAC3	cg04284814	-0.147205738211471	185	-1.98001546641774	0.049251647032195	0.0216695293623842	0.142731434556049
PAAD	HDAC3	cg08520975	0.0278488189962903	185	0.370648196269393	0.711342777652016	0.000775556719488139	0.835646764589727
PAAD	HDAC3	cg10414058	0.146460355231636	185	1.96976921983577	0.0504250371195215	0.0214506356545769	0.145180673198973
PAAD	HDAC3	cg11064797	-0.00415509097654497	185	-0.0552803672284117	0.955977451955188	1.72647810233654e-05	0.9766416701345
PAAD	HDAC3	cg11153694	0.249271443273478	185	3.42443783722294	0.000765612784731643	0.062136252431643	0.00536625650738025
PAAD	HDAC3	cg12082871	0.16313304611992	185	2.19981253317129	0.0291155504828826	0.0266123907363639	0.0965784772284827
PAAD	HDAC3	cg14098966	-0.107146233526414	185	-1.43374158275933	0.153410194080564	0.0114803153588969	0.320610161140753
PAAD	HDAC3	cg17940889	0.163159658362833	185	2.20018120699002	0.0290889288939777	0.0266210741170765	0.0965337485870702

PAAD	HDAC3	cg18671773	-0.158489576419342	185	-2.1355587458951	0.0340902545702665	0.0251189458335825	0.10860466292802
PAAD	HDAC3	cg19549288	-0.0218953970878176	185	-0.291369162857911	0.771110168954556	0.000479408413633212	0.873145924976358
PAAD	HDAC3	cg20642138	-0.0595774095383661	185	-0.794036337197428	0.428237543303112	0.00354946772730219	0.622482711271572
PAAD	HDAC3	cg23421926	-0.170609995250037	185	-2.30359215811652	0.0224078807160528	0.0291077704792176	0.0792867585019836
PAAD	HDAC3	cg24385322	0.262230356757037	185	3.61526301155114	0.000391000907912191	0.0687647600049228	0.00304754279432131
PAAD	HDAC6	cg07153944	-0.0166351111348291	185	-0.221346387586263	0.825077882206246	0.000276726922468115	0.906029113780554
PAAD	HDAC6	cg07674520	-0.0358226701174173	160	-0.44193518931182	0.659164223271543	0.0012832636943413	0.801686217113268
PAAD	HDAC6	cg10783042	0.0469779605163039	185	0.625691924544588	0.53232297519656	0.0022069287742714	0.709773387239721
PAAD	HDAC6	cg12510923	0.0069224635460294	170	0.0881106852292817	0.929897528373795	4.79204988958206e-05	0.962831889080843
PAAD	HDAC6	cg13178935	0.0230405608315877	185	0.306616121829314	0.759495975074192	0.000530867443434094	0.866134482891429
PAAD	HDAC6	cg17152375	-0.0489878588514602	185	-0.652524510444629	0.514909423090372	0.00239981031485058	0.696398881430674
PAAD	HDAC6	cg24616736	-0.00059542577391116	185	-0.0079216261016103	0.993688444192493	3.54531852237714e-07	0.996737825925922
PAAD	HDAC6	cg26680189	0.0454406534388799	185	0.605173694225769	0.545838701690505	0.00206485298495239	0.7195967797385
PAAD	HDAC9	cg00332048	-0.482252877437084	185	-7.3238840962004	8.17398912029424e-12	0.232567837796347	3.9555503849824e-10
PAAD	HDAC9	cg02301805	-0.152511664768532	185	-2.05305302125798	0.041538887176086	0.0232598078904689	0.125802008369075
PAAD	HDAC9	cg03260621	0.0897120585030844	185	1.19837345903796	0.232373753884175	0.00804825344086084	0.422998965969335
PAAD	HDAC9	cg07513622	-0.159457210748857	185	-2.1489361903997	0.0329980216413642	0.0254266020598055	0.105967141050263
PAAD	HDAC9	cg08146609	-0.111277223724995	185	-1.48969909223572	0.13808311136729	0.0123826205199426	0.298406510520223
PAAD	HDAC9	cg08285151	-0.286973399338506	184	-3.97429705328895	0.000102862978916423	0.0823537319278977	0.000987794418198275
PAAD	HDAC9	cg08725366	-0.130164815062514	184	-1.74164871169111	0.0833170884831315	0.0169428790802586	0.208906329092863
PAAD	HDAC9	cg10068437	-0.135938835504407	185	-1.82549421794967	0.0696118696815511	0.0184793669982943	0.183615969552321
PAAD	HDAC9	cg11321459	-0.128368060879295	185	-1.7220733815935	0.0868031121108337	0.0164783590539104	0.215289208172869
PAAD	HDAC9	cg11765288	-0.0367875617291971	185	-0.48975818949592	0.624911475152652	0.00135332469797949	0.777929387730036
PAAD	HDAC9	cg12081743	-0.100950749966212	185	-1.34995874164466	0.178753041886034	0.0101910539187407	0.35539547486409
PAAD	HDAC9	cg16475478	-0.0345283348752675	175	-0.446470644552101	0.655835709549906	0.00119220590925861	0.799331506811925
PAAD	HDAC9	cg18856632	-0.175248922478256	185	-2.3681849287273	0.0189540649619662	0.0307121848297898	0.0698084751637656
PAAD	HDAC9	cg19585556	-0.212901764768676	185	-2.89893589144315	0.0042183430168516	0.0453271614416167	0.0216628380054682
PAAD	HDAC9	cg20648975	-0.159127773181329	185	-2.14438103876251	0.0333664967856488	0.0253216481976486	0.106842596966691
PAAD	HDAC9	cg21433125	-0.106738869602322	185	-1.42822763700373	0.154988489609139	0.0113931862839816	0.322723767404931
PAAD	HDAC9	cg23074799	-0.176929203717883	185	-2.39162117626029	0.0178222405758139	0.0313039431282441	0.0666440772618183
PAAD	HDAC9	cg23385718	-0.0670394529879522	185	-0.893912925719559	0.372582341778387	0.00449428825692385	0.571211197384088
PAAD	HDAC9	cg24350771	0.100285837902641	185	1.34097660399822	0.181646362415632	0.0100572492838348	0.359073972601558
PAAD	HDAC9	cg25620356	-0.195722078724057	185	-2.65526734965183	0.00864755366071753	0.0383071321000661	0.0381386580578185
PAAD	HDGF	cg00692559	0.217984508146943	185	2.97155451914502	0.00337507325752614	0.0475172457920645	0.0181026233450075
PAAD	HDGF	cg00746981	0.154217109676211	185	2.07656720480329	0.0392862072674332	0.0237829169168846	0.120902433177237
PAAD	HDGF	cg01910231	-0.00493527096922329	185	-0.0656603093797271	0.947722375071826	2.43568995396582e-05	0.972179287949475
PAAD	HDGF	cg02914429	0.192397478141637	185	2.60841477023411	0.00987369722561091	0.0370167895952617	0.0421994507180076
PAAD	HDGF	cg04402095	-0.00377693529324787	185	-0.0502492142879585	0.959980453329008	1.42652402093814e-05	0.979061311921597
PAAD	HDGF	cg05762852	0.352133376356417	185	5.00542840769843	1.33848631028551e-06	0.12399791474417	2.2135672623799e-05
PAAD	HDGF	cg05967123	0.0869264952621634	185	1.16087603305198	0.247255569740111	0.00755621557856292	0.440502903686213
PAAD	HDGF	cg06106793	0.281408382874926	185	3.90156467078754	0.000135622313533274	0.0791906779522808	0.00125007135770232
PAAD	HDGF	cg06119628	-0.133120306671628	185	-1.78695459032219	0.0756561770427599	0.0177210160483482	0.195074629175846
PAAD	HDGF	cg07313589	-0.0581736978896903	185	-0.775263639718522	0.439218410527526	0.00338417912616095	0.631988107305817
PAAD	HDGF	cg07892339	0.168478286736262	185	2.27396329498073	0.0241688614977188	0.028384933101586	0.0840159261519073
PAAD	HDGF	cg08597205	0.0643137686573027	185	0.857414122683047	0.392375506040136	0.00413626083890505	0.589366313656285
PAAD	HDGF	cg08708935	-0.103882235188007	185	-1.38958143468429	0.166401435510621	0.0107915187876563	0.33881313042409
PAAD	HDGF	cg09063372	0.182767598494575	185	2.47322336475323	0.014333488740386	0.033403995059474	0.0563616772679736
PAAD	HDGF	cg09477492	0.00655028076262735	185	0.0871476871674663	0.93065263259596	4.29061780692459e-05	0.963370115235391
PAAD	HDGF	cg11588596	0.180944034908454	185	2.44770715009072	0.0153527672114322	0.032740743768952	0.0594530923613001
PAAD	HDGF	cg12220178	-0.184661105786807	185	-2.49974621790724	0.0133382357344716	0.0340997239904063	0.0533543146198831
PAAD	HDGF	cg12421458	-0.00847872726253723	185	-0.112806184372867	0.910312052188738	7.18888159924921e-05	0.95244099590642
PAAD	HDGF	cg13170934	-0.0522282641157836	185	-0.695801509516524	0.487465727606265	0.00272779157254805	0.673757244789041
PAAD	HDGF	cg13235992	0.112213613321974	185	1.50239398561462	0.1347773720042	0.0125918950147734	0.293373370203271
PAAD	HDGF	cg14155849	-0.0119809608947137	185	-0.159407758904945	0.873529379450254	0.000143543423960659	0.93306802890228
PAAD	HDGF	cg15503799	0.109115343427108	185	1.46040516673865	0.145951493680833	0.0119061581712157	0.309968618602422
PAAD	HDGF	cg17170583	-0.117821251257379	185	-1.57850436454718	0.116235268652885	0.0138818472478545	0.264861378880388
PAAD	HDGF	cg17218029	-0.0818792971403545	185	-1.09300322611511	0.275877745754954	0.00670421930019846	0.472338256338687

PAAD	HDGF	cg17971171	0.126913595762417	185	1.70224026868205	0.0904659280389702	0.0161070607893462	0.221601766064523
PAAD	HDGF	cg18593717	-0.0735563657046904	185	-0.981261975541288	0.327802912928873	0.00541053893568216	0.527318027468751
PAAD	HDGF	cg19599803	-0.1544522939013	185	-2.06802761513476	0.0401085910965588	0.0238555110913735	0.122722034838375
PAAD	HDGF	cg20284773	0.110632949370587	185	1.48096682140352	0.140393331997901	0.0122396494864348	0.301933948606625
PAAD	HDGF	cg23747104	0.165844134841718	185	2.23739622139317	0.0265081055019065	0.0275042770613979	0.0900315022665493
PAAD	HDGF	cg26431298	0.0940018886422791	185	1.25617611215267	0.210707614814172	0.00883635506831544	0.396465870887848
PAAD	HDGFL1	cg02685945	-0.369638835119317	185	-5.29256829217501	3.53740621206983e-07	0.136632868428366	6.75310377574873e-06
PAAD	HDGFL1	cg03930485	-0.014071930578198	185	-0.187233398664725	0.851692089005737	0.000198019230197624	0.920894734698842
PAAD	HDGFL1	cg05276066	-0.00897763565752896	185	-0.119444487623172	0.905058678809624	8.05979419993354e-05	0.949667578244084
PAAD	HDGFL1	cg06566039	-0.0213799294266757	185	-0.284506492463831	0.776354839966569	0.000457101382289634	0.876227725279778
PAAD	HDGFL1	cg08671671	-0.0179891670643151	185	-0.239369035942772	0.811096392049136	0.000323610131667839	0.898121622680917
PAAD	HDGFL1	cg09081892	-0.0802658025582382	185	-1.0713236795728	0.285482531615855	0.00644259906031807	0.482674694960528
PAAD	HDGFL1	cg11894257	-0.0428982991753917	185	-0.571250618483821	0.568554397894121	0.00184026407214141	0.736959875198281
PAAD	HDGFL1	cg15317945	-0.122564388472898	185	-1.64300043006901	0.10215810890419	0.0150220293217355	0.241867670707058
PAAD	HDGFL1	cg20209681	-0.0461516670128243	185	-0.61466295209558	0.539566674938471	0.00212997636806262	0.714894829433082
PAAD	HDGFL1	cg21898884	-0.0250489946732353	185	-0.333359799192522	0.739257267835066	0.000627452134139768	0.853121595792395
PAAD	HIST1H1	cg00667898	-0.127601582899816	185	-1.71162027448372	0.0887182730886324	0.0162821639585386	0.218665821900867
PAAD	HIST1H1	cg00700007	-0.0339603287905183	185	-0.452073552847361	0.651769513246981	0.00115330393156011	0.796451327955264
PAAD	HIST1H1	cg03821311	-0.18184314172229	185	-2.46028462177009	0.0148425668528619	0.033066928191433	0.057885028540966
PAAD	HIST1H1	cg04676561	-0.166766672978835	185	-2.25019716854468	0.0256676881937281	0.0278111232164297	0.0879137556342345
PAAD	HIST1H1	cg07138603	-0.0489012073082676	185	-0.65136753170146	0.515654064127677	0.00239132807620616	0.696921338859426
PAAD	HIST1H1	cg11206041	-0.056724618864491	185	-0.755889055219028	0.450720510401969	0.00321768238532177	0.641492734704454
PAAD	HIST1H1	cg14334286	-0.0476010072538991	185	-0.634008905906869	0.52689350991989	0.00226585589158576	0.705550874753059
PAAD	HIST1H1	cg18798248	-0.0814103003019439	185	-1.08670071636449	0.278646771480472	0.00662763699525268	0.475571991412032
PAAD	HIST1H1	cg23460835	-0.0483809970694036	185	-0.644421949540476	0.520136116996838	0.00234072087742964	0.700537702476721
PAAD	HIST1H1	cg00903962	-0.105380803027044	185	-1.40985052796832	0.160338552676974	0.0111051136466247	0.330193174686375
PAAD	HIST1H1	cg04290376	0.0607158768577035	185	0.809265225953114	0.419449123861952	0.00368641770259981	0.614802169415294
PAAD	HIST1H1	cg07750111	-0.0866699176972643	185	-1.1574235479535	0.248658877908907	0.00751167463365057	0.442051388209449
PAAD	HIST1H1	cg08283682	0.000134024015486928	185	0.00178307357050415	0.998579321900007	1.79624367272403e-08	0.999208692107392
PAAD	HIST1H1	cg10717387	0.175468245889964	185	2.37124279395379	0.018802880376483	0.030789105315701	0.0694267063462015
PAAD	HIST1H1	cg12633985	0.0624690613629414	185	0.832723197621095	0.406123041247424	0.00390238362756693	0.602454823820642
PAAD	HIST1H1	cg15022984	0.081900787597366	185	1.09329203832691	0.27575131046713	0.00670773900906885	0.472175356343313
PAAD	HIST1H1	cg16481032	-0.135228693694661	185	-1.81577975913707	0.0710964198798599	0.0182867995983643	0.186463316301457
PAAD	HIST1H1	cg16482183	0.0897373591348959	185	1.19871416808899	0.232241538951237	0.00805279362450528	0.422837443390108
PAAD	HIST1H1	cg17691542	0.0732065790304549	185	0.976570523416277	0.330114634486581	0.00535920321334224	0.529842535955952
PAAD	HIST1H1	cg20855557	0.0735996002484953	185	0.981841876488134	0.327517903135824	0.0054169011567383	0.52702301699345
PAAD	HIST1H1	cg23407813	0.0933178746912188	185	1.24695482828689	0.214061583585508	0.00870822573688601	0.400661810587566
PAAD	HIST1H3	cg00958605	0.060271783224624	185	0.803324363233799	0.422864736340257	0.00363268785307607	0.617915501893167
PAAD	HIST1H3	cg01043409	-0.0262370437580057	185	-0.34918137002878	0.727368207362614	0.000688382465159507	0.845774962611052
PAAD	HIST1H3	cg08041469	0.0344392035814894	185	0.458455761654903	0.647187439649808	0.00118605874332728	0.793208130703089
PAAD	HIST1H3	cg08401836	0.0979563812861648	185	1.3095227669307	0.192054590633352	0.00959545263468049	0.372567323917285
PAAD	HIST1H3	cg10075390	-0.15026142513758	185	-2.02205605992035	0.0446762177350593	0.0225784958843766	0.132882495984753
PAAD	HIST1H3	cg15479139	0.0481052875584733	185	0.640741030052459	0.522519636968791	0.00231411869108341	0.702288560817595
PAAD	HIST1H3	cg15797414	0.052646340504769	185	0.701386674435824	0.483982874774078	0.00277163716854408	0.670760445665225
PAAD	HIST1H3	cg21209604	0.0205716101127751	185	0.273745401290794	0.784599466041581	0.000423191142632032	0.881045676376207
PAAD	HIST1H3	cg23099349	0.0695360453175748	185	0.927361647948004	0.355001612491148	0.00483526159840782	0.553933577976687
PAAD	HIST1H3	cg25701114	0.112790518308094	185	1.51021726211276	0.132771125185487	0.0127217010202084	0.290338634228525
PAAD	HLTF	cg00906762	-0.00981864690047449	185	-0.1306348980274	0.896212487745264	9.64058269561972e-05	0.945009342635985
PAAD	HLTF	cg02059813	-0.0859737108061257	185	-1.14805661647703	0.252494455620565	0.00739147894977534	0.446411528841304
PAAD	HLTF	cg02398045	0.0163930160941202	185	0.218124204518673	0.827583612006019	0.000268730976662084	0.907357607029397
PAAD	HLTF	cg02611507	0.00684731100809371	185	0.0910996836144817	0.927516398984256	4.68856680415613e-05	0.961761712819648
PAAD	HLTF	cg02710346	-0.0488936758239132	185	-0.65126697138129	0.515718812188604	0.00239059153557391	0.696972521852584
PAAD	HLTF	cg03678609	0.0904299542772207	185	1.2080418593023	0.228642748213016	0.00817757663058023	0.418597240762576
PAAD	HLTF	cg04120413	-0.0770619804559566	185	-1.02830082178528	0.305211509760033	0.00593854883179423	0.503790031620455
PAAD	HLTF	cg04731810	-0.0534282905583718	185	-0.711833894436966	0.477504796936312	0.00285458223198981	0.665210456777258
PAAD	HLTF	cg04836786	-0.00078189352996679	185	-0.0104024200201348	0.991711934719476	6.11357492203937e-07	0.995628203716277
PAAD	HLTF	cg05555455	0.116816390902733	185	1.56485473283981	0.119403080723118	0.0136460691835402	0.269815745937235

PAAD	HLTF	cg07275648	0.014082232541284	185	0.187370498119544	0.851584763699119	0.000198309273346797	0.920863367754122
PAAD	HLTF	cg09352720	0.00855204196787642	185	0.113781679188895	0.909539818468974	7.31374218203196e-05	0.951965512370678
PAAD	HLTF	cg09392355	-0.0728187579337699	185	-0.971369364791942	0.332689926159931	0.00530257150701698	0.532362726451704
PAAD	HLTF	cg15438497	-0.028020364545093	185	-0.372933135392656	0.709644426414098	0.000785140829239903	0.834622095524353
PAAD	HLTF	cg16724124	0.030965054134008	185	0.41216089550444	0.68072023296074	0.000958834577522047	0.815835452983821
PAAD	HLTF	cg20117402	-0.0727508563181392	185	-0.970458766123205	0.3331421404964	0.00529268709502253	0.532789089443023
PAAD	HLTF	cg21089667	-0.132914549390076	185	-1.78414287457806	0.0761135574759817	0.017666277439567	0.195948709057069
PAAD	HLTF	cg21111416	-0.082302027520197	185	-1.09868462062486	0.273397883226419	0.00677362373393526	0.469777540675269
PAAD	HLTF	cg21835021	-0.141811713308622	185	-1.90594427553699	0.0582780521033304	0.0201105620315268	0.16118614801886
PAAD	HLTF	cg21926402	-0.00598734466461441	185	-0.0796578676995235	0.936599359648909	3.58482961328867e-05	0.966176652322889
PAAD	HLTF	cg24041269	-0.0131931006987194	185	-0.175538066307989	0.860857518205506	0.000174057906046551	0.926055419490288
PAAD	HLTF	cg24710191	0.19142486830224	167	2.4592540692033	0.0149940677901581	0.0366434802045298	0.0583574399473465
PAAD	HLTF	cg25951608	0.135812776415103	185	1.8237695707071	0.0698735380926186	0.0184451102375788	0.184133376894369
PAAD	HLTF	cg26151310	-0.110335961666936	185	-1.47694219040122	0.141468136102336	0.0121740244369675	0.303529488111456
PAAD	HLTF	cg27554556	0.013090577226622	185	0.174173726790822	0.861927984408963	0.000171363212126154	0.926681196048273
PAAD	IDH1	cg00707300	-0.0394669944893125	185	-0.525483628331594	0.599904704207261	0.00155764365401943	0.760068835346325
PAAD	IDH1	cg01046174	0.145046060083556	185	1.95033732506823	0.0527152957891698	0.0210383595457625	0.149909845029342
PAAD	IDH1	cg02241586	0.103960479484411	185	1.39063950110133	0.166080706001062	0.0108077812946287	0.338372638154325
PAAD	IDH1	cg03448938	-0.035527912836517	185	-0.472966729094842	0.636819641224164	0.00126223259051915	0.786311141663904
PAAD	IDH1	cg05268564	0.114561156611049	185	1.53423817965153	0.126756588792634	0.0131242586040613	0.281216097326421
PAAD	IDH1	cg07129696	-0.0774748159171667	185	-1.03384279810294	0.302620134375966	0.00600234710139887	0.50096888331547
PAAD	IDH1	cg07915542	-0.196275135987475	185	-2.6630706000256	0.00845722972863901	0.0385239290069017	0.0374996030553848
PAAD	IDH1	cg09406631	0.142105030820521	185	1.90996761506757	0.0577544128400137	0.0201938397845013	0.160073510624402
PAAD	IDH1	cg09615745	0.0268677187384171	185	0.357580836571059	0.721083042215551	0.000721874310206687	0.841965241067416
PAAD	IDH1	cg10356455	0.0754783364965001	185	1.0070466144149	0.31528708388788	0.00569697928027891	0.514471807110093
PAAD	IDH1	cg14772913	0.196093633513205	185	2.66050943634816	0.00851927677791263	0.038452713104411	0.037704881731907
PAAD	IDH1	cg15399923	3.12955306312144e-06	185	4.16359954891558e-0	0.999966826170583	9.7941023748928e-12	0.999966826170583
PAAD	IDH1	cg16085695	-0.139482661240062	185	-1.87401552625022	0.0625762296352578	0.0194554127866098	0.169776870580274
PAAD	IDH1	cg16863783	-0.0824309847802188	185	-1.10041789385196	0.27264439888212	0.00679486725183666	0.469003334962227
PAAD	IDH1	cg24324379	-0.104529698684047	184	-1.39438191099867	0.164959955237864	0.0109264579069776	0.33683022540682
PAAD	IDH1	cg24830471	0.21389107682312	185	2.91305092975706	0.0040406992095493	0.0457493927445536	0.0209087504528188
PAAD	IDH1	cg24987806	0.23876855353625	185	3.27122423639101	0.00128723336904069	0.0570104221577928	0.00827883024186749
PAAD	IDH1	cg25795625	0.206878722082064	185	2.81320151169472	0.00545967784636984	0.0427988056503077	0.026608832125078
PAAD	IDH1	cg26105702	0.106421550434859	185	1.42393301203959	0.156226361781091	0.0113255463969593	0.324577331171836
PAAD	ING2	cg02075087	-0.0524525499559841	185	-0.698797742479759	0.485595612198559	0.00275126999688501	0.672161833503809
PAAD	ING2	cg02552216	-0.0314865201792906	185	-0.419108709466593	0.675644860829587	0.000991400953000876	0.812507594734533
PAAD	ING2	cg10348863	0.0282418231083273	185	0.375882950814739	0.70745403615999	0.000797600572482048	0.833255299687054
PAAD	ING2	cg17985608	-0.111502055174697	185	-1.49274682667325	0.137283791286685	0.0124327083081811	0.297203914768181
PAAD	ING3	cg01382559	-0.300657762411036	185	-4.19404085011806	4.32551935244914e-05	0.0903950900980109	0.000468205722143354
PAAD	ING3	cg01416111	-0.281751155285833	184	-3.89567494827632	0.000138952606233676	0.0793837135049016	0.00127593001054563
PAAD	ING3	cg10268125	-0.185534822563376	185	-2.5119942940132	0.0128997892202759	0.0344231703836235	0.0520251040026926
PAAD	ING3	cg14303833	-0.228736401018654	185	-3.12601557319139	0.00207153293139249	0.0523203411509667	0.0122386076881544
PAAD	ING3	cg16130600	-0.0391299679532648	185	-0.520989374666449	0.603025350076732	0.00153115439202353	0.762173096407299
PAAD	ING3	cg18485114	-0.00949092735099619	185	-0.126274263240088	0.899658151533714	9.00777019818875e-05	0.947076499552278
PAAD	ING3	cg19478983	-0.0483830188373849	185	-0.644448942135695	0.520118659280934	0.00234091651181875	0.700537702476721
PAAD	ING3	cg19960827	-0.0677266340536738	185	-0.903117896921701	0.367690755262597	0.00458689696024025	0.566586800334723
PAAD	ING3	cg20553930	-0.185340727569514	185	-2.50927286865387	0.0129960818910596	0.0343511852959968	0.0523144399048824
PAAD	ING3	cg24859794	-0.0344980253946638	185	-0.459239731700728	0.646625516804307	0.00119011375613087	0.7927942105605
PAAD	ING4	cg00369908	-0.0987479332396272	185	-1.32020835089626	0.188470180606284	0.00975115431909786	0.368064496801436
PAAD	ING4	cg00443163	-0.181633517632691	185	-2.45735165238146	0.014960175451142	0.0329907347276252	0.0582605070607798
PAAD	ING4	cg00591160	-0.180655364005361	185	-2.44367032303258	0.0155197886037173	0.0326363605439094	0.0599447115156937
PAAD	ING4	cg03930474	-0.0465223105589595	185	-0.619609968017276	0.536311385107479	0.00216432537974427	0.712474733056426
PAAD	ING4	cg04375284	-0.204952440514556	185	-2.78585315174026	0.00592065364064375	0.0420055028728726	0.0283807584768156
PAAD	ING4	cg08733494	-0.181713164384861	184	-2.45151133831109	0.0152024164866741	0.0330196741107594	0.0589942030310932
PAAD	ING4	cg12392916	-0.165682052942727	185	-2.235147831628	0.0266581679319551	0.0274505426673164	0.0903793914450673
PAAD	ING4	cg18123790	0.125733716878813	185	1.68615962342894	0.0935269381129414	0.0158089675601615	0.227078887162016
PAAD	ING4	cg23354319	-0.305946987948044	185	-4.27537013697008	3.11450618089234e-05	0.0936035594344807	0.000352063199413454

PAAD	ING4	cg27116036	-0.176147907374939	185	-2.38072113067571	0.0183409971519304	0.0310280852725699	0.0681059442690823
PAAD	INO80	cg00734724	-0.117052639816953	185	-1.56806340631894	0.118652343787681	0.0137013204881174	0.268688094944227
PAAD	INO80	cg06380007	0.0804309172750115	185	1.07354183343991	0.284489470070618	0.00646913245369975	0.481781000820116
PAAD	INO80	cg12580230	0.0124171005727596	185	0.165211515558504	0.868966040341971	0.000154184386634028	0.930525264150556
PAAD	INO80	cg18952654	0.22265849988593	184	3.0299614282983	0.00281454309535377	0.0495768075714528	0.0156463173903067
PAAD	INO80	cg21007089	0.0599453613268963	185	0.79895795967827	0.425385577644656	0.00359344634461216	0.620130099054736
PAAD	INO80	cg21598047	-0.05838090737495	185	-0.778034486350727	0.437587450455621	0.00340833034592249	0.630459822589955
PAAD	INO80	cg22835709	-0.218131361221848	185	-2.97365638935939	0.00335314936944276	0.0475812907484964	0.0180011663823359
PAAD	INO80	cg26409855	0.0619402763234244	185	0.825647139363196	0.410115734796188	0.00383659783102217	0.606046023332348
PAAD	INO80	cg27441689	-0.196733610120395	185	-2.66954135230134	0.0083022801441256	0.0387041133510034	0.0369637487284443
PAAD	INTS12	cg00093890	-0.125704556901924	185	-1.68576229258782	0.0936036194784234	0.0158016356259089	0.227195309194112
PAAD	INTS12	cg01852585	-0.148664470620113	185	-2.0000776121638	0.0470209808652204	0.0221011248247583	0.137947361520117
PAAD	INTS12	cg03607115	-0.155015490613611	185	-2.08758157072923	0.0382675194244217	0.0240298023301784	0.118472755734777
PAAD	INTS12	cg19703969	-0.0951243890181499	185	-1.27131258604347	0.205285563471665	0.00904864938607632	0.38954017215178
PAAD	INTS12	cg26533745	-0.0656002257631501	185	-0.874638232077757	0.382956022474705	0.00430338962017627	0.581199024803394
PAAD	IWS1	cg02372421	-0.0619053310042654	185	-0.825179535214271	0.410380408504396	0.00383227000674766	0.60626246229461
PAAD	IWS1	cg02592214	0.0316214080749981	185	0.420905959691201	0.674334376576329	0.000999913448645554	0.811724790207874
PAAD	IWS1	cg10180764	-0.182181486699067	185	-2.46501933002534	0.0146544438242481	0.0331900940958824	0.0573310436441318
PAAD	IWS1	cg10488833	-0.0816649609649605	185	-1.09012282663063	0.277140900133296	0.00666916584940853	0.473885598403588
PAAD	IWS1	cg15239145	-0.0653806444220684	185	-0.871697987756536	0.38455400850333	0.00427462866504494	0.582692088925188
PAAD	IWS1	cg17144508	-0.00532552699016723	185	-0.0708525331423966	0.943595111649473	2.83612377229997e-05	0.969889291210307
PAAD	IWS1	cg18451256	0.0505348457020247	185	0.673182520410707	0.501709187613514	0.00255377063012745	0.685505910868444
PAAD	IWS1	cg18530950	0.0197981111483611	185	0.263448373795584	0.792511452007702	0.00039196520504286	0.886246670751332
PAAD	IWS1	cg19311602	0.112011664703339	185	1.49965577060397	0.135485132368949	0.0125466130296132	0.294399899816233
PAAD	IWS1	cg19409088	0.14616105832808	185	1.96565596528113	0.0509026844680077	0.0213630549715845	0.146181971852198
PAAD	IWS1	cg21581038	-0.0350974487656555	185	-0.467229048120414	0.640910681574478	0.00123183090985781	0.789010855846504
PAAD	IWS1	cg21679674	0.0597561000010539	185	0.796426411256468	0.426851151836782	0.00357079148733595	0.621300645505366
PAAD	IWS1	cg22409775	0.0533527868427805	185	0.710825072363373	0.478128250118395	0.00284651986389117	0.665735081437584
PAAD	IWS1	cg23570261	0.0632366711688143	185	0.842996398635898	0.400368184366895	0.00399887658051274	0.596900010246037
PAAD	IWS1	cg23623107	0.132828647008442	185	1.78296907029969	0.0763051715072384	0.0176434494660932	0.196318567061352
PAAD	JADE1	cg09863040	-0.0426534997817113	179	-0.567984814912576	0.570765082827438	0.00181932104362844	0.738729891416459
PAAD	JADE1	cg12832492	0.0178317514722308	179	0.237273749573599	0.812718833173955	0.000317971360567404	0.899073531866766
PAAD	JADE1	cg14617908	0.0759791218294799	179	1.01376685646709	0.312077791695356	0.00577282695397894	0.511046598895899
PAAD	JADE1	cg15389440	0.0405963264356989	179	0.540544604157706	0.589501057001509	0.00164806172007382	0.752652457704518
PAAD	JADE1	cg15836763	-0.0641328345105961	179	-0.854991980206113	0.393711395303282	0.00411302046236351	0.590460832168097
PAAD	JADE1	cg20039387	-0.0215076848930849	179	-0.286207341435234	0.775054027892546	0.000462580509460234	0.875356461177014
PAAD	JADE1	cg22922695	0.0204025137500933	179	0.271494303400572	0.786327269943898	0.000416262567322746	0.882220078725993
PAAD	JADE1	cg26766900	-0.0378440427115871	179	-0.503843165864168	0.614998123398118	0.00143217156875643	0.77095515431995
PAAD	JADE2	cg04590931	-0.0405085193554548	179	-0.539373519350044	0.590306990378599	0.00164094014037125	0.753306901289557
PAAD	JADE2	cg04842522	-0.026829454466677	179	-0.357071212603963	0.721463848523767	0.000719819626979496	0.842169717184712
PAAD	JADE2	cg17378563	-0.103455789680624	179	-1.3838152400566	0.168157589500002	0.0107031004184415	0.341263441879403
PAAD	JADE2	cg18145011	-0.140642277976953	179	-1.8899085986341	0.0604047823284179	0.0197802503545466	0.165442781386085
PAAD	JADE2	cg21194015	-0.0646079863243078	179	-0.861352958682825	0.390209039309739	0.00417419189688194	0.587609794890859
PAAD	JADE2	cg25669900	-0.122816771272017	179	-1.64643543276898	0.101448531768552	0.0150839593056828	0.240737183308506
PAAD	JADE2	cg26133206	-0.0934092403903995	179	-1.24818643817344	0.213611388218814	0.00872528619031145	0.400129584725129
PAAD	JADE3	cg10860619	0.0918044214392531	179	1.22655807272218	0.221617882469205	0.008428051795796	0.410098514481668
PAAD	JADE3	cg17843048	0.0916178522116648	179	1.22404428237704	0.222562334091667	0.00839383084387844	0.411190876061631
PAAD	JADE3	cg19194595	0.0882582548019489	179	1.17879982772464	0.240060106180975	0.00778951954068573	0.432017116226583
PAAD	JARID2	cg01769037	-0.161030472794692	185	-2.17069996156542	0.0312856065179836	0.0259308131684822	0.101863829299796
PAAD	JARID2	cg03223185	0.122300717980318	185	1.63941214423986	0.102903598449217	0.0149574656185012	0.243136903196913
PAAD	JARID2	cg05197191	-0.0969738597302972	185	-1.29626267013959	0.196572583179685	0.00940392947099135	0.378687720664663
PAAD	JARID2	cg06047828	-0.13570503579483	185	-1.82229561473993	0.0700978157069377	0.0184158567400761	0.184566082552816
PAAD	JARID2	cg14862454	0.0584135404412129	185	0.77847087141961	0.43733090866519	0.00341214170687721	0.630206922454381
PAAD	JARID2	cg15109221	0.111222914601476	185	1.4889629319986	0.138276723213216	0.0123705367324473	0.298650695623114
PAAD	JARID2	cg21397480	0.0598404922812674	185	0.79755522679408	0.426197287049847	0.00358088451646443	0.6208400526738
PAAD	JARID2	cg21901688	-0.0910510718843089	185	-1.2164084123244	0.225449003972406	0.00829029769128158	0.414849204414442
PAAD	JARID2	cg25338254	-0.185878479395	185	-2.51681348799076	0.0127308315800148	0.0345508091021975	0.0515287363129901

PAAD	JMJD6	cg02318866	0.140796126855171	185	1.89201776180848	0.0601214014917338	0.0198235493374173	0.164918346532015
PAAD	JMJD6	cg04510639	-0.102919470620436	185	-1.37656448187613	0.170385755219795	0.0105924174327908	0.344178163729974
PAAD	JMJD6	cg07312083	0.0731523334724953	185	0.97584299692681	0.330474075521586	0.00535126389247116	0.530145717171291
PAAD	JMJD6	cg08857478	-0.110622762208559	185	-1.48082876335834	0.140430096096226	0.0122373955186513	0.301952007204254
PAAD	JMJD6	cg10712116	0.212066065383499	185	2.88701980523232	0.00437384257290565	0.0449720160872383	0.0223018096032393
PAAD	JMJD6	cg12504415	-0.0791349866251866	185	-1.05613465514969	0.292346085228109	0.00626234610816847	0.490061441006627
PAAD	JMJD6	cg15457598	0.0537810391350131	185	0.716547209773062	0.474597914361778	0.00289240017044181	0.662507314860488
PAAD	JMJD6	cg21102709	-0.00552825488780879	185	-0.073549771567308	0.941451690596105	3.05616021045818e-05	0.968761129376372
PAAD	JMJD6	cg21807925	-0.142655751138866	185	-1.91752305205918	0.0567817258493593	0.020350663332994	0.158167528456216
PAAD	JMJD6	cg23630158	0.0364620569521126	185	0.485418902039847	0.627979528002412	0.0013294815971791	0.780200578149668
PAAD	JMJD6	cg25004679	-0.0528916071353441	185	-0.704663411647835	0.481945886806817	0.00279752210535958	0.669078776469582
PAAD	JMJD6	cg25908504	-0.195014080526799	185	-2.64528183504927	0.00889673178370866	0.038030491603713	0.0389944420745863
PAAD	JMJD6	cg26612088	-0.121987265421989	185	-1.63514683379452	0.103795413148519	0.0148808929251347	0.244627374287321
PAAD	JMJD8	cg00873473	-0.153859215055064	185	-2.07163108833001	0.0397502171784716	0.0236726580573605	0.121922816511533
PAAD	JMJD8	cg02851105	-0.245297649221829	185	-3.36632144608994	0.000934364438018861	0.0601709367137553	0.00634385993116069
PAAD	JMJD8	cg03899598	-0.173263960891202	185	-2.34052654634904	0.0203709512151333	0.030020400143708	0.0738426810880237
PAAD	JMJD8	cg05787952	-0.148425078135696	185	-1.99678430278881	0.0473811670599889	0.0220300038195874	0.138732000085241
PAAD	JMJD8	cg06191810	-0.023854038379722	184	-0.316549653750117	0.75196047810592	0.000569015147021252	0.861105248249702
PAAD	JMJD8	cg06646636	-0.295550477133286	185	-4.11591302589597	5.90453145438271e-05	0.0873500845337132	0.000613349071921817
PAAD	JMJD8	cg08398290	-0.144504937704349	185	-1.94290573995207	0.0536140720905067	0.0208816770209377	0.151816442478393
PAAD	JMJD8	cg26750188	-0.164130339025599	185	-2.21363195147125	0.0281320032792881	0.0269387681886579	0.0941437592629521
PAAD	JMJD8	cg27579097	-0.200086001966279	185	-2.71691158841672	0.00724376587354098	0.0400344081828499	0.0332932483969188
PAAD	KAT2B	cg00770008	-0.13713399452734	185	-1.84185000100382	0.0671704331446254	0.0188057324550244	0.178875045478679
PAAD	KAT2B	cg04371528	-0.0503139075796667	185	-0.670231883496892	0.503583488843065	0.00253148929593524	0.686956662509919
PAAD	KAT2B	cg05072819	-0.104814066822685	185	-1.40218392234486	0.162611678801628	0.0109859886039103	0.333242352432598
PAAD	KAT2B	cg12062464	-0.076932694510212	185	-1.02656537390357	0.30602603239664	0.00591863948460161	0.504535013865642
PAAD	KAT2B	cg14937543	-0.14358660075975	185	-1.93029769270064	0.0551683997050819	0.0206171119177398	0.154959939581786
PAAD	KAT2B	cg18053505	-0.266460812774581	185	-3.67800608535459	0.000311632113078439	0.0710013647444905	0.00252243352458892
PAAD	KAT5	cg00582417	0.11531726264844	184	1.54013102675036	0.125324402145049	0.0132980710647293	0.27890738472571
PAAD	KAT5	cg02561205	0.062667042898704	185	0.83537271375081	0.404634084576417	0.00392715826566801	0.601082777512226
PAAD	KAT5	cg05785768	-0.0866943895804793	185	-1.15775282943466	0.248524795264831	0.00751591718473191	0.441869812201493
PAAD	KAT5	cg07564927	-0.135973822694754	185	-1.8259729028272	0.06953938626636	0.0184888804582244	0.183511189800801
PAAD	KAT5	cg14726348	-0.111089337681671	185	-1.48715235413557	0.13875380685162	0.0123408409465522	0.299397411876911
PAAD	KAT5	cg18896539	0.0124781294211782	185	0.166023640320968	0.868327835583903	0.000155703713851674	0.930066028382407
PAAD	KAT5	cg20108992	0.0143888285096503	185	0.19145073245623	0.848391919023131	0.000207038385880125	0.919084817539664
PAAD	KAT5	cg20423942	0.0661546171055475	185	0.882062196343641	0.378939469073438	0.0043764333643816	0.577502978824962
PAAD	KAT5	cg22048492	-0.00654381002245401	185	-0.0870615940332598	0.930720966834075	4.28214496099696e-05	0.963372900695398
PAAD	KAT6A	cg10163397	-0.215146053725752	185	-2.93096987133081	0.00382505160094303	0.0462878244337643	0.0200327227846885
PAAD	KAT6A	cg12468056	0.0116142314430954	185	0.154527722007835	0.877369715434109	0.000134890372013786	0.935004633903042
PAAD	KAT6A	cg15251374	-0.195290624674972	185	-2.64918166514858	0.00879865587821492	0.0381384280859407	0.0386385907643156
PAAD	KAT6A	cg20966972	0.156662129252052	185	2.11031165903037	0.0362366922879968	0.0245430227417865	0.113816103030217
PAAD	KAT6B	cg04396765	-0.0696886374749766	185	-0.92940660093661	0.353944184552208	0.00485650619311871	0.55297520441301
PAAD	KAT6B	cg06972998	-0.150456166649945	184	-2.0190096395181	0.0450037633663959	0.0226370580829961	0.133580936599085
PAAD	KAT6B	cg09631472	-0.0468759773213133	185	-0.624330632221162	0.533214362778317	0.00219735724982828	0.710317141705797
PAAD	KAT6B	cg10359932	0.0265997645294466	185	0.354012112521335	0.72375116051615	0.000707547473022007	0.843485457614019
PAAD	KAT6B	cg10739686	-0.0807772511357362	185	-1.07819477750681	0.282414025743532	0.0065249643010458	0.479581688212271
PAAD	KAT6B	cg11128436	0.0235770729933566	185	0.313759773090925	0.754072963026654	0.000555878370934063	0.862592271407587
PAAD	KAT6B	cg11348552	-0.0729408762912099	185	-0.973007074493309	0.331877626164857	0.00532037143412959	0.531597340784254
PAAD	KAT6B	cg15874302	0.210062796673996	185	2.85848250111981	0.00476776909148261	0.0441263785465007	0.0238784412993497
PAAD	KAT6B	cg15912797	0.0309571882169449	185	0.412056095630116	0.680796901640646	0.000958347502299353	0.815857196610555
PAAD	KAT6B	cg17147776	0.0156653265855764	185	0.208439192260097	0.835125721657018	0.000245402457032765	0.911708382474089
PAAD	KAT6B	cg18462764	0.144755488287697	185	1.94634649208885	0.0531963557200904	0.0209541513894097	0.150930278160718
PAAD	KAT6B	cg18491775	0.123369084054694	185	1.65395370155609	0.0999092762788518	0.0152199309004941	0.238094052163858
PAAD	KAT6B	cg24671245	0.0751988632426933	185	1.00329658267805	0.317087406619415	0.00565486903299329	0.516348098519055
PAAD	KAT6B	cg26605858	0.00482132702181513	185	0.0641443296380396	0.948927688963714	2.32451942512847e-05	0.972892644588234
PAAD	KDM1A	cg00062312	0.111768664244508	185	1.49636118438282	0.136340534517162	0.0124922343070015	0.29576630719244
PAAD	KDM1A	cg00541565	-0.0607251048594485	185	-0.809388678652677	0.41937832047413	0.00368753836019102	0.614744996095311

PAAD	KDM1A	cg04886391	0.0265320674264909	185	0.353110506853561	0.724425773862991	0.000703950601923858	0.843917678490207
PAAD	KDM1A	cg06958034	0.0719891047980327	185	0.960244178663962	0.338242228642082	0.00518243120962214	0.537662769411158
PAAD	KDM1A	cg07118078	-0.0420584577930429	185	-0.560046944220496	0.57615552539667	0.00176891387192917	0.742827076065373
PAAD	KDM1A	cg07785945	0.00663275681370735	185	0.0882450311766576	0.929781689005433	4.39934629497813e-05	0.962787361823849
PAAD	KDM1A	cg10499166	0.0693924316015757	185	0.925437078658796	0.355998625943939	0.00481530956357937	0.554799950419599
PAAD	KDM1A	cg12578844	-0.0525411110801245	185	-0.699980859091201	0.48485824323865	0.00276056835353398	0.671575931176133
PAAD	KDM1A	cg22683154	-0.20815248086185	185	-2.831304435721	0.00517277114760899	0.0433274552889429	0.025469022699816
PAAD	KDM1A	cg26662347	0.0274275002421232	185	0.365036486009541	0.71551997442258	0.000752267769531666	0.83825011882161
PAAD	KDM1B	cg11007366	0.0296989336153221	185	0.395292981066676	0.693102670044126	0.000882026657887309	0.823835797543319
PAAD	KDM1B	cg15124342	-0.150469896398865	184	-2.01919815043415	0.044983969858599	0.0226411897222851	0.133541896534165
PAAD	KDM1B	cg20677365	-0.208143871942232	161	-2.6322484333051	0.0093516828192421	0.0433238714271041	0.0404432406573985
PAAD	KDM1B	cg22406543	0.119202545227222	185	1.59727535838947	0.111988081670082	0.0142092467886479	0.25818084637256
PAAD	KDM1B	cg23073439	-0.13107604195432	185	-1.75902966761626	0.0803004087508347	0.0171809287744106	0.203567960320736
PAAD	KDM1B	cg23860886	0.000619827610892747	185	0.00824627160745239	0.993429788657147	3.84186267225011e-07	0.996560661285267
PAAD	KDM1B	cg24342628	-0.0560708929937635	185	-0.747150136972931	0.455964313995147	0.00314394504111807	0.646213111191073
PAAD	KDM2A	cg05038268	-0.366833264696314	185	-5.24612372866547	4.40182942101837e-07	0.134566644087756	8.23163264371883e-06
PAAD	KDM2A	cg05295919	-0.0862949133196854	185	-1.15237793934906	0.250719820663254	0.00744681206485202	0.444324161757687
PAAD	KDM2A	cg06320126	0.0593201264871123	185	0.79059518256101	0.430238261230562	0.00351887740644701	0.624264763483547
PAAD	KDM2A	cg07283932	-0.229255364288202	185	-3.13350093136461	0.00202214952054537	0.052558022054916	0.0120011519531055
PAAD	KDM2A	cg08836144	-0.0724386661861238	164	-0.907141831184178	0.365730915371002	0.00524736035882468	0.564584490819774
PAAD	KDM2A	cg09993857	-0.1065085508913	185	-1.42511043987258	0.155886232714486	0.0113440714129647	0.324095718311794
PAAD	KDM2A	cg11637544	0.120609485087011	185	1.61640453773186	0.107787797827219	0.0145466478929539	0.251393912282138
PAAD	KDM2A	cg16004548	0.0383957456715729	185	0.511199124517186	0.609848709458886	0.00147423328567611	0.767184599640089
PAAD	KDM2A	cg18132081	0.0578056219324319	185	0.770341902170055	0.442124079972422	0.00334148992699525	0.634511428410718
PAAD	KDM2A	cg21293464	-0.354675379364981	185	-5.04674008946294	1.10870082681023e-06	0.125794624727693	1.87459839428114e-05
PAAD	KDM2A	cg21711868	-0.131339715487113	185	-1.76263019180397	0.0796887895636916	0.0172501208642358	0.202466105859689
PAAD	KDM2A	cg25597833	-0.0887374503214555	185	-1.18525074519596	0.237507183455368	0.00787433508955279	0.428990801711792
PAAD	KDM2B	cg03486832	0.00852455026683836	185	0.113415885895097	0.909829382387984	7.26679572518539e-05	0.952116106417506
PAAD	KDM2B	cg05067991	-0.0718791233083228	185	-0.958769539107332	0.338982663346336	0.00516660836757308	0.538322765475838
PAAD	KDM2B	cg07020001	0.059649779573999	185	0.795004313274989	0.427675738893323	0.00355809620322667	0.621985127058143
PAAD	KDM2B	cg07529210	0.0927332055128624	185	1.23907423705213	0.216958551676308	0.00859944740469078	0.404265235188185
PAAD	KDM2B	cg07793808	0.0894217899200984	185	1.19446474621426	0.23389441700047	0.00799625651251422	0.424832647119649
PAAD	KDM2B	cg09151742	0.0717302607815537	185	0.956773635850563	0.33998650022887	0.00514523031178969	0.539242280869486
PAAD	KDM2B	cg12251659	-0.0140004752525654	185	-0.186282466379147	0.852436581658733	0.000196013307297697	0.921330218339116
PAAD	KDM2B	cg12888660	-0.164652271167602	185	-2.22086710642953	0.0276286796551176	0.0271103704006496	0.092852320074746
PAAD	KDM2B	cg15234492	0.0720036862950261	185	0.960439691044462	0.338144138161043	0.00518453084007253	0.537583738665118
PAAD	KDM2B	cg15316703	-0.149497626235644	185	-2.01154209621571	0.0457851867960564	0.0223495402500922	0.13529639222109
PAAD	KDM2B	cg16837338	0.00123255455705395	185	0.0163980843026966	0.986935277299679	1.51919073611445e-06	0.993148441205393
PAAD	KDM2B	cg17452615	0.0509873573309309	185	0.679226139971889	0.497881820414237	0.00259971060759203	0.682188856024182
PAAD	KDM2B	cg20055546	-0.13506772833303	185	-1.81357821357083	0.0714364703685718	0.0182432912370452	0.187121747393942
PAAD	KDM2B	cg21249371	0.101541572898462	185	1.35794156001751	0.176210761011217	0.0103106910266936	0.352122782997857
PAAD	KDM2B	cg21781916	-0.0581310465817932	185	-0.77469331039777	0.439554550939385	0.00337921857669461	0.632193361603626
PAAD	KDM2B	cg26218726	-0.0357357671627404	185	-0.475737325828781	0.634848150416558	0.00127704505470959	0.784898398231234
PAAD	KDM2B	cg26509318	-0.0940677129868945	185	-1.25706359342747	0.210386853543916	0.00884873462658475	0.39605537857719
PAAD	KDM3A	cg01744130	-0.0152216486701895	185	-0.202534329016385	0.839731639508273	0.000231698588238681	0.914178844724627
PAAD	KDM3A	cg02152982	-0.0665853566883442	185	-0.887830888319321	0.375836583710072	0.00443360972531403	0.574363441854799
PAAD	KDM3A	cg02972551	-0.0406030381927204	185	-0.540634119512768	0.589439474139554	0.00164860671047952	0.752644307775338
PAAD	KDM3A	cg03037033	0.013917644634033	185	0.185180154500959	0.853299756545759	0.000193700832159229	0.921812856158839
PAAD	KDM3A	cg04793821	0.0628983462951801	185	0.838468289860707	0.402898631394662	0.0039562019666684	0.599420454220129
PAAD	KDM3A	cg07052513	0.0199320437637506	185	0.265231286613814	0.791139936531649	0.000397286368600069	0.88534927531134
PAAD	KDM3A	cg07211384	-0.0424301485349021	184	-0.56340691408813	0.573874931232881	0.00180031750469386	0.741151909162805
PAAD	KDM3A	cg12888358	-0.0165661338647569	185	-0.220428325219525	0.825791631276413	0.000274436791225045	0.906322063580431
PAAD	KDM3A	cg18611949	0.0234772521565072	185	0.31243036981563	0.755081041119171	0.000551181368820223	0.863289015957921
PAAD	KDM3A	cg19139691	0.0831446980510708	185	1.1100116941438	0.268499727891183	0.00691304081400373	0.46429420804585
PAAD	KDM3A	cg20191795	0.0253350465867611	185	0.337169098131924	0.736388908670699	0.000641864585553356	0.85135220855011
PAAD	KDM3A	cg20918903	0.0838876571223427	185	1.12000044656959	0.264231020918778	0.00703713901747574	0.459763985804993
PAAD	KDM3A	cg22404242	-0.0459938647501427	185	-0.612556827084366	0.540955592631648	0.00211543559465442	0.716078502969606

PAAD	KDM3A	cg24749656	0.149201461026971	185	2.00746626888231	0.0462213349429865	0.0222610759725828	0.136233330702231
PAAD	KDM3B	cg00435490	-0.0888490707719178	185	-1.18675349570566	0.236915264220287	0.00789415737703326	0.428269688968351
PAAD	KDM3B	cg03315484	-0.263183102951198	185	-3.62937375126578	0.000371644759255582	0.0692653456790206	0.0029230343141774
PAAD	KDM3B	cg05191700	-0.175191229010005	185	-2.36738061152691	0.0189940090261969	0.030691966722036	0.0699167189450158
PAAD	KDM3B	cg05708550	-0.098935545838713	185	-1.32274140409892	0.187627827373829	0.00978824223040408	0.366966456058074
PAAD	KDM3B	cg05722427	0.0163574277587865	185	0.217650542007089	0.827952105450226	0.000267565442883918	0.907499826449548
PAAD	KDM3B	cg15001364	-0.0258789216057662	185	-0.344412007698303	0.730945315983954	0.000669718583477393	0.847958885329802
PAAD	KDM3B	cg18682923	0.225699612856453	185	3.08227003808925	0.00238315221404834	0.050940315243553	0.0136944115334375
PAAD	KDM3B	cg19076659	0.0946995489463616	185	1.26558321327542	0.207325733121196	0.00896800457064434	0.392263493991059
PAAD	KDM3B	cg24137987	-0.126605299687391	185	-1.69803777587584	0.0912579339673069	0.016028901908934	0.22306153956463
PAAD	KDM4A	cg00154982	-0.224626980057214	185	-3.06684125954074	0.00250300833026976	0.0504572801696239	0.0142515574943282
PAAD	KDM4A	cg00979347	0.0470800417339808	185	0.62705454493208	0.531431480618363	0.00221653032967337	0.709134614564911
PAAD	KDM4A	cg03587511	0.214780878827631	185	2.92575422747363	0.00388670579205532	0.0461308259099697	0.0202995898212253
PAAD	KDM4A	cg08552254	-0.198348121655594	185	-2.69234257106996	0.00777648437327826	0.0393419773643024	0.0351641377199959
PAAD	KDM4A	cg10958452	-0.0269160016583767	184	-0.357210531235125	0.721362154438165	0.000724471145273739	0.842108080468683
PAAD	KDM4A	cg10968649	0.155248336229244	185	2.09079466870898	0.0379746495881017	0.0241020459019484	0.117826169194041
PAAD	KDM4A	cg12293275	0.134106575707693	185	1.80043543334162	0.0734945736130977	0.0179845736480432	0.191058875844856
PAAD	KDM4A	cg17737314	0.0184327522433238	184	0.244579645676059	0.807066834296159	0.000339766355263758	0.895511435479809
PAAD	KDM4A	cg19743044	-0.0341569938736359	185	-0.454694570834487	0.649886149260043	0.0011667002304836	0.795259629164021
PAAD	KDM4A	cg20873046	-0.128668073351932	185	-1.72616575819067	0.0860625571800326	0.0165554731000982	0.21396382345437
PAAD	KDM4A	cg21451504	-0.352157845427846	185	-5.00582546466444	1.33607220175777e-06	0.124015148096382	2.21051469297202e-05
PAAD	KDM4A	cg22094309	-0.136991561842402	185	-1.83990037716041	0.0674576712569866	0.0187666880160207	0.179454983338441
PAAD	KDM4A	cg24324755	0.220248804686441	185	3.00398647690396	0.00305101137745644	0.0485095359658061	0.0166819214997081
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PAAD	KDM4A	cg25841161	0.104973491114457	185	1.40434041744284	0.161969820084703	0.011019433836757	0.33249631052537
PAAD	KDM4B	cg01098771	-0.255541171919757	185	-3.51650868046991	0.000555504036232991	0.0653012905461227	0.00409930572896123
PAAD	KDM4B	cg12072803	0.0701099407116621	185	0.935053007239848	0.351034910830564	0.00491540378659278	0.549974017262514
PAAD	KDM4B	cg18115693	0.0478048200320707	185	0.636729740455155	0.525123512021792	0.00228530081829867	0.704141245418906
PAAD	KDM4C	cg00121158	0.183955263545544	185	2.48985594994282	0.0137019223528023	0.0338395389861106	0.0544644414195015
PAAD	KDM4C	cg00667760	0.270925421162089	185	3.74447020505326	0.000244277806346009	0.0734005838318552	0.00205308423367344
PAAD	KDM4C	cg05545111	0.18757946711142	185	2.54068103208378	0.0119228279012207	0.0351860564818043	0.0488968566475598
PAAD	KDM4C	cg14196303	-0.10303021126556	185	-1.37806153835404	0.169923889894672	0.0106152244253887	0.343599234417798
PAAD	KDM4C	cg14473811	0.151964058542041	185	2.04550677815917	0.0422848179937257	0.023093075088569	0.127498133170123
PAAD	KDM4C	cg14497348	0.0435789686510289	185	0.580331792458973	0.562428967347131	0.00189912650868736	0.732572165367366
PAAD	KDM4E	cg15555590	0.12503752191716	185	1.6766745526639	0.0953714002103062	0.0156343818871843	0.230192135148167
PAAD	KDM4E	cg19409026	0.348794002199422	185	4.95135006548657	1.70999420706156e-06	0.121657255970291	2.7496339260882e-05
PAAD	KDM5B	cg00528052	0.071855898336414	185	0.958458141546392	0.339139153932974	0.00516327012573306	0.538437109000341
PAAD	KDM5B	cg00571448	0.232686707540185	185	3.18306487633948	0.00172168482364438	0.0541431038658916	0.0105230004062375
PAAD	KDM5B	cg02624558	0.0609550278396757	185	0.812464667882152	0.417616448788988	0.00371551541893564	0.613062754805616
PAAD	KDM5B	cg04504182	0.0184192226632166	185	0.245093398972224	0.806668040635869	0.000339267763517151	0.895208419876835
PAAD	KDM5B	cg08915090	0.0942685006695571	185	1.25977083003579	0.209410582050238	0.0088865502184863	0.394863582422769
PAAD	KDM5B	cg09889216	-0.0378342461947167	185	-0.503712551263465	0.615089732042863	0.00143143018512244	0.770994531039068
PAAD	KDM5B	cg11171004	0.111641181169465	185	1.49463288494539	0.136790946037711	0.012463753329133	0.296487096179029
PAAD	KDM5B	cg11221497	-0.126956880753941	185	-1.7028303418162	0.0903551701200918	0.0161180495707704	0.221402611324254
PAAD	KDM5B	cg13134514	-0.150956356750495	185	-2.0316252587207	0.0436868431492459	0.0227878216433826	0.130661155917885
PAAD	KDM5B	cg13253785	0.0492858008456637	185	0.65650277004379	0.512353288099523	0.00242909016499842	0.694246908250294
PAAD	KDM5B	cg13993945	-0.246780594743999	185	-3.38798807093985	0.000867751813759578	0.0609006619422019	0.00596447116094828
PAAD	KDM5B	cg14560895	0.0900166022986842	185	1.20247473066024	0.230785798036431	0.00810298868939947	0.421192473430444
PAAD	KDM5B	cg21105875	0.349681275446532	173	4.79441483901767	3.62118487647182e-06	0.122276994397913	5.35258324682213e-05
PAAD	KDM5B	cg24354901	-0.029645177332801	185	-0.394576854701571	0.693630228662172	0.000878836539093216	0.824261361163141
PAAD	KDM5B	cg27531483	-0.0898729018892964	185	-1.20053948422945	0.231534127058386	0.00807713849400309	0.422003792708404
PAAD	KDM5C	cg01859586	0.0178484927801141	185	0.237496584562727	0.812546246903994	0.000318568694521785	0.899011910018112
PAAD	KDM5C	cg04927657	0.0748153521055245	185	0.998150935260188	0.319568783600438	0.00559733691067361	0.518900729522281
PAAD	KDM5C	cg04927982	-0.453011161582657	185	-6.76039120885655	1.92391910721703e-10	0.205219112518469	7.26197782760029e-09
PAAD	KDM5C	cg09554224	0.185994573122286	185	2.51844171823588	0.0126741949690943	0.0345939812309416	0.0513315453678532
PAAD	KDM5C	cg12234996	-0.283539689454316	185	-3.93368674932285	0.000119982889998307	0.0803947554958501	0.00112633630318912
PAAD	KDM5C	cg16417926	0.00473278528602883	185	0.0629663181342247	0.949864375111027	2.2399256563651e-05	0.973426106853136

PAAD	KDM5C	cg16824069	-0.454956444421225	185	-6.79697783323192	1.57364794934154e-10	0.206985366320403	6.05142701784853e-09
PAAD	KDM5C	cg19903753	-0.387959904709749	185	-5.60009094419387	8.05688591520426e-08	0.150512887662397	1.7887482388339e-06
PAAD	KDM5C	cg24985300	-0.162081051355065	185	-2.18524262203495	0.0301846971414001	0.0262702672083632	0.0991424247168285
PAAD	KDM5C	cg27526317	-0.201916166061031	185	-2.74281413772904	0.00671809749610071	0.040770138116786	0.0313567643430849
PAAD	KDM6A	cg00751785	-0.075180735480748	185	-1.00305334872258	0.317204413209578	0.0056521429874262	0.51641155399314
PAAD	KDM6A	cg03267667	0.0335144546788241	185	0.446131441276527	0.656047579346802	0.00112321867241896	0.799520089414811
PAAD	KDM6A	cg03478540	0.0655215517251297	185	0.873584748396038	0.383528102315803	0.00429307374046884	0.581806193041527
PAAD	KDM6A	cg06877198	-0.107788810432894	185	-1.44244078103841	0.150945263824223	0.0116184276545383	0.317034365235066
PAAD	KDM6A	cg07167981	-0.243563675211347	185	-3.34101903527274	0.00101819397355947	0.0593232638824585	0.00681429645380981
PAAD	KDM6A	cg11895950	-0.0680527115297017	185	-0.907486241417725	0.365383565452593	0.00463117154654479	0.56431074026857
PAAD	KDM6A	cg14384228	1.59280808866549e-05	185	0.00021190933358614	0.999831159458279	2.53703760731823e-10	0.99990349231291
PAAD	KDM6A	cg15923127	0.102670858950615	185	1.37320379183308	0.171426034865088	0.0105413052776571	0.34558856037458
PAAD	KDM6A	cg17824914	-0.410260672095881	185	-5.98503614600141	1.1733581231767e-08	0.168313819068564	3.16286284942509e-07
PAAD	KDM6A	cg20211377	0.0160005405066951	185	0.21290060096696	0.83164949809441	0.000256017296506391	0.909713206794132
PAAD	KDM6A	cg22133177	0.234543002216775	185	3.209930306854	0.00157667499997499	0.055010419888858	0.00979992449249396
PAAD	KDM6A	cg27306636	-0.040403253090544	185	-0.537969597538002	0.591273834534106	0.00163242286029856	0.75400787524904
PAAD	KDM6B	cg01046511	0.053329176409692	185	0.710509610583128	0.47832329791793	0.00284400105653605	0.665879579081411
PAAD	KDM6B	cg02308232	-0.0033492035382788	185	-0.0445585049071459	0.964509447510793	1.12171643408192e-05	0.981374645081433
PAAD	KDM6B	cg24893073	0.0285404214943217	185	0.379860352048342	0.704504474978465	0.000814555659073542	0.831338136143307
PAAD	KDM8	cg00636124	-0.0575901531735527	185	-0.767460902269433	0.443830084516751	0.00331662574255327	0.635915902078637
PAAD	KDM8	cg01755539	-0.0845932649649472	185	-1.1294887697527	0.260220092481762	0.00715602047742977	0.455341263091596
PAAD	KDM8	cg06329197	0.0129649045476237	185	0.172501334793974	0.863240498568808	0.000168088749928993	0.927310945272123
PAAD	KDM8	cg08572679	-0.0300938476860418	185	-0.400554023016365	0.689231560817026	0.000905639668550684	0.821333177251232
PAAD	KDM8	cg09140090	-0.0172690772559223	185	-0.229784395706764	0.818524641126449	0.000298221029271013	0.902403609990944
PAAD	KDM8	cg10214171	0.0528538970157461	185	0.70415959985042	0.482258775756157	0.00279353442975109	0.669310987810788
PAAD	KDM8	cg10221365	-0.0117125820161219	185	-0.155836458322303	0.876339518236407	0.000137184577484382	0.934555525602937
PAAD	KDM8	cg16752029	-0.0268889267227868	185	-0.35786329648877	0.720872009725001	0.000723014380303399	0.841870462590586
PAAD	KDM8	cg24206694	-0.131128753559607	185	-1.75974942659812	0.0801778370520443	0.017194750010096	0.203396421301335
PAAD	KDM8	cg24705286	-0.0457169524088939	185	-0.608861097473026	0.543397147012766	0.00209003973755707	0.717754473226295
PAAD	KIAA202	cg03495688	0.363400827859473	185	5.18952650101788	5.73559271341137e-07	0.132060161688951	1.04519723482578e-05
PAAD	KIAA202	cg25608569	-0.190180474567894	185	-2.57722317210778	0.0107744118384626	0.0361686129068692	0.0451952732218857
PAAD	KMT2B	cg09284703	-0.163144112522962	185	-2.19996584144886	0.0291044776694565	0.0266160014509049	0.0965606335643848
PAAD	KMT2B	cg13830730	-0.126929805213483	185	-1.70246123930353	0.090424438512107	0.0161111754515327	0.221530477092991
PAAD	KMT2B	cg15496871	0.0476854607432924	185	0.635136322975522	0.526159713258565	0.00227390316630008	0.704904828917825
PAAD	KMT2B	cg24471867	-0.0897960388704307	185	-1.19950438333048	0.231935096758477	0.0080633285968199	0.422546519220368
PAAD	L3MBTL1	cg01071811	-0.335243981202235	185	-4.73408628306201	4.49040922567363e-06	0.112388526932324	6.47261247548738e-05
PAAD	L3MBTL1	cg01877937	-0.209133295089893	185	-2.84525422641818	0.00496113413693706	0.0437367351151561	0.0246202136418016
PAAD	L3MBTL1	cg02177317	-0.222310278018152	185	-3.03355772528994	0.0027807330545493	0.049421859712508	0.0154960134130092
PAAD	L3MBTL1	cg02472486	-0.263305621908759	185	-3.63118915687374	0.000369221134509765	0.0693298505287581	0.00290661697409964
PAAD	L3MBTL1	cg02611863	-0.210464774106211	185	-2.86420578355666	0.00468626080821532	0.0442954211395782	0.0235521158773288
PAAD	L3MBTL1	cg03486259	-0.142772845680156	185	-1.9191297284823	0.0565766645427298	0.0203840854636096	0.157747931666862
PAAD	L3MBTL1	cg04984575	-0.240214791737048	185	-3.29224774699483	0.00119992941180323	0.0577031461692731	0.00781868738268034
PAAD	L3MBTL1	cg06362543	0.00853458331885896	185	0.113549381538739	0.909723705123788	7.28391124265456e-05	0.952077399838035
PAAD	L3MBTL1	cg06446163	-0.150718644399542	185	-2.02835161685483	0.0440231894246594	0.0227161097696355	0.13144271725588
PAAD	L3MBTL1	cg06908806	-0.143430636908928	185	-1.92815693790674	0.0554360396228763	0.0205723476041007	0.155487138247117
PAAD	L3MBTL1	cg07678583	-0.16455483697832	185	-2.21951630376686	0.0277220510922363	0.0270782943729616	0.0931017631958828
PAAD	L3MBTL1	cg08369943	0.0623298595033671	185	0.830860367995434	0.407171873864152	0.00388501138570948	0.603366390250826
PAAD	L3MBTL1	cg08633313	-0.124186374247145	185	-1.66508179842674	0.0976654966549177	0.0154222555486519	0.234100930476682
PAAD	L3MBTL1	cg09541000	-0.155454430253269	185	-2.09363891230632	0.0377170065141443	0.0241660798853684	0.11729120581873
PAAD	L3MBTL1	cg10360552	-0.27981437719013	185	-3.8775815700059	0.000148542062578274	0.0782960856823002	0.00135059387753789
PAAD	L3MBTL1	cg12699433	0.0235829338122102	185	0.31383781129113	0.754013788246398	0.000556154767191085	0.86253793857835
PAAD	L3MBTL1	cg14306330	-0.0786777815730575	185	-1.04999468354076	0.295152059522186	0.00619019331325775	0.493054592507224
PAAD	L3MBTL1	cg15123011	-0.0455460873063867	185	-0.606580766555599	0.544906384399279	0.002074446068921	0.718975755566779
PAAD	L3MBTL1	cg15302378	-0.282853188663602	185	-3.92333323556175	0.00012482618500809	0.0800059263371674	0.00116561376023518
PAAD	L3MBTL1	cg15330298	-0.155449941561151	185	-2.09357696219088	0.0377226021883224	0.0241646843313652	0.117303917921348
PAAD	L3MBTL1	cg15388309	-0.259181857712511	185	-3.57018892106232	0.000459388350636431	0.0671752353673084	0.00349205172458575
PAAD	L3MBTL1	cg16862791	-0.299899287768928	185	-4.1824133765501	4.53178459652932e-05	0.0899395828043103	0.000487412762204344

PAAD	L3MBTL1	cg17091610	-0.248840061115126	185	-3.41812005649842	0.000782469188039283	0.0619213760157797	0.00546667337353641
PAAD	L3MBTL1	cg17774347	-0.0622851341979744	185	-0.830261854547895	0.407509201554691	0.00387943794205968	0.603716760788133
PAAD	L3MBTL1	cg18911945	-0.196947156185821	185	-2.67255589238327	0.00823097196178882	0.038788182329682	0.0367219265237942
PAAD	L3MBTL1	cg20091959	-0.278535482974428	185	-3.85836474390115	0.000159728939530955	0.0775820152757979	0.00143586238986262
PAAD	L3MBTL1	cg20252111	-0.197781374451799	185	-2.68433599840786	0.00795758652622777	0.0391174720800427	0.035789586993199
PAAD	L3MBTL1	cg20529070	-0.140616371653386	185	-1.88955345435377	0.0604526081089978	0.0197729639769631	0.165535029751192
PAAD	L3MBTL1	cg22330467	-0.175104652447005	185	-2.36617367601958	0.0190540872158587	0.0306616393085865	0.0700814931147707
PAAD	L3MBTL1	cg22457903	-0.188182970058359	185	-2.54915481233579	0.0116471836494937	0.0354128302199853	0.0480093787330424
PAAD	L3MBTL1	cg22601123	-0.00274201858485369	185	-0.0364803217328029	0.970940478994463	7.51866591968301e-06	0.98460978011693
PAAD	L3MBTL1	cg23626798	-0.175578121724665	185	-2.37277484893462	0.0187275344552559	0.0308276768283614	0.0691944818528702
PAAD	L3MBTL1	cg24343973	-0.0903449248857885	185	-1.20689661069807	0.229082436745845	0.00816220545261877	0.419058510447409
PAAD	L3MBTL1	cg02358112	-0.254778864449195	185	-3.50528917439447	0.000577847320050124	0.064912269770021	0.00423845506467842
PAAD	L3MBTL1	cg06235991	-0.140408770376583	185	-1.88670763552999	0.0608369866542639	0.019714622798664	0.166289046055367
PAAD	L3MBTL1	cg08053598	-0.233820142616949	185	-3.19946424445272	0.00163176327755605	0.0546718590934105	0.0100779130211333
PAAD	L3MBTL1	cg09993119	-0.144793236695057	185	-1.94686491520365	0.0531336560907235	0.0209650813926308	0.150823894107923
PAAD	L3MBTL1	cg12821546	-0.0850074443783547	185	-1.13505904504297	0.257885305140674	0.00722626559973906	0.452364865681606
PAAD	L3MBTL1	cg13843727	-0.131825621319345	185	-1.76926634808434	0.0785715166115672	0.0173779944362312	0.200305555489731
PAAD	L3MBTL1	cg14679202	-0.162636812510739	185	-2.19293884273176	0.0296157795680675	0.0264507327836533	0.0977318213166302
PAAD	L3MBTL1	cg15283028	-0.25081547577194	185	-3.44706871715955	0.000707981224083693	0.0629084028867046	0.00503443248138636
PAAD	L3MBTL1	cg19467356	-0.051336012776558	185	-0.683882971093623	0.494943416931124	0.00263538620779493	0.679968644743906
PAAD	L3MBTL1	cg24240981	-0.104879570201423	185	-1.40306995798604	0.162347725536953	0.0109997242456351	0.33300846280709
PAAD	L3MBTL1	cg26947834	-0.0174606457664035	185	-0.23233420219533	0.816546866135903	0.000304874150579824	0.90134724234376
PAAD	L3MBTL1	cg27177954	0.0239232963554855	185	0.318369875494101	0.750579725431303	0.000572324108512385	0.860202652739612
PAAD	L3MBTL1	cg03454037	0.294593731559196	185	4.10132067693818	6.25491239004776e-05	0.0867854666739714	0.000645436602296558
PAAD	L3MBTL1	cg07826275	-0.115975359465429	185	-1.55343423679003	0.122105638247856	0.0134502840031354	0.273913880193679
PAAD	L3MBTL1	cg08106148	-0.104052020596334	185	-1.39187740818645	0.165706057224037	0.0108268229901798	0.33786251644786
PAAD	L3MBTL1	cg08358392	-0.209653956762478	185	-2.85266306753059	0.00485197151389682	0.0439547815861629	0.0241988890852731
PAAD	L3MBTL1	cg09710740	-0.110627869577122	185	-1.48089797917294	0.140411663372091	0.0122385255271728	0.301946473269795
PAAD	L3MBTL1	cg10237990	-0.108108614889744	185	-1.44677097079898	0.149729699985085	0.0116874726133789	0.315255826584381
PAAD	L3MBTL1	cg16487825	-0.20430591623175	185	-2.77668172389784	0.00608299253780452	0.0417409074072948	0.0289945666004513
PAAD	L3MBTL1	cg16800851	-0.196951568929674	185	-2.67261818940555	0.00822950418829679	0.0387899205038601	0.0367174838738449
PAAD	L3MBTL1	cg18411550	-0.117437049003838	185	-1.5732849325873	0.117438641601149	0.0137914604787299	0.266838649591676
PAAD	L3MBTL1	cg18798995	-0.0936507613053105	185	-1.25144229407484	0.212424581057327	0.00877046509306425	0.398672115480294
PAAD	L3MBTL1	cg22934935	0.299243552273098	185	4.17236792764195	4.71752950018425e-05	0.0895467035770222	0.00050411411246328
PAAD	L3MBTL1	cg24516147	-0.13384152320807	185	-1.79681202308908	0.0740705074542061	0.0179135533346562	0.192104170871999
PAAD	LBR	cg01017344	-0.0814668740456354	185	-1.08746093141443	0.278311761002587	0.00663685156676742	0.475198304188474
PAAD	LBR	cg05530459	0.146943604943486	185	1.9764117158254	0.0496616834700949	0.0215924230337872	0.143556071784801
PAAD	LBR	cg12994003	-0.154927631609151	185	-2.08636927384809	0.0383785208434897	0.0240025710360208	0.118712471192781
PAAD	LBR	cg14607642	-0.116629007339955	185	-1.56230992785521	0.120001156391698	0.0136023253531033	0.270723833782901
PAAD	LBR	cg18107727	0.0456974611132039	185	0.608600967901611	0.543569207717721	0.00208825795219279	0.717862746497681
PAAD	LBR	cg18289048	-0.082163233262029	185	-1.09681919353668	0.274210420002066	0.00675079690007059	0.470683481284664
PAAD	LBR	cg18764107	0.0936397273919175	185	1.25129354503399	0.212478697337767	0.00876839854603262	0.39872887995072
PAAD	LBR	cg19322477	-0.039722784480134	185	-0.52889471132159	0.597541103938826	0.00157789960685517	0.758371062382815
PAAD	LBR	cg20483690	-0.371792991791834	185	-5.32834275638865	2.98655303938918e-07	0.138230028745523	5.79680407051502e-06
PAAD	LBR	cg26930584	-0.225827142689839	184	-3.0753807130202	0.00243797310637802	0.0509978983754567	0.0139435141771483
PAAD	MBD1	cg01719254	-0.130127137354727	185	-1.74607528891825	0.0825328476440843	0.0169330718761359	0.207550035546271
PAAD	MBD1	cg03841029	-0.300629974208267	185	-4.19361470068477	4.33291783175053e-05	0.0903783813924632	0.000468745667922683
PAAD	MBD1	cg05549078	-0.221964693837362	185	-3.02859744595802	0.00282447265138091	0.0492683253103139	0.0156908692386174
PAAD	MBD1	cg12090413	-0.222669331038613	185	-3.03871260124759	0.00273593930397197	0.0495816309851835	0.0153066999074574
PAAD	MBD1	cg13478031	-0.218263047220789	185	-2.97554135748396	0.00333359922938968	0.0476387577821043	0.0179197082954077
PAAD	MBD1	cg14389183	-0.274727724475015	185	-3.80128006641659	0.000197865683190915	0.07547532259522	0.00172110780895362
PAAD	MBD1	cg19328682	-0.308865105431599	184	-4.30820464662301	2.73149383404405e-05	0.0953976533532727	0.000314105059967327
PAAD	MBD1	cg21282183	-0.0983750048092711	185	-1.31517367620617	0.190152781424731	0.00967764157122412	0.370262952496884
PAAD	MBD2	cg15090185	0.0623487285836399	185	0.831112875286041	0.407029608817098	0.0038873639559964	0.603213026276215
PAAD	MBD2	cg16852837	-0.240257217119569	185	-3.29286482182777	0.00119745224387795	0.0577235303780396	0.00780561551916376
PAAD	MBD2	cg17987217	-0.0622837395194384	185	-0.830243191058851	0.407519723169598	0.00387926420852525	0.603720851315047
PAAD	MBD2	cg22224310	-0.198572461047907	185	-2.69551264315983	0.00770581514608382	0.039431022866226	0.0349305313862634

PAAD	MBD2	cg22836370	0.127309260174334	185	1.70763444503166	0.089457519460067	0.0162076477261362	0.219923469500583
PAAD	MBD2	cg23388714	-0.213940759711122	184	-2.90551740991064	0.00413738202545651	0.0457706486657722	0.021319699098388
PAAD	MBD2	cg24881765	-0.180570280614085	185	-2.44248062584029	0.0155693183239241	0.0326056262410492	0.0601091587936153
PAAD	MBD2	cg25192916	0.209461112639274	185	2.84991866474417	0.0048921496817449	0.0438739577080825	0.0243602312194625
PAAD	MBD3	cg08660999	-0.0717021062550191	185	-0.95639615579559	0.340176569195222	0.00514119204140605	0.539423836248383
PAAD	MBD3	cg09174855	0.157214860064332	185	2.11794555137007	0.035575748871909	0.0247165122250474	0.112220412283728
PAAD	MBD3	cg12286540	-0.35024684293071	185	-4.97485100208784	1.53766630259491e-06	0.122672850982929	2.49992084313622e-05
PAAD	MBD5	cg03890220	0.356911215706809	185	5.08318182882476	9.38160276953296e-07	0.127385615897312	1.62004973552286e-05
PAAD	MBD5	cg04152151	0.355804646389592	185	5.06513348779024	1.01917023537626e-06	0.126596946392423	1.73655203898452e-05
PAAD	MBD5	cg05218490	0.139137616840963	185	1.86928805769629	0.0632345632206377	0.0193592764201826	0.171045535854878
PAAD	MBD5	cg06394585	0.388086060077131	185	5.60223479576061	7.97269782747078e-08	0.150610790026191	1.7720801565436e-06
PAAD	MBD5	cg06758980	0.312481593663693	185	4.37645329861105	2.05745595830082e-05	0.0976447463786012	0.000245638012308248
PAAD	MBD5	cg20595490	0.295493587698599	184	4.10340407951226	6.21770694078813e-05	0.0873164603709894	0.000642364267930507
PAAD	MBD5	cg21412502	-0.232785916357081	185	-3.1844997532711	0.00171363730815537	0.0541892828542061	0.0104869965977532
PAAD	MBD5	cg23120335	-0.305082846847734	185	-4.26205320374442	3.28763059359776e-05	0.0930755434407181	0.000369112331358557
PAAD	MBD5	cg25686162	0.180756707112773	185	2.44508744928114	0.0154609730334771	0.0326729871662529	0.0597739258605664
PAAD	MBD5	cg26664634	-0.242164246933974	185	-3.32062321594985	0.00109082317315886	0.0586435224930987	0.00721410336926975
PAAD	MBTD1	cg01388767	-0.0567509874064077	184	-0.754102265173361	0.451795554834062	0.00322067457160224	0.64239990116905
PAAD	MBTD1	cg14577476	-0.22634068383409	185	-3.0914968546227	0.00231403021562169	0.0512301051584836	0.0133792394347138
PAAD	MBTD1	cg17045523	-0.172881327566925	185	-2.33519834002232	0.0206543653238479	0.0298879534213026	0.0746543556197288
PAAD	MBTD1	cg18711617	-0.0695783847954538	185	-0.927292050898724	0.354708011827121	0.00484115163074424	0.553640727108735
PAAD	MBTD1	cg22141797	-0.146432819289742	185	-1.96939076873188	0.050468825563598	0.0214425705651422	0.145273877595447
PAAD	MBTD1	cg25259117	-0.0138036692877968	185	-0.183663374060371	0.854487774057842	0.000190541285806866	0.922366369660406
PAAD	MBTD1	cg25716740	-0.174985803104959	185	-2.36451692848666	0.0191368287313012	0.0306200312882874	0.0703226478187457
PAAD	MBTD1	cg25855326	-0.11650430450107	185	-1.56061646641511	0.12040046008471	0.0135732529672781	0.271320824610076
PAAD	MBTD1	cg27207041	-0.0997331096063708	185	-1.33351131192024	0.184077628608871	0.00994669315175638	0.362440444872187
PAAD	MBTD1	cg27214721	-0.045283794895623	185	-0.603080369105452	0.547227200400623	0.00205062208014885	0.72061400277551
PAAD	MBTD1	cg27353579	-0.153942937737014	185	-2.07278572456915	0.0396412596905464	0.023698428079102	0.121694177671219
PAAD	MLLT10	cg00879184	-0.153700087177956	185	-2.06943664993026	0.0399580023445843	0.0236237167985113	0.122386426016559
PAAD	MLLT10	cg03524461	-0.142365628231746	185	-1.91354257451138	0.0572924452592069	0.0202679721018197	0.159189861646856
PAAD	MLLT10	cg04188362	-0.175585981184694	185	-2.37288444091255	0.0187221549827855	0.0308304367885918	0.0691811772541116
PAAD	MLLT10	cg05913198	0.00436357078741431	185	0.0580540862090663	0.953771034205997	1.90407500167756e-05	0.975527732878703
PAAD	MLLT10	cg06398735	-0.0613033784943055	185	-0.817125271034253	0.414955335760649	0.00375810421481608	0.610550676920939
PAAD	MLLT10	cg11443787	-0.100674577727249	185	-1.34622777591352	0.179950632548749	0.0101353706005599	0.356982774665239
PAAD	MLLT10	cg15910013	0.109938646878395	185	1.4715586022776	0.142915814596229	0.0120865060774523	0.305598880753663
PAAD	MLLT10	cg19119538	-0.0704556575297621	185	-0.939686761831414	0.348658851545006	0.00496399967795113	0.54779591018888
PAAD	MLLT10	cg20569108	0.174621233213904	185	2.35943552675746	0.0193925836869079	0.0304925750891448	0.0710878642606405
PAAD	MLLT10	cg23344688	0.00271521496441257	185	0.0361237187735482	0.971224417187838	7.37239230296998e-06	0.98474353297071
PAAD	MLLT10	cg26877631	-0.212405314174009	185	-2.89185629082572	0.00431010743090507	0.0451160174893594	0.0220418418011983
PAAD	MLLT10	cg27470303	0.0410231110479038	185	0.546236818336056	0.585591017610617	0.00168289564004865	0.750032395271499
PAAD	MLLT10	cg27572529	-0.0736270402887095	185	-0.982209930102795	0.327337096271546	0.00542094106167525	0.526828625134136
PAAD	MLLT6	cg05652455	-0.0983534225756224	185	-1.31488232504704	0.190250492155355	0.00967339573233895	0.370416127408492
PAAD	MORF4L	cg03589001	-0.12962355830243	185	-1.73920244794425	0.0837376979690621	0.0168022668669835	0.20967171379205
PAAD	MORF4L	cg07757959	0.122178772880468	185	1.63775271533215	0.103249827899236	0.014927652542577	0.243636772373003
PAAD	MORF4L	cg08692282	0.056501385324548	185	0.752904790622655	0.452507341055047	0.00319240654359305	0.642906695097002
PAAD	MORF4L	cg13747872	0.0549444719061299	185	0.732094548579093	0.465079114510581	0.00301889499304349	0.654301237992904
PAAD	MORF4L	cg15822222	-0.082106095125902	185	-1.09605126238346	0.274545395971539	0.00674141085682367	0.470996311849236
PAAD	MORF4L	cg20775702	-0.210987348245154	185	-2.87164837338775	0.00458217002429861	0.0445156611195219	0.023120076201212
PAAD	MORF4L	cg20905746	0.19926856231306	185	2.70535184990262	0.00749015460742028	0.0397079599263139	0.0341352716771912
PAAD	MORF4L	cg23623458	-0.191618230996094	174	-2.51544048084247	0.0128386332499614	0.0367175464500724	0.0518544538210632
PAAD	MORF4L	cg24795825	0.0613930223749078	184	0.816009744101935	0.415597582151957	0.00376910319632593	0.611206652663277
PAAD	MPHOSF	cg00331616	0.148874568289175	183	1.99161985746226	0.0479683280271564	0.0221636370832881	0.1399822983924
PAAD	MPHOSF	cg03134886	-0.0136719095524403	185	-0.18190992842991	0.855861574039017	0.000186921110810108	0.923330878485206
PAAD	MPHOSF	cg03428000	0.0915434200216268	185	1.22304143666486	0.222939921169928	0.00838019774925598	0.41163430630369
PAAD	MPHOSF	cg04203901	0.137176825218356	185	1.84243629184662	0.067084253721193	0.0188174813769874	0.178715676552036
PAAD	MPHOSF	cg06019692	0.0245036415628315	185	0.326097661742381	0.744735692580737	0.000600428449839724	0.85657211982533
PAAD	MPHOSF	cg09559995	-0.0728294008036093	185	-0.971512092863779	0.332619081925811	0.00530412162141277	0.53233301462877

PAAD	MPHOSF	cg11051893	0.1701844913823	185	2.29767538465099	0.0227502726111797	0.0289627611070522	0.0802675564943732
PAAD	MPHOSF	cg19693579	0.00173958017924139	185	0.0231436440364813	0.981561762372104	3.02613920000951e-06	0.990504927553699
PAAD	MPHOSF	cg20759595	0.0130827165896369	185	0.174069120946482	0.862010069152706	0.00017115747336476	0.926718599812962
PAAD	MPHOSF	cg20952532	-0.0283894269069708	185	-0.377849055724355	0.705995455364383	0.000805959560106236	0.832306032227326
PAAD	MPHOSF	cg21958444	0.0361339575653607	185	0.481045182532959	0.631078500323179	0.00130566288933529	0.78228916063772
PAAD	MPHOSF	cg22656705	-0.0430447059403795	185	-0.573203841398336	0.567234199495115	0.00185284670949374	0.735954548731941
PAAD	MSH6	cg00620552	0.224013981429929	185	3.05802914763721	0.00257393489924898	0.0501822638760885	0.0145647869909933
PAAD	MSH6	cg02905881	0.0299112941358173	185	0.398122022961101	0.691020030260479	0.000894685516879379	0.822441017610631
PAAD	MSH6	cg05039065	-0.0612291682113447	185	-0.816132382387324	0.415521406856933	0.00374901103985315	0.611117729937201
PAAD	MSH6	cg07652213	-0.129526194288899	185	-1.73787378311692	0.083972269612947	0.0167770350069655	0.210157596907399
PAAD	MSH6	cg09898070	0.190048408944321	185	2.57536640321932	0.0108302828639352	0.036118397742268	0.0453781798998648
PAAD	MSH6	cg11869233	-0.108014222398907	184	-1.44140374137681	0.151247528483746	0.0116670722404406	0.317507303772086
PAAD	MSH6	cg16595246	-0.168069989690147	185	-2.26829208890172	0.0245193925339783	0.0282475214344463	0.0849497471625684
PAAD	MSH6	cg18222961	-0.0444101544939782	185	-0.591422184789853	0.554992145178388	0.00197226182217901	0.726559284834537
PAAD	MSH6	cg19076255	-0.0416250883933116	185	-0.554266164953088	0.580096317963913	0.00173264798375101	0.745955711276495
PAAD	MSH6	cg19736286	0.225194530866273	185	3.07500345829434	0.00243892564039863	0.0507125767320809	0.0139469112958814
PAAD	MSH6	cg21405109	0.0436061053939838	185	0.580693854897943	0.562185416807819	0.00190149242763122	0.732463319016354
PAAD	MTA1	cg01318265	-0.0766860710059196	185	-1.02325500966722	0.307583759577441	0.00588075348632494	0.50608428317014
PAAD	MTA1	cg01655777	-0.00116448813659033	185	-0.0154925175248675	0.987656702981788	1.35603262025963e-06	0.993403050679629
PAAD	MTA1	cg05922925	-0.0332691959246661	185	-0.44286302077734	0.658405572959835	0.00110683939747382	0.801226448024112
PAAD	MTA1	cg13052453	-0.268172332330418	185	-3.70345483869472	0.000283997850840616	0.0719163998275363	0.00233470662668233
PAAD	MTA1	cg13981078	-0.307238207004132	185	-4.29529033773695	2.87174997280772e-05	0.0943953158431139	0.000328102390049352
PAAD	MTA1	cg16531924	-0.00771477677208887	185	-0.102641483864854	0.918363710964257	5.9517780643162e-05	0.956976694729708
PAAD	MTA1	cg20222911	0.0458530333488106	185	0.610677244326793	0.542196632983046	0.00210250066728714	0.716905634953331
PAAD	MTA1	cg21517792	-0.153269958945228	185	-2.0635058307276	0.0405242301434295	0.0234916803150719	0.123537049248715
PAAD	MTA1	cg23123838	0.115449419906772	185	1.54629414503158	0.123819625050431	0.0133285685568102	0.276648206387468
PAAD	MTA1	cg23883989	0.0474375386981933	185	0.631826711029856	0.528315320075433	0.0022503200774258	0.706751162866172
PAAD	MTA1	cg23966123	-0.00043147475923287	185	-0.0057403988489537	0.99542631422007	1.86170467855066e-07	0.997653969898295
PAAD	MTA2	cg00501779	-0.00622479678658366	185	-0.0828171394204962	0.934090523408958	3.87480950342622e-05	0.964983263115246
PAAD	MTA2	cg07654871	-0.0146363731832058	185	-0.194745140887489	0.845815821560018	0.000214223419958066	0.917678670364008
PAAD	MTA2	cg09086761	0.0433795216721869	185	0.577670780798476	0.564220539588476	0.00188178290050773	0.73394623838137
PAAD	MTA2	cg13708959	-0.189002102245387	185	-2.56066103234297	0.0112820272851169	0.0357217946531757	0.0468417585855999
PAAD	MTA2	cg19570317	-0.0496602100720035	185	-0.661502304803844	0.509150444651051	0.00246613646439552	0.691636319420589
PAAD	MTA2	cg21002970	-0.114469505185204	185	-1.53299445220178	0.127062660516532	0.0131032676173454	0.281760236366886
PAAD	MTF2	cg05396182	-0.0944606192166646	185	-1.26236132519099	0.208479511169241	0.0089228085827957	0.393699601696807
PAAD	MTF2	cg05962718	-0.244143085058162	185	-3.34947006679393	0.00098944377164705	0.0596058459817172	0.00665681819350606
PAAD	MTF2	cg09936581	0.005811385955656	185	0.0773167671124009	0.938458882038569	3.37722067255958e-05	0.967114020179211
PAAD	MTF2	cg11404133	0.023927610421692	185	0.318427319728913	0.750536230245762	0.000572530540492266	0.860191456542552
PAAD	MTF2	cg14474880	-0.165758184543255	185	-2.23620390112757	0.0265875916473434	0.0274757757430757	0.0902226872241409
PAAD	MTF2	cg15463775	-0.260911088520021	185	-3.59574259348571	0.000419348109399306	0.0680745961127025	0.00322968483426719
PAAD	MTF2	cg16813892	-0.0472538090704237	185	-0.629374105238239	0.529915665723936	0.00223292247166406	0.708016475729118
PAAD	MTF2	cg19708337	0.006775690269927	185	0.090146765348901	0.928272515839292	4.59099786339834e-05	0.962135366888748
PAAD	MTF2	cg22801127	0.0638166260635221	185	0.850759140955725	0.396052599367757	0.00407256176213141	0.592749300971841
PAAD	MTF2	cg23992808	-0.102552881330781	184	-1.36772899153396	0.173140820184561	0.0105170934692452	0.348026380172543
PAAD	MTF2	cg26054395	-0.175605701540709	185	-2.37315942278305	0.0187086631218979	0.0308373624136045	0.0691378907845196
PAAD	NAP1L2	cg02379437	-0.301625390223474	174	-4.07600505695682	7.08950781476358e-05	0.0909778760274629	0.000717006202472332
PAAD	NAP1L2	cg04297329	-0.252713711839432	185	-3.47492965659198	0.000642611853581133	0.0638642201516637	0.00463784641780227
PAAD	NAP1L2	cg07693661	-0.385225559188229	162	-5.18032855133861	6.84257696424169e-07	0.148398731451884	1.22089778063353e-05
PAAD	NAP1L2	cg20001978	-0.271515872651465	182	-3.72133620002951	0.00026727142521073	0.0737208691016864	0.00221640691321218
PAAD	NAP1L2	cg23483095	-0.339622005992512	185	-4.80391177764219	3.30339710742877e-06	0.115343106954378	4.92590520558393e-05
PAAD	NCOA1	cg11380327	-0.0191945626183983	185	-0.255414102100272	0.798699836608624	0.000368431234111614	0.890032446020417
PAAD	NCOA1	cg13911252	0.1205903052338	185	1.61614369647967	0.107844214048296	0.0145420217163812	0.251450106029467
PAAD	NCOA1	cg15477048	0.00107635433161107	185	0.0143199713031226	0.988590834615083	1.15853864717792e-06	0.993976674970026
PAAD	NCOA1	cg23006163	-0.210910513803685	185	-2.87055392279409	0.00459734320657899	0.0444832448329343	0.023182368687888
PAAD	NCOA3	cg04175879	-0.118113257047559	185	-1.58247177756163	0.115327109571336	0.0139507414903827	0.263402302755775
PAAD	NCOA3	cg09568061	-0.0974079077349603	185	-1.30212010164253	0.194567245591636	0.00948830048930254	0.375960365214996
PAAD	NCOA3	cg12128876	0.0369510148886186	185	0.491937233950226	0.623373266427245	0.00136537750129892	0.776847415113193

PAAD	NCOA3	cg14341558	0.095146819837087	185	1.27161510644268	0.205178249613684	0.00905291732511108	0.38944466222623
PAAD	NCOA3	cg14774045	-0.0490605249105604	185	-0.653494765204659	0.514285393759644	0.00240693510449971	0.695833137766105
PAAD	NCOA3	cg18295930	0.0324554837244334	185	0.432019722840257	0.666252903328566	0.00105335842378696	0.806357294561381
PAAD	NCOA3	cg21735648	0.189724823294306	185	2.57081758257051	0.0109682579802135	0.0359955085740555	0.0458181332777437
PAAD	NCOA3	cg22511723	-0.0670822576166236	185	-0.894486267526866	0.372276481467012	0.00450002928694306	0.570928991924353
PAAD	NCOA3	cg22876277	0.0863144580379659	185	1.15264089740008	0.250612115970148	0.00745018566638778	0.444303961582474
PAAD	NCOA3	cg24856420	0.091657594222593	185	1.22457974607628	0.222360912821973	0.00840111457867351	0.41094561818959
PAAD	NCOA3	cg25373408	0.0656425716639962	185	0.875205257447778	0.382648318124843	0.00430894721466287	0.580941945016978
PAAD	NCOR1	cg00253204	0.2566890777963	185	3.53341660323933	0.000523360250696926	0.0658892826599149	0.00389647692053944
PAAD	NCOR1	cg08125503	-0.0444839398144321	185	-0.59240675076519	0.554334279912905	0.00197882090141402	0.726037810274798
PAAD	NCOR1	cg08206308	-0.00437350767608028	185	-0.0581862916988588	0.953665877132175	1.91275693927332e-05	0.975491579460479
PAAD	NCOR1	cg21211144	0.123473101779786	185	1.65536980050477	0.0996214636730937	0.0152456068631213	0.237622079693768
PAAD	NCOR1	cg22291359	-0.0387329542339354	185	-0.515695419381344	0.606710698465253	0.00150024174368814	0.764989472223438
PAAD	NCOR1	cg22625220	0.0228617348834357	185	0.304235116255693	0.761306153384302	0.000522658921880499	0.867283430417912
PAAD	NCOR2	cg08976554	-0.319875344115591	185	-4.49165800483268	1.27184097335093e-05	0.102320235773068	0.000161563678446868
PAAD	NCOR2	cg10641483	0.00676609498518133	185	0.0900190996090495	0.928373820393541	4.5780041348496e-05	0.962163451329503
PAAD	NCOR2	cg13416396	-0.0603016506924153	185	-0.803723900236834	0.422634514376676	0.00363628907623007	0.617736912133983
PAAD	NCOR2	cg13419087	-0.289187547809714	185	-4.01911707496357	8.63046186560986e-05	0.0836294378081957	0.000847510919431019
PAAD	NCOR2	cg13857025	-0.124742220411252	185	-1.67265207885684	0.0961624287639065	0.0155606215531293	0.231569725530393
PAAD	NCOR2	cg16181859	-0.0998240809370251	185	-1.33473990844943	0.183675842267245	0.00996484713492174	0.361926959186799
PAAD	NCOR2	cg19895345	-0.240439243411006	185	-3.29551261146874	0.00118687701709514	0.0578110297720569	0.00774531588523609
PAAD	NCOR2	cg23611643	-0.191262815825391	185	-2.59244576613842	0.0103260135520108	0.0365814647174575	0.0436942997213943
PAAD	NCOR2	cg24626542	-0.172945172671085	185	-2.33608731349071	0.0206068400553526	0.0299100327502315	0.0745249151204299
PAAD	NCOR2	cg25113767	-0.275558512388317	185	-3.81371833880247	0.000188884895981777	0.0759324937496622	0.00165418345131221
PAAD	NCOR2	cg25449924	-0.194422986255008	185	-2.63694841160339	0.0091096147457987	0.0378002975843149	0.039699365275596
PAAD	ORC1	cg00298020	-0.0279186523259904	185	-0.37157835288259	0.710651235220286	0.000779451147699532	0.835218811306962
PAAD	ORC1	cg02275620	0.0449081043967268	185	0.59806684620685	0.550559810185527	0.00201673784050732	0.723135964888518
PAAD	ORC1	cg04407474	0.0539509192833618	185	0.718817190660229	0.473201434384972	0.00291070169151982	0.661257991495321
PAAD	ORC1	cg07142859	-0.0106014094822601	185	-0.141050506263402	0.887990442638931	0.000112389883010555	0.940457000226714
PAAD	ORC1	cg08613513	0.0386571870746168	185	0.51468513467531	0.607415152672888	0.00149437811252192	0.765458018321692
PAAD	ORC1	cg10586599	-0.010994562219756	185	-0.146281978270447	0.883865260798673	0.000120880398404086	0.938451652111697
PAAD	ORC1	cg13460942	0.0666297726754804	185	0.888425758976768	0.375517514767676	0.0044395266067862	0.574082647169086
PAAD	ORC1	cg16136434	0.0156665919817888	185	0.208456033461179	0.835112593237737	0.000245442104323848	0.911708382474089
PAAD	ORC1	cg16965475	-0.086999045148908	185	-1.16185230011747	0.246859769397731	0.00756883385682173	0.440049698689927
PAAD	ORC1	cg17146111	-0.0709976632048631	185	-0.946952125240708	0.344954175535444	0.00504066818055117	0.544184396236374
PAAD	ORC1	cg19776520	0.0266308172630162	185	0.354425681635863	0.723441785784984	0.000709200428096163	0.84326516211296
PAAD	ORC1	cg21197365	-0.0371576073836729	185	-0.494691438774419	0.621431415061935	0.00138068778647918	0.77569678171297
PAAD	ORC1	cg23606758	0.00954251716646021	185	0.126960714347821	0.899115606934893	9.10596338721879e-05	0.946761590247474
PAAD	ORC1	cg25605769	0.0448626145800365	185	0.597459809992768	0.550964004564317	0.0020126541869569	0.723440744190871
PAAD	PADI1	cg14524955	-0.496357823580783	185	-7.60681281493649	1.59535203601985e-12	0.246371089029852	8.79580554855619e-11
PAAD	PADI1	cg21010178	0.198237431771771	185	2.69077860812642	0.00781156449055335	0.0392980793554676	0.0352878954751819
PAAD	PADI1	cg22193702	-0.602990942246025	185	-10.0561485428223	4.19871938231228e-19	0.363598076430749	5.1116615904163e-17
PAAD	PADI2	cg00569276	-0.168168948874832	185	-2.26966651188321	0.0244340355602055	0.0282807953656658	0.0847332662760498
PAAD	PADI2	cg01603374	-0.139816196385174	185	-1.87858596770371	0.0619452076145188	0.0195485687716174	0.168536546747941
PAAD	PADI2	cg07014827	-0.135904614985813	181	-1.80428642365481	0.0729258492068684	0.018470064374442	0.189980360096414
PAAD	PADI2	cg09313801	-0.137991141858305	185	-1.853585128676	0.0654628681532549	0.0190415552313587	0.175486504655903
PAAD	PADI2	cg10233913	-0.222155849585406	185	-3.0313410165097	0.00280020224366797	0.0493532215050134	0.0155844136030839
PAAD	PADI2	cg15185794	-0.137964043125465	185	-1.85321405750216	0.0655163043479357	0.019034077195525	0.17557704524773
PAAD	PADI2	cg17183414	-0.120862641268418	185	-1.61984757133609	0.107045325406088	0.0146077780543783	0.250082105908321
PAAD	PADI2	cg18228326	-0.150542186843683	185	-2.02592177470061	0.0442742638098131	0.0226629500196783	0.132009968143061
PAAD	PADI2	cg18879300	-0.168432444684036	185	-2.27332649338101	0.0242080019181	0.0283694884222408	0.0841294304765099
PAAD	PADI2	cg19282714	-0.137284584232809	185	-1.84391140507634	0.0668678314073204	0.0188470570679751	0.178282132994074
PAAD	PADI3	cg01459162	-0.00300463527433239	185	-0.039974252841869	0.968158706196484	9.0278331317625e-06	0.983312139983066
PAAD	PADI3	cg12858514	-0.401005578435574	185	-5.82379026577172	2.65567659399922e-08	0.160805473936449	6.63867946508918e-07
PAAD	PADI3	cg14664242	-0.151489226702611	185	-2.03896495772117	0.0429406821405896	0.022948985806955	0.128952998511678
PAAD	PADI3	cg17589397	0.0143389237739095	185	0.190786587599894	0.848911452907025	0.000205604734993986	0.919420426650447
PAAD	PADI3	cg18768338	-0.21135952218773	185	-2.87695050872978	0.00450930809959631	0.0446728476194255	0.0228220099082685

PAAD	PADI3	cg21966975	-0.209255016490291	185	-2.8469860542306	0.00493541847758875	0.043787661926352	0.0245260507024137
PAAD	PADI4	cg16091981	-0.080435728883289	185	-1.07360647399891	0.28446056605744	0.00646990648098598	0.481772900714969
PAAD	PADI4	cg18333690	-0.14617214898964	185	-1.96580837503243	0.0508849181100281	0.0213662971402494	0.146145183277652
PAAD	PADI4	cg19159961	0.24200008301844	182	3.28999128582261	0.00121280228203261	0.0585640401809321	0.00788869069635824
PAAD	PADI4	cg21295838	-0.164794780956723	184	-2.21655483457769	0.02793500148631	0.0271573198305742	0.0936431036164087
PAAD	PADI4	cg23228178	0.188658564582745	185	2.55583473996608	0.0114339256020844	0.0355920539904216	0.0473511210161595
PAAD	PADI4	cg26918754	-0.145885470591242	185	-1.96186903494596	0.0513458110392272	0.021282570529628	0.1471074308871
PAAD	PADI6	cg12643633	-0.129413009254804	185	-1.73632928313287	0.0842456202325508	0.0167477269643839	0.210645189482565
PAAD	PADI6	cg16017904	-0.0963013344516669	185	-1.28718848662749	0.199709281918091	0.00927394701717181	0.382556720125931
PAAD	PARP1	cg00653565	0.0751938562906552	185	1.0032294004983	0.317119721448303	0.00565411602385971	0.516368293920574
PAAD	PARP1	cg02088626	-0.0363742577974567	185	-0.484248482571488	0.628808176621574	0.00132308663031584	0.78079365520261
PAAD	PARP1	cg03149313	0.185120303465646	185	2.50618264899556	0.0131062006734304	0.0342695267552129	0.0526551611209148
PAAD	PARP1	cg04960271	0.0928558085929819	185	1.24072666203832	0.216348762151546	0.0086222011894565	0.403593007597174
PAAD	PARP1	cg07113065	-0.131462420639079	185	-1.76430588929205	0.0794054447416053	0.0172823680402861	0.201929279395963
PAAD	PARP1	cg17661881	-0.0474967582028454	185	-0.632617245556987	0.527800019326824	0.00225594203977956	0.706317415058441
PAAD	PARP1	cg25722198	-0.0510433580470204	185	-0.679974099061599	0.497409237070719	0.00260542440071632	0.68181016648482
PAAD	PARP1	cg26464410	-0.0194860115465216	185	-0.259293754491412	0.795709922051505	0.000379704645991174	0.88817907416999
PAAD	PARP2	cg01813761	-0.21742502998527	177	-2.89580158222053	0.00428201971769071	0.0472736436640954	0.0219356935281201
PAAD	PARP2	cg10910545	-0.142905512256524	185	-1.92095017115429	0.0563450716026581	0.0204219854332996	0.157350342831503
PAAD	PARP2	cg15078479	-0.316438559267607	185	-4.43799650818241	1.59301791660738e-05	0.100133361791359	0.000196242653688922
PAAD	PARP2	cg15365367	-0.0620386082654368	185	-0.826962937785564	0.409371514681698	0.00384878891551232	0.605366533994635
PAAD	PARP2	cg18899035	-0.0469175455429837	168	-0.594119489380558	0.553271297095668	0.00220125607977795	0.725273979327693
PAAD	PARP2	cg19540080	-0.0642054343250511	185	-0.855963854531528	0.393175042155109	0.00412233779686845	0.589999247751833
PAAD	PARP2	cg24595957	-0.0362174683531646	185	-0.482158405871666	0.630289108990036	0.00131170501391248	0.781821400356701
PAAD	PARP2	cg26206608	0.0995556176727622	185	1.33111432455208	0.184863400972124	0.00991132101020521	0.363410997781958
PAAD	PARP2	cg26430074	-0.0131417216119263	185	-0.174854334205293	0.86139394503241	0.000172704846925372	0.926352474973454
PAAD	PAXIP1	cg02824291	0.0893665610750799	185	1.19372107771601	0.234184540645003	0.00798638223838598	0.42513131297546
PAAD	PAXIP1	cg12220104	0.0286407075503507	185	0.381196208847624	0.70351483208977	0.000820290128984716	0.830604505008596
PAAD	PAXIP1	cg22583711	0.105455400453834	185	1.41085975869224	0.160041131774819	0.0111208414848785	0.329798940565554
PAAD	PAXIP1	cg24448952	-0.136434820530757	185	-1.83228079610852	0.0685900571369402	0.0186144602532599	0.181622754515509
PAAD	PAXIP1	cg24452135	0.101907538183495	185	1.36288697449758	0.174649493700343	0.0103851463386206	0.350045929636845
PAAD	PCGF1	cg03203239	-0.0756628334595203	185	-1.00952236475763	0.314102239370109	0.0057248643671231	0.513185616107089
PAAD	PCGF1	cg08092637	-0.172873486884652	185	-2.33508916916219	0.020660208329112	0.0298852424676578	0.0746650676742052
PAAD	PCGF1	cg27306986	-0.0619745339103344	185	-0.826105543909217	0.409856367602007	0.00384084285340319	0.605798112578479
PAAD	PCGF2	cg09395368	0.0203147374403431	185	0.270325789149197	0.787224568569182	0.000412688557270079	0.882796345604436
PAAD	PCGF2	cg17902383	-0.059618581462516	185	-0.794587025416868	0.427917875833438	0.00355437525560265	0.6221852378507
PAAD	PCGF2	cg20228512	-0.0708743746073359	185	-0.945299418405483	0.345794673578002	0.00502317697598098	0.54504533278835
PAAD	PCGF2	cg25377665	-0.0538951761578888	185	-0.718072330232522	0.473659417008245	0.00290469001308986	0.661661100026823
PAAD	PCGF5	cg03905463	-0.0084502597246693	185	-0.112427407707622	0.910611927304706	7.14068894143681e-05	0.952639039734573
PAAD	PCGF5	cg06001881	0.0666393216584332	185	0.888553650776589	0.375448939880148	0.00444079919109612	0.574040037493458
PAAD	PCGF5	cg07421809	0.0761653611279526	185	1.01626627391192	0.310889738361156	0.00580116223575143	0.50977519623603
PAAD	PCGF5	cg07424295	0.0896217089199469	185	1.19715679227137	0.232846331010626	0.00803205070973168	0.42359843163398
PAAD	PCGF5	cg08633154	0.129136689403423	185	1.73255896838431	0.0849159539065004	0.0166762845500761	0.211912607647717
PAAD	PCGF5	cg11113644	-0.0722263289502973	185	-0.963425016746227	0.33664865971223	0.00521664259363656	0.536280246414522
PAAD	PCGF5	cg12783297	0.108743511665408	185	1.45536889551288	0.147338444648761	0.0118251513293247	0.312053660462401
PAAD	PCGF5	cg15550435	-0.340508346601766	185	-4.81809082031025	3.10256441236524e-06	0.115945934105468	4.65767012669597e-05
PAAD	PCGF5	cg17001035	0.139011210413421	185	1.86755633151007	0.0634771585004244	0.0193241166206043	0.171510908182204
PAAD	PCGF5	cg20515900	-0.0930791388047503	185	-1.24373681777583	0.215241132687864	0.00866372608063398	0.402269517749422
PAAD	PCGF5	cg22968329	-0.0625505451706427	185	-0.833813654326858	0.405509834864999	0.00391257070114461	0.60187800914826
PAAD	PCGF5	cg23395902	0.0132276150336302	185	0.175997369895448	0.860497204679814	0.000174969799477919	0.92588547082796
PAAD	PCGF5	cg25390656	0.329580170952319	185	4.64426526902596	6.63391177920088e-06	0.10862308908496	9.11638461316292e-05
PAAD	PCGF6	cg01917164	-0.0381972938041246	185	-0.508553075126788	0.611698807143812	0.00145903325395861	0.768624020063116
PAAD	PCGF6	cg06691148	0.0472882850461699	185	0.629834319961866	0.529615182554786	0.00223618190260782	0.707744597445438
PAAD	PCGF6	cg11612727	0.215545877824945	185	2.93668187408783	0.00375855903938649	0.0464600254473261	0.019748008087875
PAAD	PCGF6	cg11814370	-0.287395489774406	185	-3.99196115336347	9.58876622907106e-05	0.0825961675426707	0.00092895202991825
PAAD	PCGF6	cg14409890	-0.174160351290021	185	-2.35301315303314	0.0197201377598213	0.0303318279614636	0.0720475459957515
PAAD	PCGF6	cg16113748	-0.0252345134193568	185	-0.335830307661439	0.737396583014562	0.0006367806675117	0.852122500520239

PAAD	PCGF6	cg16382383	0.0386459222310535	185	0.514534929207423	0.607519919800225	0.00149350730508864	0.765495937263788
PAAD	PCGF6	cg24418712	-0.0582478531301623	185	-0.776255246837588	0.43863433220604	0.00339281239427296	0.631325055312428
PAAD	PCGF6	cg25481680	-0.0429400050426388	185	-0.57180701562124	0.56817817394386	0.00184384403306184	0.736762688045945
PAAD	PCGF6	cg26155979	0.0355868226820836	185	0.473751962331368	0.636260623739281	0.00126642194860606	0.785945234259164
PAAD	PCGF6	cg27217148	0.157305246363304	185	2.11919409126344	0.0354686429548297	0.0247449405334196	0.111950647544448
PAAD	PHC1	cg02770112	-0.0375434797492884	185	-0.499835898311357	0.617811435438781	0.00140951287168523	0.772999594836023
PAAD	PHC1	cg08021945	-0.150548640482947	185	-2.02601063861155	0.0442650601206377	0.0226648931512637	0.132000507852909
PAAD	PHC1	cg08867249	0.0915875473712052	185	1.22363597429037	0.222716012705357	0.00838827883347276	0.411397373746245
PAAD	PHC1	cg09059548	-0.224669275295653	185	-3.06744941255933	0.00249818058818353	0.0504762832618739	0.0142315865225488
PAAD	PHC1	cg09912793	-0.034205204672055	185	-0.455337099506857	0.649424796050658	0.00116999602665717	0.794962468294469
PAAD	PHC1	cg12581035	-0.00997755063259938	185	-0.132749285409577	0.894542458412325	9.95515166260843e-05	0.944028921939992
PAAD	PHC1	cg14199415	0.0722240988488009	185	0.963395113496318	0.336663618237502	0.00521632045452137	0.536293093561475
PAAD	PHC2	cg06899053	0.124625352576469	185	1.67106027878171	0.0964769185215853	0.0155314785048093	0.232140218349825
PAAD	PHC2	cg13640100	0.0107954668066865	185	0.143632714371781	0.885953899925273	0.000116542103574269	0.939518082566
PAAD	PHC2	cg15586632	0.0473942307934593	185	0.631248588267265	0.528692326224529	0.00224621311250368	0.707086334628071
PAAD	PHC2	cg16558908	-0.195699138326724	185	-2.65494373368972	0.00865552949697888	0.0382981527418222	0.0381585607257311
PAAD	PHC2	cg17161743	0.0470482413594086	185	0.626630058870422	0.53170911879981	0.00221353701501316	0.709328449221669
PAAD	PHC2	cg19746874	0.0882261882801323	185	1.17836817854912	0.240231623076188	0.00778386029844135	0.432165823827328
PAAD	PHC2	cg21198021	0.166302338439437	185	2.24375340173834	0.0260877887780756	0.0276564677704252	0.088965169218026
PAAD	PHC2	cg21578869	-0.00425348049483631	185	-0.0565893893412794	0.954936117152765	1.8092096319953e-05	0.976013615074523
PAAD	PHC2	cg23886755	-0.134733191709739	185	-1.80900317742947	0.0721474299343252	0.0181530329482932	0.188425728146873
PAAD	PHF1	cg01097444	0.0841201041763751	185	1.12312597876333	0.262905066603469	0.0070761919266442	0.458279188002967
PAAD	PHF1	cg02776641	0.141120170385109	185	1.89646063521263	0.0595281064354573	0.0199149024895222	0.163741583820468
PAAD	PHF1	cg03560363	-0.187580802036388	185	-2.54069977245984	0.0119222119124887	0.0351865572926146	0.0488968566475598
PAAD	PHF1	cg03876174	0.0825635526140026	185	1.10219975365804	0.271871288027151	0.00681674022024517	0.468209399202697
PAAD	PHF1	cg06618123	-0.112712658632258	185	-1.50916133474868	0.133040544096093	0.012704143415952	0.290752307442283
PAAD	PHF1	cg06919790	-0.0915533352793821	185	-1.22317502651164	0.222889595830524	0.00838201320077895	0.41160977111617
PAAD	PHF1	cg07857404	0.0130724663055847	164	0.16328900459913	0.870502236339509	0.000170889375310647	0.93126169045019
PAAD	PHF1	cg08665801	-0.141525663174393	185	-1.90202111368802	0.0587924777753296	0.0200295133369518	0.162212464480612
PAAD	PHF1	cg08798692	0.117293116871101	185	1.57132978252918	0.117891944645118	0.0137576752653378	0.267493610853477
PAAD	PHF1	cg10033570	-0.0872643111540422	185	-1.16542200902543	0.24541634144584	0.00761506000118949	0.438313629618219
PAAD	PHF1	cg10797813	0.0178808051067882	185	0.237926677986445	0.812213164416811	0.000319723191266942	0.898795318814245
PAAD	PHF1	cg13303256	-0.288569809543712	184	-3.99840797732336	9.37174604569591e-05	0.083272534980094	0.000911218112584511
PAAD	PHF1	cg13528777	-0.0481480094739581	185	-0.641311388597499	0.522149940321385	0.00231823081630436	0.702005296257744
PAAD	PHF1	cg13547657	-0.064653846138363	185	-0.86196692676624	0.389872001975334	0.00418011982048312	0.587420324575462
PAAD	PHF1	cg18443095	-0.00748337350307123	185	-0.0995625968982194	0.920804263474047	5.60008789864685e-05	0.95844267213503
PAAD	PHF1	cg20135607	0.00142467204400635	185	0.0189540480060223	0.984899112204219	2.02969043297324e-06	0.992066002885009
PAAD	PHF1	cg20872639	-0.118266620327448	185	-1.58455565454364	0.114852359643265	0.0139869934836766	0.262703962426513
PAAD	PHF1	cg23345642	0.0404820445665651	185	0.539020427011588	0.590550086709428	0.00163879593228936	0.753449822082405
PAAD	PHF1	cg23718418	0.0266608241733716	185	0.354825323155596	0.723142873029727	0.000710799545603434	0.843117568857901
PAAD	PHF1	cg24796663	0.0223216507730693	184	0.296203963171423	0.767423541657625	0.000498256093234866	0.871163449049525
PAAD	PHF1	cg26673053	-0.0748654206833999	185	-0.998822690288127	0.319244119134597	0.00560483121410244	0.518610294502
PAAD	PHF10	cg04353997	0.0392600364481716	185	0.522723818715445	0.601820142467381	0.00154135046191176	0.761355919297486
PAAD	PHF10	cg05243705	0.15333643037795	185	2.06442229291047	0.0404362879511528	0.0235120608810518	0.123341459569949
PAAD	PHF10	cg05736120	0.012857775395635	185	0.171075746187746	0.864359619113251	0.000165322443256903	0.927979230804612
PAAD	PHF10	cg07652237	0.367636400799382	185	5.25940217727001	4.13565851239391e-07	0.135156523192724	7.77499802593456e-06
PAAD	PHF10	cg11442717	0.124351107947683	185	1.66732520303458	0.0972181107246115	0.0154631980478164	0.233324665444266
PAAD	PHF10	cg15342139	0.136530651494371	185	1.83359221576101	0.0683940451545411	0.0186406187974774	0.181275520300475
PAAD	PHF10	cg15360169	-0.213572765213258	185	-2.90850838733641	0.00409710742111935	0.0456133260408374	0.021145782174654
PAAD	PHF10	cg16740543	0.0530528435647046	185	0.706817583557958	0.480609309069873	0.00281460421030101	0.667867394116987
PAAD	PHF10	cg27124293	-0.176847149531008	185	-2.39047620042767	0.0178761162381782	0.0312749142972426	0.0667845452928414
PAAD	PHF11	cg00092518	-0.3271223442206	185	-4.60546311989747	7.83926894312649e-06	0.10700902808838	0.000105692909560066
PAAD	PHF11	cg01214340	-0.363147464544897	185	-5.18535850929689	5.84803643525246e-07	0.131876081005387	1.06220440449225e-05
PAAD	PHF11	cg02289189	-0.175951687668794	185	-2.37798435474139	0.0184733217712935	0.0309589963934967	0.0684698458180954
PAAD	PHF11	cg05080330	-0.191312067999009	185	-2.59313870658074	0.0103060066693921	0.0366003073620576	0.0436204407796776
PAAD	PHF11	cg09997676	-0.398399580140713	185	-5.77877516196685	3.32756845801635e-08	0.158722225456297	8.09965145878986e-07
PAAD	PHF11	cg16956501	-0.321750826456026	185	-4.52102462309497	1.12347163861939e-05	0.103523594325136	0.000145013029126858

PAAD	PHF11	cg21320768	-0.399051487207128	185	-5.79002029191368	3.14559403528389e-08	0.159242089442221	7.70977764274969e-07
PAAD	PHF11	cg23137039	-0.268523916445811	185	-3.70868724483548	0.000278610727914866	0.0721050937033968	0.00229648685817007
PAAD	PHF11	cg24481868	-0.323005435940888	185	-4.54070261340519	1.03353292009891e-05	0.104332511647363	0.000134926430585962
PAAD	PHF11	cg24984523	-0.334941644772911	185	-4.72927713227812	4.58583222041697e-06	0.112185905403183	6.59793289726499e-05
PAAD	PHF11	cg25162948	-0.360796809616585	185	-5.14675166385513	6.99670721631953e-07	0.130174337829506	1.24525701483954e-05
PAAD	PHF12	cg01406758	-0.122129788544502	185	-1.63708615769445	0.103389163652053	0.0149156852499248	0.243874326582999
PAAD	PHF12	cg02058367	-0.0243812218048679	185	-0.324467512151739	0.745967251191631	0.000594443976698167	0.85731744001272
PAAD	PHF12	cg06895197	0.0794095599652631	185	1.05982232167969	0.290669530132449	0.00630587821387672	0.488292673716206
PAAD	PHF12	cg08657247	0.153162509909539	185	2.06202445832374	0.0406667259611392	0.0234587544417896	0.123806491583018
PAAD	PHF12	cg08806622	0.0206765472611011	185	0.275142390473356	0.78352776081478	0.000427519606640548	0.880580552357001
PAAD	PHF12	cg13564075	-0.0332143597929462	185	-0.442132262576182	0.658933246631121	0.00110319369645528	0.80156765317855
PAAD	PHF14	cg06715026	-0.0563746104454063	185	-0.751210069844414	0.453523850534301	0.00317809670287131	0.643856157549399
PAAD	PHF14	cg07287563	-0.0551022937505575	185	-0.734203803290918	0.46379602850728	0.00303626277657272	0.653025754302241
PAAD	PHF14	cg07574654	-0.0375533539016009	185	-0.499967543672531	0.617718923315892	0.00141025438925888	0.7729629803375
PAAD	PHF14	cg11931558	-0.00307917096334565	185	-0.0409658994526101	0.967369253865883	9.48129382151098e-06	0.982858684244626
PAAD	PHF14	cg13029706	0.0242180234399672	185	0.32229437463572	0.747610048610418	0.000586512659338801	0.858350397706137
PAAD	PHF14	cg16800461	-0.140834073090295	185	-1.89253800029982	0.0600516749772943	0.0198342361432025	0.164773561060371
PAAD	PHF14	cg20819769	0.130579198774229	185	1.75224618847201	0.0814631621439209	0.0170509271525196	0.205624439838552
PAAD	PHF14	cg20964328	0.0882714233123757	185	1.17897709082183	0.239989695457573	0.00779184417359263	0.431940364352925
PAAD	PHF14	cg22876561	0.07387625847227	185	0.985552799624325	0.325697899773714	0.00545770156586165	0.525137151339848
PAAD	PHF14	cg23083824	-0.0563840843637509	185	-0.751336715489694	0.453447842389324	0.00317916496953858	0.643797933297414
PAAD	PHF14	cg24491907	0.0981162891864573	185	1.31168124640981	0.191326497806395	0.00962680620372051	0.371822472404464
PAAD	PHF19	cg11054680	0.117314426199289	173	1.51740906914311	0.131077056227204	0.0137626745944684	0.287740815193831
PAAD	PHF19	cg11594303	0.0252799949475467	185	0.336435979509712	0.736940652344567	0.000639078144547989	0.851686317776554
PAAD	PHF19	cg13501527	-0.103723613328216	185	-1.38743653454214	0.167053055486958	0.0107585879618613	0.339739762588947
PAAD	PHF19	cg13793166	0.144644257426409	126	1.59465236875507	0.113442541141281	0.0209219612064374	0.260590239341665
PAAD	PHF19	cg13851767	0.317824830355025	185	4.4596180044553	1.45519411064053e-05	0.101012622790201	0.000181622606518802
PAAD	PHF19	cg13852822	0.218689267852933	185	2.98164349813734	0.00327102604001228	0.0478249958740517	0.017652301825593
PAAD	PHF19	cg14218513	0.0236125054896696	185	0.314231565720111	0.753715234493648	0.000557550415499676	0.862361168829127
PAAD	PHF19	cg27207079	0.223533949536774	185	3.05113115668165	0.0026307434090614	0.0499674265955088	0.014826925506377
PAAD	PHF20	cg01512265	-0.0872179671043171	185	-1.16479833491985	0.245668095543514	0.00760697378580974	0.438649127239829
PAAD	PHF20	cg02674305	-0.130113290586785	185	-1.74588629004106	0.0825657897514292	0.0169294683873211	0.207599322815859
PAAD	PHF20	cg02957488	-0.0905543589987208	185	-1.20971749654727	0.228000523182618	0.00820009193366921	0.4178147719888
PAAD	PHF20	cg04179482	0.0944694651256373	185	1.26248060540958	0.20843671268984	0.008924479841124	0.393637890588047
PAAD	PHF20	cg09692677	-0.137167321224949	179	-1.81081146054686	0.0719252597399239	0.0188148740120284	0.18805382994581
PAAD	PHF20	cg10372813	-0.057642522215051	185	-0.768161110819384	0.443415102666135	0.00332266036731265	0.635618840921491
PAAD	PHF20	cg21765224	-0.0145796288106304	185	-0.193989964399267	0.846406194015539	0.000212565576255763	0.917909547177696
PAAD	PHF20	cg23538717	0.0907016202601295	185	1.211701076785501	0.227241952138967	0.00822678391781273	0.416856735160789
PAAD	PHF20	cg23734815	-0.0304629948230576	185	-0.405471967814315	0.685620307116232	0.000927994053589634	0.819064291938097
PAAD	PHF20	cg25561939	0.0574420749748733	185	0.76548103367777	0.445004672418105	0.00329959197741896	0.636911606985578
PAAD	PHF20	cg27405321	-0.145800771714575	184	-1.95515869648541	0.0521479829051795	0.0212578650325656	0.148774152055183
PAAD	PHF20L1	cg02898212	0.293067216529138	185	4.07806610232084	6.85462582279262e-05	0.0858883934041368	0.000697057204259253
PAAD	PHF20L1	cg05307234	-0.074520919401676	185	-0.994200773770159	0.321482332973033	0.0055533674284711	0.520974827857601
PAAD	PHF20L1	cg10591701	-0.350497901006287	185	-4.97891621961502	1.50961710477011e-06	0.122848778609813	2.45894374054619e-05
PAAD	PHF20L1	cg17646969	0.0346722637516724	185	0.461561987621896	0.644962196725269	0.00120216587366554	0.791811846253608
PAAD	PHF20L1	cg24511731	0.174265323012098	185	2.35447578994329	0.0196451148315373	0.0303684028045108	0.0718139214888687
PAAD	PHF20L1	cg26292018	0.395178950741819	184	5.70718211954286	4.78691752285382e-08	0.156166403109405	1.12437639424182e-06
PAAD	PHF20L1	cg27342122	0.176668276693544	185	2.38798040522542	0.0179940522706651	0.0312116799898667	0.0671219996328994
PAAD	PHF21B	cg01775414	-0.248364739057577	185	-3.41116126754193	0.00080143762149163	0.0616850436071383	0.00557665816872271
PAAD	PHF21B	cg01995480	-0.253642652626005	185	-3.48857957321726	0.000612693172758015	0.0643345952311562	0.00445331707759853
PAAD	PHF21B	cg05064352	-0.168855463892296	185	-2.27920331919468	0.0238488837299632	0.0285121676862826	0.0832010431359595
PAAD	PHF21B	cg10080155	-0.185671917710783	185	-2.51391670229111	0.0128321524951482	0.0344740610263999	0.0518390440467134
PAAD	PHF21B	cg11428482	-0.145197177386616	185	-1.95241303616199	0.0524665400225852	0.0210822203210403	0.149437338063083
PAAD	PHF21B	cg14786713	-0.254046941918637	185	-3.4945234453037	0.000600077947186556	0.0645398486982113	0.00437552383760718
PAAD	PHF21B	cg15679813	-0.237968096014651	185	-3.25959817204402	0.00133801652515846	0.0566288147208383	0.00854945852633899
PAAD	PHF21B	cg20495645	-0.244313936912874	185	-3.35196276874317	0.000981109529354499	0.059689299769868	0.00661161076980284
PAAD	PHF21B	cg20525183	-0.217947572245576	185	-2.97102589846737	0.00338060779488665	0.0475011442477406	0.0181273092635382

PAAD	PHF21B	cg21715212	-0.127330117618458	185	-1.70791882193265	0.0894046112589775	0.0162129588527303	0.219828083178559
PAAD	PHF21B	cg23080354	-0.210806452097366	185	-2.86907172843817	0.00461796512555831	0.044439360245879	0.0232614594002644
PAAD	PHF21B	cg25561581	-0.175994040767417	185	-2.37857505015911	0.0184446902300224	0.0309739023856433	0.0683963121099367
PAAD	PHF21B	cg25976257	-0.233505707838009	185	-3.19491339266444	0.00165626956248364	0.0545249155929296	0.0101952709561523
PAAD	PHF23	cg00039960	-0.137450571752627	185	-1.84618373893148	0.0665355788944134	0.0188926596751242	0.177597146148979
PAAD	PHF23	cg01441172	0.090140792963721	185	1.20414729586977	0.230140441491209	0.00812536255612842	0.420310487026179
PAAD	PHF23	cg04379155	-0.0950196259755506	185	-1.26989969169965	0.205787308037271	0.00902872932053353	0.390092785921963
PAAD	PHF23	cg11180288	-0.0459869292777308	185	-0.612464263105148	0.541016676728848	0.00211479766439501	0.716123114439774
PAAD	PHF23	cg13351208	0.0810927387857061	185	1.08243364939619	0.28053231085646	0.00657603228376676	0.477731504548125
PAAD	PHF23	cg22033559	-0.0932594379685692	185	-1.24616711776294	0.214349880250538	0.00869732277021341	0.401056678633181
PAAD	PHF23	cg26213471	-0.23155578187919	185	-3.16671548313896	0.00181588871172775	0.0536180801216832	0.0109874190277785
PAAD	PHF23	cg26784276	0.12655132919931	185	1.69730213654212	0.0913971497430078	0.0160152389221121	0.223287688569153
PAAD	PHIP	cg01492710	0.242494298496297	185	3.32543152743423	0.00107327806548253	0.0588034848032114	0.00711925254315722
PAAD	PHIP	cg04480383	-0.264497405793618	185	-3.64885809776358	0.000346398280851946	0.0699588776715541	0.00275679875811727
PAAD	PHIP	cg05801338	-0.38172245777073	185	-5.49455089417536	1.34693744962118e-07	0.145712034766526	2.84583519706219e-06
PAAD	PHIP	cg06848288	0.0744558313045829	185	0.993327575615488	0.321906346585487	0.00554367081525651	0.521314451907308
PAAD	PHIP	cg08287994	-0.45181556175678	184	-6.71890412614126	2.44521636968283e-10	0.204137301845595	9.02815198211231e-09
PAAD	PHIP	cg08587415	-0.41060781166961	185	-5.99112678883702	1.1374015050461e-08	0.168598775004106	3.07659988468555e-07
PAAD	PHIP	cg15564972	0.127769876584944	185	1.71391516970868	0.0882948990786593	0.0163251413625318	0.21796069616441
PAAD	PHIP	cg19494004	-0.431323645171861	185	-6.36045803584229	1.66289109049922e-09	0.186040086884341	5.27366284118615e-08
PAAD	PHIP	cg19950079	-0.0390141325675621	185	-0.519444749344522	0.604099580017788	0.00152210253999931	0.763034952555671
PAAD	PHIP	cg21607066	0.125279214048712	185	1.67996711877401	0.0947278283064476	0.0156948814726631	0.229119119170834
PAAD	PHIP	cg21875336	-0.305512829521373	185	-4.26867804081988	3.20038397108877e-05	0.0933380890021553	0.000360565779358262
PAAD	PHIP	cg26363168	-0.182769532267273	185	-2.47325043703129	0.0143324400628838	0.0334047019251976	0.0563604024795016
PAAD	PHRF1	cg06063517	0.0487945386574226	185	0.649943303083567	0.516571482699899	0.00238090700279071	0.697664310084129
PAAD	PHRF1	cg07530960	-0.196960412167977	185	-2.67274303455325	0.00822656343606941	0.0387934039613794	0.0367106795127393
PAAD	PHRF1	cg08482978	-0.180213758147739	185	-2.43749608820926	0.0157783638928392	0.0324769986257317	0.0606723365468604
PAAD	PHRF1	cg12469954	-0.248460986476137	185	-3.41257013248827	0.000797562900888874	0.0617328618006951	0.00555411373353336
PAAD	PHRF1	cg12813709	0.015334233544994	185	0.204032697941002	0.838562349346797	0.000235138718412418	0.913638933241816
PAAD	PHRF1	cg15219216	0.103134114516564	185	1.3794662110759	0.169491387639818	0.0106366455771156	0.343003902345204
PAAD	PHRF1	cg16143007	-0.199993108624906	185	-2.71559764970928	0.00727139738032405	0.0399972434974535	0.0333748945545418
PAAD	PHRF1	cg18793109	-0.209115688349916	185	-2.84500373268429	0.00496486378123891	0.0437293711140593	0.0246323926837329
PAAD	PHRF1	cg20152424	-0.0393915744977617	185	-0.52447788612279	0.600602414592915	0.00155169614141271	0.760630736334856
PAAD	PHRF1	cg21006161	-0.169338043196977	185	-2.28590917137579	0.0234448061605789	0.0286753728737813	0.0821117076560452
PAAD	PPARGC	cg04893087	-0.0335836768754552	185	-0.447053939729769	0.65538266885305	0.00112786335247498	0.799084817300086
PAAD	PPARGC	cg05158538	-0.18420259321325	183	-2.47919450213147	0.0141146681012192	0.0339305953464859	0.055684187345517
PAAD	PPARGC	cg11270806	-0.195582058550594	185	-2.65329218141654	0.00869633700269923	0.0382523416268881	0.0382746890284418
PAAD	PPARGC	cg12691631	-0.205176838675194	185	-2.78903729567501	0.00586522010564871	0.0420975351287465	0.0281705830029534
PAAD	PPARGC	cg20723350	-0.143367948482778	184	-1.9218444679271	0.056240734315598	0.0205543686521606	0.157083212791098
PAAD	PPARGC	cg27461259	-0.194504450584255	185	-2.63809674241205	0.00908000996123486	0.0378319812970828	0.0396058477669922
PAAD	PPARGC	cg27514608	-0.206843462957343	185	-2.8127006147894	0.00546781846106751	0.0427842181681859	0.0266368256847822
PAAD	PRDM1	cg00555933	-0.048625614461047	185	-0.647687890546995	0.518026052689058	0.00236445038171439	0.69890079504158
PAAD	PRDM1	cg01761420	0.0224954239846763	185	0.299357904463495	0.765018198412164	0.00050604410025035	0.869598148923673
PAAD	PRDM1	cg05170275	-0.0733755389861493	185	-0.978836623697786	0.32899668359281	0.00538396972150791	0.528691757971888
PAAD	PRDM1	cg08742502	0.0719819625260521	185	0.960148413510022	0.338290281682942	0.00518140292910197	0.537695206220227
PAAD	PRDM1	cg14359052	0.0941068558158768	185	1.25759134720958	0.210196277176973	0.00885610031155023	0.395826999750804
PAAD	PRDM1	cg17143179	0.0203538003685661	185	0.270845810103979	0.786825210763378	0.00041427718944344	0.88256504062943
PAAD	PRDM1	cg17521665	0.238730060474062	185	3.27066499100933	0.00128963451897816	0.0569920417739491	0.00829070554246648
PAAD	PRDM1	cg17965230	-0.106502771859603	185	-1.42503222784556	0.155908808602122	0.0113428404137787	0.324125330208271
PAAD	PRDM1	cg19464016	-0.076300391310001	185	-1.01807850823975	0.310030209759318	0.00582174971405927	0.508823873642898
PAAD	PRDM1	cg22186515	-0.121975480052976	185	-1.63498647390295	0.103829062516166	0.0148780177341538	0.244677029243385
PAAD	PRDM1	cg22196848	-0.0841483922101659	185	-1.12350635823453	0.262744013780625	0.00708095191155592	0.45815949256803
PAAD	PRDM1	cg24040346	-0.147244700605018	185	-1.98055114922909	0.0491909420423229	0.0216810018562615	0.14258738152025
PAAD	PRDM1	cg24793124	-0.130803640945719	185	-1.75531036656959	0.0809362374336588	0.0171095924846565	0.204630312629826
PAAD	PRDM1	cg24874254	0.124079145063295	185	1.66362158679533	0.0979575865158721	0.0153956342396383	0.23459279908311
PAAD	PRDM1	cg26351406	-0.0738387481268394	185	-0.985049645549772	0.325944279716998	0.00545216072493883	0.525403727571002
PAAD	PRDM10	cg04181189	-0.0290734316711971	185	-0.386960427534484	0.699250349904646	0.000845264429139765	0.827489149662023

PAAD	PRDM10	cg17627813	0.0666660876773195	185	0.888912135740796	0.375256763775015	0.00444436724620005	0.573948148577817
PAAD	PRDM12	cg09191327	0.0318508567280837	185	0.42396319312079	0.672107451104609	0.00101447707431291	0.810169800342581
PAAD	PRDM12	cg12539975	-0.0379409287071894	185	-0.50513493135615	0.614092449142609	0.00143951407116403	0.770502693277638
PAAD	PRDM12	cg13795948	-0.0787380726250607	185	-1.05080431558428	0.294781018819503	0.00619968408070933	0.492614593960397
PAAD	PRDM12	cg13928649	-0.0293087977506256	185	-0.390095776271523	0.696934758395185	0.000859005625587078	0.826191873999401
PAAD	PRDM12	cg23342516	-0.0443803174466367	185	-0.591024052231947	0.555258277796325	0.00196961257666425	0.726724246082325
PAAD	PRDM13	cg00126261	-0.0371001525074799	185	-0.493925468010528	0.621971196482464	0.00137642131607827	0.776058307672701
PAAD	PRDM13	cg00579292	0.0529621880489401	185	0.705606389136427	0.481360556132847	0.00280499336293129	0.668612193186542
PAAD	PRDM13	cg01422797	0.139405267747465	185	1.87295509409422	0.0627234028956064	0.0194338286757424	0.170086126811269
PAAD	PRDM13	cg01815538	0.0508472017103591	185	0.677354215793196	0.499065614639236	0.00258543792177395	0.683298584924019
PAAD	PRDM13	cg02400433	0.0148582482209343	185	0.197697959523392	0.843508244804627	0.000220767540194897	0.916394556290143
PAAD	PRDM13	cg03120185	0.0264320408391351	185	0.351778338533438	0.7254229444398	0.000698652782921705	0.844484969020289
PAAD	PRDM13	cg04910970	0.0842270792301045	185	1.12456444994819	0.262296378699519	0.0070942008756343	0.4576855269064
PAAD	PRDM13	cg11809464	-0.0986023835315434	185	-1.31824330814053	0.18912558023655	0.00972243003810159	0.368899916980222
PAAD	PRDM13	cg13738144	-0.0500853995787648	185	-0.667180254341853	0.505525857269901	0.00250854725096454	0.688688682762235
PAAD	PRDM13	cg14344102	0.0748289610309722	185	0.998333521362209	0.319480516756269	0.00559937340897475	0.518800720589011
PAAD	PRDM13	cg17879189	-0.0373978333386728	185	-0.497894110726643	0.619176711735314	0.00139859793842714	0.774060054928135
PAAD	PRDM13	cg17978124	0.0950372619034931	185	1.27013753693431	0.205702782013234	0.00903208115011314	0.389999079351178
PAAD	PRDM13	cg25273233	-0.0570733274618269	184	-0.75839945022269	0.449226259048136	0.00325736470756493	0.64045573427392
PAAD	PRDM13	cg25924096	-0.00809917812117365	185	-0.10775609092736	0.914311222058421	6.55966862384979e-05	0.954772827350205
PAAD	PRDM13	cg26507427	-0.0208377354616907	185	-0.277288246704877	0.781882366619142	0.0004342112191714	0.879507923860697
PAAD	PRDM14	cg00384539	-0.115778692851728	185	-1.55076415996597	0.122744390817645	0.0134047057184547	0.274950137244344
PAAD	PRDM14	cg01295203	-0.0932833097173959	185	-1.24648890062782	0.214232075827294	0.0087017758718316	0.400871224575071
PAAD	PRDM14	cg04838988	-0.0412170754552	185	-0.548823905786726	0.583817943830984	0.00169884730907965	0.748685906110604
PAAD	PRDM14	cg09050331	-0.0143787047927705	185	-0.19131600335369	0.848497306833695	0.000206747151517641	0.919158239064958
PAAD	PRDM14	cg10457247	-0.0540665550911941	185	-0.720362380942806	0.472252147400635	0.00292319237942913	0.660322870659542
PAAD	PRDM14	cg11229513	0.0226259596601865	185	0.301095895424434	0.763694784420472	0.000511934050544387	0.86870700481366
PAAD	PRDM14	cg13267264	-0.107113435995418	185	-1.43329761903511	0.153536814921362	0.0114732881707445	0.320797222356309
PAAD	PRDM14	cg18035229	-0.0949826677499438	184	-1.26581030365114	0.207254025083709	0.00902170717289622	0.392175511465315
PAAD	PRDM14	cg21255438	-0.0156936126444196	185	-0.208815652615239	0.834832266159844	0.000246289477833087	0.911546329159668
PAAD	PRDM14	cg27029821	-0.00274223405734527	185	-0.0364831884401874	0.970938196449282	7.51984762526431e-06	0.98460978011693
PAAD	PRDM4	cg00090609	-0.0852906263420993	185	-1.13886788406827	0.256297284624762	0.0072744909418276	0.450571422763612
PAAD	PRDM4	cg03909902	-0.317342263223801	185	-4.45208786681453	1.50183917415206e-05	0.100706112028004	0.000186725390305234
PAAD	PRDM4	cg12900929	-0.111299387582291	185	-1.48999952723164	0.138004156835507	0.0123875536761931	0.298272937159545
PAAD	PRDM4	cg18440127	-0.244213010636779	185	-3.35049022998255	0.000986024940440721	0.0596399945642793	0.00663898426663021
PAAD	PRDM4	cg25995916	-0.0608088591261208	185	-0.810509157228588	0.418736020541685	0.0036977173482204	0.6141851122218
PAAD	PRDM4	cg27140793	0.104428551539005	185	1.3969695986823	0.16417166339859	0.0109053223765345	0.335599389910393
PAAD	PRDM5	cg05713693	-0.321500716445275	185	-4.51710494000882	1.14226521794797e-05	0.103362710674825	0.00014709713684
PAAD	PRDM5	cg06329345	-0.27494034480183	185	-3.80446246684869	0.000195530139160599	0.0755921931997494	0.00170317676025749
PAAD	PRDM5	cg07070341	-0.273512623150401	185	-3.78310455786654	0.000211719347861369	0.0748091550226131	0.00182054768956863
PAAD	PRDM5	cg10416963	-0.317182942495991	185	-4.4496026182275	1.51754703251901e-05	0.100605019010415	0.000188347246087721
PAAD	PRDM5	cg11171429	-0.226164746403782	185	-3.08896419865512	0.00233281669490685	0.051150492515887	0.0134654564643692
PAAD	PRDM5	cg13155001	-0.381216985202521	185	-5.48603695089699	1.40356035267098e-07	0.145326389806899	2.95049200505406e-06
PAAD	PRDM5	cg18181323	-0.295777901116085	185	-4.11938370579456	5.82399878945897e-05	0.0874845667886364	0.000605954476163129
PAAD	PRDM5	cg19294653	-0.359186517291755	185	-5.12036959664365	7.90476984210233e-07	0.12901495420418	1.38750826962209e-05
PAAD	PRDM5	cg22135105	-0.387740477456979	185	-5.59636293698863	8.20535502476637e-08	0.150342677858566	1.81652643368433e-06
PAAD	PRDM8	cg01304890	0.201130763377244	185	2.73169458203703	0.00693937121355498	0.0404535839767128	0.0321909030523134
PAAD	PRDM8	cg02895669	-0.0610402017724532	185	-0.813604187167596	0.416964870666692	0.00372590623242179	0.612476447737857
PAAD	PRDM8	cg04343891	-0.0231024253324905	185	-0.30743983307965	0.7588700507454	0.000533722056243299	0.865687172486072
PAAD	PRDM8	cg05007549	0.166840058582834	185	2.25121571240765	0.0256018273194959	0.0278356051479233	0.087730973239929
PAAD	PRDM8	cg07462804	-0.0761946456172557	185	-1.01665929501741	0.310703196995489	0.00580562402073919	0.50953568958971
PAAD	PRDM8	cg08074201	-0.0302438899266182	185	-0.402552933574212	0.687762890842399	0.000914692877893396	0.820447247177612
PAAD	PRDM8	cg10695325	-0.0687382837229747	185	-0.916671563974458	0.360562049051975	0.00472495164918017	0.559525324528721
PAAD	PRDM8	cg11571772	0.0480733399612209	185	0.640314516248784	0.522796184522441	0.00231104601502712	0.702475598021312
PAAD	PRDM8	cg12572049	-0.0560891632642375	185	-0.747394358308945	0.455817299998758	0.00314599423568229	0.646098993059843
PAAD	PRDM8	cg14489346	-0.0206005553778794	185	-0.274130737921498	0.784303812435966	0.000424382881877077	0.881003759928425
PAAD	PRDM8	cg15656813	-0.292649145901422	185	-4.07170327420972	7.02804434033277e-05	0.0856435225968315	0.000712111672513152

PAAD	PRDM8	cg16117799	0.252017652721606	185	3.46470844878795	0.000665906754877026	0.0635128972833081	0.00478157191147345
PAAD	PRDM8	cg18624348	-0.0651637525874444	185	-0.868793890151556	0.386136385052257	0.00424631465127766	0.584166838061165
PAAD	PRDM8	cg19595012	0.0132973633531856	185	0.176925555816375	0.859769152777563	0.000176819872146642	0.925481304917936
PAAD	PRDM8	cg20142271	-0.0334123537176307	185	-0.444770791492152	0.657028798487045	0.00111638538095207	0.800226987138559
PAAD	PRDM8	cg26162932	0.00574184709437457	185	0.0763915664252109	0.939193857377236	3.29688080551777e-05	0.967511598829127
PAAD	PRKAA1	cg00301775	-0.30353039105435	185	-4.23815805496739	3.6216409603705e-05	0.0921306982936065	0.000401685111022331
PAAD	PRKAA1	cg01883943	-0.192551125310657	180	-2.57344128800108	0.0109126835432482	0.0370759358584005	0.0456518231643069
PAAD	PRKAA1	cg03125217	0.107202012004871	185	1.43449663891537	0.153195031941268	0.0114922713778926	0.32036421375917
PAAD	PRKAA1	cg05874655	0.145607905462447	185	1.95805540438705	0.0517953486496452	0.0212016621331609	0.148051416550944
PAAD	PRKAA1	cg06971720	0.0608866298092359	185	0.811549601809111	0.418140122133131	0.00370718168952693	0.613542432027327
PAAD	PRKAA1	cg10786880	0.15109709839823	185	2.03356364410401	0.043488719686454	0.0228303331443643	0.130211741178046
PAAD	PRKAA1	cg24728477	0.0900696452310864	185	1.20318909114378	0.230510004704962	0.00811254099205377	0.420807605622983
PAAD	PRKCD	cg02121118	-0.0271973168670347	185	-0.361970665497698	0.71780572676403	0.000739694044765892	0.839730929233125
PAAD	PRKCD	cg02559423	-0.15013116187138	185	-2.02026267827519	0.0448637437735345	0.0225393657648506	0.133256847127576
PAAD	PRKCD	cg02630105	-0.0462293607243167	185	-0.615699916572755	0.53888349441478	0.00213715379297899	0.714452350996731
PAAD	PRKCD	cg10531918	-0.401180527833125	185	-5.82681829172233	2.61558684273155e-08	0.160945815912465	6.54898496438553e-07
PAAD	PRKCD	cg13469346	0.133431075410197	185	1.79120175536853	0.0749695839223798	0.0178038518851218	0.193805330530609
PAAD	PRKCD	cg13889007	-0.300467578265574	185	-4.19112449229795	4.37639356054736e-05	0.090280765588779	0.000472791502081963
PAAD	PRKCD	cg13908523	-0.0372563407049764	185	-0.496007732569987	0.620504299517153	0.00138803492272528	0.775030302648581
PAAD	PRKCD	cg14727059	-0.0504691884177392	185	-0.672305654587638	0.502265800417977	0.00254713897954526	0.685929107466401
PAAD	PRKCD	cg21903826	0.018782795493488	185	0.249932932440653	0.802929054386811	0.000352793406550193	0.892562248447761
PAAD	PRMT1	cg07702240	0.00780317869499327	185	0.103817701169564	0.917431557980682	6.08895977459968e-05	0.956493434760834
PAAD	PRMT1	cg08377944	-0.0157832978791334	185	-0.210009280522432	0.833901971998389	0.000249112491941457	0.910888527073431
PAAD	PRMT1	cg11787855	0.0147487242263741	185	0.196240358436361	0.844647166861067	0.000217524866305636	0.916986221845596
PAAD	PRMT1	cg14258555	-0.0460316509997659	185	-0.613061141172008	0.540622850684338	0.00211891289376425	0.71584946008587
PAAD	PRMT1	cg14576628	-0.0919675217169727	185	-1.22875575460954	0.220794570871499	0.00845802505076184	0.409051769340512
PAAD	PRMT1	cg18880319	-0.171869203122101	185	-2.32110965531447	0.0214205281766052	0.0295390229818261	0.0767390545231787
PAAD	PRMT1	cg22292364	-0.148175453799535	185	-1.99335061665711	0.0477591948999625	0.0219559651086981	0.139515499684976
PAAD	PRMT1	cg24228123	0.0219999904220389	185	0.292761692720474	0.770047231193174	0.000483999578569803	0.87250111862162
PAAD	PRMT1	cg25595446	-0.249565702801736	185	-3.42874864360733	0.000754306969874687	0.0622830400149245	0.00530565609533738
PAAD	PRMT1	cg26846726	0.00195352726489609	185	0.0259900394563377	0.979294561792021	3.81626877469238e-06	0.989341347722826
PAAD	PRMT2	cg04493422	0.125490844458705	185	1.68285040427816	0.0941671417404932	0.0157479520429589	0.228122471018957
PAAD	PRMT2	cg06725035	-0.178820735329848	182	-2.39745039480801	0.0175683000717683	0.0319768553839075	0.065894042514013
PAAD	PRMT2	cg09031657	-0.199253324224115	185	-2.7051364179667	0.00749481749816385	0.0397018872143602	0.0341517452931172
PAAD	PRMT2	cg10187059	-0.0861122758661409	184	-1.14666780307805	0.253075449480874	0.00741532405484634	0.447094316607912
PAAD	PRMT2	cg10657630	-0.0225014718647563	185	-0.299438427405639	0.764956867933464	0.000506316236080421	0.869558997668566
PAAD	PRMT2	cg12162201	-0.105565801938805	185	-1.41235342775127	0.159601718866811	0.0111441385389831	0.329224832750635
PAAD	PRMT2	cg13271076	0.0319344586595925	185	0.425077143615236	0.671296755630739	0.00101980964988122	0.809606533045047
PAAD	PRMT2	cg17243659	-0.144929874961742	184	-1.94322881193891	0.0535837626894906	0.0210046686564263	0.151747187283081
PAAD	PRMT2	cg23283320	-0.222714156924939	183	-3.02213596444999	0.00288681489561138	0.0496015956947862	0.0159625330861605
PAAD	PRMT3	cg01769160	0.0477038592818827	185	0.635381937212097	0.525999921366902	0.00227565819038567	0.704769779288361
PAAD	PRMT3	cg04101203	-0.188312967280995	185	-2.55098049382063	0.0115885477877458	0.0354617736461731	0.0478335802302698
PAAD	PRMT3	cg06578097	0.00697399353940014	185	0.0927852058200252	0.926179141246454	4.8636585887595e-05	0.96113092928869
PAAD	PRMT3	cg13432154	-0.0737610158651817	185	-0.984006978470373	0.326455232396479	0.00544068746146358	0.525920925071731
PAAD	PRMT3	cg13982511	-0.0765450511301602	185	-1.02136222087451	0.308476805884317	0.00585914485251884	0.507060338431858
PAAD	PRMT3	cg19653624	-0.161557071589415	185	-2.17798846837937	0.030729582770721	0.0261006873805473	0.100440198397776
PAAD	PRMT3	cg23019633	-0.0206657823604964	185	-0.274999080941926	0.783637682208305	0.000427074560571405	0.880614642404162
PAAD	PRMT3	cg23071995	0.115426032696117	185	1.54597667374817	0.123896271870748	0.0133231690239651	0.276750411287591
PAAD	PRMT6	cg00944433	0.0227697321383869	185	0.303010142962473	0.762237963254375	0.000518460701653887	0.867824513134385
PAAD	PRMT6	cg02990361	-0.131946934430245	185	-1.77092335854382	0.0782945547150082	0.0174099935055394	0.19979159579805
PAAD	PRMT6	cg02993280	-0.179647917307524	185	-2.42958710970792	0.0161151684494152	0.032273374192931	0.0616474928380116
PAAD	PRMT6	cg09367891	-0.187570807588975	185	-2.5405594655254	0.0119268244369026	0.0351828078595801	0.0489106684367105
PAAD	PRMT6	cg14671364	-0.222658406472354	185	-3.038557395406	0.00273729250285829	0.049576765972808	0.0153109672826688
PAAD	PRMT6	cg14828511	-0.126412230336203	185	-1.69540623401658	0.0917567327914434	0.0159800519785732	0.223938452833335
PAAD	PRMT6	cg22528358	0.246581340103527	185	3.38507538488347	0.000876440851141436	0.0608023572872512	0.00601356849300555
PAAD	PRMT7	cg00894222	-0.0775828401984943	185	-1.03529302337177	0.301944466125845	0.0060190970932651	0.500350781702254
PAAD	PRMT7	cg02477175	0.203154208414555	185	2.76035327620583	0.00638205291362841	0.0412716323965445	0.0301046218992729

PAAD	PRMT7	cg06089844	-0.0855246124861815	185	-1.14201524181074	0.254990234008426	0.00731445934091151	0.449282258209175
PAAD	PRMT7	cg06092312	0.0657964015643951	185	0.87726516199799	0.381531785754884	0.00432916645882313	0.579965291850157
PAAD	PRMT7	cg06745885	0.116459869356441	185	1.56001305634549	0.12054299221591	0.0135629011705192	0.271507465281981
PAAD	PRMT7	cg09175928	-0.0914367163414181	185	-1.22160382419613	0.223482010828363	0.00836067309530095	0.412342868045162
PAAD	PRMT7	cg09779635	0.123852775079378	184	1.65584171664669	0.099535760302884	0.0153395098948629	0.237473996704027
PAAD	PRMT7	cg10233539	-0.134796117289017	185	-1.80986368318035	0.0720132631162847	0.0181699932361943	0.188189048703962
PAAD	PRMT7	cg10446007	-0.0731438846367074	185	-0.975729684251082	0.330530081655101	0.00535002785974795	0.530211186748019
PAAD	PRMT7	cg11893236	-0.0855287259611089	185	-1.14207057404087	0.254967297247995	0.00731516296453046	0.449272371335942
PAAD	PRMT7	cg19328639	-0.0600056903045002	185	-0.7997649347158	0.424919023948812	0.00360068286891959	0.619814069872357
PAAD	PRMT7	cg21918026	0.180081179288185	185	2.43564275767234	0.0158567230378489	0.0324292311338236	0.0608923838486731
PAAD	PRMT7	cg26492318	-0.210842990765621	185	-2.86959215232292	0.0046107148118371	0.0444547667549919	0.0232324598790113
PAAD	PRMT7	cg26561196	0.115390665458372	185	1.54549658372093	0.124012250520041	0.013315005674926	0.276953809983237
PAAD	PRMT7	cg26796563	-0.0620325666024292	185	-0.826882092446904	0.409417217709346	0.00384803931928481	0.605374221890701
PAAD	PRMT8	cg01693063	-0.0811046942433537	185	-1.08259428859287	0.280461169382681	0.00657797142830789	0.477659828007163
PAAD	PRMT8	cg06029846	-0.0821666106632319	185	-1.09686458583065	0.274190628441626	0.00675135190788313	0.470683481284664
PAAD	PRMT8	cg07912789	-0.165816646518193	185	-2.23701489199917	0.026533504315248	0.0274951602625393	0.090094165889765
PAAD	PRMT8	cg10350722	0.0591429793915785	185	0.788225936361104	0.431618937479074	0.00349789201131268	0.625497554829074
PAAD	PRMT8	cg11596580	0.0065794078349979	185	0.0875352227138794	0.930345042492171	4.32886074592317e-05	0.963141423057236
PAAD	PRMT8	cg19656577	-0.116589708122916	185	-1.56177623738879	0.120126883009637	0.0135931600401866	0.270928905483771
PAAD	PRMT8	cg21667836	-0.0339027539772176	185	-0.451306244998052	0.652321296413197	0.00114939672723974	0.79690511592576
PAAD	PRMT8	cg23739862	-0.106850316589296	185	-1.42973607480479	0.154555488281751	0.0114169901552327	0.322129662569071
PAAD	PRMT8	cg24100636	-0.164125800376542	185	-2.2135690439631	0.0281364142467563	0.0269372783492404	0.0941519360767447
PAAD	PRMT8	cg27316886	-0.216471215332827	185	-2.94990746017502	0.00360864896806106	0.0468597870676713	0.0190804892150712
PAAD	PWWP2E	cg00259755	0.0150923719905469	185	0.200813821796878	0.841074720857064	0.000227779692301045	0.914895295305374
PAAD	PWWP2E	cg05010219	-0.0981204417373625	185	-1.31173730001508	0.191307617269198	0.00962762108673514	0.371805365680942
PAAD	PWWP2E	cg15012692	-0.0332659310169461	185	-0.44281951179222	0.658436985589182	0.00110662216642422	0.801237933704067
PAAD	PWWP2E	cg15278699	-0.175541059850781	185	-2.3722580660422	0.0187529198319687	0.0308146636935355	0.0692751149346206
PAAD	PWWP2E	cg19919881	-0.0352383838270012	185	-0.469107551035671	0.639570065193126	0.00124174369473906	0.788230944070752
PAAD	PWWP2E	cg22633292	-0.113247660621742	185	-1.51641756261191	0.131197710947527	0.0128250326362973	0.287946268353176
PAAD	PWWP2E	cg22664157	-0.0537123557705268	185	-0.715629463261439	0.475163154356254	0.00288501716241965	0.662981723825395
PAAD	PWWP2E	cg24520806	-0.307849116097273	185	-4.30472421810552	2.76321637494639e-05	0.0947710782818725	0.00031733341404278
PAAD	PYGO1	cg06364757	-0.353432305341767	185	-5.02652221902422	1.2159182922279e-06	0.124914394459196	2.03465578889175e-05
PAAD	PYGO1	cg09275667	-0.292269264377826	185	-4.06592387993778	7.18918229517186e-05	0.0854213228999556	0.000725295354001556
PAAD	PYGO1	cg11480800	-0.302614141672161	185	-4.22407275727623	3.83350002792359e-05	0.0915753187399787	0.000421576620260515
PAAD	PYGO1	cg12686317	-0.203987517527432	185	-2.77216639588534	0.00616439233987762	0.0416109073070042	0.0293089315296687
PAAD	PYGO1	cg13878116	-0.00669148501907603	185	-0.0890264111520595	0.929161572417719	4.4775971760519e-05	0.962505431026565
PAAD	PYGO1	cg17841803	-0.27899125606261	185	-3.86521068855874	0.000155654963997814	0.0778361209593926	0.00140541112688556
PAAD	PYGO1	cg19850348	-0.259453969517595	185	-3.57420759887098	0.000452861622598832	0.0673163622984369	0.0034501926420971
PAAD	PYGO1	cg22510134	-0.00727654934350761	185	-0.0968107555956858	0.922986212989677	5.2948170348501e-05	0.959507028360736
PAAD	PYGO1	cg23030278	-0.264864452553198	185	-3.65430341064985	0.000339637293121914	0.0701531782263052	0.00271270467978708
PAAD	PYGO1	cg23412777	-0.286583894641903	185	-3.9796777190443	0.000100547679008946	0.0821303286681216	0.000968549546907126
PAAD	PYGO1	cg25902187	-0.262124901126836	185	-3.61370184959572	0.000393199828431611	0.0687094637907535	0.00306192066596684
PAAD	PYGO2	cg01277844	0.149087953425294	185	2.00590432314335	0.0463894089754966	0.0222272178565427	0.13655640577962
PAAD	PYGO2	cg02341811	-0.0911023116048348	185	-1.21709868329194	0.225186950189637	0.00829963117974442	0.414542851415217
PAAD	PYGO2	cg04602755	-0.184724990536879	185	-2.50064156897408	0.0133057403424736	0.03412332212885	0.0532654126590024
PAAD	PYGO2	cg10892866	-0.2010779257273	185	-2.73094671579371	0.00695448772576094	0.0404323322147935	0.0322494884440776
PAAD	PYGO2	cg14024356	0.171860074553558	185	2.32098262097148	0.0214275485323569	0.0295358852255544	0.0767571354480899
PAAD	PYGO2	cg18188585	-0.215045485745545	185	-2.92953337145147	0.00384194244663971	0.0462445609395375	0.0201057502218728
PAAD	PYGO2	cg24683561	-0.185741490954733	185	-2.51489234698056	0.0127979472739644	0.034499901462087	0.0517304120456609
PAAD	PYGO2	cg27105205	-0.140863682166859	185	-1.89294394322264	0.0599973142488409	0.0198425769536058	0.164679676634044
PAAD	RBBP4	cg05797186	-0.287475637085469	185	-3.99317468505542	9.54386104255011e-05	0.0826422419176965	0.000926216474481217
PAAD	RBBP4	cg06526778	-0.0468244821171342	185	-0.623643271252362	0.533664742508341	0.00219253212553782	0.71069015431744
PAAD	RBBP4	cg09036220	0.00203354537352148	185	0.0270546174986753	0.978446650289646	4.13530678617061e-06	0.98883804712013
PAAD	RBBP4	cg11229946	0.0303946167191969	185	0.404560091376377	0.686288695132495	0.000923832725506883	0.819417431496236
PAAD	RBBP4	cg13641837	-0.203496987591853	182	-2.74167766246795	0.00675148475040982	0.0414110239589586	0.0314769869755113
PAAD	RBBP4	cg16148416	0.0360958822398609	185	0.480537630607291	0.631438548515301	0.00130291271467391	0.782553666069764
PAAD	RBBP4	cg16396527	-0.332845208715231	185	-4.69597504817627	5.30246015081283e-06	0.110785932964686	7.49181955997699e-05

PAAD	RBBP4	cg18758482	0.0406131600244502	185	0.540769115503944	0.589346608139802	0.0016494287671716	0.752612200558582
PAAD	RBBP4	cg20740619	0.181247770886431	185	2.45195535607722	0.015178725196208	0.0328507544513003	0.0589287228223278
PAAD	RBBP4	cg22358606	0.389636355629844	185	5.62861045819898	7.00468450157487e-08	0.151816489628507	1.57446525892954e-06
PAAD	RBBP4	cg22857567	-0.113747384371854	185	-1.52319651876916	0.129494179912534	0.0129384674514382	0.285346426243928
PAAD	RBBP4	cg23016766	-0.0678148732866553	185	-0.904299977931524	0.367065524703899	0.00459885703888511	0.565948458633564
PAAD	RBBP4	cg26131911	0.0402542279740312	185	0.535982100561931	0.592643825385771	0.00162040286978527	0.754889703508214
PAAD	RBBP5	cg00960017	-0.152835739593598	185	-2.05751981942505	0.0411026694433978	0.0233587632971222	0.124835678405547
PAAD	RBBP5	cg02189925	0.246282235333845	185	3.3807039566926	0.000889634343752229	0.0606549394410352	0.00609227237129057
PAAD	RBBP5	cg03143531	-0.133245658875039	185	-1.78866766934595	0.0753786219290054	0.0177544056090431	0.194597614466883
PAAD	RBBP5	cg05290904	-0.0748901060876007	185	-0.999153889716342	0.319084128009	0.00560852798981209	0.518470886946387
PAAD	RBBP5	cg07601985	0.334424857968479	185	4.72106060928274	4.75341442835502e-06	0.111839985627238	6.80631551701547e-05
PAAD	RBBP5	cg07972983	0.220962054525004	185	3.01421303150506	0.00295492159907366	0.0488242295399109	0.0162632877450325
PAAD	RBBP5	cg14717946	-0.0656772126171798	185	-0.875669121852784	0.382396713148283	0.00431349625716224	0.580762524473012
PAAD	RBBP5	cg18131828	-0.105273490275372	185	-1.40839873288785	0.16076713630745	0.0110825077547588	0.330760368072121
PAAD	RBBP5	cg21214746	0.0197284469579816	185	0.262521008750433	0.793225089001187	0.000389211619373895	0.886751535066725
PAAD	RBBP5	cg23227967	0.0329228946059366	185	0.438248201139248	0.661740760345079	0.00108391698923361	0.803126538167064
PAAD	RBBP5	cg24103461	0.105295144854762	185	1.40869168578631	0.160680583613537	0.0110870675299853	0.330623267295559
PAAD	RBBP5	cg26795850	0.118257171226829	185	1.58442725827498	0.11488156605202	0.0139847585465715	0.262739866219341
PAAD	RBBP7	cg01947226	0.127213386186476	185	1.70632729877978	0.0897010406159029	0.0161832456250295	0.22032023343774
PAAD	RBBP7	cg03048084	0.0927918740750403	185	1.23986495558657	0.216666599731187	0.00861033189435814	0.403982490700284
PAAD	RBBP7	cg03171708	0.0910090436174268	185	1.21584223984142	0.225664109007	0.00828264602015869	0.415044074123226
PAAD	RBBP7	cg03811055	0.158745084693191	185	2.13909050628336	0.0337989096338534	0.0252000019142483	0.107897426076408
PAAD	RBBP7	cg07096248	0.118937153009226	185	1.59366810361024	0.112794546383213	0.01414604636594	0.259622166353136
PAAD	RBBP7	cg08363715	0.154121340386597	185	2.07524626374076	0.0394099229495563	0.0237533875625613	0.121167158466711
PAAD	RBBP7	cg14719055	-0.121179163964987	185	-1.6241528682626	0.106122666403222	0.0146843897792533	0.248444330489762
PAAD	RBBP7	cg15289846	0.108984612163567	185	1.4586344079653	0.146437993962413	0.0118776456884431	0.310662593463648
PAAD	RBBP7	cg15464143	0.0939469881489676	185	1.25543592517073	0.210975412444335	0.00882603658226226	0.396830637411643
PAAD	RBBP7	cg16978043	0.0877176649737811	185	1.17152341159624	0.242963054673887	0.00769438874845251	0.435498441863099
PAAD	RBBP7	cg17878446	0.0716700930676648	185	0.955966943778666	0.340392769691653	0.00513660224032774	0.539636753385756
PAAD	RBBP7	cg17880859	0.101151484264897	185	1.35267077172464	0.177886275857965	0.0102316227689917	0.354405842807245
PAAD	RBBP7	cg21122900	0.10814319340753	185	1.44723919517576	0.149598713286931	0.0116949502803785	0.315083742849318
PAAD	RING1	cg01241018	-0.00209824731108001	185	-0.0279154263022727	0.977761054130787	4.40264177845449e-06	0.988485294932429
PAAD	RING1	cg01878788	-0.163396271551152	185	-2.20345935472942	0.0288531446061319	0.0266983415568179	0.0959026503520371
PAAD	RING1	cg02475416	0.0435765337832761	185	0.580299306156143	0.562450822599507	0.00189891429656501	0.732588264826729
PAAD	RING1	cg03037740	-0.106925507066256	185	-1.43075381061287	0.154263868347819	0.0114330640613761	0.321720105470223
PAAD	RING1	cg06316695	0.223014075858527	185	3.04366328058576	0.00269354665920563	0.0497352780310327	0.0151108220095365
PAAD	RING1	cg06671577	-0.230497726185429	185	-3.15143183039994	0.00190825058909941	0.0531292017766532	0.011450036164845
PAAD	RING1	cg07946923	-0.264603553755972	185	-3.65043267778348	0.000344430320328605	0.0700150406602895	0.00274422494260995
PAAD	RING1	cg08892712	-0.126153843653357	185	-1.69188472100368	0.0924276763567692	0.0159147922685157	0.225126605544898
PAAD	RING1	cg09478665	-0.183664532998666	185	-2.48578339109833	0.0138542287954958	0.033732660681618	0.0549381116789073
PAAD	RING1	cg09724776	-0.122256472701777	185	-1.63881004578495	0.103029114727027	0.0149466451174803	0.243324739370021
PAAD	RING1	cg09832551	-0.404448345256445	185	-5.88351808673628	1.96550818190681e-08	0.163578463980676	5.0580464274978e-07
PAAD	RING1	cg09869033	-0.0732885361725356	185	-0.977669726573628	0.329572047592554	0.00537120953431307	0.52921187834985
PAAD	RING1	cg10265934	-0.0592030928414865	185	-0.789029912719951	0.431150130870102	0.00350500620199767	0.625121485060269
PAAD	RING1	cg12065531	0.0466220996802447	185	0.62094190698315	0.535436634171501	0.00217362017859467	0.711837447659337
PAAD	RING1	cg12115664	-0.353846289779234	185	-5.03325204477511	1.17915807157594e-06	0.12520719679053	1.97995732830086e-05
PAAD	RING1	cg12256228	-0.150512940817109	185	-2.02551907247966	0.0443159923402699	0.0226541453534146	0.132088824065861
PAAD	RING1	cg14046664	-0.080544608063994	185	-1.07506920909945	0.283807040095218	0.00648743388818241	0.481065146032626
PAAD	RING1	cg14363494	0.0127239993158432	185	0.169295505804691	0.865757534754339	0.000161900158589578	0.92871954852012
PAAD	RING1	cg18189601	-0.183836679811617	184	-2.48115599067332	0.0140344845411179	0.0337959248441589	0.0554578498700526
PAAD	RING1	cg20505183	-0.0467851592366524	185	-0.62311839052124	0.534008790749135	0.00218885112479892	0.710937052287159
PAAD	RING1	cg24536938	0.11256435303684	185	1.50715010273228	0.133554888590121	0.0126707335746024	0.291533214700237
PAAD	RING1	cg24550302	-0.205893150949452	185	-2.79920463155817	0.00569135841830296	0.0423919896078939	0.0275138911753331
PAAD	RNF17	cg00202166	-0.745875826205542	185	-14.8978466446817	4.65061342717805e-33	0.5563307481178	1.44715928381556e-30
PAAD	RNF17	cg01405147	0.0122264866940619	185	0.16267498518268	0.870959914428222	0.000149486976880072	0.931487311937601
PAAD	RNF17	cg07131398	-0.314483172683464	159	-4.07098320357377	7.52751027005652e-05	0.0988996659010576	0.000754341277790516
PAAD	RNF17	cg12020676	-0.176773973596078	185	-2.38945515422936	0.0179242818439124	0.031249037740947	0.0669130755681808

PAAD	RNF17	cg14855529	-0.121940865174111	185	-1.63451548395066	0.103927943972429	0.0148695745994107	0.244865542231242
PAAD	RNF17	cg15523998	0.0424276501393998	185	0.564971905837627	0.572808232930533	0.00180010549635131	0.740374755699148
PAAD	RNF17	cg17806989	-0.956839827460064	185	-43.8032820065192	6.36473271521419e-97	0.915542455413805	1.65046005615791e-93
PAAD	RNF17	cg20477497	-0.232546719774557	185	-3.18104038401766	0.00173309882513735	0.0540779768779064	0.0105804422213792
PAAD	RNF17	cg21831927	0.0466426584964124	185	0.62121631885119	0.535256504296033	0.00217553759161295	0.711722670451622
PAAD	RNF17	cg23678722	-0.162955382876828	185	-2.19735139436012	0.0292938093318422	0.0265544568085336	0.0969819815797656
PAAD	RNF17	cg24753530	-0.249666415091679	185	-3.43022427848483	0.00075047292320593	0.0623333188247304	0.0052857326581631
PAAD	RNF20	cg04845236	-0.183349555778148	185	-2.48137194627203	0.0140209081817014	0.0336170596040444	0.0554154616210575
PAAD	RNF20	cg14625770	0.147772081231121	185	1.9878028829289	0.0483753677492971	0.021836587991377	0.140763544368387
PAAD	RNF20	cg21219529	0.0442688033152714	185	0.589536070277183	0.556253478997058	0.00195972694696618	0.727647269969684
PAAD	RNF217	cg00991794	-0.286148179336359	185	-3.97308705231021	0.000103136083859254	0.0818807805375129	0.000989317941769022
PAAD	RNF217	cg02312409	-0.302712524694108	185	-4.22558455872276	3.81020466818391e-05	0.0916348726066812	0.000419708675489882
PAAD	RNF217	cg03113502	-0.224186040643967	185	-3.06050218455	0.00255384518837755	0.0502593808196185	0.0144866687115354
PAAD	RNF217	cg06993703	-0.276039213166518	185	-3.82091944735689	0.000183863525657238	0.0761976472055905	0.00161602972714712
PAAD	RNF217	cg07439975	-0.226055543356358	185	-3.0873923583058	0.00234454686532207	0.0511011086821381	0.013521512257459
PAAD	RNF217	cg10621825	-0.274106641225576	185	-3.79198743803415	0.000204837702484689	0.0751344507639668	0.00177128074047801
PAAD	RNF217	cg16203203	-0.349651765922272	185	-4.96522019217114	1.60614825370869e-06	0.122256357412563	2.60147927119102e-05
PAAD	RNF217	cg17382198	-0.326510820358084	185	-4.59582519300569	8.16992696836406e-06	0.106609315810909	0.00010937382525846
PAAD	RNF217	cg18192252	-0.280532093188464	185	-3.88837586301761	0.000142588808263896	0.0786982553087013	0.00130423912405427
PAAD	RNF217	cg19171596	-0.290406983215325	185	-4.03762210839721	8.0304908373749e-05	0.0843362159002258	0.000797291316493051
PAAD	RNF217	cg19478500	-0.323238425108026	185	-4.54435988236836	1.01759964956948e-05	0.104483079466317	0.000133047306115308
PAAD	RNF217	cg20034100	0.336342796860359	185	4.75157862136315	4.1592431204541e-06	0.113126476999849	6.05811944041577e-05
PAAD	RNF217	cg23521835	-0.321982634967305	185	-4.52465843070994	1.1063149057019e-05	0.103672817220489	0.00014313098582101
PAAD	RNF217	cg24822696	-0.172057390385536	185	-2.32372863099017	0.0212762439471041	0.0296037455862806	0.076341687266317
PAAD	RPH3A	cg00851732	8.03570595648203e-05	185	0.00106980114764841	0.999148200771349	6.45725702190408e-09	0.999572216545651
PAAD	RPH3A	cg00854817	-0.0493510674348358	185	-0.65737426321314	0.511794223442621	0.00243552785695771	0.693801969443684
PAAD	RPH3A	cg01119407	-0.116455406883517	185	-1.55995245841563	0.120557313473638	0.0135618617924055	0.271525847431991
PAAD	RPH3A	cg01573562	0.16443590492464	185	2.21786755071689	0.0278363895249501	0.0270391668283851	0.0933688650327239
PAAD	RPH3A	cg05967001	-0.0836747369437506	185	-1.11713763845776	0.265449592974839	0.00700146160260585	0.461182875938196
PAAD	RPH3A	cg08254200	-0.115489382305079	185	-1.54683662336028	0.123688741347332	0.0133377974252087	0.27646060730267
PAAD	RPH3A	cg09384610	-0.0411324898105623	185	-0.547695699113198	0.584590856057168	0.00169188171801601	0.749183089074862
PAAD	RPH3A	cg11596863	-0.0346083803798007	185	-0.460710542557401	0.645571838382161	0.00119773999251298	0.792214020177017
PAAD	RPH3A	cg16403344	0.103022607154962	185	1.37795874039798	0.169955574376598	0.0106136575850057	0.343639349007228
PAAD	RPH3A	cg17453780	-0.0797024357700482	185	-1.0637560676672	0.288888301579498	0.00635247826767866	0.486434850610927
PAAD	RPH3A	cg18629535	0.0968675357106201	185	1.29482795282026	0.197066089476723	0.00938331947464825	0.379276347279186
PAAD	RPH3A	cg19712198	0.126102045806919	185	1.69117881811966	0.092562646867447	0.0159017259566903	0.225384786704002
PAAD	RPH3A	cg20704159	-0.155973522417511	185	-2.10080399447486	0.0370746034352127	0.0243277396953257	0.115765501310064
PAAD	RPH3A	cg21900624	-0.0744600792921236	185	-0.993384564676383	0.32187866221839	0.00554430340818933	0.521313455155987
PAAD	RPH3A	cg23199238	0.269548357700626	182	3.69224877707826	0.00029726077772147	0.0726563171391047	0.00242579512661954
PAAD	RPH3A	cg23549179	0.120123890509742	185	1.60980113640889	0.109223289325225	0.0144297490711966	0.253639300590046
PAAD	RPH3A	cg23596620	0.016834480211611	185	0.223999935275594	0.823015699067227	0.000283399723995122	0.90474290381251
PAAD	RTF1	cg04910470	-0.0494894501996857	185	-0.659222091624385	0.510609900609408	0.00244920568106717	0.692852047582326
PAAD	RTF1	cg07091958	0.130996140862771	185	1.75793867441974	0.0804864926305523	0.0171599889209388	0.203893523322192
PAAD	RTF1	cg07129439	0.145998693505311	185	1.96342480703181	0.0511633702295971	0.0213156185052576	0.146724784297611
PAAD	RTF1	cg15581235	0.242525785230905	185	3.32589030172875	0.00107161786771218	0.0588187565018672	0.00711187855321627
PAAD	RTF1	cg18782716	0.143772281070308	185	1.93284652617043	0.0548511586489248	0.0206704688041597	0.154319591911123
PAAD	RTF1	cg22263512	0.296383015600924	185	4.12862199891103	5.61471680919026e-05	0.0878428919366976	0.000586769585510675
PAAD	RTF1	cg24280607	0.01698132595898	185	0.225954428941173	0.821497567219389	0.000288365431325128	0.904194764276025
PAAD	RTF1	cg27576415	0.361936834165453	185	5.16546111381048	6.41503718033124e-07	0.130998271925711	1.15414292878513e-05
PAAD	SATB1	cg01069104	-0.302342968936505	185	-4.21990655412009	3.89840474652091e-05	0.0914112708653402	0.00042804869280289
PAAD	SATB1	cg01373248	0.108981323670907	185	1.45858986622443	0.146450247523989	0.011876928909063	0.310676093672966
PAAD	SATB1	cg04004754	-0.2368778280116	185	-3.24377414025927	0.00141013550555687	0.056111105403493	0.00893104954158518
PAAD	SATB1	cg14415616	-0.416072746162882	185	-6.08742673678699	6.93558341560594e-09	0.173116530099522	1.95985025874918e-07
PAAD	SATB1	cg19818826	-0.0569420114871366	184	-0.756648819895139	0.450271954116351	0.00324239267220119	0.641176799393001
PAAD	SATB1	cg26131754	-0.253879105904702	185	-3.49205567822278	0.000605285627288534	0.0644546004149708	0.00440565027032974
PAAD	SATB1	cg26768584	-0.0849304132414013	185	-1.1340230129046	0.258318446414755	0.00721317509335519	0.452943873774603
PAAD	SCML2	cg00457389	-0.116510505208156	185	-1.56070067009412	0.12038058082785	0.0135746978238597	0.271304447097796

PAAD	SCML2	cg04189389	0.0631874390516668	185	0.842337462435458	0.400735818249125	0.00399265245390811	0.597287853869648
PAAD	SCML2	cg05049545	-0.124952954936294	185	-1.67552257035744	0.0955974012621745	0.0156132409473115	0.230582164528431
PAAD	SCML2	cg06131666	0.0255321078866913	185	0.339793374146185	0.734415008742674	0.000651888533137645	0.850270162015746
PAAD	SCML2	cg08300622	-0.105027244055602	185	-1.40506754557284	0.161753833150874	0.011030721993915	0.332175642683572
PAAD	SCML2	cg17710066	0.312308296403059	185	4.37376379012368	2.08046628056234e-05	0.0975364720021809	0.000247935030839914
PAAD	SCML2	cg17727916	-0.0951561373755728	185	-1.27174077097408	0.205133684395473	0.00905469048023888	0.389394608458871
PAAD	SCML2	cg22823767	-0.0813279561478657	185	-1.08559422787311	0.279134871519598	0.00661423645118916	0.476175212047356
PAAD	SCML2	cg26246138	-0.118128003512734	185	-1.58267214530048	0.115281394169569	0.0139542252139045	0.26330595355336
PAAD	SCML4	cg00977377	-0.00543105351451326	185	-0.0722565331559433	0.942479339130893	2.94963422775068e-05	0.969395215225279
PAAD	SCML4	cg03500965	-0.457420868521258	175	-6.64737492946266	4.04951199531595e-10	0.209233850958742	1.43651498478618e-08
PAAD	SCML4	cg05603896	-0.418889617141097	185	-6.13737423822541	5.35598822668539e-09	0.175468511348615	1.54491563999541e-07
PAAD	SCML4	cg08792995	-0.307730333910021	185	-4.30288948030413	2.78401153008872e-05	0.0946979584083731	0.000319250284451241
PAAD	SCML4	cg17388996	-0.179418370901888	185	-2.42637936093414	0.0162535772716326	0.0321909518170875	0.0620521976450599
PAAD	SCML4	cg23503775	-0.374778621522483	185	-5.37809101743058	2.35719173506747e-07	0.140459015150293	4.68391759483625e-06
PAAD	SCML4	cg27353361	-0.125059151333561	185	-1.67696919732098	0.0953136648532261	0.0156397913322704	0.230138466233957
PAAD	SCML4	cg27659622	-0.294200276807518	185	-4.09532360071764	6.404590721384e-05	0.0865538028736203	0.000659045939919771
PAAD	SETD1A	cg26692825	-0.0163998195175684	185	-0.218214754693771	0.827513171382009	0.000268954080208817	0.90731141693669
PAAD	SETD6	cg01152986	-0.0887329224035241	185	-1.18518978660926	0.237531216683362	0.00787353151826983	0.42900432917757
PAAD	SETD6	cg01472538	-0.08444861002009	185	-1.12754345274895	0.261038939604201	0.00713156773432525	0.456312232154445
PAAD	SETD6	cg01773760	-0.165005253955641	185	-2.2257613293603	0.0272926638590122	0.0272267338329657	0.0919933055566724
PAAD	SETD6	cg02549819	-0.123798205206927	181	-1.64093418915325	0.102627886780708	0.0153259956124564	0.242679517402222
PAAD	SETD6	cg05502081	-0.146130647065625	185	-1.96523805244241	0.05095142732123	0.0213541660118184	0.146282565590476
PAAD	SETD6	cg09132913	-0.112780464505263	185	-1.51008091157276	0.132805890928401	0.0127194331740229	0.290406495358781
PAAD	SETD6	cg19824325	-0.152640612488442	185	-2.05483025615489	0.0413648550231047	0.0232991565808467	0.1254232747193
PAAD	SETD6	cg26666090	-0.153192551557058	185	-2.06243862729808	0.0406268432477202	0.023467957852562	0.123736036276049
PAAD	SETD7	cg05316864	-0.113748347243499	185	-1.52320958164391	0.129490914054247	0.0129386865006276	0.285346426243928
PAAD	SETDB1	cg02060408	-0.116627231656734	185	-1.56228581359585	0.120006834978088	0.0136019111639135	0.270725687355655
PAAD	SETDB1	cg08531528	-0.0738575522300713	185	-0.985301878402752	0.325820753340932	0.00545493802141771	0.525291685188578
PAAD	SETDB1	cg10589385	-0.215467687168423	185	-2.93556469801981	0.00377147997675824	0.0464263242137092	0.0198013253937507
PAAD	SETDB1	cg10961700	-0.104904644529233	185	-1.40340913237075	0.162246770580095	0.0110049844438047	0.332878045140773
PAAD	SETDB1	cg12082615	-0.0388217077455214	185	-0.516878876365047	0.605885962823257	0.00150712499227868	0.764434917722837
PAAD	SETDB1	cg15448220	0.0231071533811025	185	0.307502786077923	0.758822220368231	0.000533940537377794	0.865670691742817
PAAD	SETDB1	cg16370685	-0.0890581474624605	175	-1.16923242323853	0.243937259418372	0.00793135362944535	0.436641015144447
PAAD	SETDB1	cg17899625	-0.0903620386804205	185	-1.20712711178884	0.228993893074033	0.00816529803448181	0.418958993556299
PAAD	SETDB1	cg17918089	0.0351494031236577	185	0.467921536940737	0.640416340741949	0.0012354805399494	0.788749110437578
PAAD	SETDB1	cg19689029	-0.233363361052837	185	-3.19285353948067	0.00166747374118527	0.0544584582818766	0.0102545021519183
PAAD	SETDB1	cg26820223	-0.0298930944109516	185	-0.397879566256955	0.691198426155693	0.000893597093462067	0.822527501634558
PAAD	SETMAR	cg00300090	-0.0622940902349153	185	-0.830381703714054	0.40744164001064	0.00388055367819577	0.603639660686505
PAAD	SETMAR	cg02520519	-0.0193086668921445	185	-0.256933005066139	0.797528913093708	0.000372824617151799	0.889275373598382
PAAD	SETMAR	cg06021447	-0.101021905554151	185	-1.3509200734506	0.178445438031668	0.0102054254017918	0.355037964353851
PAAD	SETMAR	cg06267913	-0.166622392163162	185	-2.24819475795917	0.0257975986521101	0.0277630215701747	0.0882075593153239
PAAD	SETMAR	cg14751177	-0.095196676230297	185	-1.27228751760439	0.204939870738286	0.00906240716529599	0.389121651474525
PAAD	SETMAR	cg14961031	-0.0250327841056795	185	-0.333143928608867	0.739419925974029	0.00062664028008156	0.853220929399924
PAAD	SETMAR	cg15232450	-0.0961472542887847	185	-1.28510977983508	0.200432996870487	0.00924429450727224	0.383453641122517
PAAD	SETMAR	cg15384599	-0.0303918250425812	185	-0.404523799012006	0.686315988620802	0.000923663029418863	0.819437442733848
PAAD	SETMAR	cg16423812	-0.259139170080342	185	-3.56955857234698	0.000460420094742017	0.0671531094699282	0.00349852713912488
PAAD	SETMAR	cg21901604	-0.0558771616692043	185	-0.744560548735163	0.457524823032753	0.0031222571962064	0.647699692885492
PAAD	SETMAR	cg22149154	-0.122486525970407	185	-1.64194076430196	0.102377808913518	0.0150029490442991	0.242277226496463
PAAD	SETMAR	cg23182840	0.0319110979957919	185	0.424765874514073	0.671523247968819	0.00101831817529704	0.809729052521642
PAAD	SETMAR	cg23549342	-0.0550178683697505	185	-0.733075469536569	0.46448216058434	0.00302696583995119	0.653700072373148
PAAD	SETMAR	cg24390964	-0.090566126386698	185	-1.20987599729312	0.227939841431518	0.00820222324869136	0.417751166712108
PAAD	SETMAR	cg26797270	-0.0366603683060715	185	-0.488062562004581	0.626109576603611	0.00134398260433681	0.778805538765851
PAAD	SETMAR	cg27265118	-0.0450225047127767	185	-0.599593471057426	0.549543959756836	0.002027025930612	0.722441915731434
PAAD	SFMBT2	cg09060610	-0.24256133371033	185	-3.32640827068776	0.00106974633759675	0.0588360006113339	0.00710127541488196
PAAD	SFMBT2	cg12328063	-0.343260603723677	184	-4.84845782738589	2.72247735858376e-06	0.117827842068743	4.1584999731723e-05
PAAD	SFMBT2	cg20299663	-0.324218281235492	185	-4.55975095763304	9.53101769450472e-06	0.105117493887296	0.000125521582956882
PAAD	SFMBT2	cg25291138	-0.346522301317548	185	-4.91468471473143	2.01682491823415e-06	0.12007770531041	3.18443023521631e-05

PAAD	SHPRH	cg00571935	-0.243174866484705	185	-3.33535016536408	0.00103791427415571	0.0591340156898542	0.00692542268150523
PAAD	SHPRH	cg02758840	0.178158952359289	185	2.40878714732415	0.0170315429235996	0.0317406123057592	0.0643305423479562
PAAD	SHPRH	cg06708562	0.218835012195036	185	2.98373051032008	0.00324987405055791	0.0478887625624014	0.0175643116499307
PAAD	SHPRH	cg11387577	0.0397650428256384	185	0.529458256761438	0.597151024450277	0.00158125863092486	0.758135719137755
PAAD	SHPRH	cg11675148	0.0924977448521906	185	1.23590089474872	0.218133095821159	0.00855583280274095	0.40573465130813
PAAD	SHPRH	cg12989205	0.202099528015932	185	2.74541092862904	0.00666735269664001	0.0408442192242623	0.0311694723763387
PAAD	SHPRH	cg14102550	-0.046172123054487	185	-0.614935974246916	0.539386758075379	0.00213186494735869	0.714766011271694
PAAD	SHPRH	cg15443174	0.100530674734544	185	1.34428383428315	0.180576989863785	0.0101064165625827	0.357722034064822
PAAD	SHPRH	cg16339435	0.197070725214479	185	2.67430044515448	0.00818995794329558	0.0388368707365605	0.0365872050212896
PAAD	SHPRH	cg18099523	-0.222101243669765	185	-3.03055724541343	0.00280711603504055	0.0493289624396561	0.0156150722080761
PAAD	SHPRH	cg26814539	0.153244473640367	185	2.06315446456227	0.0405579899971515	0.0234838687013132	0.123596375502915
PAAD	SHPRH	cg27398948	0.0152574824472058	185	0.203011232540124	0.839359436926028	0.000232790770626794	0.914026344660808
PAAD	SIN3A	cg01088093	0.0527344933124237	185	0.702564372286772	0.483250215702482	0.00278092678491806	0.670148085143123
PAAD	SIN3A	cg01664094	0.146598865909808	185	1.97167296708865	0.0502052519395778	0.0214912274860419	0.144713304286469
PAAD	SIN3A	cg02028562	0.031843212894769	185	0.423861343623297	0.672181592931201	0.00101399020746158	0.810208946007168
PAAD	SIN3A	cg07544511	-0.0377468646741852	185	-0.502547520919218	0.615907112389797	0.00142482579273125	0.771647011760615
PAAD	SIN3A	cg10483776	0.205366782747986	185	2.79173290503632	0.0058186608186765	0.0421755154562585	0.0279942143598583
PAAD	SIN3A	cg11184237	-0.272472456740828	185	-3.76756128546656	0.000224290569973109	0.0742412396823826	0.00191048511994832
PAAD	SIN3A	cg15851274	-0.264419983568021	185	-3.64770972015649	0.000347840243765415	0.0699179277101123	0.00276544546995265
PAAD	SIN3A	cg22059910	0.0996606366302936	185	1.33253256568111	0.184398176118191	0.00993224249355542	0.362825822376642
PAAD	SIN3A	cg25697800	0.0330201840112902	185	0.439544666043457	0.660803101498928	0.00109033255213946	0.802617171088396
PAAD	SIN3B	cg06815056	-0.081272413905557	185	-1.08484789910417	0.279464426964564	0.00660520526203618	0.476497076914069
PAAD	SIRT1	cg02720207	0.0183173545359936	185	0.243737445506682	0.807716443463227	0.000335525477197284	0.89588372925915
PAAD	SIRT1	cg03211233	-0.0042680031083164	185	-0.0567826054085762	0.954782419159742	1.82158505325984e-05	0.97597192715476
PAAD	SIRT1	cg07832903	-0.129435571346808	185	-1.73663715534703	0.0841910741300685	0.0167535671298746	0.210556176328507
PAAD	SIRT1	cg10582690	0.20482270864344	185	2.78401250385087	0.00595291469947343	0.0419523419760356	0.0284950188365023
PAAD	SIRT1	cg10705386	-0.00965419195417481	185	-0.12844665610945	0.89794133880852	9.32034222880537e-05	0.946011680655327
PAAD	SIRT1	cg19192316	0.130671974438078	185	1.75351276725457	0.0812450182813184	0.0170751649035458	0.205210924490844
PAAD	SIRT1	cg19681528	0.302658653999165	185	4.22475673696359	3.82294374173119e-05	0.0916022608405862	0.000420653586201182
PAAD	SIRT1	cg19980381	-0.00897057405259453	185	-0.119350527729657	0.905133007453009	8.04711988330822e-05	0.949691373297898
PAAD	SIRT1	cg25513531	-0.0233180571556675	185	-0.310310947674134	0.756689586858877	0.000543731789514975	0.864325619749879
PAAD	SIRT4	cg04118464	-0.17150942363408	172	-2.22942687359142	0.027143727596442	0.0294154823952944	0.0916262754767686
PAAD	SIRT4	cg07106325	-0.0172255373427323	185	-0.229204876272011	0.818974312339363	0.000296719136745863	0.902639338200754
PAAD	SIRT4	cg08264848	-0.191080638661129	184	-2.5825564333044	0.0106200320939459	0.0365118104711449	0.0446774160024024
PAAD	SIRT4	cg12124973	-0.200722258390401	185	-2.72591323185899	0.00705700717901116	0.040289425013343	0.0326005235441802
PAAD	SIRT4	cg20010714	0.0464500236209559	185	0.618645127067458	0.536945497106513	0.00215760469438736	0.712959973645411
PAAD	SIRT4	cg21068152	-0.134171191848027	185	-1.80131883036278	0.0733547208346787	0.01800190872192	0.190797323635461
PAAD	SIRT4	cg21123573	-0.229470086347416	166	-2.96347240401243	0.00351284025810685	0.0526565205282905	0.0186974062526266
PAAD	SIRT5	cg01064902	-0.0987316409253681	185	-1.31998838678103	0.188543461030587	0.00974793691981583	0.368161395768411
PAAD	SIRT5	cg02206980	-0.111087127560395	185	-1.48712239757607	0.138761711083957	0.0123403499096194	0.299398933630989
PAAD	SIRT5	cg02712746	-0.085599716072818	185	-1.14302550373029	0.254571680068887	0.00732731139174705	0.44880907581197
PAAD	SIRT5	cg06139021	0.0530527941110012	185	0.706816922831669	0.48060971871169	0.00281459896298428	0.667867394116987
PAAD	SIRT5	cg07534331	-0.153406005521037	185	-2.06538157764702	0.0403444114307856	0.0235334025299205	0.123169416334538
PAAD	SIRT5	cg07909422	-0.0347682917698544	185	-0.46284187095881	0.644046242522855	0.00120883411259373	0.791090621006458
PAAD	SIRT5	cg08619119	-0.0711480456859139	185	-0.948968089739505	0.343930720258283	0.00506204440492488	0.54326118061848
PAAD	SIRT5	cg10907941	-0.207890129667363	185	-2.82757461853966	0.00523073483119369	0.0432183060131131	0.0257023613856671
PAAD	SIRT5	cg11824369	-0.0794916474083134	185	-1.0609248469563	0.290169548860219	0.00631892200768761	0.487726592572476
PAAD	SIRT5	cg19366958	-0.105485705863641	185	-1.41126976832873	0.159920421922475	0.0111272341415506	0.329666905208514
PAAD	SIRT5	cg20150972	-0.0771877634892067	185	-1.02998929899675	0.304420425936439	0.00595795083246571	0.503017897521226
PAAD	SIRT7	cg11691214	-0.0542167216400619	185	-0.722369033675308	0.471020941822234	0.00293945290539595	0.659395413858536
PAAD	SIRT7	cg12710567	-0.0737379236842287	179	-0.966880656896997	0.334969169038771	0.00543728138926114	0.534546176048784
PAAD	SIRT7	cg17552093	-0.211873150226109	185	-2.88427000627851	0.00441046241595857	0.0448902317867353	0.0224473348503161
PAAD	SIRT7	cg20397086	-0.0184025662954234	183	-0.243484301527147	0.807915429240483	0.000338654446257453	0.896002236796597
PAAD	SMARCA	cg03460558	-0.0527680028513982	185	-0.703012055052707	0.482971866600576	0.00278446212492517	0.669929273773718
PAAD	SMARCA	cg06675660	-0.0272943225560051	185	-0.363262680646004	0.716842140272854	0.000744980043791248	0.839091445386494
PAAD	SMARCA	cg08617833	-0.261972750562543	185	-3.61144966219485	0.000396392608367879	0.0686297220373043	0.0030815395798312
PAAD	SMARCA	cg12935118	-0.0955167848100731	185	-1.27660503948598	0.203414087531566	0.00912345618045381	0.387245387760148

PAAD	SMARCA	cg17420696	-0.107212894635803	185	-1.43464395534992	0.153153079388461	0.0114946047761878	0.320287928652543
PAAD	SMARCA	cg18959966	-0.176277756538214	185	-2.3825323639416	0.0182538838296382	0.031073847450146	0.067853719354113
PAAD	SMARCA	cg24447042	-0.342030271851646	185	-4.84247141887876	2.78452747330794e-06	0.116984706862911	4.23747124918853e-05
PAAD	SMARCA	cg26010110	-0.220358399909762	185	-3.0055575201082	0.00303606521955393	0.0485578244107908	0.0166189642958329
PAAD	SMARCA	cg27353825	-0.16079144618313	166	-2.06068154736656	0.0409522856579804	0.0258538891656625	0.124495588529774
PAAD	SMARCA	cg04518912	-0.16481324823987	185	-2.22309899778718	0.0274750040911521	0.0271634067953769	0.0924504356443017
PAAD	SMARCA	cg13529335	0.0391009179196862	185	0.520602000412612	0.603294673140868	0.00152888178216204	0.762352481235818
PAAD	SMARCA	cg14290704	-0.219143034278245	185	-2.9881419779287	0.00320557655417134	0.0480236694726761	0.0173913538221079
PAAD	SMARCA	cg21210735	-0.196122901816782	185	-2.66092241927947	0.00850924412886709	0.0384641926170349	0.0376781910046722
PAAD	SMARCA	cg08405378	-0.0270150896128832	185	-0.359543615145311	0.719617047434346	0.000729815066792108	0.840906842802456
PAAD	SMARCA	cg17218495	-0.0170810832650394	185	-0.227282191237565	0.820466626257882	0.00029176340550721	0.903493568869606
PAAD	SMARCA	cg17747332	-0.00411844152654143	185	-0.0547927654926428	0.956365361475606	1.69615606075409e-05	0.976973814959796
PAAD	SMARCA	cg18522266	-0.0042920049352955	185	-0.0571019377221328	0.954528402930031	1.8421306364601e-05	0.975866145079559
PAAD	SMARCA	cg23892580	-0.0135152785858542	185	-0.17982551121718	0.857495258542173	0.000182662755253249	0.924188941460085
PAAD	SMARCA	cg01278696	0.0703418593419267	185	0.938161450338825	0.349439848171305	0.00494797717567939	0.548480187814266
PAAD	SMARCA	cg01575392	-0.37077165593273	185	-5.31136886147942	3.23662039444865e-07	0.137471620843099	6.23087470838254e-06
PAAD	SMARCA	cg02782292	0.280287584942347	185	3.88469771824037	0.000144591452537025	0.0785611302728132	0.00131883543893368
PAAD	SMARCA	cg05358385	-0.0720769907312861	185	-0.961422584750734	0.33765128989587	0.00519509259287791	0.537085579695327
PAAD	SMARCA	cg10878459	-0.381531155903385	185	-5.49132801711906	1.36810445073802e-07	0.145566022924973	2.88820400653224e-06
PAAD	SMARCA	cg12253543	-0.222129480262365	185	-3.03096252788769	0.00280353900212813	0.0493415060016285	0.0155996377091683
PAAD	SMARCA	cg13848802	-0.263430312923773	162	-3.38878129289695	0.000891602368449178	0.0693955297671167	0.00610306332170131
PAAD	SMARCA	cg13898584	-0.0462737391131904	185	-0.616292232246984	0.53849345699286	0.00214125893151561	0.714141834185178
PAAD	SMARCA	cg16091845	0.136299708739703	185	1.83043191846842	0.0688671912933817	0.018577610602528	0.182158181614951
PAAD	SMARCA	cg16587443	-0.253809411660302	170	-3.33983170691386	0.00104044983711954	0.0644192174473489	0.00693996009850615
PAAD	SMARCA	cg19993723	0.0717858603953461	185	0.957519090951044	0.339611349963204	0.00515320975270012	0.538848161514123
PAAD	SMARCA	cg20045045	-0.026999027253903	185	-0.359329685346023	0.719776780731503	0.000728947472656997	0.84100803364714
PAAD	SMARCA	cg22077701	-0.0459064343914896	185	-0.611389948115866	0.541725884424118	0.00210740071854014	0.716573591195474
PAAD	SMARCA	cg24607315	-0.313440097823872	185	-4.39133768124382	1.93446443664493e-05	0.0982446949238387	0.000232507801547157
PAAD	SMARCB	cg01745726	-0.0976215208716948	185	-1.30500306333126	0.193585817563117	0.00952996133730274	0.374687510051629
PAAD	SMARCB	cg01912455	-0.176107364303648	185	-2.38015563186844	0.0183682705396231	0.0310138037619779	0.0681779301664889
PAAD	SMARCB	cg03979008	-0.0376969636149548	185	-0.50188221096381	0.616374106732953	0.00142106106578722	0.77202072547389
PAAD	SMARCB	cg10122452	0.111261278326409	185	1.48948295093686	0.138139935166672	0.0123790720548267	0.298473319434252
PAAD	SMARCB	cg16142952	-0.109794420986901	185	-1.46960452813418	0.143444103614183	0.0120548148798489	0.306324373344361
PAAD	SMARCB	cg19906397	0.0760275955355105	185	1.01441738571717	0.311768284163303	0.00578019528291118	0.510647252362305
PAAD	SMARCC	cg02564102	0.192464031642185	185	2.60935176707526	0.0098477185792017	0.0370424034759641	0.0420999845661602
PAAD	SMARCC	cg02627110	0.157122806295662	185	2.11667403418397	0.035685111768658	0.0246875762582243	0.112447998985663
PAAD	SMARCC	cg05592996	-0.00301251915394032	184	-0.0399657641800106	0.968165719922434	9.07527165285731e-06	0.983312139983066
PAAD	SMARCC	cg07143957	0.221527080844778	185	3.02231797018391	0.00288075350835296	0.0490742475476089	0.0159351076220487
PAAD	SMARCC	cg07304068	-0.00261591443154503	185	-0.0348025970270041	0.972276366539106	6.84300831316557e-06	0.985386308557214
PAAD	SMARCC	cg07474652	0.011915364732646	185	0.158534871817279	0.874216078396843	0.000141975916711983	0.933396912548434
PAAD	SMARCC	cg12894336	-0.0362661259385967	185	-0.482807030443989	0.629829362691691	0.00131523189059416	0.781600074037095
PAAD	SMARCC	cg16250355	0.233581469676765	185	3.19600980571805	0.00165033435888297	0.0545603029763576	0.010165976016703
PAAD	SMARCC	cg20685352	-0.0631389384525201	185	-0.841688323110468	0.401098186163354	0.00398652554891112	0.59769053929418
PAAD	SMARCC	cg22984439	0.0442235574361953	185	0.588932340971914	0.556657518998608	0.00195572303231246	0.7280044219114
PAAD	SMARCD	cg02553054	0.28917801645234	185	4.01897252009164	8.63531258511512e-05	0.0836239251993101	0.000847880231284167
PAAD	SMARCD	cg04550398	-0.158576315165058	185	-2.13675764190105	0.0339911124440809	0.0251464477313279	0.108373139404706
PAAD	SMARCD	cg09878554	-0.0391629325072492	185	-0.521428949581977	0.602719800452366	0.00153373528256735	0.76199736980793
PAAD	SMARCD	cg13349421	-0.184486237928023	185	-2.49729559539275	0.0134275393976533	0.0340351719848352	0.0536398274571759
PAAD	SMARCD	cg17846064	-0.0801834798804957	185	-1.07021778851444	0.285978517912432	0.00642939044574586	0.483261204763224
PAAD	SMARCD	cg18591973	-0.0683249314620777	185	-0.911133299178944	0.363464329593427	0.00466829625929762	0.562402419770688
PAAD	SMARCD	cg20405918	-0.121842213429265	185	-1.63317320477345	0.104210161268266	0.0148455249733425	0.245329861876334
PAAD	SMARCD	cg22402853	-0.253900094938343	185	-3.49236427080756	0.00060463209772882	0.0644652582096998	0.00440254112824256
PAAD	SMARCD	cg25107077	-0.163502331639175	185	-2.20492888664656	0.0287479867490231	0.0267330124514468	0.0956266678562237
PAAD	SMARCD	cg00945038	0.115097748619733	185	1.5415206339417	0.124976034486511	0.0132474917373313	0.27834709344223
PAAD	SMARCD	cg02127607	0.0388031959349569	185	0.516632035189236	0.606057941429315	0.00150568801476665	0.76452790698004
PAAD	SMARCD	cg02360836	-0.0749510698851557	185	-0.999971837444646	0.318689232212593	0.00561766287692949	0.518002342841697
PAAD	SMARCD	cg04367190	0.0496579790806336	185	0.66147251326206	0.509169498581406	0.00246591488637265	0.69164190627976

PAAD	SMARCD	cg06420487	-0.062381194414589	185	-0.831547337295118	0.406784898718025	0.00389141341659075	0.602951746312155
PAAD	SMARCD	cg07362569	0.0577806226453008	184	0.767829391200734	0.443617476378056	0.00333860035327864	0.635744933264949
PAAD	SMARCD	cg11697258	-0.103925945126662	185	-1.39017250353683	0.166222208165314	0.01080060207047	0.338554534939455
PAAD	SMARCD	cg12577610	-0.189412080533609	185	-2.56642201216864	0.0111030790459662	0.0358769362520704	0.0462642169952809
PAAD	SMARCD	cg15868002	-0.028900249725337	185	-0.38465348463413	0.700955932484349	0.000835224434186843	0.828674262224291
PAAD	SMARCD	cg19016967	-0.147005359114014	185	-1.97726066024468	0.0495648310958649	0.0216105756082403	0.143358340488351
PAAD	SMARCD	cg19143629	-0.0513086624071505	185	-0.68351765569441	0.495173588182786	0.00263257883801094	0.680039793084978
PAAD	SMARCD	cg21254277	-0.149744503279229	185	-2.0149400427025	0.0454242549873469	0.0224234162623431	0.134523672961947
PAAD	SMARCD	cg23682543	-0.194598201286358	185	-2.63941833360005	0.00904604563727514	0.0378684599438857	0.0394931294857277
PAAD	SMARCD	cg24795630	-0.177875692794954	185	-2.40483211799632	0.0172109146623265	0.0316397620872848	0.0648721249749294
PAAD	SMARCD	cg25945412	0.048427393251425	185	0.645041386298974	0.519735567166646	0.00234521241712816	0.700193943432239
PAAD	SMARCD	cg00864064	-0.0305011637735201	185	-0.405980481241231	0.685247316072749	0.000930320991539092	0.818843126625962
PAAD	SMARCD	cg02917064	-0.170322827957243	185	-2.29959885556271	0.0226384656095738	0.0290098657233527	0.0799571775915364
PAAD	SMARCD	cg14795305	-0.0187999796479642	185	-0.250161673894233	0.802752442310262	0.000353439234763868	0.892451925646081
PAAD	SMARCD	cg19786287	-0.024516750581927	185	-0.326272223176129	0.74460385243533	0.000601071059096418	0.856483814331392
PAAD	SMARCD	cg19902439	-0.166933614761378	185	-2.25251426637078	0.0255180743187144	0.0278668317373	0.0875186319829829
PAAD	SMARCD	cg22750243	-0.207213040466177	185	-2.8179514628466	0.00538302790229881	0.0429372441392375	0.0263128313929102
PAAD	SMARCD	cg22787816	-0.213136224220356	185	-2.90228020203434	0.00417561926452069	0.04542705007491	0.0214860193742414
PAAD	SMNDC1	cg03999743	0.018745661311555	185	0.249438633243946	0.803310739182273	0.00035139981800753	0.892831006661652
PAAD	SMNDC1	cg08770590	-0.0736469413204432	185	-0.982476864302285	0.327206005358067	0.0054238719658568	0.526737147960119
PAAD	SMNDC1	cg11559952	0.0487041392542223	185	0.648736317203648	0.517349631419409	0.00237209318049468	0.698266720334527
PAAD	SMNDC1	cg12486840	0.0767754785573945	185	1.02445508250551	0.307018441987071	0.00589447410771695	0.505517655638288
PAAD	SMNDC1	cg17981675	0.0474153418649758	185	0.631530402216705	0.528508532101105	0.00224821464417253	0.706912150065003
PAAD	SMNDC1	cg18209001	-0.0744346231494702	185	-0.993043057505077	0.322044584342512	0.00554051312340365	0.521484043011144
PAAD	SMNDC1	cg21872391	0.300660006168799	185	4.19407526005613	4.32492248112006e-05	0.0903964393094222	0.000468205722143354
PAAD	SMNDC1	cg23721301	0.000980436904909589	185	0.0130438709127579	0.989607482561782	9.61256524508694e-07	0.994436321090902
PAAD	SMNDC1	cg26944434	0.169324057819806	185	2.28571480880795	0.0234564330924673	0.0286706365565651	0.0821376375583095
PAAD	SMYD1	cg00578637	-0.130088247317654	185	-1.74554446924765	0.0826253956971213	0.0169229520901791	0.207682068913146
PAAD	SMYD1	cg00666842	-0.0252489820558723	185	-0.336022984466007	0.737251531874524	0.000637511094857761	0.851982317814652
PAAD	SMYD1	cg03704645	-0.0842389478755927	185	-1.12472404755549	0.262228905653403	0.00709620033918683	0.457621146897591
PAAD	SMYD1	cg14559139	-0.236041144100581	185	-3.23163940968885	0.00146787119822014	0.0557154217083114	0.00923282438505319
PAAD	SMYD1	cg16090764	-0.117345539627534	185	-1.5720418728678	0.117726685922462	0.0137699756704771	0.267258953094782
PAAD	SMYD1	cg18148488	-0.208282907792745	185	-2.83315893826554	0.00514416943543495	0.0433817696786012	0.0253522658891496
PAAD	SMYD1	cg19074493	-0.0701967505473351	185	-0.936216515707199	0.350437325366469	0.00492758378740479	0.549436117730644
PAAD	SMYD2	cg01770831	-0.0539722260790878	185	-0.719101901789534	0.473026442693326	0.00291300118793216	0.661084706145526
PAAD	SMYD2	cg04406444	0.0819544950752077	185	1.09401382473384	0.275435503455827	0.00671653926303224	0.471861474473522
PAAD	SMYD2	cg11523160	-0.0422586611107845	185	-0.562717592967959	0.574339240645618	0.00178579443887613	0.741542278173455
PAAD	SMYD2	cg14013804	0.0659982516173283	185	0.879968189852642	0.380069722805604	0.00435576921654418	0.578488857896326
PAAD	SMYD2	cg27570636	-0.0855863335499081	185	-1.14284548621333	0.254646226447122	0.00732502049051612	0.448920153649098
PAAD	SMYD5	cg01329511	-0.175996404977216	185	-2.37860802401349	0.0184430931123385	0.0309747345649044	0.068393649803664
PAAD	SMYD5	cg05103132	0.0641045273144492	185	0.854613043026348	0.393920642264853	0.00410939042220897	0.590660777232027
PAAD	SMYD5	cg06754047	0.234429407601041	185	3.20828523267001	0.00158521793099322	0.054957147148175	0.0098435858655609
PAAD	SMYD5	cg08834152	-0.0964017296612676	185	-1.28854297601868	0.199238744746209	0.00929329348168412	0.38199816483482
PAAD	SMYD5	cg15623359	0.195950411037783	185	2.65848863875286	0.00856852223477565	0.0383965635858759	0.0378716901728389
PAAD	SMYD5	cg17895873	-0.118374556766823	185	-1.58602234744952	0.114519147613551	0.0140125356897418	0.262188486107555
PAAD	SMYD5	cg20402064	-0.0249328518686776	185	-0.331813170989135	0.740422909084259	0.00062164710230542	0.853909783872556
PAAD	SMYD5	cg25886337	-0.191908186866971	185	-2.60152725760566	0.0100665540802073	0.0368287521865683	0.0428541921919474
PAAD	SMYD5	cg26467949	-0.210250279192631	185	-2.86115165459483	0.00472959659624346	0.0442051799005795	0.0237285075201963
PAAD	SP100	cg05876232	0.206236092962296	185	2.80407401230671	0.00560976348133359	0.0425333260403527	0.0272005697000041
PAAD	SP100	cg09456094	-0.459504643675176	185	-6.88300070039735	9.7878033049718e-11	0.21114451755905	3.92490912529369e-09
PAAD	SP100	cg11702456	-0.423193855093805	185	-6.21411114857207	3.59187840373291e-09	0.179093038989157	1.06773629552922e-07
PAAD	SP100	cg11827097	-0.413401468238827	185	-6.04025666247075	8.84246896601522e-09	0.170900773942018	2.44626966835771e-07
PAAD	SP100	cg23539753	-0.503237173598513	185	-7.74766884372596	6.9953882679788e-13	0.25324765289142	4.04609096594158e-11
PAAD	SP100	cg27140170	-0.00665835957728182	185	-0.0885856763577084	0.929511341821834	4.43337522603805e-05	0.962671899544514
PAAD	SP140L	cg04002454	-0.399790782040287	185	-5.80278546366589	2.95080569053273e-08	0.159832669404384	7.3106680856466e-07
PAAD	SP140L	cg05217331	0.246318896470286	185	3.38123970534153	0.000888007465212545	0.0606729987583393	0.00608220221418777
PAAD	SP140L	cg13278004	-0.426976141786669	185	-6.28196530520398	2.51663789088047e-09	0.18230862565503	7.72914836490942e-08

PAAD	SP140L	cg24044052	-0.503737179424572	185	-7.75798259016662	6.5837725930645e-13	0.253751145934623	3.8222391869298e-11
PAAD	SP140L	cg25095994	-0.487642081668178	185	-7.43107861788678	4.41715808002903e-12	0.237794799813674	2.23862147021354e-10
PAAD	SP140L	cg26847438	-0.444121576690477	185	-6.59472544058007	4.7436344309246e-10	0.197243974882035	1.6585451546937e-08
PAAD	SSRP1	cg01511567	-0.12982031513674	185	-1.74188761966199	0.0832652725849604	0.0168533142222024	0.208824451072258
PAAD	SSRP1	cg01766191	-0.0696468935451255	185	-0.928847166109831	0.354233263945683	0.00485068978048604	0.553224575110224
PAAD	SSRP1	cg02688348	0.000527347473302673	185	0.00701590279177456	0.994410066588017	2.78095357598713e-07	0.997085824562602
PAAD	SSRP1	cg04937561	0.0597177688746167	185	0.795913706857507	0.427148329762922	0.00356621191936214	0.621524201511156
PAAD	SSRP1	cg08821673	-0.0811683387738434	185	-1.08344945459545	0.280082654327047	0.00658829921930541	0.477268744895589
PAAD	SSRP1	cg09381635	0.11167680338135	185	1.49511581092779	0.136664974460534	0.0124717084134768	0.296271841247952
PAAD	SSRP1	cg11948159	-0.10290843255985	185	-1.37641526573408	0.170431842671902	0.0105901454919251	0.34424444211812
PAAD	SSRP1	cg12795368	0.0153335803107141	185	0.204024004158098	0.838569132726587	0.000235118685145119	0.913638933241816
PAAD	SSRP1	cg12911972	-0.0662100955820826	185	-0.882805165543138	0.37853894844186	0.00438377675698851	0.577152636165769
PAAD	SSRP1	cg16313264	-0.0392164510184534	185	-0.522142610527493	0.602223882706953	0.00153793003048275	0.761645214385255
PAAD	SSRP1	cg22636253	-0.0180599813604394	185	-0.240311618186707	0.810366789538555	0.000326162926739419	0.897620372840904
PAAD	SSRP1	cg26706201	0.133392128406579	185	1.79066945116252	0.0750553534904697	0.0177934599208374	0.193969044230868
PAAD	STK31	cg00755064	-0.643239701084717	185	-11.1768843072298	2.75706811219094e-22	0.413757313051555	4.44986217260959e-20
PAAD	STK31	cg05000488	-0.541090999062329	185	-8.56011329813718	5.29660565914911e-15	0.292779469266269	4.10811705531252e-13
PAAD	STK31	cg05407490	-0.60796104000137	185	-10.187321385054	1.79655201076795e-19	0.369616626159548	2.27995052407312e-17
PAAD	STK31	cg11755819	-0.639049962081513	185	-11.0535506256118	6.22063338570124e-22	0.408384854036383	9.69795498210905e-20
PAAD	STK31	cg13313214	-0.690831313834577	185	-12.7119084593528	1.01047644779304e-26	0.477247904174408	2.31884969851363e-24
PAAD	STK31	cg13514718	-0.534266670014957	185	-8.40863749605678	1.33685071412445e-14	0.285440874688871	9.89523924401499e-13
PAAD	STK31	cg13802883	-0.489772144475681	182	-7.41014486098959	5.25360860478216e-12	0.239876753504308	2.62660172108241e-10
PAAD	STK31	cg14898779	-0.634225323296176	185	-10.9135847717711	1.56341756987569e-21	0.402241760710138	2.35250495997891e-19
PAAD	STK31	cg17102984	-0.662097832928835	185	-11.7539819498574	6.01826958290309e-24	0.43837354036906	1.09389080358029e-21
PAAD	STK31	cg17331904	-0.707121035189481	185	-13.3046710867988	1.91755828080315e-28	0.500020158407443	4.89096816055082e-26
PAAD	STK31	cg21519371	-0.331338208708329	185	-4.67208463437785	5.88195659037525e-06	0.109785008550044	8.21509750433846e-05
PAAD	STK31	cg25570411	-0.39373368113206	185	-5.6985922334641	4.95920211363677e-08	0.155026211657803	1.15924329695991e-06
PAAD	STK31	cg25612145	-0.665462400506502	185	-11.860971738472	2.95409661361924e-24	0.442840206487876	5.5915083201921e-22
PAAD	SUV39H	cg05903800	-0.0457889097103524	185	-0.60982144100083	0.542762172057717	0.0020966242524628	0.717296193205776
PAAD	SUZ12	cg00160853	0.00916791374272556	185	0.121976285511617	0.903056173040454	8.40506423940562e-05	0.948753520406081
PAAD	SUZ12	cg01109633	0.109379991912294	185	1.46399007305766	0.144970393105911	0.0119639826307335	0.308617977759932
PAAD	SUZ12	cg07482957	-0.125936562072392	185	-1.68892369408471	0.0929949022690562	0.0158600176666133	0.226090550256859
PAAD	SUZ12	cg08177746	0.0788430137097999	185	1.05221356838082	0.294135934188515	0.00621622081084369	0.491895783163615
PAAD	SUZ12	cg17335595	-0.216487014195481	185	-2.95013334112476	0.0036061369536178	0.0468666273152743	0.0190697993453703
PAAD	SUZ12	cg25098644	0.0444839862527849	185	0.592407370425679	0.554333865990624	0.00197882503293795	0.726037810274798
PAAD	TAF3	cg00194465	0.0401437013972742	185	0.534508068580945	0.593660829506865	0.00161151676187351	0.755541840962227
PAAD	TAF3	cg02334915	0.179257942372337	184	2.41728018255384	0.0166577701349665	0.032133409903564	0.0632288153149347
PAAD	TAF3	cg03672997	0.0944900270265255	180	1.24479453627889	0.214900673387262	0.00892836520747351	0.401835952924927
PAAD	TAF3	cg04179819	0.187859248154356	185	2.54460906407042	0.0117943354712977	0.0352910971171201	0.0485182451300373
PAAD	TAF3	cg04234156	-0.0544694166665185	185	-0.725745869875105	0.468953081710699	0.00296691735199081	0.657861978876605
PAAD	TAF3	cg05976695	0.01304997272094	185	0.173633380521059	0.862352013063045	0.000170301788017277	0.926833226763279
PAAD	TAF3	cg07855525	-0.0952679065971662	185	-1.27324821544971	0.204599642757691	0.00907597402740639	0.38876030991871
PAAD	TAF3	cg09871669	0.252041944932991	185	3.46506506841591	0.000665080832010512	0.0635251420056048	0.00477652310242114
PAAD	TAF3	cg09994553	-0.144875995029545	162	-1.8170338518729	0.0711560963259158	0.0209890539358007	0.186563221919662
PAAD	TAF3	cg11104088	-0.0868446641898375	185	-1.15977489610856	0.247702532666438	0.00754199569824564	0.441036593112078
PAAD	TAF3	cg12176426	0.0399666833305315	185	0.5321473717198028	0.595291299143237	0.00159733577644298	0.756700838652761
PAAD	TAF3	cg12590721	-0.0539412720650617	185	-0.718688280450021	0.473280678139454	0.00290966083199701	0.661344968299696
PAAD	TAF3	cg12777293	0.00873801581362081	185	0.116256177691191	0.907581312497508	7.63529203590873e-05	0.95099992865948
PAAD	TAF3	cg27268107	-0.0271811773514015	185	-0.361755704885731	0.71796608864137	0.000738816402208341	0.839813161017137
PAAD	TCEA1	cg01677098	-0.143035999256646	185	-1.92274080892452	0.0561180473841408	0.0204592970833471	0.156823312673391
PAAD	TCEA1	cg06047473	-0.268527222562562	185	-3.70873645527643	0.000278560523801788	0.0721068692571638	0.00229631634933096
PAAD	TCEA1	cg11530293	0.030654042056339	185	0.408017250383617	0.683754136392731	0.0009396702943918	0.817784066758639
PAAD	TCEA1	cg11787876	-0.0591889591534148	185	-0.788840883515469	0.431260328893459	0.00350333288566461	0.625231557233022
PAAD	TCEA1	cg12850379	-0.243772205527162	185	-3.34406013326226	0.00100775958586185	0.059424888187577	0.00675776283510011
PAAD	TCEA1	cg23569945	-0.182978070365326	185	-2.47617008655908	0.0142197437099086	0.0334809742346182	0.055996494161915
PAAD	TCEA1	cg26181865	-0.269243920385846	185	-3.7194076007315	0.000267873544491645	0.07249228866474	0.00222068995313119
PAAD	TCEA1	cg26358945	-0.105450243166904	185	-1.4107899848348	0.16006168062704	0.0111197537839592	0.329822028263485

PAAD	TDRD1	cg00337703	-0.268909973496637	185	-3.71443453015764	0.000272804848063007	0.0723125738459618	0.0022555617334694
PAAD	TDRD1	cg02635786	-0.704917309331479	177	-12.9198657140668	5.31933564645993e-27	0.496908412995133	1.23895927329552e-24
PAAD	TDRD1	cg16550453	-0.873153884051302	185	-23.8315400303328	3.96530992013958e-57	0.762397705233874	3.11593252451857e-54
PAAD	TDRD1	cg23504215	-0.711074656871646	185	-13.4547160028319	7.02935624071725e-29	0.505627167645129	1.83503939392737e-26
PAAD	TDRD1	cg23825092	-0.392303722323616	185	-5.67412346982288	5.59738280482868e-08	0.153902210548965	1.29096589955186e-06
PAAD	TDRD1	cg24203376	-0.681292562840279	185	-12.3823346235164	9.13880801574488e-26	0.464159556181475	1.98034660383526e-23
PAAD	TDRD1	cg26600802	-0.809711156045617	185	-18.3571586154559	7.83869853992887e-43	0.65563215622473	3.48459265265844e-40
PAAD	TDRD1	cg27547703	-0.779499023957721	184	-16.5088862239349	1.35368409103292e-37	0.60761872835104	5.11206311542791e-35
PAAD	TDRD3	cg01557749	-0.0131978503432681	185	-0.175601272726408	0.860807932430509	0.000174183253683301	0.926041094934893
PAAD	TDRD3	cg03447530	0.0248652209290106	185	0.330912562472912	0.741101944394243	0.000618279211848509	0.854392899923449
PAAD	TDRD3	cg05666423	0.00634793109659563	185	0.0844554319826789	0.932789783207596	4.02962292071258e-05	0.964326595556022
PAAD	TDRD3	cg10765900	0.131177078642004	185	1.76040930244988	0.0800655979214438	0.0172074259610505	0.203194998169721
PAAD	TDRD3	cg18522102	0.0392895146108726	185	0.52311690932994	0.601547149188157	0.00154366595835797	0.761170444436296
PAAD	TDRD3	cg19937698	0.03084467973907	185	0.410557121212859	0.681893873438312	0.000951394268205796	0.816601529998923
PAAD	TDRD3	cg20944895	-0.173044811212792	185	-2.33747473221182	0.0205328596315991	0.0299445066876707	0.0743014830300783
PAAD	TDRD3	cg22045829	-0.0365221883390934	185	-0.486220498778376	0.62741227591393	0.00133387024107621	0.779782253485985
PAAD	TDRD3	cg23103367	0.0313171357459165	185	0.416851858829246	0.677291872293186	0.00098076299132816	0.81354503069831
PAAD	TDRD3	cg23767211	0.0477441552750712	185	0.635919877289494	0.525650035325667	0.00227950436293011	0.704519388179883
PAAD	TDRD3	cg26737458	-0.0726684113185972	185	-0.969353150771598	0.333691740054726	0.00528069800356882	0.533284342532918
PAAD	TDRD5	cg05378938	-0.263548283718534	185	-3.63478531789446	0.000364464074269882	0.0694576978509848	0.00287644498262668
PAAD	TDRD5	cg07171496	-0.329909632961701	185	-4.64947456816107	6.48638643748537e-06	0.108840365920924	8.94525698489163e-05
PAAD	TDRD5	cg07901138	-0.312835615178232	185	-4.38194908526926	2.01119377466862e-05	0.0978661221239426	0.000240520843207641
PAAD	TDRD5	cg09656934	-0.212967617932336	185	-2.89987516261943	0.00420630357122315	0.0453552062877735	0.0216132879801674
PAAD	TDRD5	cg11853788	-0.258632975254441	185	-3.56208553333184	0.00047281915438571	0.0668910158889641	0.00357701967288553
PAAD	TDRD5	cg12277666	-0.252515025625782	185	-3.47201148268556	0.000649183423427106	0.0637638381667895	0.00467876368742712
PAAD	TDRD5	cg13848905	-0.287847002781334	185	-3.99879882557754	9.33834887315486e-05	0.0828558970101974	0.000908311468164803
PAAD	TDRD5	cg15545772	-0.195175020408752	185	-2.64755133204755	0.00883953762549274	0.0380932885915566	0.038789654221434
PAAD	TDRD7	cg24339935	-0.0359486697088247	185	-0.478575276961491	0.632831435988065	0.00129230685383417	0.783604008694202
PAAD	TDRD9	cg07613153	0.0469578997240635	177	0.611126849153951	0.541936715997323	0.00220504434649521	0.716708167040936
PAAD	TDRD9	cg08933517	-0.00500219535146029	185	-0.066550713349579	0.947014495371671	2.50219583341709e-05	0.971716511797192
PAAD	TDRD9	cg16701547	0.0970664540948828	185	1.29751215844151	0.196143535162582	0.00942189651055399	0.37810462321434
PAAD	TRIM24	cg00733782	0.103273020694044	185	1.38134416053621	0.168914463470426	0.0106653168032725	0.342210259934329
PAAD	TRIM24	cg02308366	0.0503648690978689	185	0.67091246771577	0.503150838126044	0.00253662003924547	0.686595384959874
PAAD	TRIM24	cg06386929	0.00233169765662577	185	0.0310213040219248	0.975287501245388	5.43681396191409e-06	0.986959386423026
PAAD	TRIM24	cg06650216	-0.0832610225567777	185	-1.11157550159459	0.267828297188957	0.00693239787720025	0.463555622210997
PAAD	TRIM24	cg10571650	0.13829744516872	185	1.85777972816188	0.0648613402396298	0.0191261833401951	0.174292591008028
PAAD	TRIM24	cg10703331	0.0355293239043862	185	0.472985537733326	0.636806248677178	0.00126233285710279	0.78630708552914
PAAD	TRIM24	cg13935558	0.185428626615588	185	2.51050527228635	0.0129523963797283	0.0343837755685432	0.0521947020960675
PAAD	TRIM24	cg26889928	-0.0564757603325457	185	-0.752562233959817	0.452712705030069	0.00318951150513915	0.643174976260737
PAAD	TRIM33	cg00760200	0.0154394308746751	185	0.20543275456199	0.837470104390151	0.000238376025733871	0.912988739503871
PAAD	TRIM33	cg02852257	-0.0442736653787374	185	-0.589600946461304	0.556210069823144	0.00196015744606841	0.727603552824486
PAAD	TRIM33	cg05792124	0.0245663558416044	185	0.326932774906234	0.744105029155946	0.000603505839336329	0.856239811015813
PAAD	TRIM33	cg16036305	0.274694884185522	185	3.80078858229527	0.00019822872828534	0.0754572793976975	0.00172359513671954
PAAD	TRIM33	cg17645130	0.188529398239804	185	2.55402035946223	0.0114915015648741	0.0355433340006626	0.0475288358093369
PAAD	TRIM33	cg18199720	0.0101693942589349	185	0.135301987409306	0.89252685896529	0.000103416579593657	0.943084840675701
PAAD	TRIM33	cg20932765	-0.312081103064691	185	-4.37023856761089	2.11100102966914e-05	0.0973946148900743	0.00025091322681297
PAAD	TRIM33	cg20992663	0.191867625539201	185	2.60095638623	0.0100826898494867	0.0368131857300509	0.0429064479049817
PAAD	TRIM33	cg21666217	0.0192935328862916	185	0.256731547650126	0.7976841904141	0.000372240411234414	0.88938477504299
PAAD	TRIM33	cg21813112	-0.30739922557627	185	-4.29777627525463	2.84276003057321e-05	0.0944942838848906	0.00032512448370834
PAAD	TRIM66	cg06492264	0.0564040865817623	185	0.751604102229864	0.453287390331575	0.00318142098312293	0.643688179126281
PAAD	TRIM66	cg11245569	0.192400805152399	159	2.40927453209649	0.0171882865369905	0.0370180698232916	0.0648218713815513
PAAD	TRIM66	cg12608775	0.0601754311984413	185	0.802035477302028	0.423607925309314	0.00362108251991834	0.618647851499523
PAAD	TRIM66	cg13143389	0.104041065148093	185	1.39172925618022	0.165750861165056	0.0108245432371497	0.337921864182461
PAAD	TRIM66	cg27044202	-0.0256826707082024	185	-0.341798454097913	0.732908040038142	0.000659599574705956	0.849258938076847
PAAD	UBE2A	cg00142683	0.0786034354062629	185	1.04899632516707	0.295610024538338	0.00617850005766654	0.493522183638208
PAAD	UBE2A	cg00428314	0.0671203590747612	185	0.894996617416364	0.372004357485586	0.00450514260232488	0.570656576937545
PAAD	UBE2A	cg00935924	0.0219184948858976	185	0.291676680421304	0.770875399074485	0.000480420418063118	0.87308341892353

PAAD	UBE2A	cg05206294	0.0759328571103392	185	1.01314597911595	0.31237338190994	0.00576579878893919	0.511433755073173
PAAD	UBE2A	cg06206449	0.0902936974965898	185	1.20620664923145	0.229347622367486	0.00815295180760568	0.419402445543491
PAAD	UBE2A	cg06273903	0.0676394502485798	185	0.901949975671681	0.368309152945962	0.0045750952299301	0.567157747466857
PAAD	UBE2A	cg09080960	0.0387278877478641	185	0.515627862217005	0.606757793428704	0.00149984928941117	0.765026187714628
PAAD	UBE2A	cg14625604	0.0743202580335704	185	0.991508815067362	0.322790694330392	0.00552350075417649	0.522159640571802
PAAD	UBE2A	cg15661671	0.038134686597133	185	0.5077718317159719	0.612282983142161	0.00145425432186156	0.769008397643333
PAAD	UBE2A	cg16211147	0.0717315279243265	185	0.956790625042151	0.339977947436465	0.00514541209835843	0.539242280869486
PAAD	UBE2A	cg17976175	0.0903686956276505	185	1.20721677270946	0.228959457761304	0.00816650114944294	0.418940526920596
PAAD	UBE2A	cg18990292	0.0407318017536699	185	0.542351465834766	0.588258590653713	0.00165907967410026	0.75181516019903
PAAD	UBE2A	cg25165659	0.0751003415460965	185	1.0019746542677	0.317723658334575	0.00564006130034035	0.517016216798376
PAAD	UHRF2	cg06523306	0.00767193332180867	185	0.102071438222572	0.918815513303469	5.88585608942782e-05	0.957179469199342
PAAD	UHRF2	cg08487038	-0.0360826999954828	185	-0.480361909064955	0.631563222770927	0.00130196123896401	0.782668468361373
PAAD	UHRF2	cg13428749	0.138959453753664	185	1.86684730928017	0.0635767080173917	0.0193097297875166	0.171720242465974
PAAD	UHRF2	cg14078101	-0.175899070146379	185	-2.3772505211737	0.0185089459799412	0.0309404828783607	0.0685684876207324
PAAD	UHRF2	cg20595300	-0.116001123420969	185	-1.55378403910845	0.122022150812179	0.013456260634927	0.273790522346705
PAAD	UHRF2	cg24119045	-0.0992575634130711	185	-1.32708945952971	0.186188444438239	0.00985206389469983	0.365102436142075
PAAD	USP27X	cg00478198	-0.0315223854499103	185	-0.419586577128707	0.675296321537976	0.000993660784452719	0.8112237957133972
PAAD	USP27X	cg01125381	-0.154260159159723	185	-2.07716100372471	0.0392307021426643	0.0237961967039831	0.120762632260463
PAAD	USP27X	cg01290688	-0.134524589623599	185	-1.80615070839508	0.0725936533365034	0.0180968652133977	0.189286095782133
PAAD	USP27X	cg01855997	-0.0525334433547032	185	-0.699878422820585	0.484922061712175	0.00275976267070181	0.671604537454814
PAAD	USP27X	cg06455206	-0.139938841043097	185	-1.88026673480651	0.0617144905618123	0.0195828792324852	0.16806164731213
PAAD	USP27X	cg06624970	-0.0464056742107004	185	-0.618053183630154	0.537334721771315	0.00215348659894966	0.713261736775718
PAAD	USP27X	cg16810342	-0.0601335706222909	185	-0.801475521958187	0.423931043112022	0.00361604631578605	0.618945847040456
PAAD	USP27X	cg16867483	-0.036223197284879	185	-0.482234774585163	0.630234971200299	0.00131212002153926	0.781766712103262
PAAD	USP27X	cg19318186	-0.0408400841791497	185	-0.543795671952042	0.587266378404318	0.00166791247576003	0.751188803340878
PAAD	USP51	cg00834229	-0.00625447750637469	185	-0.0832120387762464	0.933776972403076	3.9118488877747e-05	0.964765017761899
PAAD	USP51	cg01084827	-0.08219188360584	180	-1.08159600289144	0.280946183245177	0.00675550573067595	0.478109801318551
PAAD	USP51	cg02714202	0.0398472574314523	185	0.530554655834667	0.596392444856684	0.00158780392480843	0.757543535883434
PAAD	USP51	cg03728850	-0.0406373788905635	185	-0.541092125881442	0.589124431528049	0.00165139656309522	0.752451993601711
PAAD	USP51	cg07386410	0.0487590774025132	185	0.649469833073687	0.516876657811593	0.00237744762914428	0.69795529877619
PAAD	USP51	cg12064531	0.0340225803361988	185	0.452903193254508	0.651173122050084	0.0011575359727331	0.796048806599476
PAAD	USP51	cg12517811	-0.00731057216829118	185	-0.0972634359601145	0.922627239721556	5.34444654277936e-05	0.959338966904563
PAAD	USP51	cg18770944	-0.0283894775227179	184	-0.376780845957966	0.70679034830747	0.000805962434012904	0.83280142308334
PAAD	USP51	cg21331369	0.0432175265743166	185	0.575509501210853	0.565677694879597	0.00186775460320176	0.734978784224478
PAAD	USP51	cg25424556	0.016885665777409	185	0.2246812054059	0.822486453686697	0.000285125708746362	0.904585595761027
PAAD	WDR82	cg01736403	-0.012239242129468	185	-0.162845416393527	0.870825918594695	0.000149800322831074	0.931420833887722
PAAD	WDR82	cg03869063	-0.200598076583274	185	-2.72415604772766	0.0070931176302481	0.040239588328909	0.0327401206198838
PAAD	WDR82	cg10989431	0.0420961156670019	185	0.560549283142544	0.575813680447611	0.0017720829542496	0.742537688013101
PAAD	WDR82	cg11442381	-0.364294740847217	185	-5.20424256097605	5.35514898080937e-07	0.132710658208941	9.82775323928012e-06
PAAD	WDR82	cg11665333	-0.165603357371589	185	-2.23405623886184	0.026731289658442	0.0274244719727421	0.0905720360491652
PAAD	WDR82	cg12661343	-0.0337819782948649	185	-0.449696664648588	0.65347939441183	0.00114122205751472	0.79772743121242
PAAD	WDR82	cg13539115	0.0382775059371548	185	0.509622572859086	0.610950720663116	0.00146516746076892	0.768022434930943
PAAD	WDR82	cg15991175	0.0910568688840364	185	1.21648650555992	0.225419345721904	0.00829135337096459	0.414814253840091
PAAD	WDR82	cg17632831	-0.0381453593168158	185	-0.507860618848152	0.612183380720341	0.00145506843740898	0.768925889947013
PAAD	WDR82	cg24007312	0.00430464845548639	185	0.0572701534795951	0.954394595817307	1.85299983253214e-05	0.975799988281763
PAAD	WDR82	cg26236504	0.0260039254978005	185	0.346076756493589	0.729696048975937	0.000676204141295159	0.847152197260537
PAAD	WDR82	cg26858096	-0.168829102292116	185	-2.27883705086399	0.0238711285378251	0.0285032657807618	0.0832525138290849
PAAD	ZMYND1	cg00614684	-0.161828644227971	185	-2.18174797558355	0.0304461385163134	0.0261885100926632	0.0997905968315571
PAAD	ZMYND1	cg02813021	-0.235562080449692	185	-3.22469480453544	0.00150189361037678	0.0554894937457872	0.00940878656189813
PAAD	ZMYND1	cg02867818	-0.344097488542604	185	-4.87565653629235	2.40190431645772e-06	0.118403081621327	3.71330970577329e-05
PAAD	ZMYND1	cg03254875	-0.299568438166348	185	-4.17734415910514	4.62462488835542e-05	0.0897412491454253	0.000495606126180691
PAAD	ZMYND1	cg05236965	0.0307175698386357	185	0.408863627722256	0.683134013331857	0.000943569096791463	0.817444893760206
PAAD	ZMYND1	cg08828193	0.213959846515289	184	2.9057890620833	0.00413395874789926	0.045778815920846	0.0213091165408213
PAAD	ZMYND1	cg12639781	-0.0828885467556701	185	-1.10656828748346	0.269982283928265	0.00687051118326692	0.466060175211704
PAAD	ZMYND1	cg13939078	0.191145229211812	185	2.59079149452942	0.0103739174267357	0.036536498650436	0.0438578627409094
PAAD	ZMYND1	cg14255089	0.230224947139948	185	3.14749344406278	0.00193274614209223	0.0530035262855917	0.0115640711719676
PAAD	ZMYND1	cg14694828	-0.242233507042324	185	-3.32163212085829	0.00108711973937598	0.0586770719340235	0.00719756536212891

PAAD	ZMYND1	cg17632565	-0.356383821844901	185	-5.07457689120423	9.75971718882584e-07	0.127009428472778	1.67665175749544e-05
PAAD	ZMYND1	cg22593633	-0.319493367441844	185	-4.48568417702479	1.30424923974922e-05	0.102076011839329	0.000165006936667834
PAAD	ZMYND1	cg24757747	-0.104534430769634	185	-1.39840161477163	0.163742114740891	0.0109274472163315	0.334906114740446
PCPG	ACTL6A	cg03667091	-0.0535691741756187	184	-0.723726840020046	0.470162638655059	0.00286965642185777	0.658739145442181
PCPG	ACTL6A	cg03839554	-0.546075868164864	184	-8.79390242116962	1.08179756155927e-15	0.29819885379201	9.17746559475922e-14
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PCPG	ACTL6A	cg10112003	0.169979166774774	184	2.32700774723053	0.0210654402719081	0.0288929171374464	0.0758020657991959
PCPG	ACTL6A	cg20132173	-0.129321223147057	184	-1.75941290626318	0.0801876537999971	0.0167239787562509	0.203414691352821
PCPG	ACTL6A	cg22619386	0.143896349766023	184	1.96168359316638	0.0513244222220403	0.0207061594759857	0.147061955887344
PCPG	ACTL6A	cg25198545	0.177206650202381	184	2.42909203635115	0.0161086967019023	0.0314021968759489	0.0616257659812041
PCPG	ACTL6A	cg25575835	-0.0139766170985447	184	-0.188573292700597	0.850637370567504	0.000195345825519331	0.920373540468151
PCPG	ACTL6B	cg05729836	0.122420357854294	184	1.66405739363015	0.0978217495932996	0.0149867440171735	0.234382936671835
PCPG	ACTL6B	cg08572611	-0.196206192118793	184	-2.69943610352476	0.00760028505296999	0.0384968698257565	0.0345561996148888
PCPG	ACTL6B	cg09375063	-0.157075986932648	184	-2.14570660337092	0.0332212988923974	0.0246728656708653	0.106525605953389
PCPG	ACTL6B	cg14088161	-0.0462815943468649	184	-0.625042618457359	0.53272595928392	0.00214198597528775	0.7099425983175
PCPG	ACTL6B	cg16024950	-0.0255027245001664	184	-0.344162501328041	0.731121398761101	0.000650388956931387	0.84806026950991
PCPG	ACTL6B	cg20497359	-0.0143551611317017	184	-0.19368166858767	0.846641137723665	0.00020607065111712	0.918072398179515
PCPG	ACTL6B	cg24471254	-0.306199135263676	184	-4.33927864943465	2.36653492369503e-05	0.093757910436223	0.000277471315529663
PCPG	ACTL6B	cg26990587	-0.0999903898213151	184	-1.35573852314979	0.176862242982232	0.0099807805661856	0.352944137971931
PCPG	AEBP2	cg02664216	-0.011924227179091	184	-0.160878057323826	0.872367878554739	0.000142187193818573	0.932339424979906
PCPG	AEBP2	cg07849438	-0.16073651855343	184	-2.19702128443503	0.0292819090446931	0.0258362283966771	0.0969673434455498
PCPG	AEBP2	cg08161947	-0.146820574171371	184	-2.00241775441191	0.0467244090864062	0.021556281000011	0.137315503020962
PCPG	AEBP2	cg24304000	0.0664103892452806	184	0.897907359049161	0.370421230605076	0.00441033979970968	0.569092132350329
PCPG	AEBP2	cg26259627	0.10154649578393	184	1.3770554078149	0.170186480954091	0.0103116908059957	0.343910474067661
PCPG	AFF4	cg00931577	-0.0448048188581123	184	-0.60505767599157	0.545894341019521	0.00200747179290825	0.7195967797385
PCPG	AFF4	cg01907658	-0.0514851595615095	184	-0.695495169757038	0.487632120016708	0.00265072165507409	0.673864021378232
PCPG	AFF4	cg05619425	0.0321537725458351	184	0.434002515125074	0.664800653602402	0.0010338650889293	0.805398884155155
PCPG	AFF4	cg06638012	-0.0539027606571372	184	-0.728246730765438	0.467398500126332	0.00290550760646062	0.656486159546967
PCPG	AFF4	cg13393914	-0.0373025868298587	184	-0.503589899707314	0.615158573544894	0.00139148298419915	0.771007202796106
PCPG	AFF4	cg13565585	-0.143227156739205	184	-1.95236922039434	0.0524283622924797	0.0205140184275969	0.149361409755051
PCPG	AICDA	cg07999668	-0.0524403831162345	184	-0.708434211786021	0.479582019309852	0.00274999378137746	0.666891956424113
PCPG	AIRE	cg08089567	-0.0235242898028005	184	-0.317447868835344	0.751267681214496	0.000553392210726142	0.860674736652684
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PCPG	AIRE	cg11923631	-0.0727535366254876	184	-0.984106801570157	0.326369438754378	0.00529307709151617	0.525858386697492
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PCPG	AIRE	cg15955655	-0.00181687007846555	184	-0.0245109578706437	0.980471896595152	3.3010168820234e-06	0.989926551553169
PCPG	AIRE	cg16501323	-0.101086115516443	184	-1.37074766452438	0.17214172197797	0.0102184027502036	0.3465443489727
PCPG	AIRE	cg16717549	-0.0730225877131246	184	-0.987765617579489	0.324578805264281	0.00533229831632097	0.523940895497882
PCPG	AIRE	cg17356252	-0.0508247385187237	184	-0.686550515329256	0.493239791888528	0.00258315404549664	0.678605977118282
PCPG	AIRE	cg18689454	-0.0703938386234648	184	-0.952026517255547	0.342346151058436	0.00495529251614641	0.541579226587634
PCPG	AIRE	cg18876487	0.14328918867206	184	1.95323251609964	0.0523252096893705	0.0205317915902971	0.149160401706665
PCPG	AIRE	cg23272544	-0.0773050752068552	184	-1.04603275051243	0.296933163972194	0.00597607465273754	0.494956472210261
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PCPG	ARID1A	cg04081153	-0.095760471780844	184	-1.29784375634109	0.195983460522015	0.00917006795568981	0.377901060581565
PCPG	ARID1A	cg04360147	-0.0106499614303606	184	-0.143683983385886	0.885908985287501	0.000113421678468168	0.939518082566
PCPG	ARID1A	cg14851949	-0.00756088481575226	184	-0.102004828490765	0.918865138149253	5.71669791970731e-05	0.957218347780213
PCPG	ARID1A	cg17385674	0.0330856550045826	184	0.446594390338627	0.655698879071445	0.00109466056708226	0.79923815376427
PCPG	ARID1A	cg20413923	-0.0455410485227667	184	-0.615020437227959	0.539309425373136	0.00207398710055299	0.71472440737769
PCPG	ARID1A	cg21294655	0.0249807134350836	184	0.337113450982139	0.736419819461609	0.000624036043725764	0.851362640400594
PCPG	ARID1A	cg24542126	-0.293288816219359	184	-4.13868576767246	5.33448784601575e-05	0.0860183297193531	0.00056110214642097
PCPG	ARID1A	cg25601319	-0.118309066735894	184	-1.60736538739275	0.109707690454897	0.0139970352719183	0.254498287498085
PCPG	ARID2	cg00035453	-0.201218529418041	184	-2.77126886360974	0.00616391654463016	0.040488896581159	0.0293089315296687
PCPG	ARID2	cg01183821	0.00325076068491392	184	0.0438553910013752	0.965067752031714	1.0567445030582e-05	0.981625230138787
PCPG	ARID2	cg01353809	-0.0846793503108267	184	-1.14650484684614	0.25309141683785	0.00717059236906371	0.447101157696567
PCPG	ARID2	cg01751433	0.0989001312645338	184	1.34080921525475	0.181653475355361	0.00978123596414202	0.35907890895172
PCPG	ARID2	cg06613666	0.0710375286062689	184	0.960775918028105	0.337939534458169	0.00504633047048647	0.537390244345757
PCPG	ARID2	cg07276957	0.155425981520786	184	2.12260600970154	0.0351390025120828	0.0241572357316998	0.111176328348177

PCPG	ARID2	cg23465749	-0.0440099018858275	184	-0.594301858639288	0.553048266531914	0.00193687146400016	0.725149362838714
PCPG	ARID4A	cg02136725	-0.0396179677025076	184	-0.534895551492863	0.593374982124973	0.00156958336487694	0.755406211940777
PCPG	ARID4A	cg06154646	0.116110453643149	184	1.57708255991519	0.116513089448628	0.0134816374452178	0.265278016874461
PCPG	ARID4A	cg08066755	-0.0898113868021273	184	-1.21653813351778	0.225355307404688	0.00806608519932132	0.414755276544046
PCPG	ARID4A	cg08790491	-0.156146616929167	184	-2.13269287954076	0.0342902224596809	0.0243817659784239	0.109104867267522
PCPG	ARID4A	cg10064886	-0.0276068328022243	184	-0.372578541335197	0.709895657945813	0.00076213721736997	0.834791365947193
PCPG	ARID4A	cg10242170	0.0191436371704119	184	0.258309121823332	0.796460221224657	0.000366478844112374	0.888556967748334
PCPG	ARID4A	cg10844118	-0.167776753207253	184	-2.29597759365174	0.0228169155138546	0.0281490389167674	0.0804377181077992
PCPG	ARID4A	cg12203852	-0.0536111136291321	184	-0.724295080319672	0.469814631799809	0.00287415150455571	0.65852434129537
PCPG	ARID4A	cg14272338	-0.129565083803088	184	-1.7627872177206	0.0796147819721628	0.0167871109409013	0.202324328653549
PCPG	ARID4A	cg14460816	-0.162312584430761	184	-2.21914367730204	0.0277127322336693	0.0263453750645928	0.0930791103682539
PCPG	ARID4A	cg17323045	0.0522079161185986	184	0.705285136978855	0.48153447856844	0.00272566650544663	0.668752945095717
PCPG	ARID4A	cg19548283	-0.157273543654469	184	-2.14847369015866	0.0329977589805368	0.0247349675336342	0.105967141050263
PCPG	ARID4A	cg20996579	-0.222975489445821	184	-3.08579154048948	0.00234722475190849	0.0497180688936033	0.0135309375583527
PCPG	ARID4A	cg26429530	-0.20972656806154	184	-2.89372225208329	0.00427221653449665	0.0439852333508718	0.021898452466537
PCPG	ARID4A	cg27026909	-0.191996223752719	184	-2.63927258066168	0.00902905990640627	0.0368625499353041	0.03944110766236
PCPG	ARID4B	cg05652840	0.00194736581811049	184	0.0262714510055244	0.979069609236536	3.79223362954512e-06	0.989222661782161
PCPG	ARID4B	cg06212607	-0.179290968571163	184	-2.45860643956228	0.0148830208085786	0.0321452514111859	0.0580210333641976
PCPG	ARID4B	cg06891548	-0.276472730283124	184	-3.88109946135617	0.000145269333628678	0.0764371705902048	0.00132455257153181
PCPG	ARID4B	cg07814876	-0.34758849811853	184	-5.00105509118912	1.33557870147933e-06	0.120817764024295	2.21016825149719e-05
PCPG	ARID4B	cg10107779	0.0621661788734685	184	0.840292888440291	0.401846722383411	0.00386463379572808	0.598416231261391
PCPG	ARID4B	cg11732257	-0.307190390792951	184	-4.35478728031221	2.2198101693726e-05	0.0943659361955261	0.00026232403511495
PCPG	ARID4B	cg22596515	0.135596154141865	184	1.84634461557054	0.0664661923406022	0.0183863170180645	0.177436291374517
PCPG	ARID4B	cg23687319	-0.351356396838587	184	-5.06285556819842	1.00642115900105e-06	0.123451317599395	1.71922546428037e-05
PCPG	ARID4B	cg26020585	0.134989706894689	184	1.83793331154876	0.0677024242185278	0.0182222209675141	0.179946099615844
PCPG	ASH1L	cg03119126	-0.0314227918009993	184	-0.424126078719819	0.671974747027354	0.000987391844568951	0.810072575935133
PCPG	ASH1L	cg08095278	-0.0887697227539958	184	-1.20231556407325	0.230803224502239	0.00788006367782129	0.42121439573339
PCPG	ASH1L	cg09410084	-0.00221579919295593	184	-0.0298928387885026	0.976185271476605	4.90976606350416e-06	0.987422964433455
PCPG	ASH1L	cg10558228	-0.0649982152170882	184	-0.878732047758551	0.380705230291809	0.00422476798140692	0.579078092556255
PCPG	ASH1L	cg17038116	-0.131921722790305	184	-1.79541300487966	0.074246985508852	0.0174033409439621	0.192429703847136
PCPG	ASH1L	cg20064047	-0.125739919058575	184	-1.70989527716779	0.0889894613640723	0.0158105272448569	0.219104693853764
PCPG	ASH1L	cg21852905	-0.156921463288114	184	-2.14354244534077	0.0333970404559465	0.024624345640483	0.106901695756425
PCPG	ASH1L	cg23821590	-0.258276453517482	184	-3.60671179757848	0.000400417806344008	0.0667067264415679	0.00310719008397189
PCPG	ASH1L	cg24312492	-0.10451649026888	184	-1.41776944658358	0.157967895825473	0.0109236967381249	0.326946936117457
PCPG	ASH1L	cg26185843	-0.233939914852474	184	-3.24609778182897	0.001392702572891	0.0547278837611829	0.00884840258379962
PCPG	ASH2L	cg00590869	-0.0446608818275011	184	-0.603110016224043	0.547186333999708	0.00199459436561002	0.720580092791812
PCPG	ASH2L	cg01642070	-0.14007828069764	184	-1.9085770684012	0.057890422960395	0.0196219247232069	0.160347773402441
PCPG	ASH2L	cg02897270	-0.0355550673733308	184	-0.47996755748678	0.631826787036927	0.00126416281592209	0.782904862392894
PCPG	ASH2L	cg03189282	-0.317974828128662	184	-4.52454253658246	1.08986748183183e-05	0.101107991323452	0.000141333815274336
PCPG	ASH2L	cg03705346	-0.0479869049953941	184	-0.648125404992013	0.517720671478155	0.00230274305103698	0.698597826909242
PCPG	ASH2L	cg10062221	0.025409399414554	184	0.342902252304058	0.732067724983085	0.000645637578608335	0.848664450232976
PCPG	ASH2L	cg21453287	-0.113518036020546	184	-1.54140577873552	0.124954947592229	0.0128863445019619	0.278318172586878
PCPG	ASH2L	cg24318412	-0.0849773838954864	184	-1.15056933189946	0.251418913601506	0.00722115577372088	0.445106799069581
PCPG	ASH2L	cg27255459	0.0175453069953068	184	0.236735573023412	0.813128174846843	0.000307837797559562	0.899385682880515
PCPG	ASXL1	cg00174466	0.098386200701407	184	1.33377347118654	0.183944826218679	0.00967984448845754	0.362264342949695
PCPG	ASXL1	cg04218270	0.0258497547368697	184	0.348848828812394	0.727606044147841	0.000668209819956319	0.845937718173678
PCPG	ASXL1	cg09065199	0.0692640672046341	184	0.936672903806881	0.350168083279433	0.00479751100572807	0.549168935381023
PCPG	ASXL1	cg10421984	-0.111856739748342	184	-1.51855988164963	0.130608505285861	0.0125119302271283	0.287102516535978
PCPG	ASXL1	cg12592359	0.0130979284188357	184	0.176715873880963	0.859928066293575	0.000171555728864943	0.925514326383168
PCPG	ASXL1	cg16926526	0.121405261912593	184	1.65005192245384	0.100657051974236	0.0147392376200653	0.239348169130813
PCPG	ASXL1	cg18793288	-0.0742983773500602	184	-1.00511800020228	0.316174486507364	0.00552024887685194	0.515433319433233
PCPG	ASXL1	cg24727216	0.294287608018296	184	4.1541139058735	5.01625565013966e-05	0.0866051962331301	0.000531437548749782
PCPG	ASXL2	cg05165989	-0.0850411501872658	184	-1.15143899619786	0.251062065623397	0.00723199722517309	0.444687560235571
PCPG	ASXL2	cg05496738	-0.00576141515308171	184	-0.077727029865565	0.938130577723136	3.31939045661595e-05	0.966890966658633
PCPG	ASXL2	cg06583696	0.0349438272040299	184	0.471706083556939	0.63770159995779	0.0012210710596651	0.786859254070434
PCPG	ASXL2	cg09476286	-0.00885547957260693	184	-0.119471635456505	0.905033483487102	7.84195184608586e-05	0.949667578244084
PCPG	ASXL2	cg19084174	0.00852545297973502	184	0.115018828810046	0.908556995020668	7.26833485096728e-05	0.951440853980624

PCPG	ASXL2	cg20667782	0.046288336041604	184	0.625133861940825	0.532666211262917	0.00214261005350045	0.709929524386328
PCPG	ASXL2	cg24738909	-0.0619151317311243	184	-0.836886428823104	0.403753932353308	0.00383348353728248	0.600233778850986
PCPG	ASXL3	cg09963640	-0.0674479054104252	184	-0.9119987972951	0.362975769001986	0.00454921994425366	0.5619594207479
PCPG	ASXL3	cg12361352	-0.0128687029167905	184	-0.173622670687113	0.862354971072058	0.000165603514760614	0.926833226763279
PCPG	ASXL3	cg17880622	-0.0684075182189652	184	-0.925034804841109	0.356172691658141	0.00467958854887805	0.554940965015809
PCPG	ASXL3	cg20034091	-0.053517601013128	184	-0.723028077255531	0.470590778007736	0.00286413361820036	0.659113461360275
PCPG	ASXL3	cg20329085	-0.00345231685230705	184	-0.0465745781897853	0.962903359105556	1.19184916487232e-05	0.980530753079471
PCPG	ASXL3	cg24880056	-0.00664455820344381	184	-0.0896419698214968	0.928670302513157	4.41501537189524e-05	0.962262321920154
PCPG	ASXL3	cg27109877	-0.0700621099359792	184	-0.947517939441706	0.344631285966641	0.00490869924868123	0.54387354215415
PCPG	ATAD2B	cg08192560	0.00032612241845856	184	0.00439963219487425	0.996494431411644	1.0635583182126e-07	0.998278125004667
PCPG	ATAD2B	cg14009731	0.0121206025991597	184	0.163527881074029	0.870284269224681	0.000146909007366757	0.931198052151149
PCPG	ATAD2B	cg15717719	0.141938392114646	184	1.93443883653296	0.0546098691274243	0.0201465071560911	0.15388561447817
PCPG	ATAD2B	cg16929802	0.195162542388052	184	2.6845072677122	0.00793435076857987	0.0380884179513681	0.0357036605559291
PCPG	ATAD2B	cg17933838	0.0546703661960134	184	0.738648242893263	0.461072092302291	0.0029888489400062	0.650701927481531
PCPG	ATAD2B	cg19614157	0.032748375005993	184	0.442036828953207	0.658987358526426	0.00107245606553315	0.801574154126517
PCPG	ATAD2B	cg20806130	0.0233687754108488	184	0.315348133755639	0.752858630724321	0.000546099664202691	0.861697921353693
PCPG	ATAD2B	cg27610867	-0.097608645331742	184	-1.323130732354	0.18745178685277	0.00952744764349781	0.366784654822285
PCPG	ATAT1	cg01245721	-0.0316419719672326	184	-0.42708739635906	0.669820489461222	0.00100121438997514	0.808687035884111
PCPG	ATAT1	cg05093836	0.0940136855111148	184	1.27395643261398	0.204303276910372	0.0088385730633828	0.388377419152199
PCPG	ATAT1	cg06814856	-0.130164161305599	184	-1.77107806414973	0.0782214456131923	0.01694270888839	0.199656348200401
PCPG	ATAT1	cg07142893	0.0805382577823784	184	1.09006154463095	0.27712716807854	0.00648641096662083	0.47387253354219
PCPG	ATAT1	cg07816366	-0.0656122433609651	184	-0.887069016720673	0.376212445157456	0.0043049664788585	0.574709297173866
PCPG	ATAT1	cg08081524	-0.0494354263870266	184	-0.667736790906042	0.505147455476647	0.00244386138206713	0.68831782301111
PCPG	ATAT1	cg08188471	-0.207619081486303	184	-2.86332715300843	0.00468439649463199	0.0431056829972159	0.0235457737871294
PCPG	ATAT1	cg08635134	-0.0156692126768631	184	-0.211415191414903	0.832799851502777	0.000245524225912767	0.910310968776269
PCPG	ATAT1	cg09532691	-0.134857954179745	184	-1.83610620584799	0.0679734650002166	0.0181866678055462	0.180481509137747
PCPG	ATAT1	cg12907138	0.0592118786129494	184	0.800215943903751	0.424628967972551	0.00350604656887465	0.619557859155569
PCPG	ATAT1	cg13542073	-0.0587121674707393	184	-0.793439163121777	0.428555201746022	0.00344711860911214	0.622728643081048
PCPG	ATAT1	cg13964084	0.0785637313048316	184	1.06316883679905	0.289113999217826	0.00617225987653778	0.486677942942649
PCPG	ATAT1	cg15381130	0.0335893989921028	184	0.4534041613563602	0.650799693634572	0.00112824772465068	0.795814653231189
PCPG	ATAT1	cg15729859	-0.00967785266838125	184	-0.130567485197602	0.896261670190718	9.3660832270894e-05	0.94501163986574
PCPG	ATAT1	cg18298197	0.0732112161160275	184	0.990330897647083	0.323327203692548	0.00535988216518769	0.522752896945166
PCPG	ATAT1	cg20629923	-0.0013725552098549	184	-0.0185167997193394	0.985246859388959	1.88390783465452e-06	0.992337496229041
PCPG	ATAT1	cg22759096	-0.191925945128374	184	-2.6382695425946	0.00905480499479454	0.0368355684134196	0.0395247166291688
PCPG	ATAT1	cg23328390	0.0693853525366447	184	0.938320999017513	0.349323021990284	0.00481432714663447	0.548335250098439
PCPG	ATAT1	cg26934609	-0.0941741885110441	184	-1.27615081436596	0.203528347054733	0.00886877778171368	0.387358635615313
PCPG	ATF7IP	cg00236831	-0.054996801413325	184	-0.743072031449326	0.458396149873342	0.0030246481656967	0.648442922559675
PCPG	ATF7IP	cg11409060	-0.053215905259109	184	-0.718940538371856	0.473099599173098	0.0028319326435154	0.661151314388632
PCPG	ATF7IP	cg12526346	0.0749876431360613	184	1.01449496207066	0.311693398817294	0.00562314662310128	0.51056759596548
PCPG	ATF7IP	cg12948116	-0.0191698178652151	184	-0.2586625132198	0.796187942467074	0.000367481916985518	0.888416833476054
PCPG	ATF7IP	cg17439009	-0.0291125332351821	184	-0.392916086941656	0.694841286410432	0.000847539591369584	0.825045149121803
PCPG	ATF7IP	cg19789919	0.0270758047308964	184	0.365406540116049	0.715232273649989	0.00073309920182563	0.838088996490361
PCPG	ATF7IP	cg21275967	0.00356499835865172	184	0.0480947628941945	0.961693455924403	1.27092132971895e-05	0.979907537986366
PCPG	ATF7IP	cg26637901	0.0271804808617624	162	0.34393597942092	0.731346009054297	0.000738778539876634	0.848173155783919
PCPG	ATM	cg01756564	-0.30911703875022	184	-4.38497538250411	1.95885075505201e-05	0.0955533436457051	0.000235092310457445
PCPG	ATM	cg01800843	-0.268237260619246	184	-3.75637895690199	0.000231911941817101	0.0719512279845171	0.00196550360624464
PCPG	ATM	cg01991180	-0.141729655593845	184	-1.93153566478152	0.0549701676520417	0.02008729527475	0.15459291527449
PCPG	ATM	cg02105423	0.1943580840184	184	2.67300640621802	0.00820068825517938	0.0377750648233036	0.0366204203044271
PCPG	ATM	cg03165700	-0.350906617402024	184	-5.05546370621653	1.04119755599121e-06	0.123135454136531	1.77046825509902e-05
PCPG	ATM	cg03569616	-0.404982466405866	184	-5.97546326726677	1.18258200031419e-08	0.164010798096179	3.18221321800214e-07
PCPG	ATM	cg04709886	-0.262314024569639	184	-3.66722652784897	0.000321723593788526	0.068808647485921	0.00259037106760346
PCPG	ATM	cg04826772	0.138438278281521	184	1.88579265906472	0.0609159460165983	0.019165156893552	0.166428851036568
PCPG	ATM	cg05033322	-0.303460156609782	184	-4.29650685874905	2.8209861100429e-05	0.0920880666496334	0.000323001802003732
PCPG	ATM	cg05637308	-0.23601882969632	184	-3.27663809185114	0.0012580196886669	0.0557048879712205	0.00812641232750581
PCPG	ATM	cg06053805	-0.242894236084206	184	-3.37798362365552	0.000893046115613782	0.05899760992293	0.0061118702839851
PCPG	ATM	cg06081482	-0.430661802009205	184	-6.43751709191378	1.0469365411526e-09	0.185469587709816	3.45107547806886e-08
PCPG	ATM	cg06750635	-0.297333280032776	184	-4.20125211293808	4.15250332265212e-05	0.0884070794150493	0.00045224673594064

PCPG	ATM	cg09808176	-0.388694387507277	184	-5.69129938771399	4.96632551245408e-08	0.151083326879657	1.1602842287882e-06
PCPG	ATM	cg10610482	-0.434284455811478	184	-6.5041908663491	7.31387832094754e-10	0.188602988559472	2.48027833522142e-08
PCPG	ATM	cg10976287	-0.393798634784427	184	-5.7796485125224	3.19406205663594e-08	0.155077364758078	7.81134434561259e-07
PCPG	ATM	cg11588932	-0.237629262822386	184	-3.30032888960984	0.00116200416849899	0.0564676665495105	0.00760725004495585
PCPG	ATM	cg12019961	-0.317472688296967	183	-4.50417057640209	1.19177355398431e-05	0.100788907814503	0.000152789769048542
PCPG	ATM	cg12106634	-0.398544516822116	184	-5.86236211119376	2.10463179563215e-08	0.158837731888974	5.40177254732455e-07
PCPG	ATM	cg12848864	-0.273362012694961	184	-3.83388307231091	0.000173645926930793	0.0747267899846402	0.00154295959333571
PCPG	ATM	cg14761454	-0.0687800818851495	184	-0.930096646298405	0.353553065366304	0.00473069966412787	0.552606026824445
PCPG	ATM	cg15370815	0.264685925643099	184	3.70287252031283	0.000282455674555832	0.0700586392335439	0.00232399331003663
PCPG	ATM	cg15504467	-0.391042814834585	184	-5.73187058367403	4.05735145376348e-08	0.152914483033756	9.70595322860012e-07
PCPG	ATM	cg16693212	-0.234583906846089	184	-3.25555328897299	0.0013496345482442	0.0550296093511744	0.00861449540909987
PCPG	ATM	cg16788234	0.0808299003932157	184	1.09403475329752	0.275385568331589	0.00653347279757717	0.471828858046773
PCPG	ATM	cg17114932	-0.431841567650148	184	-6.45918801623706	9.31949764127106e-10	0.186487139550537	3.10094525023542e-08
PCPG	ATM	cg17420659	-0.397083783641073	184	-5.83684468382258	2.39464395220395e-08	0.15767553123071	6.05030632081046e-07
PCPG	ATM	cg18042593	-0.299357719762881	184	-4.23266229990284	3.65802474018659e-05	0.0896150443816316	0.000404969939715491
PCPG	ATM	cg18391757	-0.274087309592936	184	-3.84488037743087	0.000166601643329905	0.0751238532798942	0.00148921156396721
PCPG	ATM	cg18457775	-0.345130920437499	184	-4.96089509220883	1.60312518807072e-06	0.119115352242035	2.59765717310505e-05
PCPG	ATM	cg19288979	0.220886018726434	184	3.0553844385736	0.00258566222220734	0.0487906332688144	0.0146215749737877
PCPG	ATM	cg20342375	-0.206180729839665	184	-2.84260656717258	0.00498585407882512	0.0425104933572169	0.0247066394170407
PCPG	ATM	cg22477592	-0.281539937705591	184	-3.95829644100415	0.000108133612806123	0.0792647365232683	0.00103026898648371
PCPG	ATM	cg22678707	-0.31613998627388	184	-4.49552561789445	1.2324970339814e-05	0.0999444909212489	0.000157362340819873
PCPG	ATM	cg22837512	-0.282364516653114	184	-3.97089237055417	0.000103006034715005	0.0797297202647469	0.000988647509016086
PCPG	ATM	cg23275463	-0.301480404002674	184	-4.26566424596133	3.19940812965054e-05	0.0908904339976155	0.000360508047563781
PCPG	ATM	cg23389069	-0.198022291217206	184	-2.72543718624047	0.00704867819072324	0.0392128278189118	0.0325736527960748
PCPG	ATM	cg24030675	-0.202640588561024	184	-2.79168968135837	0.00580320197027881	0.0410632081323581	0.0279347994601739
PCPG	ATM	cg24568245	-0.372051014682656	184	-5.40742962646981	1.99015857247697e-07	0.138421957526394	4.04025041720443e-06
PCPG	ATM	cg25400013	-0.2745482377039	184	-3.85187287890917	0.000162264508719674	0.0753767348263169	0.00145583336608963
PCPG	ATM	cg25740661	-0.00701272102028532	184	-0.0946091052728369	0.924729396950661	4.91782561083515e-05	0.960279770221584
PCPG	ATM	cg25918541	-0.43229120423221	184	-6.46745803078731	8.91423335096021e-10	0.186875685256534	2.9762827008781e-08
PCPG	ATM	cg27453365	-0.125760444614284	184	-1.71017888240951	0.0889369012854722	0.0158156894295824	0.219003459692391
PCPG	ATM	cg27599391	-0.360143578121044	184	-5.20808093736011	5.12791919494856e-07	0.129703396861828	9.44387947747645e-06
PCPG	ATR	cg00911981	0.10993602160753	184	1.49216251208396	0.137387906453723	0.0120859288468912	0.297325362190472
PCPG	ATR	cg00969988	-0.1742641542268	184	-2.38748298925657	0.01798841537628	0.0303679954483821	0.0671106265961215
PCPG	ATR	cg11458642	0.0521030787950643	184	0.70386501357979	0.482416394701808	0.00271473081992468	0.669421372934116
PCPG	ATR	cg11936145	-0.0955368022191788	184	-1.29478440163184	0.197034819958566	0.00912728057826649	0.379258877272781
PCPG	ATR	cg15135999	-0.0928731845670837	184	-1.25836648792413	0.2098711311859	0.00862542841163159	0.395425289531738
PCPG	ATR	cg15291273	-0.153394155906964	184	-2.09418480262308	0.0376284533610014	0.0235297670664099	0.1170766683061
PCPG	ATR	cg15480357	-0.0209577817060168	184	-0.282798046221562	0.777653028059777	0.000439228614037054	0.877031265528382
PCPG	ATR	cg16031872	0.0408687386839779	184	0.551810452466223	0.581755135764069	0.00167025380161927	0.74709970833204
PCPG	ATR	cg17945282	-0.174174887125332	184	-2.38622172448577	0.0180483009900662	0.030336891305122	0.0672791953242229
PCPG	ATR	cg20032934	-0.40757244147744	184	-6.02126166796583	9.345664089564e-09	0.166115295051881	2.56903389464149e-07
PCPG	ATR	cg20636078	-0.141707793875256	184	-1.9312316204918	0.0550080164460109	0.0200810988449919	0.154649041646524
PCPG	ATR	cg24631870	-0.13467169201908	184	-1.83352334931124	0.0683581515522106	0.0181364646312819	0.181247345272522
PCPG	ATR	cg24856922	0.203268943490482	184	2.80071873738949	0.00564991786854368	0.0413182633877367	0.0273509465255437
PCPG	AURKB	cg02245743	-0.0128097441200369	184	-0.172827076315408	0.862979401459156	0.00016408954442082	0.927145691991625
PCPG	AURKB	cg04612488	-0.199127180828271	184	-2.74127015828446	0.00673080234137715	0.039651634144615	0.0314069120288564
PCPG	AURKB	cg05617798	-0.0189871546082221	184	-0.256196905089455	0.798088148368771	0.000360512040116531	0.88970765679607
PCPG	AURKB	cg05811247	-0.156473310890671	184	-2.13726682546357	0.0339111969234725	0.0244838970210886	0.108189290250354
PCPG	AURKB	cg11009596	-0.00354932647080589	184	-0.0478833335552007	0.961861725629608	1.25977183963634e-05	0.980001978725799
PCPG	AURKB	cg12844497	0.0180604332509335	184	0.243688311543231	0.807746692188538	0.000326179249211425	0.895886703696008
PCPG	AURKB	cg13678641	-0.11587090378943	184	-1.57378452317023	0.117274015444358	0.0134260663449793	0.266542443539746
PCPG	AURKB	cg21724796	-0.147280969107468	184	-2.00883586967228	0.0460325210954761	0.021691683861235	0.135807002820353
PCPG	BAP1	cg00794529	-0.252949824660924	184	-3.52718590911225	0.000531599038014252	0.0639836137959921	0.00394836887180453
PCPG	BAP1	cg02503646	-0.161573411261186	184	-2.20876613888457	0.02843948505219	0.0261059672265764	0.0948763368990981
PCPG	BAP1	cg03075736	-0.206889608948139	184	-2.85281611257316	0.00483517487545249	0.0428033102907137	0.0241375239225351
PCPG	BAP1	cg05442719	-0.0749077468971385	184	-1.01340795693412	0.312210685804867	0.00561117054520577	0.511221176415573
PCPG	BAP1	cg05908979	0.00484919443729199	184	0.065419978716264	0.947911420533108	2.35146866906636e-05	0.972293178012039

PCPG	BAP1	cg09096430	-0.1934839168244	184	-2.66051531291039	0.00849907321875769	0.0374360260697112	0.0376438682521086
PCPG	BAP1	cg10449522	-0.200040107810727	184	-2.75436053240854	0.00647786240251964	0.0400160447329273	0.0304623603785053
PCPG	BAP1	cg10956904	-0.347972938587926	184	-5.00734791393914	1.29778845628254e-06	0.121085165989516	2.15496595876294e-05
PCPG	BAP1	cg11234564	-0.205682926509941	184	-2.83543981001753	0.00509416992060164	0.0423054662576936	0.0251568497938986
PCPG	BAP1	cg12859382	0.120867900095042	184	1.64263996959813	0.102184053959978	0.0146090492733851	0.241899649861923
PCPG	BAP1	cg16841708	-0.177094331538039	184	-2.42750254188058	0.0161771741478186	0.0313624022629047	0.0618426066364599
PCPG	BAP1	cg24291822	-0.310593181992979	184	-4.40814501227406	1.77881181676021e-05	0.0964681247005235	0.000216321535834054
PCPG	BAP1	cg24747396	0.102576745471309	184	1.39117426767587	0.165870873939355	0.0105219887114857	0.338094400488577
PCPG	BAP1	cg25749966	-0.49786739246076	184	-7.74468006730934	6.45439877659528e-13	0.247871940475677	3.75552354844019e-11
PCPG	BAZ1A	cg05294307	0.082948747294714	182	1.11672265895985	0.265601365109878	0.00688049467776232	0.461343528196974
PCPG	BAZ1A	cg07414384	-0.114872962606484	184	-1.5600482139487	0.120485657230466	0.0131957975379906	0.271470478714829
PCPG	BAZ1A	cg23422263	-0.148896653641911	184	-2.03136983973285	0.0436718016793801	0.0221702134657591	0.130634219242731
PCPG	BAZ1A	cg26967526	-0.0405541674831345	184	-0.547556082348927	0.584667604958941	0.00164464050025013	0.749256760731009
PCPG	BAZ1B	cg00525989	0.058296086623447	184	0.787796982768733	0.431840271306901	0.00339843371560844	0.625644034305145
PCPG	BAZ1B	cg04742505	-0.0513282488090681	184	-0.693369909058733	0.488961359464438	0.0026345891258056	0.674975778514356
PCPG	BAZ1B	cg05166819	0.0883704375704194	184	1.19686490038848	0.232915902557331	0.00780933423638739	0.423629003169012
PCPG	BAZ1B	cg06059318	0.0194504726513016	184	0.262450872039153	0.793270689749508	0.00037832088635903	0.886751651084537
PCPG	BAZ1B	cg06394887	0.0133428929797533	184	0.180021493102058	0.857335975778136	0.000178032793069149	0.924104764747354
PCPG	BAZ1B	cg14093368	0.00426651606565927	184	0.0575589724310799	0.954163075528729	1.82031593385287e-05	0.975672160486888
PCPG	BAZ1B	cg15636799	-0.129611097859306	184	-1.7634239528611	0.0795070577446385	0.0167990366882947	0.202136411326723
PCPG	BAZ1B	cg19160975	-0.115171513347328	184	-1.56415715605517	0.119517763733158	0.0132644774867137	0.270007933329126
PCPG	BAZ1B	cg20612831	0.0370943049069653	184	0.500774180684643	0.617135125664381	0.00137598745653091	0.772563441834718
PCPG	BAZ1B	cg21340129	0.035555595190011	184	0.479974691647129	0.631821723912344	0.00126420034931593	0.782904862392894
PCPG	BAZ1B	cg25710357	0.139765058019221	184	1.90422426175646	0.0584584965720101	0.0195342714431162	0.161581818522756
PCPG	BAZ2A	cg14634319	0.134579786509706	184	1.83224898871813	0.0685486165883591	0.018111718936998	0.181568644156446
PCPG	BAZ2A	cg18206859	0.106488702069066	184	1.44482654339955	0.150226090948351	0.0113398436683544	0.315918322452238
PCPG	BAZ2A	cg18955060	0.129204803558257	184	1.75780211742691	0.0804623129292224	0.0166938812625279	0.203852184329314
PCPG	BAZ2A	cg25683012	0.0195070568105739	184	0.263214668743428	0.792682874357831	0.000380525265410958	0.886374451700444
PCPG	BRD7	cg03021120	-0.123344570053371	184	-1.67681353434251	0.0952956865511366	0.0152138829616509	0.230109341017448
PCPG	BRD7	cg16433860	0.0138147078958882	184	0.186388385338073	0.852347790433426	0.000190846154248716	0.921318833625473
PCPG	BRD7	cg16834187	0.214401790134724	184	2.96130172216765	0.00347198994943228	0.0459681276129742	0.0185279178300271
PCPG	BRD8	cg01096096	-0.148610959340418	184	-2.02738405299809	0.0440816987123557	0.0220852172360794	0.131581038434749
PCPG	BRD8	cg03204906	-0.264061166260068	184	-3.69347638194138	0.000292342467525657	0.0697282995266274	0.00239243529546507
PCPG	BRD8	cg03684156	-0.151620752536632	184	-2.06940065575087	0.0399213654019289	0.0229888525997745	0.122297586701963
PCPG	BRD8	cg07430605	0.158513348503734	184	2.16584512359355	0.0316238478406546	0.0251264816538662	0.102655773791608
PCPG	BRD8	cg07632946	0.0388221671630941	184	0.52413479544215	0.600822511871723	0.00150716066323923	0.760800553584031
PCPG	BRD8	cg08976717	-0.0509789004001037	184	-0.68863838204008	0.491927737643547	0.00259884828600369	0.677471789092234
PCPG	BRD8	cg11110536	0.0096314011419799	184	0.129940732216203	0.89675681894273	9.27638879577318e-05	0.945263000634545
PCPG	BRD8	cg11346339	-0.0200238292961415	184	-0.270190398401231	0.787319911883883	0.000400953739681014	0.882830027649138
PCPG	BRD8	cg12964860	-0.23126016661751	184	-3.2068003387826	0.00158574627752958	0.0534812646639584	0.00984529496521434
PCPG	BRD8	cg14473243	-0.0365443131492019	184	-0.493339272232128	0.622367642268823	0.00133548682354693	0.776340389042906
PCPG	BRD8	cg22106577	0.11637300542974	184	1.58069759950768	0.115683522245227	0.0135426763927503	0.26392996450071
PCPG	BRD8	cg22818036	-0.108145868819773	184	-1.46757480728133	0.143945745099786	0.0116955289427836	0.307100573011538
PCPG	BRD8	cg23298160	-0.158450760504521	184	-2.16496792540965	0.0316920208779616	0.0251066435044611	0.102792224395787
PCPG	BRD8	cg26008208	-0.140696779354489	184	-1.91717396549368	0.0567820491904928	0.0197955837207257	0.158167528456216
PCPG	BRD8	cg26630792	0.0397815476457848	184	0.537107593025585	0.591849323041494	0.00158257153309385	0.754359404222003
PCPG	BRD8	cg27119451	-0.107075528824762	184	-1.45288063021123	0.147978852453681	0.0114651688731024	0.312873480670263
PCPG	BRD9	cg02364331	-0.0929418250241238	184	-1.25930461870939	0.209532982457913	0.00863818283881485	0.395005202072462
PCPG	BRD9	cg02822723	-0.0295556491677062	184	-0.398901772106174	0.690433220878083	0.00087353639772453	0.822131286509495
PCPG	BRD9	cg05193570	-0.0235412833249115	184	-0.317677314553856	0.751093896806103	0.000554192020583755	0.860577030032755
PCPG	BRD9	cg07308931	0.00908545469800225	184	0.122574544065507	0.902579257755087	8.25454870694511e-05	0.948521475938174
PCPG	BRD9	cg09497020	-0.0430843384157945	184	-0.581779720740999	0.561434972747767	0.00185626021672671	0.731865549615265
PCPG	BRD9	cg10551270	-0.0496808335019079	184	-0.671059748210567	0.503033229585011	0.00246818521744429	0.686530900318103
PCPG	BRD9	cg10600960	-0.0089096238872353	184	-0.120202168652563	0.904455589713403	7.93813978119938e-05	0.949357680480391
PCPG	BRD9	cg13722821	0.0108652450947128	184	0.146588823053895	0.883618821508215	0.00011805355096818	0.93832379301851
PCPG	BRD9	cg17977043	-0.0567124861828227	184	-0.766326630672046	0.444474777419121	0.00321630608903685	0.63644592822513
PCPG	BRD9	cg20079193	-0.226324047272923	184	-3.13461511478083	0.00200646628660739	0.0512225743739965	0.0119299173265313

PCPG	BRD9	cg21160852	0.0200922933422615	184	0.271114586561538	0.786610149344858	0.000403700251751484	0.88238716594281
PCPG	BRD9	cg21758832	0.0448068775353763	184	0.605085532910974	0.545875873016412	0.00200765627447021	0.7195967797385
PCPG	BRD9	cg21910709	-0.0132399839865681	184	-0.178632806903691	0.858424722280805	0.00017529717596458	0.924729877660254
PCPG	BRD9	cg24953233	-0.105491539971995	184	-1.43114417859652	0.154103746395362	0.0111284650056629	0.321524080005386
PCPG	BRD9	cg25523559	-0.108546491192982	184	-1.47307608218646	0.142457863800868	0.0117823407503081	0.304903354312208
PCPG	BRD9	cg25951128	-0.0346816690718568	184	-0.468162937863841	0.640228241457667	0.00120281816960979	0.788595351244408
PCPG	BRD9	cg26504197	0.0349907469819845	184	0.47234022867691	0.637249833069038	0.00122435237435726	0.78662402128338
PCPG	BRDT	cg00308185	-0.113234112696584	184	-1.53750038547048	0.12590752529515	0.0128219642781827	0.279788906044644
PCPG	BRDT	cg01515515	-0.0399801959449863	184	-0.539793911381168	0.589998998055545	0.0015984160677995	0.753037391588868
PCPG	BRDT	cg02935097	-0.126581359481682	184	-1.72152344221649	0.0868550299165969	0.0160228405682308	0.215366984526813
PCPG	BRDT	cg03421440	-0.0477212270120598	184	-0.644528865911464	0.520044068551184	0.00227731550753654	0.700457230619159
PCPG	BRDT	cg06442199	-0.11989634843559	184	-1.62924285348868	0.104991230517128	0.0143751343681885	0.24663871804715
PCPG	BRDT	cg09250199	0.0506135318066606	184	0.68369015095663	0.49504036171999	0.00256172960194384	0.679994759013836
PCPG	BRDT	cg13299824	0.0330184126384288	184	0.445685752685913	0.656353966545004	0.00109021557316156	0.799713851919225
PCPG	BRDT	cg14732540	-0.0673819573980016	184	-0.911103010186295	0.363446244198081	0.0045403281827861	0.562396807915533
PCPG	BRDT	cg19245011	-0.104214047514587	184	-1.41362168882827	0.159181152409762	0.0108605676993727	0.328614794814461
PCPG	BRPF1	cg04879506	-0.0577334680229516	184	-0.780168361358251	0.436305225237408	0.00333315332995717	0.629376441202271
PCPG	BRPF1	cg13694772	0.11713822129626	184	1.59123567122028	0.113291976450103	0.0137213628884516	0.260390463437211
PCPG	BRPF1	cg14712964	-0.0237049629299558	184	-0.319887322848411	0.749420668117748	0.000561925267510577	0.859593587326487
PCPG	BRPF1	cg17738494	0.0208797351252597	184	0.281744448785126	0.778459566892894	0.000435963338901003	0.877457489413706
PCPG	BRPF1	cg20952324	0.0921989348299017	184	1.24915226381601	0.213213580882254	0.00850064358376845	0.399636730980181
PCPG	BRPF1	cg25467642	-0.169111660442275	184	-2.31478105645114	0.021740948521246	0.0285987536975433	0.0775868319309054
PCPG	BRPF1	cg26227975	-0.140558569596619	184	-1.9152527039111	0.0570281948743111	0.0197567114870477	0.158671365953225
PCPG	BRPF3	cg01499736	0.0171992871689278	184	0.232065396277651	0.81674795218283	0.000295815479119245	0.901446874877135
PCPG	BRPF3	cg05882415	-0.0136935200376917	184	-0.184753007705795	0.853628478461539	0.000187512491022665	0.921966206568838
PCPG	BRPF3	cg10562781	0.0395151624473717	184	0.533505369529797	0.594334727684147	0.00156144806324218	0.756003724867728
PCPG	BRPF3	cg14654948	-0.0711035196153972	184	-0.961672973390707	0.337489819851852	0.00505571050169717	0.53699343544046
PCPG	BRPF3	cg18779695	-0.0486053471530073	184	-0.656497922699016	0.512332999106643	0.00236247977186435	0.694242001959627
PCPG	BRPF3	cg23517469	0.000374486711904573	184	0.00505210230547646	0.995974556040261	1.40240297393099e-07	0.998014357088891
PCPG	BRWD3	cg03164831	-0.123754183737457	184	-1.68246850993446	0.0941928270370589	0.0153150979925242	0.228161563909608
PCPG	BRWD3	cg05835545	-0.131439081948105	184	-1.78872872415589	0.0753217436808104	0.0172762322633607	0.194476592363258
PCPG	BRWD3	cg09523186	-0.089570584227679	184	-1.21324993128006	0.226606541462011	0.00802288955888774	0.416142516559551
PCPG	BRWD3	cg11957438	-0.191663228440904	184	-2.62727268001213	0.0093455536253747	0.0367347931363903	0.0404218836168353
PCPG	BRWD3	cg15511898	-0.113693218153927	184	-1.54381561699982	0.124369988105905	0.0129261478541964	0.27744553864453
PCPG	BRWD3	cg22618269	-0.126106017742776	184	-1.71495406295269	0.0880557061867195	0.0159027277109412	0.217528995811173
PCPG	BRWD3	cg25063710	-0.0504870991393902	184	-0.68197792223864	0.496119883863953	0.00254894717951062	0.680978725480139
PCPG	BRWD3	cg25708850	-0.0585578410847482	184	-0.791346403060983	0.429771964561338	0.00342902075250662	0.623820882751837
PCPG	CARM1	cg12317676	0.0814974119632534	184	1.10312969902827	0.271427324376748	0.00664182815670824	0.467703662980148
PCPG	CARM1	cg17918830	-0.0352582941945773	184	-0.475956327821422	0.634676313887106	0.00124314730951136	0.784791150863829
PCPG	CARM1	cg22378614	-0.0323572311320804	184	-0.436751610725606	0.662809211590799	0.00104699040653487	0.803919297252757
PCPG	CARM1	cg26504915	-0.0282143852288719	184	-0.380784458831708	0.703807280200985	0.000796051533843187	0.830800642772147
PCPG	CBX1	cg01544580	0.257586470926412	184	3.59639078357121	0.000415529967748372	0.0663507900043232	0.00320469300198442
PCPG	CBX1	cg01553295	0.0703371729050739	184	0.951256341947288	0.342735814555151	0.00494731789227826	0.541981704594032
PCPG	CBX1	cg02835499	-0.104355384429481	184	-1.41555996087815	0.158613308433324	0.0108900462594248	0.327803084752724
PCPG	CBX1	cg04864609	-0.0585322991642595	184	-0.791000044512529	0.429973537697365	0.00342603004545438	0.624008682031729
PCPG	CBX1	cg11729481	-0.117590334532146	184	-1.59746323957028	0.11189723757336	0.0138274867753821	0.258015700390715
PCPG	CBX1	cg12245530	-0.209643072619991	184	-2.89251724492053	0.00428790469569754	0.0439502178975508	0.0219542752334536
PCPG	CBX1	cg13342109	-0.1569628602252	184	-2.14412220818041	0.0333498820509196	0.0246373394900758	0.106801445919201
PCPG	CBX1	cg17778721	0.0976746718472684	184	1.32403437068486	0.18715210305033	0.00954034152047157	0.366345697365441
PCPG	CBX1	cg21511817	-0.116294371668562	184	-1.57961486681745	0.115931491552654	0.0135243808817857	0.264387797835045
PCPG	CBX4	cg04398978	-0.0674246102872076	184	-0.911682372876386	0.36314191393962	0.00454607807238182	0.562104780393546
PCPG	CBX4	cg04925705	0.0345624375658903	184	0.466551520396405	0.64137874940504	0.00119456209049607	0.789297135667415
PCPG	CBX4	cg05949524	-0.132564398940873	184	-1.80431569502357	0.0728351860203567	0.017573319866555	0.189812772775449
PCPG	CBX4	cg07159673	-0.0874368817782267	184	-1.18412314407159	0.23790847255489	0.00764520829509959	0.429466335164987
PCPG	CBX4	cg10756274	-0.141533239376351	184	-1.92880408771944	0.0553109929579422	0.0200316578483634	0.155239081890591
PCPG	CBX4	cg21365914	-0.0194049414854596	184	-0.261836275106177	0.793743767511934	0.00037655175405411	0.88698315117374
PCPG	CBX4	cg22353329	-0.0305049835278287	184	-0.411726338530952	0.681024490056968	0.000930554020033102	0.816005802739859

PCPG	CBX4	cg27487227	0.00794179711521421	184	0.10714407961834	0.914792693292366	6.30721414192248e-05	0.954980253482583
PCPG	CBX5	cg03689456	0.000619509494056971	184	0.00835764160605146	0.993340798349655	3.83792013226725e-07	0.996530454146793
PCPG	CBX5	cg05754589	-0.0352736057004569	184	-0.476163277279482	0.634529165513509	0.00124422725911131	0.784740980588493
PCPG	CBX5	cg06399839	-0.112364897643932	184	-1.52554661457383	0.128858684202753	0.0126258702225314	0.284324601607311
PCPG	CBX5	cg06621757	0.0416562434055194	184	0.56246166326267	0.574493644372026	0.00173524261465988	0.741692393751388
PCPG	CBX5	cg08288469	0.127871827632318	184	1.73936422836752	0.0836614124027009	0.0163512043020292	0.209527909228502
PCPG	CBX5	cg09060496	-0.177565365240997	184	-2.43416910274306	0.0158916878283426	0.0315294589331685	0.0609935350988249
PCPG	CBX5	cg09158487	-0.208892328972444	184	-2.88168547313295	0.00443130777565378	0.0436360051035316	0.0225236939267108
PCPG	CBX5	cg09653879	-0.0880980640108306	184	-1.1931470479541	0.23436485469417	0.00776126888245641	0.425302307788845
PCPG	CBX5	cg11005091	-0.0370773594354543	184	-0.500545101338638	0.617296055987307	0.00137473058270587	0.772641118068084
PCPG	CBX5	cg11338003	-0.208511671656418	184	-2.87619536469978	0.00450565327318586	0.0434771172169538	0.0228079639988431
PCPG	CBX5	cg12263485	0.0984720049776625	184	1.33494806241715	0.183560800318249	0.00969673576432078	0.361791966049098
PCPG	CBX5	cg12600134	0.0669987862990673	184	0.905898545464973	0.366187278784804	0.00448883736554809	0.565087145238932
PCPG	CBX5	cg13445218	-0.0346814166970562	184	-0.468159526989542	0.640230675809115	0.00120280066411485	0.788595351244408
PCPG	CBX5	cg14017196	0.0545147505844691	184	0.736539453149279	0.462350787484613	0.00297185803128687	0.651808871762132
PCPG	CBX5	cg14394617	0.033861313797549	184	0.457076212325671	0.648161360782309	0.00114658857209608	0.793938984422909
PCPG	CBX5	cg15708001	-0.147862187078623	184	-2.01694021972251	0.0451712992577625	0.0218632263676738	0.13396577773183
PCPG	CBX5	cg20545544	-0.181599423458319	184	-2.49133460719896	0.0136213827656208	0.0329783506003939	0.0542248414117647
PCPG	CBX5	cg20927027	0.0896899579246315	184	1.21487997362425	0.225985650968846	0.00804428855252217	0.415414171348545
PCPG	CBX5	cg21826008	-0.0561005606894278	184	-0.758031747852483	0.449412396592062	0.00314727290966817	0.640662402750232
PCPG	CBX5	cg24505978	0.00578873226630129	184	0.0780955763082281	0.937837818634829	3.35094212509177e-05	0.96671730837257
PCPG	CBX5	cg25817259	0.054359042574909	184	0.734429465170479	0.463632203538153	0.00295490550966076	0.652881826841776
PCPG	CBX6	cg03028106	-0.193896404963398	184	-2.66640858930775	0.00835709696824562	0.0375958158577299	0.0371546463337353
PCPG	CBX6	cg04134624	-0.267134937908386	184	-3.73975321483672	0.000246619914462283	0.0713610750513174	0.0020682998734022
PCPG	CBX6	cg04215348	-0.0474254560792607	184	-0.640525113451455	0.522636891123916	0.00224917388432589	0.702356521353198
PCPG	CBX6	cg04801716	-0.146184065334577	184	-1.99354672065049	0.0476952386905015	0.021369780957744	0.139412612640025
PCPG	CBX6	cg06060673	-0.199352762094089	184	-2.74450405394891	0.00666749607700661	0.0397415237545423	0.0311694723763387
PCPG	CBX6	cg09913544	0.0384272111957612	184	0.518794602207167	0.604534205462725	0.00147665056028363	0.763362127558198
PCPG	CBX6	cg14498989	-0.10601387034705	184	-1.43831068549965	0.152063260983474	0.0112389407059612	0.318711353960406
PCPG	CBX6	cg24649346	-0.203823504694886	184	-2.80869042321103	0.0055176552241317	0.0415440210661062	0.0268308832670397
PCPG	CBX6	cg25836955	-0.114278717607245	184	-1.55187091715063	0.122430281487311	0.0130596252979563	0.274476093016742
PCPG	CBX7	cg00545295	-0.0675006042023925	184	-0.912714625808692	0.362600086057675	0.00455633156768805	0.561567778757555
PCPG	CBX7	cg01525244	-0.00601324411123995	184	-0.0811245649174675	0.935432031406563	3.61591047413619e-05	0.965568020742007
PCPG	CBX7	cg02523424	-0.135940654156607	184	-1.85112370394874	0.0657721876345013	0.0184798614525262	0.176054831395189
PCPG	CBX7	cg03804568	-0.221789676373087	184	-3.0685294920841	0.00247996944600091	0.0491906605456785	0.0141452264155873
PCPG	CBX7	cg10339854	-0.17173864019849	184	-2.35182302255217	0.0197508890689923	0.0294941605372265	0.0721361814193983
PCPG	CBX7	cg22268271	-0.123328217148942	184	-1.67658779025624	0.0953399277342042	0.0152098491451365	0.230172462306833
PCPG	CBX7	cg26672614	-0.24200910454437	184	-3.36490660342318	0.000933831153999292	0.058568406682368	0.00634079259790704
PCPG	CBX7	cg27062573	0.0321318435835694	184	0.433706218185449	0.665015433577517	0.00103245537207897	0.805527694315666
PCPG	CDYL2	cg01442398	0.0331676644720345	184	0.447702582196152	0.654900283223634	0.00110009396652946	0.798772578989361
PCPG	CDYL2	cg02461391	-0.0613354939579709	184	-0.829021929702134	0.40817793064438	0.00376204281906829	0.604174971735948
PCPG	CDYL2	cg06919916	-0.00551927553237586	184	-0.0744602318738609	0.940725960210923	3.04624024022829e-05	0.968336482736439
PCPG	CDYL2	cg10112854	0.0765953159856784	184	1.03637189393396	0.301403685704315	0.00586684243094591	0.499784681353118
PCPG	CECR2	cg03927893	-0.241350967084827	184	-3.35518900260815	0.000965258506210829	0.058250289312781	0.00651890964772682
PCPG	CECR2	cg12632097	-0.0430434888088383	184	-0.581227092853645	0.561806519814273	0.00185274192883659	0.732092269592985
PCPG	CECR2	cg13466481	-0.151304158091734	184	-2.06497825878775	0.0403428285382566	0.0228929482558485	0.123169416334538
PCPG	CECR2	cg26796679	-0.158560237648591	184	-2.16650231301419	0.0315728563026269	0.0251413489631776	0.102541593253729
PCPG	CHAF1A	cg03006338	0.0477999851983889	184	0.645595017813378	0.519354759811115	0.00228483858496619	0.699952950083952
PCPG	CHAF1A	cg04346879	0.0163733913744207	184	0.22091874086301	0.825403348345829	0.000268087945099955	0.906185919660387
PCPG	CHAF1A	cg05297461	0.141466119493457	184	1.92787069910058	0.0554278603700377	0.020012662964537	0.155475408149806
PCPG	CHAF1A	cg07783855	-0.0039480561362781	184	-0.0532626043270818	0.957581092999375	1.55871472552032e-05	0.977638042321234
PCPG	CHAF1A	cg09700233	-0.0318448069514321	184	-0.429827931090079	0.667829280383671	0.00101409172977398	0.807340325805073
PCPG	CHAF1A	cg18804734	0.0299187338908456	184	0.403806557418495	0.686829033960726	0.000895130637631235	0.819735473035711
PCPG	CHAF1A	cg23811775	0.122899728652358	184	1.67067320356523	0.0965049859935075	0.0151043433028232	0.232166637016735
PCPG	CHAF1A	cg24085258	0.0500481140092584	184	0.676033171065078	0.499877726885299	0.00250481371588372	0.683916424293264
PCPG	CHAF1B	cg00660452	0.152947658690082	184	2.0879428525289	0.0381950191754269	0.0233929862987779	0.118328354973245
PCPG	CHAF1B	cg02544117	0.108710466104723	184	1.47532796571121	0.141852261696009	0.0118179654407062	0.304078492066181

PCPG	CHAF1B	cg02908490	0.140197296295946	184	1.9102311627348	0.0576757677103869	0.0196552818886934	0.159931528379478
PCPG	CHAF1B	cg04634639	-0.184326312411039	184	-2.53005005399885	0.0122525899572103	0.033976189447052	0.0499857351267092
PCPG	CHAF1B	cg07872789	0.00379175100120874	184	0.0511538853930644	0.95925899656506	1.43773756551675e-05	0.978679583446926
PCPG	CHAF1B	cg13854874	0.00439185047097995	184	0.0592498735398687	0.952818092220828	1.92883505594468e-05	0.975053021129007
PCPG	CHAF1B	cg25942896	0.112455226146021	184	1.52678868031932	0.128549541403594	0.0126461778875527	0.283875980014511
PCPG	CHD1	cg03255775	0.0239906011411346	184	0.323744082670687	0.746503511174584	0.000575548943113011	0.857631177927006
PCPG	CHD1	cg03833628	-0.0714867740615822	184	-0.966883032197236	0.334885567366009	0.0051103588657317	0.534478547230808
PCPG	CHD1	cg08865521	-0.0193669722383643	184	-0.261323753064741	0.794138333016123	0.000375079613681575	0.887262454992262
PCPG	CHD1	cg11365324	-0.0320252734669175	184	-0.432266286671897	0.666059606831116	0.00102561814063085	0.806227591122001
PCPG	CHD1	cg12662497	0.0311536412552186	184	0.420489700853905	0.674623806439077	0.000970549363458856	0.811882126142779
PCPG	CHD1	cg16890600	0.00291595727462793	184	0.0393385815821382	0.968663565108785	8.50280682745552e-06	0.983505786792911
PCPG	CHD1	cg21082921	-0.0487018759186577	184	-0.657804804623191	0.511494694794585	0.00237187271799633	0.693621735175803
PCPG	CHD4	cg00079216	0.0465832827479421	184	0.629125815312322	0.530055553394101	0.00217000223157472	0.708082503415958
PCPG	CHD4	cg00824109	0.159279075192235	184	2.17657928982903	0.030799838836262	0.0253698237940935	0.100614876225252
PCPG	CHD4	cg04344119	0.118782856252939	184	1.6138943006044	0.108282800485593	0.0141093669396064	0.252170399071284
PCPG	CHD4	cg05147525	-0.0914352755950694	184	-1.23871827138327	0.217045081173269	0.00836040962314629	0.404387724404687
PCPG	CHD4	cg11565429	-0.0318596710471468	184	-0.430028764264455	0.667683452101777	0.0010150386392324	0.807213490493816
PCPG	CHD4	cg19509514	-0.0678632715373515	184	-0.917641087971046	0.360021230571447	0.00460542362375229	0.558886748170637
PCPG	CHD4	cg20308811	-0.0639925077611671	184	-0.865079212738269	0.388134133352654	0.00409504104956303	0.585959766544467
PCPG	CHRA1	cg00296189	-0.273947960928109	184	-3.84276695534656	0.000167933995095592	0.0750474852966687	0.00149957038733546
PCPG	CHRA1	cg07270064	-0.172446157438047	184	-2.36180823187542	0.0192426612604295	0.0297376772151477	0.0706214837049513
PCPG	CHRA1	cg08877624	0.0129252561145325	184	0.174385805429283	0.861756098426416	0.000167062245626259	0.92658151916918
PCPG	CHRA1	cg12002314	-0.0265515188193862	184	-0.358325901428106	0.720514711303415	0.000704983151616221	0.841528990213309
PCPG	CHRA1	cg18770186	0.155408101357045	184	2.12235578189952	0.0351602862628998	0.0241516779674016	0.111225573744959
PCPG	CHRA1	cg19486048	0.176331083704734	184	2.41670391516977	0.0166492600817888	0.0310926510804859	0.0632057651182254
PCPG	CHRA1	cg22610305	-0.0711749962162568	184	-0.96264461200996	0.337003152606648	0.00506588008638417	0.536614197926182
PCPG	CHRA1	cg23548819	-0.107002777703585	184	-1.45188205153492	0.1482560598000057	0.0114495944362828	0.313238237807866
PCPG	CLOCK	cg05960024	0.0447785475890227	184	0.604702187910694	0.546130042564047	0.00200511832418237	0.719806040925623
PCPG	CLOCK	cg06085476	0.0459903095802893	184	0.621100392075863	0.535310667307459	0.00211510857529085	0.711755412833877
PCPG	CLOCK	cg07236904	-0.114438202325784	184	-1.55406539111349	0.121906006963309	0.0130961021515571	0.273656208503929
PCPG	CLOCK	cg07500410	-0.101634451236043	184	-1.37826060103506	0.169814818422341	0.0103295616780517	0.343464314066317
PCPG	CLOCK	cg11774413	-0.103750578773221	184	-1.40726635880499	0.161053916814007	0.0107641825957783	0.331192926371368
PCPG	CLOCK	cg18928811	-0.0933983031057959	184	-1.26554391007587	0.207294149999063	0.00872324302304213	0.392241896845938
PCPG	CLOCK	cg22523077	-0.0695959091618229	184	-0.941182263510835	0.347859011422884	0.00484359057206071	0.547127687401635
PCPG	CLOCK	cg23506964	-0.0463106221873891	184	-0.625435487831765	0.532468725054653	0.00214467372738309	0.70988703411093
PCPG	CREBBP	cg00039463	0.183331189716646	184	2.51591468574147	0.012737419461957	0.0336103251229207	0.05154588658069
PCPG	CREBBP	cg00747661	0.0580210482949357	184	0.784067607367115	0.434019693137385	0.00336644204524326	0.627551028900428
PCPG	CREBBP	cg03039399	-0.144018570941063	184	-1.96338506324867	0.0511248979457485	0.0207413487759059	0.146641483326877
PCPG	CREBBP	cg03264209	0.10291999691845	184	1.39587929399491	0.164451315881245	0.0105925257565937	0.336056257523591
PCPG	CREBBP	cg08506924	-0.0229356657455321	184	-0.3095004636686	0.757294916862264	0.000526044763190774	0.864631994933965
PCPG	CREBBP	cg24567591	-0.056917408604813	184	-0.769104625234655	0.44282814852784	0.00323959140228724	0.635128558012072
PCPG	CTCF	cg01866162	-0.033705169155862	184	-0.454966094527625	0.649675866894585	0.00113603842782527	0.795143079028309
PCPG	CTCF	cg04487155	-0.0961460144373474	184	-1.30311767903941	0.194180797128883	0.00924405609218662	0.375465437124856
PCPG	CTCF	cg06241380	-0.0356023723630981	184	-0.480606950363768	0.631373078095039	0.00126752891788069	0.782504695587399
PCPG	CTCF	cg07967402	-0.0979172131647588	184	-1.32735394070647	0.186054258576987	0.00958778063395281	0.364912893095454
PCPG	CTCF	cg08324636	0.101996937725792	184	1.38322784969881	0.168289470648074	0.0104033753054391	0.341380366422285
PCPG	CTCF	cg10218542	-0.0113880029257579	184	-0.153642521852701	0.878061831711697	0.000129686610637071	0.935298871724606
PCPG	CTCF	cg10481400	-0.0884698083239143	184	-1.19822136147438	0.232388849798933	0.00782690698487015	0.423006649381305
PCPG	CTCF	cg23858565	-0.0577786721237029	184	-0.780781262198021	0.435945512557974	0.00333837495237837	0.629061158998646
PCPG	CXXC1	cg02159718	0.0949337636776896	184	1.28653701867128	0.199889795724435	0.00901241948601142	0.382840779176392
PCPG	CXXC1	cg07675399	-0.0223952786242021	184	-0.302204621217371	0.762841154911614	0.000501548504655645	0.868091407583074
PCPG	CXXC1	cg11871295	0.0274372899788234	184	0.370288682355307	0.711597975971167	0.000752804881382041	0.83580398839106
PCPG	CXXC1	cg13423076	-0.194391422361479	184	-2.67348291310509	0.00818949504521625	0.0377880250877189	0.0365872050212896
PCPG	CXXC1	cg15632775	0.00250430301785044	184	0.0337850007346802	0.973085620473756	6.27153360521483e-06	0.985834020408598
PCPG	CXXC1	cg20016845	0.168111535073779	184	2.30069209533451	0.0225428511057147	0.0282614882248624	0.0796773538808709
PCPG	CXXC1	cg27419474	0.179550155646921	184	2.46227896702762	0.0147364549132381	0.0322382583928336	0.0575823885438968
PCPG	DAXX	cg00221327	-0.040847247105587	184	-0.551519787683122	0.581953902146156	0.00166849759610488	0.747219282094772

PCPG	DAXX	cg02173004	-0.146118183769182	184	-1.99262867292151	0.0477966774098716	0.0213505236280044	0.139593969929476
PCPG	DAXX	cg02328295	-0.0806182961048629	184	-1.091151922887	0.276648464620816	0.00649930966685135	0.473293249839721
PCPG	DAXX	cg03085224	-0.0321564137847426	184	-0.434038202720491	0.664774786219709	0.00103403494749558	0.805398884155155
PCPG	DAXX	cg03369465	-0.0787243753128938	184	-1.06535630541867	0.28812602082267	0.00619752726840536	0.485645353899527
PCPG	DAXX	cg03382121	-0.0228634436135408	184	-0.308525366943693	0.758035455217754	0.000522737053869561	0.865069850723152
PCPG	DAXX	cg03902329	-0.0722514926599583	184	-0.977280100763176	0.329727714075432	0.00522027819159201	0.529343326897478
PCPG	DAXX	cg04086445	-0.0076879844352817	184	-0.103719645632148	0.917506038952619	5.91051046771337e-05	0.956545448133586
PCPG	DAXX	cg04152866	-0.00551500292107846	184	-0.0744025885642659	0.940771762039734	3.0415257219504e-05	0.96835585032839
PCPG	DAXX	cg04271391	-0.126519716499984	184	-1.72067144801249	0.0870099916083683	0.0160072386632363	0.215602971402497
PCPG	DAXX	cg04488476	0.0760845144527344	184	1.02942012278134	0.304648407336606	0.0057888533950836	0.50317440677788
PCPG	DAXX	cg04973788	-0.14535570616491	184	-1.9820056526836	0.0489838137564772	0.0211282813146998	0.14211937520499
PCPG	DAXX	cg05431670	-0.0720460548364927	183	-0.97180596179101	0.332443981087775	0.00519063401750292	0.532186745097177
PCPG	DAXX	cg05532204	-0.119778209116316	184	-1.62761410763857	0.105336679518646	0.014346819379112	0.247218802500182
PCPG	DAXX	cg06171013	-0.0404017593624793	184	-0.545494920746866	0.586081095294809	0.00163230215958368	0.750320286227184
PCPG	DAXX	cg07689821	-0.0588989898551142	184	-0.795972665163948	0.427084891660825	0.00346909100595284	0.621486009387621
PCPG	DAXX	cg08375286	-0.0679607511755367	184	-0.918965310672904	0.3593300244904	0.00461866370034321	0.558303939068209
PCPG	DAXX	cg08567382	-0.086640389822803	184	-1.17325460789805	0.242226898326121	0.00750655714864727	0.434599490956485
PCPG	DAXX	cg09097215	-0.192714120829464	184	-2.64952104582992	0.00876976343237372	0.0371387323670732	0.0385312874990445
PCPG	DAXX	cg09432361	0.0213099142262807	184	0.287551758151602	0.774017031313121	0.000454112444331442	0.874804480662439
PCPG	DAXX	cg09615909	-0.100829657255537	184	-1.3672342752033	0.173238106508119	0.0101666197822691	0.348122988600537
PCPG	DAXX	cg11111423	-0.0862156391348031	184	-1.1674595977439	0.24455203844253	0.00743313643142259	0.437409327231301
PCPG	DAXX	cg12025215	0.0551086709317092	184	0.744588120995361	0.457481094143174	0.00303696561185941	0.647678469813355
PCPG	DAXX	cg12832355	-0.14032601239862	184	-1.91202017101572	0.0574443557694528	0.0196913897556976	0.159498401482219
PCPG	DAXX	cg12923297	-0.0695076024385941	184	-0.939982243672498	0.348472540681527	0.00483130679676165	0.547702295736599
PCPG	DAXX	cg13443893	-0.0445327732188711	184	-0.601376567750256	0.548337510254466	0.00198316789056341	0.721514297093061
PCPG	DAXX	cg13826470	-0.113535546717724	184	-1.54164665261296	0.124896381221096	0.0128903203684926	0.278225447589312
PCPG	DAXX	cg14539675	-0.0243674579483355	184	-0.328832620727289	0.742660271206621	0.0005937730068639	0.855323154814394
PCPG	DAXX	cg14622330	-0.0335077310858654	184	-0.452297990594883	0.651592950293502	0.00112276804252267	0.796374322086577
PCPG	DAXX	cg14746369	0.0802273593423989	184	1.08582631343626	0.278991936750104	0.0064364291870544	0.475983567865643
PCPG	DAXX	cg14910283	-0.0613450557812381	184	-0.829151657236237	0.408104719952455	0.00376321586880322	0.604174971735948
PCPG	DAXX	cg16922466	0.0985947178146703	184	1.33662795428292	0.183012610334077	0.00972091838095447	0.361031647225286
PCPG	DAXX	cg17079757	-0.00602813192429321	184	-0.0813254234174506	0.935272519448522	3.6338374496683e-05	0.965493651574875
PCPG	DAXX	cg17504991	0.0853860952567386	184	1.15614371048479	0.249137766646069	0.00729078526319284	0.442599301631977
PCPG	DAXX	cg18187593	-0.0562404497276716	184	-0.759927921075031	0.448280921319408	0.00316298818557076	0.639691126858634
PCPG	DAXX	cg18279148	-0.128319042056984	184	-1.74554908047257	0.0825769170267982	0.016465776554422	0.207620590258322
PCPG	DAXX	cg18486541	-0.0226870527271943	184	-0.306143871052981	0.759845025081085	0.000514702361446495	0.866373105461302
PCPG	DAXX	cg18944910	-0.175844917394291	184	-2.40982785609059	0.0169561806646752	0.030921434973405	0.0640987957931747
PCPG	DAXX	cg18967278	-0.02465454255599	184	-0.332709096759904	0.739736798357486	0.000607846468645123	0.85340913055259
PCPG	DAXX	cg20223162	-0.116899006559844	184	-1.58794104849671	0.114035412619118	0.0136653777346785	0.261404098455716
PCPG	DAXX	cg20763184	-0.127368234635918	184	-1.73240096710701	0.0848962861409394	0.0162226671942701	0.211883916716338
PCPG	DAXX	cg21286626	0.0102400916493048	184	0.138153632612939	0.890271732489363	0.000104859476986162	0.941898533350707
PCPG	DAXX	cg24328964	-0.0959244079233826	184	-1.30008620266605	0.195215471496898	0.00920149203545151	0.376875927874471
PCPG	DAXX	cg24496586	-0.0748106578563717	184	-1.01208706652616	0.312840042004001	0.00559663452890311	0.511842311509617
PCPG	DAXX	cg24513883	-0.0947056901370291	184	-1.28341817174848	0.200977339477831	0.00896916774433097	0.384148185438289
PCPG	DAXX	cg24728112	-0.211517434592905	184	-2.91958405326509	0.00394791872802704	0.0447396251367639	0.0205571880540921
PCPG	DAXX	cg25642825	-0.162012957319162	184	-2.21493663491619	0.0280053877007236	0.0262481983393005	0.0938159986532914
PCPG	DAXX	cg26521092	-0.105704044831424	184	-1.43405965495626	0.153271119382927	0.0111733450937237	0.320448640416981
PCPG	DAXX	cg27052777	-0.128353405136329	184	-1.74602435711919	0.0824940562668893	0.0164745966100907	0.207499437830651
PCPG	DAXX	cg27393652	-0.0845982498973578	184	-1.14539887948875	0.253547862936962	0.00715686388569581	0.447563138921664
PCPG	DIDO1	cg00080059	0.0167993935600177	184	0.226668197103352	0.820936142554062	0.000282219623984365	0.903831977165876
PCPG	DIDO1	cg01488865	0.0772810798259616	184	1.04570611239029	0.297083580365207	0.00597236529906666	0.495133628472842
PCPG	DIDO1	cg06646488	0.0591271391698825	184	0.799066716379085	0.425293294567331	0.00349601858641466	0.620085211739465
PCPG	DIDO1	cg08610063	0.0694680708255263	184	0.939445046925972	0.34874741559632	0.00482581286422034	0.547899767478644
PCPG	DIDO1	cg13815390	-0.0436379319107647	184	-0.589269218151228	0.556411426981801	0.00190426910144853	0.727804932417901
PCPG	DIDO1	cg20969846	-0.00366047828504127	184	-0.0493828827436333	0.960668320855908	1.33991012752587e-05	0.979376098871213
PCPG	DIDO1	cg21212389	0.0119044232880924	184	0.160610831330085	0.872578053507461	0.000141715293822077	0.932474375242928
PCPG	DIDO1	cg21687703	0.048015583819577	184	0.648513644534929	0.517470189402937	0.00230549628953482	0.698380970722947

PCPG	DIDO1	cg22394521	-0.0192197617150943	184	-0.25933666513406	0.795668595588293	0.000369399240385005	0.88817907416999
PCPG	DMAP1	cg01604592	-0.296476732578036	184	-4.18798110438096	4.3801014131877e-05	0.0878984529601482	0.000473126366755796
PCPG	DMAP1	cg11683482	0.095199690473302	184	1.29017375728808	0.198627142583008	0.0090629810662125	0.381304904010032
PCPG	DMAP1	cg15990015	0.137841330294747	184	1.8775032503437	0.0620489666943047	0.0190002323374257	0.168748027093751
PCPG	DMAP1	cg18017761	0.0224225495469036	184	0.302572803373073	0.762560968903171	0.000502770728183348	0.86798202078257
PCPG	DMAP1	cg18167340	-0.0432518324749371	184	-0.584045670031652	0.559912766364431	0.00187072101244002	0.730601673755179
PCPG	DMAP1	cg21437596	-0.0288760015847218	184	-0.389721072426831	0.697198482614894	0.000833823467520855	0.826399219851686
PCPG	DMAP1	cg23021241	-0.332675193056817	184	-4.75910536450046	3.95033632418665e-06	0.11067278407539	5.77437925598978e-05
PCPG	DMAP1	cg23451311	-0.0163792377666957	184	-0.220997644745856	0.825342002750741	0.000268279429817951	0.906156934656079
PCPG	DMAP1	cg24485408	-0.223510378030183	184	-3.09358270099265	0.00228948641562572	0.0499568890871954	0.0132639489288939
PCPG	DNMT1	cg04160663	0.0888739413121084	184	1.20373835329415	0.230254018098094	0.00789857744434808	0.420438951364264
PCPG	DNMT1	cg04762346	-0.0992480611910486	184	-1.34557301412207	0.180114203037814	0.00985017765018212	0.357179747409409
PCPG	DNMT1	cg06128182	-0.0327015238285769	184	-0.441403755327293	0.659444676916151	0.00106938966071098	0.801767207440802
PCPG	DNMT1	cg06716436	0.0282776552432584	184	0.381639040514	0.703174314771362	0.000799625786056579	0.830376954678011
PCPG	DNMT1	cg10635912	-0.0735429638281213	184	-0.994842809473638	0.321133544867182	0.00540856752862435	0.520530281034545
PCPG	DNMT1	cg11380607	0.0529760504027668	184	0.715690978466413	0.475099374519919	0.00280646191627649	0.662921829164396
PCPG	DNMT1	cg13393778	-0.0657534720047072	184	-0.888986691860007	0.375183697871739	0.00432351908067382	0.573875503886774
PCPG	DNMT1	cg15043801	-0.0620252191360014	184	-0.838380185564087	0.402916935438585	0.00384712780886899	0.599436222518824
PCPG	DNMT1	cg21893394	-0.0935586277502792	184	-1.2677354704593	0.206511924577941	0.00875321682651532	0.391104234988347
PCPG	DNMT1	cg23401624	-0.0702099880806728	184	-0.949527735917314	0.343611428051169	0.00492944242628821	0.542962521732505
PCPG	DNMT1	cg24477899	0.058722743349001	184	0.793582580579308	0.428471890675605	0.00344836058643264	0.622661307628829
PCPG	DNMT1	cg27429799	0.124397095790908	184	1.691346079322	0.0924823160115882	0.0154746374412125	0.225238535213997
PCPG	DNMT3A	cg02208653	-0.145371572650372	184	-1.98222667152362	0.0489588627452106	0.0211328941348424	0.142057579665097
PCPG	DNMT3A	cg03463641	-0.12664313042392	184	-1.72237722535035	0.0866999682708625	0.01603848248357	0.215108828947966
PCPG	DNMT3A	cg06112956	-0.139754009752851	184	-1.90407073637764	0.0584786177081495	0.019531183242	0.161625948981695
PCPG	DNMT3A	cg07150430	0.0308391726076616	184	0.41624116543179	0.677723971454524	0.000951054567125144	0.813800182683501
PCPG	DNMT3A	cg12066181	-0.085177572638346	184	-1.15329961541494	0.25029979790407	0.0072552188805607	0.443923636735955
PCPG	DNMT3A	cg13076778	-0.177441578148278	184	-2.43241697142047	0.0159662844377823	0.0314855136557514	0.0611892768881636
PCPG	DNMT3A	cg13344237	-0.109081395161876	184	-1.48042242073701	0.140489562274395	0.0118987507704613	0.302029652561053
PCPG	DNMT3A	cg15990840	-0.0994643273858863	184	-1.34853434608601	0.17916227868234	0.00989315242232677	0.355908145294608
PCPG	DNMT3A	cg15998962	-0.121120424488134	184	-1.64612291260803	0.101464202631359	0.0146701572281858	0.240767025973155
PCPG	DNMT3A	cg21629895	0.000530283191663884	184	0.00715391237877163	0.994299887883496	2.81200263361236e-07	0.997058888261977
PCPG	DNMT3A	cg21708767	-0.183120145646106	184	-2.51291790922753	0.0128423792271423	0.0335329877414512	0.0518641981828534
PCPG	DNMT3A	cg22731525	-0.0114778741345644	184	-0.154855188503932	0.87710708022046	0.000131741594648903	0.934920074586898
PCPG	DNMT3A	cg25044635	-0.14075396551581	184	-1.91796894696162	0.056680459826558	0.0198116788084259	0.157975053444656
PCPG	DNMT3A	cg26470599	0.12988508100854	184	1.76721552785455	0.078868062465705	0.0168701342685951	0.200879483071638
PCPG	DNMT3A	cg26995204	-0.0297596214634396	184	-0.401657143367856	0.688407611882826	0.000885635069647218	0.820953651489049
PCPG	DNMT3B	cg00300969	0.274093426240998	184	3.84497315115695	0.000166543386890809	0.0751272063085296	0.00148886189838929
PCPG	DNMT3B	cg13636640	0.0719069077978706	184	0.972594932148684	0.33204551196001	0.00517060338905146	0.531745822335564
PCPG	DNMT3B	cg14224313	-0.0383984174016276	184	-0.518405291336801	0.604805200684853	0.00147443845894962	0.763616258736955
PCPG	DNMT3B	cg16523653	0.0269047517734287	184	0.363096385673694	0.71695424445175	0.000723865667989817	0.839172160761907
PCPG	DNMT3B	cg16953106	0.0180552065268204	184	0.243617764676321	0.807801250532758	0.000325990482726138	0.895901153112816
PCPG	DNMT3B	cg17475857	0.204742892477045	184	2.82191262397022	0.00530447774127624	0.0419196520198668	0.0259990260461721
PCPG	DNMT3B	cg17721173	-0.010611533337819	184	-0.143165472179143	0.886317879062479	0.000112604639779645	0.939747489931805
PCPG	DNMT3B	cg22605822	-0.0180978994627775	184	-0.244194006288771	0.807355634144514	0.000327533964964801	0.895706156968847
PCPG	DNMT3B	cg24403338	0.152326754543465	184	2.07926490058905	0.0389948353640059	0.0232034401497452	0.120236394066884
PCPG	DNMT3B	cg25803642	-0.00685593772355469	184	-0.0924938303884314	0.926407425696238	4.70038820692603e-05	0.961235948561867
PCPG	DNMT3L	cg09247319	0.163655653693731	184	2.2380093803759	0.0264328373366284	0.0267831729859225	0.0898150752463712
PCPG	DNMT3L	cg15635600	0.133641341700659	184	1.81923927535715	0.0705183156132505	0.0178600082115522	0.185384625737267
PCPG	DNMT3L	cg27187798	0.140840441101986	184	1.91917113669363	0.0565271237093646	0.0198360298498019	0.15765500526463
PCPG	DPF1	cg06168449	-0.20212271028877	184	-2.78425080761033	0.00593231967518921	0.040853590014478	0.0284226690159308
PCPG	DPF1	cg06615189	-0.0833284486429197	184	-1.12808555915441	0.260768685947858	0.0069436303532357	0.455993507341928
PCPG	DPF1	cg07480327	-0.124094306270753	184	-1.6871647798943	0.0932848007717696	0.0153993968488195	0.226592487196856
PCPG	DPF1	cg08057062	-0.077243097983706	184	-1.0451890867168	0.297321774945363	0.0059664961861204	0.495360698386313
PCPG	DPF1	cg13322582	-0.130168855800335	184	-1.77114304070933	0.0782106053872272	0.0169439310203684	0.199636310512647
PCPG	DPF1	cg13917712	-0.0658529831177872	184	-0.890337937134675	0.374459868504271	0.00433661538551156	0.573133939725256
PCPG	DPF1	cg17121541	-0.00442129577534499	184	-0.05964712398416	0.952502129197721	1.95478563330835e-05	0.974973364018994

PCPG	DPF1	cg22145401	0.000409140824916577	184	0.00551961195733491	0.995602054576997	1.67396214613417e-07	0.997756759768156
PCPG	DPF1	cg27400772	-0.0311804788965799	163	-0.395828387603894	0.692755675315037	0.000972222264220066	0.82364987552472
PCPG	DPF2	cg02186298	0.118950508128645	184	1.61620484418867	0.107782092409906	0.0141492233840627	0.251388142259887
PCPG	DPF2	cg14699126	-0.136767007900909	184	-1.86259011714374	0.0641316001482125	0.0187052144501674	0.172840938920147
PCPG	DPF2	cg15918224	-0.314975700959408	184	-4.47714224520918	1.33197643566609e-05	0.0992096921948702	0.000168022984978446
PCPG	DPF2	cg15929437	0.0472706398790114	184	0.638429485581915	0.523996680345111	0.00223451339457118	0.703187816987537
PCPG	DPF2	cg18224556	-0.0453014122882133	184	-0.611777537248434	0.54144841839891	0.00205221795530668	0.716414692998153
PCPG	DPF2	cg19517014	0.095642937744598	184	1.29623609980277	0.196535420174453	0.00914757154041704	0.378644257585661
PCPG	DPF3	cg00888802	-0.105992544204871	184	-1.43801806181561	0.152146170186747	0.0112344194270215	0.318816408444655
PCPG	DPF3	cg05151458	-0.0515309111673956	184	-0.696114857147083	0.487244908556104	0.00265543480574202	0.673550544036775
PCPG	DPF3	cg07171024	-0.149453438332984	184	-2.03913916654641	0.0428821307399413	0.0223363302295511	0.128831871429018
PCPG	DPF3	cg10266394	-0.155611115220328	184	-2.12519702884386	0.0349192679707666	0.0242148191801142	0.110665642747294
PCPG	DPF3	cg12913429	-0.0611378014945517	184	-0.826339840239084	0.409693313015065	0.00373783077158721	0.605603131274112
PCPG	DPF3	cg13819165	0.0262780074847111	184	0.354632166532927	0.72327575061962	0.000690533677366533	0.843235653071571
PCPG	DPF3	cg14238615	-0.0804477555271668	184	-1.08882863966887	0.277669129447383	0.0064718413693588	0.474442122543176
PCPG	DPF3	cg14242696	-0.155818522272434	184	-2.12810004493231	0.0346744802758349	0.0242794118831652	0.110060243933996
PCPG	DPF3	cg15392845	-0.0921929415673401	184	-1.24907036832703	0.213243461088102	0.00849953847483898	0.399659386428829
PCPG	DPF3	cg15740492	-0.127332763757116	184	-1.73191055697601	0.0849838134752885	0.0162136327260256	0.212013943029747
PCPG	DPF3	cg16696021	-0.118031016533702	184	-1.60353431938246	0.110550726072025	0.013931320863979	0.255904519417
PCPG	DPF3	cg19710444	-0.174270943882578	184	-2.38757892353939	0.0179838675483787	0.0303703618817246	0.0670968774667196
PCPG	DPF3	cg19839347	-0.100244540947839	184	-1.35921941406175	0.175758899255578	0.010048967989843	0.35155910084334
PCPG	DPF3	cg20548765	0.00581610382122896	184	0.0784648574217978	0.937544484449685	3.38270636593141e-05	0.966583649821225
PCPG	DPF3	cg21035356	-0.102587883313935	184	-1.39132692874589	0.165824668998033	0.0105242738028335	0.338024515479745
PCPG	DPF3	cg22784589	-0.264955282906704	184	-3.70692509477377	0.000278289721889768	0.0702013019401716	0.00229432711156132
PCPG	DPF3	cg23515460	-0.183606239375274	184	-2.5198208670057	0.0126017579557774	0.0337112511375303	0.0511046842731455
PCPG	DPF3	cg24383902	-0.0995993858932802	184	-1.35038379945743	0.178569685755896	0.00992003767031855	0.355159150105301
PCPG	DPF3	cg25495195	-0.183642714853048	184	-2.52033892790408	0.0125838629291076	0.0337246467185978	0.0510374345814607
PCPG	DPF3	cg26057784	-0.0496892676316099	184	-0.671173953471245	0.502960650569329	0.00246902331776575	0.686504445133615
PCPG	EED	cg00080012	-0.0536623233987078	184	-0.72498892992877	0.469389892849351	0.00287964495254751	0.658223949296328
PCPG	EED	cg01739327	-0.156986838293673	184	-2.14445802559636	0.0333225926577661	0.0246448673974439	0.106753604300056
PCPG	EED	cg02172616	-0.434021112890098	184	-6.49933109934893	7.50815756497017e-10	0.188374326434359	2.54173024198995e-08
PCPG	EED	cg04607174	-0.451184713910684	184	-6.82049074912109	1.29631199620414e-10	0.203567646066666	5.07076792778564e-09
PCPG	EED	cg06358433	-0.219706438241041	184	-3.03823811493699	0.00272976973364124	0.0482709190045646	0.0152772234954222
PCPG	EED	cg10086030	-0.52117425547306	184	-8.23835341984106	3.33155064502857e-14	0.271622604567899	2.3454719536593e-12
PCPG	EED	cg10535675	-0.320918093048356	184	-4.57120683763622	8.93224345375221e-06	0.102988422445793	0.000118357170369818
PCPG	EED	cg12672785	-0.024790941911885	184	-0.334550913036115	0.73834910361094	0.000614590800878458	0.852689781270593
PCPG	EED	cg16265078	-0.313897137010566	184	-4.46013238599592	1.43086862878735e-05	0.0985314126234299	0.000178914380257991
PCPG	EED	cg18574463	0.0153062140995726	184	0.206516310261239	0.83661847584371	0.000234280190061955	0.912523277340908
PCPG	EED	cg19325359	-0.386758599150161	184	-5.65795521109256	5.85987017549131e-08	0.149582214016595	1.34671415194142e-06
PCPG	ELP3	cg01209934	-0.00464226533628768	184	-0.0626282581935122	0.950131253607701	2.15506274524982e-05	0.973622650304379
PCPG	ELP3	cg02516513	0.0383552735828716	184	0.517821961197523	0.605211353470874	0.00147112701161693	0.763905895087261
PCPG	ELP3	cg04720865	0.0387904768039485	184	0.523706301564995	0.601119952596749	0.00150470109067766	0.760939314820787
PCPG	ELP3	cg05621091	-0.436140810772613	184	-6.53850676559253	6.07590250555899e-10	0.190218806821393	2.08683779036404e-08
PCPG	ELP3	cg15692687	-0.111455621932075	184	-1.51304570978934	0.132002603258165	0.0124223556602656	0.289145727660586
PCPG	ELP3	cg17572663	-0.127262528188686	184	-1.73093952020816	0.0851573390981627	0.0161957510809762	0.212310676467085
PCPG	ELP3	cg18022570	-0.120605500719774	184	-1.6390211687384	0.102936319150616	0.0145456868038674	0.243192055758109
PCPG	ELP3	cg18249244	-0.382238247809683	184	-5.58043269437246	8.58777468778185e-08	0.146106078088616	1.89257037977706e-06
PCPG	ELP3	cg19781013	0.087008359825923	184	1.17827546194837	0.24022508751166	0.00757045467959729	0.432164060261363
PCPG	ELP3	cg22414525	-0.0518298810861757	184	-0.700164394710984	0.484718682728318	0.00268633657340712	0.671430444688784
PCPG	ELP3	cg22487209	-0.226590440572171	184	-3.13850425759682	0.00198139302388114	0.0513432277586905	0.0118042953668103
PCPG	ELP3	cg25374552	-0.062250953475	184	-0.841443231456562	0.401203900834035	0.00387518120854662	0.597802265111721
PCPG	ELP4	cg04972224	-0.393670984816425	184	-5.7774313770217	3.22981008715446e-08	0.154976844286334	7.8863730671718e-07
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PCPG	ELP4	cg05635455	-0.495432143667039	184	-7.69443487946292	8.68556111773687e-13	0.245453008978518	4.94644613172198e-11
PCPG	ELP4	cg08111895	-0.394307204858192	184	-5.78848573097378	3.055380786387e-08	0.15547817180308	7.52660838809975e-07
PCPG	ELP4	cg08626560	-0.488281845626833	184	-7.54828460945948	2.0490538891798e-12	0.238419160768746	1.11315711071825e-10
PCPG	ELP4	cg09616795	0.044622788249135	184	0.602594565666264	0.547528516669069	0.00199119323112714	0.720852162428769

PCPG	ELP4	cg10583382	-0.394560079284531	184	-5.79288217172105	2.98859942957914e-08	0.155677656165015	7.38548615072043e-07
PCPG	ELP4	cg11385473	-0.260269859630762	184	-3.63656320078276	0.00035957066006456	0.0677403998322164	0.0028441728448462
PCPG	ELP4	cg13263383	-0.428565390786802	184	-6.39910826511244	1.28596535241201e-09	0.183668294180245	4.17008706234015e-08
PCPG	ELP4	cg19328333	-0.405844957768039	184	-5.99069544260488	1.09367224805404e-08	0.164710129745741	2.97174777733551e-07
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PCPG	ELP4	cg24531794	-0.37889436699325	184	-5.52338873614492	1.13519072412475e-07	0.143560941339216	2.43616626738099e-06
PCPG	ELP4	cg25130734	-0.502836108910486	184	-7.847955849179	3.49609290543446e-13	0.252844152424238	2.11324826328957e-11
PCPG	EP300	cg00500400	-0.0362947071677893	184	-0.489965192671608	0.62474862385213	0.00131730576839558	0.777796725983432
PCPG	EP300	cg02046995	0.0927299536517112	184	1.25640896407386	0.210578001970143	0.00859884430424851	0.396306006514063
PCPG	EP300	cg07519229	-0.125237269994693	184	-1.70295078131793	0.0902843651121601	0.0156843737957237	0.2212869525823
PCPG	EP300	cg08131204	-0.194017900052241	184	-2.66814468681186	0.00831568207625321	0.0376429455406813	0.0370128259205883
PCPG	EP300	cg09331127	-0.138239589609435	184	-1.8830337308833	0.0612911591442776	0.0191101841353851	0.167219065528159
PCPG	EP300	cg24349919	-0.0468673703908796	184	-0.632970952691426	0.527547121908637	0.0021965504073559	0.706137421527564
PCPG	EPC1	cg02900516	0.0260879643867232	184	0.35206570626256	0.725196303659327	0.00068058188584294	0.84430957133261
PCPG	EPC1	cg16942190	-0.134670920058685	184	-1.83351264511783	0.0683597495647618	0.0181362567094526	0.181247345272522
PCPG	EPC1	cg26211455	-0.0672073677848352	184	-0.908731576968109	0.364693597691995	0.0045168302845661	0.563644497760119
PCPG	EPC2	cg00066942	-0.0806302558699707	184	-1.09131485501004	0.276576982158262	0.00650123816165694	0.473191769298874
PCPG	EPC2	cg03664802	-0.125591201940876	184	-1.70784049301159	0.0893710251045267	0.0157731500049538	0.219773337347291
PCPG	EPC2	cg04098458	-0.0952977011590412	184	-1.29151419358256	0.198163237347053	0.00908165184619792	0.380714977925928
PCPG	EPC2	cg05586854	-0.134575768642341	184	-1.83219327812065	0.0685569530781909	0.018110637505677	0.181578360607544
PCPG	EPC2	cg10458926	-0.218607373810339	184	-3.02227477109968	0.00287054917607188	0.0477891838842535	0.0158974676092637
PCPG	EPC2	cg11721798	-0.0891341860464648	184	-1.20729138218374	0.22888661722968	0.0079449031221658	0.418853586492499
PCPG	EPC2	cg12432635	-0.0773891167163441	184	-1.04717678348378	0.296406743345401	0.00598907538613593	0.494364989211932
PCPG	EPC2	cg16434205	0.00115328413365662	184	0.015558663930016	0.987603525583477	1.3300642929441e-06	0.993388095179026
PCPG	EPC2	cg21347644	-0.202300889972191	184	-2.78680992959081	0.00588760895954717	0.0409256500835406	0.0282513238115778
PCPG	EPC2	cg21650422	-0.00199882709847201	184	-0.0269657056879899	0.978516631545893	3.99530976958602e-06	0.988850792201727
PCPG	EZH1	cg00728999	-0.401533152550368	184	-5.91473601805383	1.6129530693903e-08	0.161228872597037	4.22485087811949e-07
PCPG	EZH1	cg01716316	0.116565537791041	184	1.5833487646676	0.115078122704301	0.0135875246005147	0.262996555169933
PCPG	EZH1	cg03623386	-0.332323354154856	184	-4.75344686245136	4.04997266215536e-06	0.110438811716734	5.90670366103701e-05
PCPG	EZH1	cg05375741	-0.418797304165641	184	-6.22179337420701	3.29153662199904e-09	0.175391181976408	9.8485307681459e-08
PCPG	EZH1	cg05979501	-0.348249546464591	184	-5.0118774259153	1.27123137304947e-06	0.121277746612793	2.11628875315665e-05
PCPG	EZH1	cg06975499	-0.211910107234422	184	-2.92525872016483	0.00387984614793424	0.0449058935481043	0.0202664843370977
PCPG	EZH1	cg12812489	-0.221295747055546	184	-3.06134352295018	0.00253724390285185	0.0489718076648722	0.0144186767512041
PCPG	EZH1	cg19395400	-0.0245033219266222	184	-0.330667168842377	0.741276263813022	0.000600412785439682	0.85442490468604
PCPG	EZH1	cg22227424	0.0346436193618115	184	0.467648692692096	0.640595303876213	0.00120018036248608	0.788851397213396
PCPG	EZH1	cg27088844	-0.105206670566038	184	-1.42723620238283	0.155225251085602	0.0110684435315908	0.323099755590269
PCPG	EZH2	cg01893439	-0.0547726749657585	184	-0.740034686436907	0.460232489112015	0.00300004592290463	0.650046130626611
PCPG	EZH2	cg02303805	0.0949030318173215	184	1.2861167564903	0.200036088262003	0.00900658544811953	0.38297953511319
PCPG	EZH2	cg06816161	0.013862568155382	184	0.187034241059626	0.851842119313465	0.00019217079586261	0.921018551929393
PCPG	EZH2	cg13751213	-0.0419729145247231	184	-0.566745019276528	0.571585697503636	0.00176172555369971	0.739410641561732
PCPG	EZH2	cg18494018	0.0287741944387246	184	0.388345905381263	0.69821395354507	0.00082795426559753	0.826929379646574
PCPG	EZH2	cg20101066	-0.0738680496200179	184	-0.999264438419091	0.318993313015247	0.00545648875466542	0.518388289208668
PCPG	FBXL19	cg00026853	-0.0852719144687269	184	-1.15458634962658	0.249773596298189	0.00727129939716188	0.443420539172461
PCPG	FBXL19	cg02291855	0.103047911178418	184	1.39763277291029	0.163924638364368	0.0106188719982351	0.335182497947685
PCPG	FBXL19	cg03181514	0.181345798030853	184	2.48773675615705	0.013755255390356	0.0328862984634469	0.0546124496191364
PCPG	FBXL19	cg03627896	0.133846788832794	184	1.82208697319347	0.0700832126216002	0.0179149628808505	0.184540124650852
PCPG	FBXL19	cg04477789	-0.0106533556555299	184	-0.143729781780934	0.885872870511276	0.00011349398672321	0.939518082566
PCPG	FBXL19	cg05643349	-0.0850956825798586	184	-1.15218273704389	0.250757170445258	0.00724127519373205	0.444359984456001
PCPG	FBXL19	cg05768582	-0.0467016198145231	184	-0.630727493500884	0.52900993325453	0.00218104129330026	0.707332747826174
PCPG	FBXL19	cg06862768	0.105269915487902	184	1.42810379607412	0.154975732427488	0.0110817551068301	0.322711585654434
PCPG	FBXL19	cg07697662	0.0037264229919455	184	0.0502725436831522	0.959960332812823	1.38862283149001e-05	0.979061311921597
PCPG	FBXL19	cg08535091	0.0933421098986979	184	1.26477579961454	0.207568821133963	0.0087127494803406	0.392532485871492
PCPG	FBXL19	cg08593668	0.0691878881837064	184	0.935637760572827	0.350699521243783	0.00478696387132106	0.549675941432854
PCPG	FBXL19	cg09011601	0.0159586136144496	184	0.215320888568002	0.829758245869282	0.000254677348495298	0.908594856415108
PCPG	FBXL19	cg11940219	-0.00675743086539352	184	-0.0911648078539409	0.927461896791621	4.5662871900573e-05	0.961730836274791
PCPG	FBXL19	cg26666512	-0.133884532682347	184	-1.82261016579793	0.0700035154683826	0.0179250680915704	0.184392682411707
PCPG	FBXL19	cg27602786	-0.0249558380413554	184	-0.336775749513588	0.736672617941899	0.000622793852346363	0.851503048009333

PCPG	FBXW9	cg02753619	0.00322234671223629	184	0.0434720595295729	0.965372893837369	1.038351833386e-05	0.981774803840441
PCPG	FBXW9	cg03160342	-0.0497579141729142	184	-0.672103491146361	0.502370124152944	0.00247585002283909	0.686007841957431
PCPG	FBXW9	cg05868316	0.0156828183226011	184	0.211598809289464	0.832656800087209	0.000245950790539711	0.910227599770935
PCPG	FBXW9	cg06489804	-0.0815214855058921	184	-1.10345773251699	0.271285297610653	0.00664575259908737	0.467572856308115
PCPG	FBXW9	cg12110584	-0.0816033691436509	184	-1.10457351868128	0.270802586400584	0.00665910985559495	0.466993619523213
PCPG	FBXW9	cg14342428	0.0904118287051023	184	1.22473821322899	0.22256684532087	0.00817429876980076	0.410806531873973
PCPG	FBXW9	cg15828427	-0.0398221547184116	184	-0.537656716741062	0.591470870491856	0.00158580400641711	0.754136507998876
PCPG	FBXW9	cg19721801	0.0418292694706774	184	0.564802026819529	0.572903909578516	0.00174968778445055	0.740451009980746
PCPG	FBXW9	cg21564527	0.0338784094925201	184	0.457307243292796	0.647995630658881	0.00114774662974287	0.793825825758926
PCPG	FBXW9	cg22303873	0.038088097088017	184	0.514209640237167	0.60772922844387	0.00145070313978621	0.765618169706765
PCPG	FKBP1A	cg04613791	0.107700679087749	184	1.46146238988913	0.145612975289114	0.0115994362759622	0.309568440314662
PCPG	FKBP1A	cg07516946	0.0668622645946054	184	0.904044321400087	0.367166976068829	0.00447056242671902	0.566048784928925
PCPG	FKBP1A	cg10996143	0.0446722111767226	184	0.60326331604505	0.547084586259579	0.0019956064514177	0.720530568514248
PCPG	FKBP1A	cg21332426	0.334352970458006	184	4.78611927382699	3.50641543798599e-06	0.111791908854092	5.19825014752562e-05
PCPG	FKBP1A	cg21775445	0.238946032896042	184	3.31972108431301	0.00108853995491758	0.0570952066367562	0.00720452669963184
PCPG	FKBP1A	cg24641773	0.0158799513740977	184	0.214259273394588	0.830584738139393	0.000252172855643709	0.909124364277068
PCPG	FKBP1A	cg26779912	0.0971927351197617	184	1.31743899372396	0.18934761747173	0.00944642776006015	0.369231176457506
PCPG	FKBP2	cg03764062	-0.0697725253197796	184	-0.943582406764555	0.346633979141744	0.00486820528949929	0.54598353785207
PCPG	FKBP2	cg04446112	-0.00902548850299563	184	-0.121765456347993	0.903219111027491	8.14594427177063e-05	0.948758505509675
PCPG	FKBP2	cg06615912	-0.2114064192185	184	-2.91797999489795	0.00396735808905629	0.0446926740867882	0.0206307924585592
PCPG	FKBP2	cg09854726	-0.063854644170852	184	-0.863207872873004	0.389159278515851	0.00407741558218613	0.586801382246513
PCPG	FKBP2	cg10998122	-0.0787678982279934	184	-1.06594896567829	0.287858739279334	0.00620438179125553	0.485373621247512
PCPG	FKBP2	cg12423493	0.0217083315003047	184	0.292930433315825	0.769909038941449	0.000471251656527122	0.872478082084729
PCPG	FKBP2	cg15010817	-0.131967704418513	184	-1.79604989005049	0.0741452441051319	0.017415475009492	0.192249279069247
PCPG	FKBP2	cg16977872	0.154159718562721	184	2.10489028903197	0.0366735258627881	0.0237652188273373	0.114812679422501
PCPG	FKBP2	cg19924313	-0.0654244077494533	184	-0.884518571146605	0.377583362387149	0.00428035312936672	0.576158646062255
PCPG	FKBP2	cg21809711	-0.0316201881767163	184	-0.426793075355175	0.670034475796617	0.00099983630033095	0.808811439191293
PCPG	FKBP2	cg22074794	-0.00435761766292533	184	-0.0587880344521258	0.953185436824998	1.89888316962388e-05	0.975262160803387
PCPG	FKBP2	cg24677501	0.137314387040689	184	1.87018768291985	0.0630634335099868	0.01885524088836	0.17074887743547
PCPG	FKBP5	cg00130530	0.0158584441847907	184	0.213969015910871	0.830810743326308	0.000251490251962122	0.909248216399516
PCPG	FKBP5	cg00140191	0.172421758566469	184	2.36146382734193	0.0192599970444431	0.0297292628271537	0.0706717706747517
PCPG	FKBP5	cg00610228	-0.0827856530390026	184	-1.12068641381251	0.2638979642791	0.00685346434909412	0.459389966952232
PCPG	FKBP5	cg01294490	-0.0667402773251348	184	-0.902387545721464	0.36804374141555	0.0044542646174359	0.566917369310972
PCPG	FKBP5	cg07485685	-0.0634259437262409	184	-0.857389073395907	0.392357494490459	0.00402285033756428	0.589362018273619
PCPG	FKBP5	cg07843056	-0.0699832862478574	184	-0.946446680556514	0.345175683905264	0.00489766035404955	0.544401361454153
PCPG	FKBP5	cg08636224	0.0346249579558752	184	0.467396482896834	0.640775360801015	0.00119888771344612	0.788916507108444
PCPG	FKBP5	cg08915438	-0.0066706200150292	184	-0.0899935862590914	0.928391272249216	4.44971713849081e-05	0.962168720053229
PCPG	FKBP5	cg10913456	-0.0439829879598399	184	-0.593937713131099	0.553291276276225	0.00193450322987542	0.725284628224862
PCPG	FKBP5	cg16012111	-0.00433550656173607	184	-0.0584897309351747	0.95342271135286	1.87966171468565e-05	0.975381963590045
PCPG	FKBP5	cg17030679	-0.0462901352590096	184	-0.625158212933789	0.532650266333559	0.0021427766222974	0.709929524386328
PCPG	FKBP5	cg20813374	-0.114500468865559	184	-1.5549221977746	0.121701791097633	0.0131103573704328	0.273316083621514
PCPG	FKBP5	cg25114611	0.0378680997027189	184	0.511235280511356	0.609805958446187	0.00143399297509506	0.767184599640089
PCPG	FMR1	cg02921434	0.0030682248803005	184	0.0413928114816164	0.967028117200387	9.41400391609504e-06	0.982678928214838
PCPG	FMR1	cg03513471	0.138906518919249	184	1.8922962628171	0.060039158549622	0.0192950209982636	0.164750839513555
PCPG	FMR1	cg04552106	-0.0260687345706847	184	-0.351806016991689	0.725390733680843	0.000679578922116813	0.844460108282342
PCPG	FMR1	cg04744025	-0.0466729091334287	184	-0.630338895388193	0.52926352366659	0.00217836044697729	0.707485378286144
PCPG	FMR1	cg05288927	0.00528690033678798	184	0.0713251817898534	0.943217269862276	2.79513151711289e-05	0.969718299567398
PCPG	FMR1	cg07147350	-0.00479532063904376	184	-0.0646931560899635	0.948489314088908	2.29951000312391e-05	0.972619130288839
PCPG	FMR1	cg08434396	0.0562245037132842	184	0.759711773171477	0.448409817613559	0.0031611948178051	0.639766527508524
PCPG	FMR1	cg14470409	0.0257326567776152	184	0.347267513430616	0.728791594570221	0.000662169624834545	0.846620175728281
PCPG	FMR1	cg16783314	0.0126624199718765	184	0.170839081207641	0.864540076268989	0.000160336879544178	0.928091830671474
PCPG	FMR1	cg22625568	-0.0966525226326721	181	-1.29920525957502	0.195544412189993	0.0093417101312592	0.377314333951144
PCPG	FXR2	cg01807919	0.183883822835299	184	2.52373635361915	0.0124661345097877	0.0338132603005236	0.0506470894116579
PCPG	FXR2	cg01933235	-0.253686206025465	184	-3.538159356668	0.000511358170164246	0.0643566911275949	0.00381980464435853
PCPG	FXR2	cg05529097	-0.403267490946382	184	-5.94523226385604	1.38051058449914e-08	0.16262466925419	3.66037629211064e-07
PCPG	FXR2	cg05913233	-0.495898642906128	184	-7.70404119510539	8.20685054396895e-13	0.24591546403614	4.69819599473953e-11
PCPG	FXR2	cg09625173	-0.15418906015238	184	-2.10530067352023	0.036637337692185	0.0237742662706742	0.114745041106249

PCPG	FXR2	cg17777561	-0.461851862993449	184	-7.02482954077199	4.13778466758794e-11	0.213307143350519	1.75228535890221e-09
PCPG	FXR2	cg19178740	-0.214239331616302	184	-2.95894986967595	0.0034973534189102	0.0458984912113997	0.0186325922387823
PCPG	FXR2	cg22521096	-0.490123307564872	184	-7.58572973992242	1.64581432575982e-12	0.24022085661833	9.03560195188142e-11
PCPG	FXR2	cg26904212	0.0517660294184389	184	0.699299510189619	0.48525762259638	0.00267972180175069	0.671873886400505
PCPG	G2E3	cg02259031	0.018611689345226	184	0.251128915229922	0.80199774729985	0.000346394980283199	0.891944313048714
PCPG	G2E3	cg05076167	-0.0258019433457736	184	-0.34820317203523	0.728090029452707	0.00066574028041851	0.846262086279239
PCPG	G2E3	cg07906495	-0.0259639524068363	184	-0.350390991919225	0.726450479884084	0.000674126824584458	0.845065165102692
PCPG	G2E3	cg08810065	-0.137893804048077	184	-1.87823183374095	0.0619486820265302	0.0190147011948496	0.168539834674426
PCPG	G2E3	cg09837748	-0.20227069493353	184	-2.78637623029106	0.00589516455327471	0.0409134340288933	0.0282812303439475
PCPG	G2E3	cg18580322	0.0547464640586695	184	0.739679485502484	0.460447509664794	0.00299717532692719	0.650221524566846
PCPG	G2E3	cg18755078	-0.183690119306035	184	-2.52101222904417	0.0125606394433333	0.0337420599306653	0.05095652820477
PCPG	G2E3	cg18956956	0.0689818904921498	184	0.932838684876254	0.35213913479678	0.00475850121587095	0.551016007972901
PCPG	G2E3	cg19554565	0.087936202111299	184	1.19093778857403	0.235228909131367	0.00773277564175922	0.426410293765945
PCPG	G2E3	cg21061067	-0.105498114642744	184	-1.4312343773106	0.154077934814023	0.0111298521931735	0.321504717046353
PCPG	G2E3	cg22926526	-0.105971820827618	184	-1.43773371080901	0.152226768724002	0.0112300268095208	0.318933754709407
PCPG	GADD45	cg01810953	-0.0108555907122222	184	-0.146458555266689	0.883721503250102	0.000117843849711285	0.938401477236708
PCPG	GADD45	cg02639608	-0.0347385042997409	184	-0.468931074755292	0.639680119280236	0.00120676368098312	0.788304136095278
PCPG	GADD45	cg04718306	-0.164431978022074	184	-2.24892000625515	0.0257163868796357	0.027037875396252	0.0880149846420755
PCPG	GADD45	cg07000785	-0.140916053319646	184	-1.92022233982903	0.0563933309589879	0.0198573340831853	0.157432592343004
PCPG	GADD45	cg22224769	-0.165807568408535	184	-2.2682634067725	0.0244877573839645	0.0274921497415511	0.0848817269495225
PCPG	GADD45	cg23369529	-0.0189183653630568	184	-0.255268387184785	0.798804056108064	0.000357904548010107	0.890101665613476
PCPG	GADD45	cg23723105	-0.116724697870018	184	-1.58554053106213	0.114579527464063	0.0136246550928469	0.262257260195931
PCPG	GATAD2A	cg02887458	-0.28373738270422	184	-3.99188494611029	9.49707399416782e-05	0.0805069023438409	0.000922481426273306
PCPG	GATAD2A	cg08505228	-0.18745228836386	184	-2.57450607149376	0.0108334440114141	0.0351383604128478	0.0453886764015481
PCPG	GATAD2A	cg08870822	0.0924698129712918	184	1.25285384624895	0.211866209530567	0.00855066631094568	0.397989034946054
PCPG	GATAD2A	cg09334331	-0.138166484459344	184	-1.88201818475448	0.0614296911618575	0.019089977427854	0.167479547005171
PCPG	GATAD2A	cg11795262	-0.182519975227923	184	-2.50439759256528	0.0131450246391576	0.0333135413572015	0.0527713926503573
PCPG	GATAD2A	cg14948912	-0.0139464764131721	184	-0.18816655370474	0.850955726281948	0.000194504204343165	0.920520750474558
PCPG	GATAD2A	cg15264323	-0.0166732223589228	184	-0.224965339122046	0.822258623941494	0.000277996343830085	0.904546729411957
PCPG	GATAD2A	cg22191731	0.0293102683251191	184	0.395587097214101	0.692872965735212	0.00085909182929048	0.823726381447599
PCPG	GATAD2A	cg26631329	-0.0896108856536169	184	-1.21380023950128	0.226396789535772	0.0080301108276256	0.41591709238429
PCPG	GATAD2E	cg02134200	0.164744313204702	184	2.2533108411785	0.0254328749889082	0.027140688733289	0.0873217073240079
PCPG	GATAD2E	cg02940454	0.0877906171473676	184	1.18895077493809	0.236007981865131	0.00770719245911568	0.427295892234287
PCPG	GATAD2E	cg09805553	-0.0151361974315996	184	-0.204221862666131	0.838408314157652	0.000229104472688362	0.913535954553553
PCPG	GATAD2E	cg10226922	-0.168147913652327	184	-2.30120443903089	0.0225132419322509	0.0282737208656304	0.0795943984219925
PCPG	GATAD2E	cg10489353	0.00540942663000552	184	0.072978222781374	0.941903587270209	2.92618964654129e-05	0.969020824260399
PCPG	GATAD2E	cg15064304	-0.101648776557592	184	-1.37845689418055	0.169754342862916	0.0103324737756552	0.343375265833164
PCPG	GATAD2E	cg20773694	-0.0777749571374789	184	-1.05242940711106	0.293997861455728	0.00604894395773668	0.491774788358492
PCPG	GATAD2E	cg23046518	0.0649826508039183	184	0.878520734959154	0.380819536664662	0.00422274490550398	0.579199496281271
PCPG	GATAD2E	cg23323627	-0.032959607913949	184	-0.444891136792431	0.656927067841884	0.00108633575384125	0.800152015825612
PCPG	GATAD2E	cg26398333	0.202305590903259	184	2.78687745104838	0.0058864334418408	0.0409275521107167	0.0282480539864637
PCPG	GLYR1	cg00636946	-0.137046287720052	184	-1.86646627439044	0.0635847713858231	0.0187816849778472	0.171730096694512
PCPG	GLYR1	cg00885266	-0.128351544787572	184	-1.74599862642332	0.0824985404714484	0.0164741190493562	0.207504007806132
PCPG	GLYR1	cg01261535	0.0247435044159348	184	0.333910356927389	0.738831625847488	0.000612241010781387	0.852934059999398
PCPG	GLYR1	cg01565912	-0.158815345425651	184	-2.17007811913372	0.0312966524856483	0.0252223139426688	0.101884163214821
PCPG	GLYR1	cg02454264	-0.154941881531245	184	-2.11583192185023	0.0357191178724995	0.0240069866524424	0.112534568079444
PCPG	GLYR1	cg06399529	-0.110546280628098	184	-1.50054775153507	0.135205366835928	0.0122204801607062	0.294021133852252
PCPG	GLYR1	cg06976003	-0.165652125992262	184	-2.26607691272092	0.0246240163527915	0.0274406268457562	0.0852149880679319
PCPG	GLYR1	cg11289281	-0.0727125671392874	184	-0.983549677978842	0.326642663149164	0.00528711741998537	0.526115226754716
PCPG	GLYR1	cg15663121	-0.0650147897177369	184	-0.878957074883809	0.38058352873083	0.00422692288204155	0.578957507625125
PCPG	GLYR1	cg18354686	-0.0209968241909899	184	-0.283325105998774	0.777249649367235	0.000440866626107339	0.876817854160016
PCPG	GTF2B	cg02705666	-0.482686864519145	184	-7.4353206335612	3.95600463386336e-12	0.232986609179323	2.02602649431709e-10
PCPG	GTF2B	cg04270788	0.265690958520614	184	3.71799835161514	0.000267200713886814	0.0705916854396028	0.00221605675225062
PCPG	GTF2B	cg05306856	-0.486199308371989	184	-7.5060968026658	2.62121486217627e-12	0.2363897674614	1.39381263833316e-10
PCPG	GTF2B	cg06356032	-0.136270096101559	184	-1.85569453863271	0.0651140697075778	0.018569539091528	0.17482860284501
PCPG	GTF2B	cg07167781	-0.0896423207622813	184	-1.21422948403749	0.22623278443377	0.00803574567164773	0.415731838787359
PCPG	GTF2B	cg10430205	-0.110585870596679	184	-1.50109179514239	0.135064699669393	0.0122292347756254	0.2937947732052

PCPG	GTF2B	cg12074130	-0.512011999976525	184	-8.04143662105616	1.09743094839077e-13	0.262156288119961	7.23504603382301e-12
PCPG	GTF2B	cg13868361	-0.078590779275919	184	-1.06353713967354	0.288947492928367	0.00617651058719622	0.486513457240209
PCPG	GTF2B	cg14010405	-0.0475549760528836	184	-0.64227836128706	0.521500667638704	0.00226147574739034	0.701469327629716
PCPG	GTF2B	cg17811845	-0.0279324339364218	184	-0.376976226794052	0.706630444870644	0.000780220865612569	0.832719572828109
PCPG	GTF2B	cg22607980	-0.210681763286221	184	-2.90751236038641	0.0040963807665288	0.0443868053813914	0.0211434345376421
PCPG	GTF2H1	cg05849260	-0.459631022251914	184	-6.9819748551588	5.26547457415179e-11	0.211260676616339	2.19636637545075e-09
PCPG	GTF2H1	cg07583091	-0.524467505238485	184	-8.31007788454895	2.1514262615207e-14	0.275066164051081	1.55114045031271e-12
PCPG	GTF2H1	cg08690812	-0.553695002993821	184	-8.97031179821465	3.57788126607721e-16	0.306578156340327	3.20296542247653e-14
PCPG	GTF2H1	cg10797557	-0.26635409599843	184	-3.72798576571937	0.000257558496753634	0.0709445044558937	0.00214576849107952
PCPG	GTF2H1	cg11063328	0.0278007068758502	184	0.375197059581318	0.70795079740433	0.000772879302796947	0.83352040948664
PCPG	GTF2H1	cg11176342	-0.135968666852223	184	-1.851512341089	0.0657160166827953	0.0184874783655708	0.175957128324277
PCPG	GTF2H1	cg11347316	0.00167011255032438	184	0.0225310815402101	0.982049001943074	2.78927593075102e-06	0.990657434803282
PCPG	GTF2H1	cg11662851	-0.0215540687303308	184	-0.29084785324875	0.771498855641607	0.000464577878831822	0.873319102144566
PCPG	GTF2H1	cg13777411	0.121417341800007	184	1.65021855996443	0.100622933407153	0.0147421708897798	0.23927435370552
PCPG	GTF2H1	cg14132868	0.245242838565416	184	3.41272568126119	0.000792632977702559	0.0601440498676227	0.00552599118357211
PCPG	GTF2H1	cg17174493	-0.0813699811808644	184	-1.1013933203942	0.272179969465967	0.00662107383737423	0.468552078914988
PCPG	GTF2H1	cg18321761	-0.00850299040201014	184	-0.114715759114365	0.908796881201933	7.23008457766766e-05	0.951546381192522
PCPG	H2AFZ	cg02758870	-0.0198726283373923	184	-0.268149367776214	0.788888022938611	0.000394921357036127	0.883846345649033
PCPG	H2AFZ	cg09308803	-0.0756776392319993	184	-1.02388332392809	0.307249359533253	0.00572710507972863	0.50576941271567
PCPG	H2AFZ	cg16267491	-0.15195518813207	184	-2.07407297755878	0.0394801813457514	0.0230903792002527	0.121328432245657
PCPG	H2AFZ	cg17709884	0.0126496585353771	184	0.170666878644647	0.864675288994913	0.00016001386106164	0.92814732775989
PCPG	H2AFZ	cg20934652	0.00876945774816285	184	0.118311002398315	0.905951715152496	7.69033891968135e-05	0.950217173096579
PCPG	H2AFZ	cg23752380	-0.111376354970309	184	-1.511956114531	0.13227944626979	0.0124046924464722	0.289589059887773
PCPG	H2AFZ	cg24061702	-0.128160936568866	184	-1.74336240168088	0.082959024198506	0.0164252256622088	0.208278394387742
PCPG	H3F3A	cg06319713	0.107600780042531	184	1.46009090677192	0.145989102319601	0.0115779278657611	0.309997713338002
PCPG	H3F3A	cg10632229	-0.0471841006563967	184	-0.637258090764138	0.524757558843746	0.00222633935475298	0.703844647115351
PCPG	H3F3A	cg10983539	0.0951886931536598	184	1.29002335557785	0.1986792443079	0.00906088730430159	0.381357870455446
PCPG	H3F3A	cg11978873	0.250439301915242	184	3.48982353681289	0.000606302244887405	0.0627198439437935	0.00441139888129169
PCPG	H3F3A	cg15538837	0.0735132786152677	184	0.994439064284203	0.321329442595672	0.00540420213276598	0.52078130536016
PCPG	H3F3A	cg15624314	0.326376266268008	184	4.65813641250292	6.14181052635976e-06	0.106521467183046	8.52598158614617e-05
PCPG	H3F3A	cg16724613	-0.161082047530463	184	-2.20186980648828	0.028931550107205	0.0259474260366062	0.0961180820396269
PCPG	H3F3A	cg16727519	-0.0125266444526292	184	-0.169006933393936	0.865978875289674	0.000156916821242586	0.928790490180813
PCPG	H3F3A	cg18947521	0.175413510077349	184	2.40372780083416	0.0172326431785634	0.0307698995176561	0.0649419291495015
PCPG	H3F3A	cg19410789	0.0436827694239877	184	0.589875842994663	0.556005505634543	0.00190818434454927	0.727432978008
PCPG	H3F3A	cg21266749	-0.109720295771284	184	-1.48919874909569	0.138165844121844	0.0120385433041381	0.29849408974464
PCPG	H3F3A	cg21789564	-0.0243508738863466	184	-0.328608690218704	0.74282926490485	0.000592965059028756	0.855467126082632
PCPG	H3F3A	cg22519151	0.0388553959974861	184	0.524584093158404	0.600510702102746	0.00150974179812146	0.760588879363427
PCPG	H3F3A	cg27530209	0.103218827784755	184	1.39997584755904	0.163222870554893	0.010654126409259	0.334133992735839
PCPG	H3F3A	cg27560444	-0.306972689521147	184	-4.35137990913332	2.25127868714e-05	0.0942322321118465	0.000265719881941085
PCPG	HAT1	cg00414306	0.0899785076703386	184	1.21882032527108	0.224489812036653	0.00809613184258119	0.413726621036857
PCPG	HAT1	cg01583365	-0.0707819790869456	184	-0.957302199671075	0.339684649201824	0.0050100885634648	0.538942478381602
PCPG	HAT1	cg04507121	0.0198465123779606	184	0.267796835682517	0.789158958696423	0.000393884053568542	0.883982733334658
PCPG	HAT1	cg04950839	0.0877688404301008	184	1.1886535624274	0.236124671646358	0.00770336935044449	0.427396698528509
PCPG	HAT1	cg05421799	0.0775519348388546	184	1.04939324382001	0.29538864345627	0.00601430259724996	0.49335827450933
PCPG	HAT1	cg09545452	-0.051131863826242	184	-0.69071006644467	0.490627721254261	0.00261446749834535	0.676435851967284
PCPG	HAT1	cg10190161	-0.104652774027971	184	-1.4196385980183	0.157423465874121	0.0109522031117495	0.326080387257005
PCPG	HAT1	cg12941622	-0.0272569845894462	184	-0.367853498380224	0.713409922663742	0.00074294320890931	0.83696292450163
PCPG	HAT1	cg13293756	-0.0121772485810472	184	-0.164292246370089	0.869683401541952	0.000148285383004617	0.930853824375365
PCPG	HAT1	cg14446129	-0.113062211186965	184	-1.53513604878776	0.126486984648743	0.0127830635984858	0.280771799456837
PCPG	HAT1	cg16017358	-0.0942226373215769	184	-1.27681322161511	0.203294847247449	0.00887790538383341	0.387132070566142
PCPG	HDAC1	cg03762702	-0.450145407883251	184	-6.80078137890545	1.44583640720721e-10	0.202630888238379	5.59589042100886e-09
PCPG	HDAC1	cg04967775	-0.188996004486452	184	-2.59648980945519	0.0101876463939194	0.0357194897118428	0.0432466312107695
PCPG	HDAC1	cg06473843	-0.0282290825929448	184	-0.380982974232291	0.703660226768381	0.000796881104039299	0.830715293636109
PCPG	HDAC1	cg10842753	-0.21599311841552	184	-2.98435245690116	0.00323218510053207	0.0466530272028609	0.017501538784074
PCPG	HDAC1	cg14172124	-0.442576502952043	184	-6.65827891942037	3.16671298121066e-10	0.195873960965259	1.14528716717946e-08
PCPG	HDAC1	cg20002354	-0.0865688715561108	184	-1.17227881615433	0.242617314963874	0.0074941695224984	0.435057917101381
PCPG	HDAC1	cg20793809	-0.244067982250998	184	-3.39533850033239	0.000841486539491377	0.0595691799600732	0.00581076948400505

PCPG	HDAC1	cg21930229	0.229594377517035	184	3.18241114256591	0.00171775131377078	0.0527135781874347	0.0105055617691418
PCPG	HDAC1	cg23018091	-0.442005691213688	184	-6.64760465668938	3.35698411067627e-10	0.19536903106529	1.20848321104095e-08
PCPG	HDAC1	cg26115470	-0.261165266134406	184	-3.64998818285304	0.000342511003368534	0.068207296235055	0.00273098518693173
PCPG	HDAC10	cg00711351	-0.0424945531193675	184	-0.573801179465868	0.566810757474722	0.00180578704481474	0.735704948143631
PCPG	HDAC10	cg01120165	-0.151160822060399	184	-2.06297626191819	0.0405348701767696	0.0228495941259756	0.12356464304591
PCPG	HDAC10	cg04321608	-0.0690530762254769	184	-0.933805935810286	0.351641234768764	0.00476832733620153	0.550624548974482
PCPG	HDAC10	cg04586023	-0.183093979117183	184	-2.51254637568586	0.0128554455164438	0.0335234051889634	0.0519101050201244
PCPG	HDAC10	cg07482373	-0.129933264949696	184	-1.7678823742794	0.0787561153929935	0.0168826533404878	0.200646904892174
PCPG	HDAC10	cg07744063	-2.40538776180384e-05	184	-0.0003245045504169	0.999741438243385	5.7858902846357e-10	0.99985346304832
PCPG	HDAC10	cg09151829	-0.0985066019423778	184	-1.33542167542096	0.183406124765684	0.00970355062623407	0.361587877797754
PCPG	HDAC10	cg10508940	-0.0889235432066046	184	-1.20441553114521	0.229992952120282	0.00790739653641688	0.420110162653391
PCPG	HDAC10	cg11645658	-0.201780034709148	184	-2.77932990829735	0.00601916125625747	0.0407151824072249	0.0287413841621221
PCPG	HDAC10	cg12464820	-0.0502227577582818	184	-0.67839815525509	0.498380932440925	0.00252232539684705	0.682684401275468
PCPG	HDAC10	cg26943378	-0.0568672341567183	184	-0.768424435202918	0.443230999032537	0.00323388232063502	0.635401767934566
PCPG	HDAC11	cg01409735	-0.260379918260877	184	-3.63821278510446	0.000357432104864362	0.0677977018335408	0.00282984664826157
PCPG	HDAC11	cg01712016	-0.211262677697994	184	-2.91590325288215	0.00399265600711586	0.0446319189881265	0.0207166465295519
PCPG	HDAC11	cg02762546	0.0464310632038987	184	0.627065580826527	0.531402086833106	0.00215584363024443	0.709134614564911
PCPG	HDAC11	cg02941903	-0.196298846658703	184	-2.70076193603304	0.00757124013279666	0.0385332371995371	0.0344523312406869
PCPG	HDAC11	cg05987698	-0.269927158152901	184	-3.78189767564367	0.00021094114890459	0.072860670708501	0.00181530180107155
PCPG	HDAC11	cg07450135	-0.213034010992388	184	-2.94150890632206	0.00369081463306135	0.0453834898395051	0.0194383070587214
PCPG	HDAC11	cg08051076	-0.219266620032318	184	-3.03184852778919	0.00278533771624173	0.0480778506603969	0.015510562798662
PCPG	HDAC11	cg08448040	-0.202543232585943	184	-2.79029106071973	0.00582728130032637	0.0410237610663633	0.0280264310032513
PCPG	HDAC11	cg10455785	-0.169814935963597	184	-2.32469264097026	0.0211919134661966	0.0288371124763207	0.0761184980750348
PCPG	HDAC11	cg11432034	-0.238318146792969	184	-3.31047173351831	0.00112302207472349	0.0567955390908351	0.00739561324651142
PCPG	HDAC11	cg13397067	-0.212474475580357	184	-2.93341722823985	0.0037838603828755	0.0451454027731475	0.0198584385499168
PCPG	HDAC11	cg13706066	-0.299413061718383	184	-4.2335218366375	3.64531961184291e-05	0.0896481815275762	0.000403793242038598
PCPG	HDAC11	cg16254764	-0.270774133999303	184	-3.79470180507324	0.000201108139805488	0.0733186316430723	0.0017442920564879
PCPG	HDAC11	cg18521047	-0.289042332546784	184	-4.07325581472558	6.91140382541862e-05	0.0835454700040856	0.000702096825796052
PCPG	HDAC11	cg19779799	-0.228750692438651	184	-3.17006983794733	0.00178836417245597	0.0523268792911623	0.0108478754332974
PCPG	HDAC11	cg20894727	-0.2500070008207	184	-3.48339750755018	0.000620103967213342	0.0625035004593615	0.00449961459056009
PCPG	HDAC11	cg20922324	-0.22857912304995	184	-3.16756106889885	0.00180304359318626	0.0522484154942841	0.0109224399072054
PCPG	HDAC11	cg21655280	-0.287774929551715	184	-4.05377872273607	7.46090311239584e-05	0.0828144100784945	0.000749113960668201
PCPG	HDAC11	cg25127083	-0.295820354779583	184	-4.17781894667986	4.56239817124979e-05	0.0875096823019182	0.000489940376304304
PCPG	HDAC11	cg25150878	-0.167899579444759	184	-2.2977071756511	0.0227160339603787	0.0281902687777271	0.0801699380084388
PCPG	HDAC11	cg27025856	-0.202139177778592	184	-2.78448731134329	0.0059281747903175	0.0408602471930051	0.0284098090086835
PCPG	HDAC2	cg00161229	-0.207875692439947	184	-2.86702587090777	0.00463236853687181	0.0432123035073874	0.0233204217923643
PCPG	HDAC2	cg01129566	0.0260712522479935	184	0.351840016971492	0.725365276793236	0.000679710193778505	0.844443109404601
PCPG	HDAC2	cg08198132	-0.354115651256298	184	-5.10829014733619	8.16154342298869e-07	0.125397894464672	1.42832671009349e-05
PCPG	HDAC2	cg10999867	-0.0190273416324101	184	-0.256739351618726	0.797669989322299	0.000362039729596447	0.889388477504299
PCPG	HDAC2	cg13393754	-0.138682890924823	184	-1.88919003238552	0.0604566018844947	0.0192329442352665	0.165540138925148
PCPG	HDAC2	cg15005908	-0.217342186719986	184	-3.00391353235044	0.00304072270517993	0.0472376261282253	0.0166397004872515
PCPG	HDAC2	cg15242771	-0.272623253774595	184	-3.82268891453336	0.000181105787825723	0.074323438498647	0.00159557685822359
PCPG	HDAC2	cg18387216	-0.288863617404787	184	-4.0705079588402	6.98651905539639e-05	0.0834421894601793	0.000708801856280004
PCPG	HDAC2	cg18674783	0.127645002919269	184	1.73622771769009	0.0842158181400075	0.0162932467702603	0.210590978990156
PCPG	HDAC2	cg22867643	-0.430502752277995	184	-6.43459863755351	1.06345083463316e-09	0.185332619718929	3.50106196485198e-08
PCPG	HDAC2	cg24023618	0.224576428922233	184	3.10911952846369	0.00217824355327519	0.0504345724274629	0.012720837698633
PCPG	HDAC3	cg01947930	-0.00458003139986153	184	-0.0617886497108946	0.950798944368076	2.09766876237176e-05	0.974011760313011
PCPG	HDAC3	cg01961137	-0.36027317019095	184	-5.21023445349041	5.07640595831987e-07	0.129796757159437	9.3559328387002e-06
PCPG	HDAC3	cg04284814	-0.131953140832895	184	-1.79584817056437	0.0741774560366794	0.0174116313756658	0.192319980500498
PCPG	HDAC3	cg08520975	-0.161837545751097	184	-2.21247398596108	0.0281779408602222	0.0261913912147383	0.0942544545281642
PCPG	HDAC3	cg10414058	0.0939103057697284	184	1.2725430876963	0.204803533859761	0.00881914552976388	0.388948224326495
PCPG	HDAC3	cg11064797	-0.0529467131582618	184	-0.715293526348167	0.475344286725754	0.00280335443426325	0.663132727952502
PCPG	HDAC3	cg11153694	0.222299415493706	184	3.07594807623914	0.00242209411065226	0.0494170301288435	0.0138716100969648
PCPG	HDAC3	cg12082871	0.31341982221062	184	4.45261085071674	1.47681449030125e-05	0.0982319849545368	0.000183907966157348
PCPG	HDAC3	cg14098966	-0.156383185759658	184	-2.13600493829714	0.0340154022705056	0.0244557007883396	0.108415036227127
PCPG	HDAC3	cg17940889	0.0240437836583264	184	0.32446217528495	0.745960766609939	0.000578103532608401	0.85731744001272
PCPG	HDAC3	cg18671773	-0.184151122977477	184	-2.52756096693807	0.0123367485931987	0.0339116360938657	0.0502473832491781

PCPG	HDAC3	cg19549288	0.200604246362297	184	2.76245339509153	0.00632583168662593	0.0402420636585853	0.0299083353731237
PCPG	HDAC3	cg20642138	-0.0871445289044275	184	-1.18013357633585	0.239487246883322	0.0075941689179746	0.431417453093898
PCPG	HDAC3	cg23421926	-0.069518029863473	184	-0.940123943127692	0.348400058497895	0.00483275647609872	0.547620502130844
PCPG	HDAC3	cg24385322	0.158387999428992	184	2.16408832836613	0.0317605078977021	0.0250867583631183	0.102954888208818
PCPG	HDAC6	cg07153944	-0.120303496690618	184	-1.63485660386151	0.103807524817319	0.0144729313159894	0.244636695383253
PCPG	HDAC6	cg07674520	-0.105226700012067	184	-1.42751096438162	0.155146196689368	0.0110726583954295	0.322971453712944
PCPG	HDAC6	cg10783042	-0.0723769887881791	184	-0.978986503648956	0.328886171217464	0.00523842850604421	0.528590599832477
PCPG	HDAC6	cg12510923	-0.0471916754612866	184	-0.637360622739719	0.524690936513844	0.00222705423284339	0.703820265095919
PCPG	HDAC6	cg13178935	-0.0606780340507187	184	-0.820102562013537	0.413230397568072	0.00368182381626017	0.60879565086756
PCPG	HDAC6	cg17152375	-0.0714628252313242	184	-0.966557453099353	0.335047924945989	0.00510693539004279	0.53462798747253
PCPG	HDAC6	cg24616736	-0.0504359290143957	184	-0.681284954373636	0.496557144376042	0.00254378293554517	0.681242354853093
PCPG	HDAC6	cg26680189	-0.0289592258658398	184	-0.390845239158623	0.696368764988937	0.000838636762748723	0.825925046709454
PCPG	HDAC9	cg00332048	0.133527166042775	184	1.81765679253042	0.070761069127713	0.0178295040714147	0.185821854297911
PCPG	HDAC9	cg02301805	-0.174944214937962	184	-2.39709363788669	0.0175378304999772	0.0306054783402598	0.0658210143725987
PCPG	HDAC9	cg03260621	0.191886455989725	184	2.63770595999661	0.00906929951036581	0.0368204119922968	0.0395657854480371
PCPG	HDAC9	cg07513622	-0.0607225568248259	184	-0.820706542068266	0.412887092500513	0.00368722890734421	0.608485772519463
PCPG	HDAC9	cg08146609	-0.070251744394086	184	-0.950095253011844	0.343323797476442	0.00493530759041199	0.542679850066693
PCPG	HDAC9	cg08285151	-0.0476375453469173	184	-0.643396077932424	0.520776980945475	0.0022693357266796	0.700971078546478
PCPG	HDAC9	cg08725366	0.107021001919425	184	1.45213219410148	0.148186582230016	0.0114534948518376	0.313142472374691
PCPG	HDAC9	cg10068437	-0.289731757990937	184	-4.08386051523699	6.62867481107489e-05	0.0839444915885187	0.000678246913393082
PCPG	HDAC9	cg11321459	0.192073694984567	184	2.64037832267853	0.00900075508712653	0.0368923043050244	0.039350609264242
PCPG	HDAC9	cg11765288	-0.08101553856024	184	-1.09656395202088	0.274280860820521	0.00656351748820574	0.470754209210422
PCPG	HDAC9	cg12081743	-0.111529327240317	184	-1.514058881384	0.131745584197429	0.0124387908346777	0.288740497684706
PCPG	HDAC9	cg16475478	0.100242903141293	184	1.3591969815647	0.17576599311259	0.0100486396301947	0.35155910084334
PCPG	HDAC9	cg18856632	-0.153133319771529	184	-2.09053820149928	0.0379585638546524	0.0234498136242494	0.117811630421258
PCPG	HDAC9	cg19585556	-0.10314079078492	184	-1.39890603242852	0.163543004079022	0.0106380227237387	0.334630837962215
PCPG	HDAC9	cg20648975	-0.144139734021321	184	-1.96507189390721	0.0509277371679752	0.0207762629237373	0.146232325148395
PCPG	HDAC9	cg21433125	-0.127082431911787	184	-1.728449733071	0.0856035876810496	0.016149944500614	0.213109075492322
PCPG	HDAC9	cg23074799	-0.0888475596052474	184	-1.20337818710854	0.230392956074945	0.00789388884780799	0.420633410581888
PCPG	HDAC9	cg23385718	-0.299742561609727	184	-4.23864039553003	3.57053066844627e-05	0.0898456032403609	0.000397069887032128
PCPG	HDAC9	cg24350771	0.208726500320287	184	2.87929360710853	0.0044635588695973	0.0435667519359547	0.022650887064674
PCPG	HDAC9	cg25620356	0.170093575273	184	2.32862064315702	0.0209777208513179	0.0289318243491516	0.075539462301635
PCPG	HDGF	cg00692559	0.058934384469259	184	0.796452661673096	0.426806661489532	0.00347326167277044	0.621267072522952
PCPG	HDGF	cg00746981	0.130692863757308	184	1.77839660402996	0.0770082022255371	0.0170806246370862	0.197612481158686
PCPG	HDGF	cg01910231	-0.160976508281989	184	-2.20038877351833	0.0290381830164947	0.0259134362186611	0.0964101014957409
PCPG	HDGF	cg02914429	-0.15651856789997	184	-2.13790051219051	0.0338589715971505	0.0244980620974575	0.108053691448034
PCPG	HDGF	cg04402095	-0.109108999286947	184	-1.48080156936894	0.140388552262137	0.0119047737253991	0.301933948606625
PCPG	HDGF	cg05762852	-0.0112122741265823	184	-0.151271356573785	0.879929202868568	0.000125715091089627	0.936304368868245
PCPG	HDGF	cg05967123	0.00396390021313015	184	0.0534763576275944	0.957411020364439	1.57125048996533e-05	0.977579872661817
PCPG	HDGF	cg06106793	-0.0703670076117702	184	-0.951661840892366	0.342530620274078	0.00495151576023493	0.541734434260412
PCPG	HDGF	cg06119628	-0.352427364052741	184	-5.08047240203662	9.28022911984543e-07	0.124205046933163	1.60432476477612e-05
PCPG	HDGF	cg07313589	0.0768358700541444	184	1.03964600681487	0.299883567936172	0.00590375092697736	0.498167091454238
PCPG	HDGF	cg07892339	0.0696912878527402	184	0.942478410877894	0.347197113910866	0.00485687560257349	0.546492640813813
PCPG	HDGF	cg08597205	0.132560223906908	184	1.80425785278165	0.0728442867156977	0.0175722129622495	0.189822379071162
PCPG	HDGF	cg08708935	-0.0852914154484564	184	-1.15485232862688	0.249664923171248	0.00727462554920119	0.443302970195697
PCPG	HDGF	cg09063372	0.0459057874278448	184	0.619956505310223	0.536061844114558	0.00210734131937048	0.712308474257103
PCPG	HDGF	cg09477492	-0.182557409339043	184	-2.50492894095813	0.0131259666258161	0.033327207704583	0.0527139253362621
PCPG	HDGF	cg11588596	-0.0727079251824355	184	-0.983486554640577	0.326673629525789	0.00528644238433464	0.526154209841185
PCPG	HDGF	cg12220178	-0.0852666740298717	184	-1.15451487412824	0.249802805282846	0.00727040570011639	0.443420539172461
PCPG	HDGF	cg12421458	-0.0152724788926838	184	-0.206061037808182	0.836973554431904	0.000233248611527472	0.912746445690082
PCPG	HDGF	cg13170934	0.0530978978063775	184	0.717341750148488	0.474082907488649	0.00281938675145651	0.662014103485406
PCPG	HDGF	cg13235992	-0.00512332543161279	184	-0.0691183459800635	0.944971298976803	2.62484634782104e-05	0.970546805457876
PCPG	HDGF	cg14155849	0.100345687234844	184	1.36060480309131	0.175321213029973	0.0100692569466331	0.350976285292169
PCPG	HDGF	cg15503799	-0.0615692859186814	184	-0.832193906699241	0.406390113169284	0.00379077696853634	0.60270160068423
PCPG	HDGF	cg17170583	-0.0442961786279658	184	-0.598175264309846	0.550466648798182	0.00196215144104065	0.723056183648894
PCPG	HDGF	cg17218029	-0.286711174042539	184	-4.03744915872802	7.95346719861358e-05	0.0822032973208513	0.000790610819382756
PCPG	HDGF	cg17971171	0.0316024174627873	184	0.426552975518706	0.670209060585587	0.000998712789492286	0.808934318948616

PCPG	HDGF	cg18593717	-0.160508606188716	184	-2.19382363290336	0.029514983538437	0.0257630126606444	0.0975274446497543
PCPG	HDGF	cg19599803	0.215913525308327	184	2.98319894276876	0.00324381427442046	0.0466186504110695	0.017540852903011
PCPG	HDGF	cg20284773	0.11782260573577	184	1.60066301705778	0.11118593859854	0.0138821664223666	0.25687045726056
PCPG	HDGF	cg23747104	0.0426423233607753	184	0.575800139945966	0.565461563698914	0.00181836774160493	0.734804751954459
PCPG	HDGF	cg26431298	0.0595058624835259	184	0.804203057365012	0.422328908515009	0.0035409476699083	0.61740714713281
PCPG	HDGFL1	cg02685945	-0.0644111117701934	184	-0.870761586494498	0.385031432520335	0.00414879131947235	0.583142903951854
PCPG	HDGFL1	cg03930485	-0.0864292705954867	184	-1.17037416005028	0.243380657333058	0.00747001881566785	0.436005868890453
PCPG	HDGFL1	cg05276066	-0.0179646991450342	184	-0.242396159030974	0.808746144517835	0.000322730415371594	0.896616753122709
PCPG	HDGFL1	cg06566039	-0.020697044782344	184	-0.27927822780111	0.78034842583978	0.000428367662722351	0.878669910402233
PCPG	HDGFL1	cg08671671	-0.047703123821355	184	-0.644283804186251	0.520202577708783	0.00227558802231552	0.70058582041197
PCPG	HDGFL1	cg09081892	-0.0170406589495366	184	-0.22992444341297	0.818408693128435	0.000290384057434423	0.902329499224449
PCPG	HDGFL1	cg11894257	0.00984671660029392	184	0.132845909895629	0.894462008802848	9.69578278065039e-05	0.944028921939992
PCPG	HDGFL1	cg15317945	0.0376502796493052	184	0.508290431606757	0.611865209739484	0.00141754355767089	0.76871242593746
PCPG	HDGFL1	cg20209681	-0.0812656718798398	184	-1.09997203677126	0.272797105524448	0.00660410942608179	0.469146967649161
PCPG	HDGFL1	cg21898884	0.0596674619696772	183	0.804176394399333	0.422350054818595	0.00356020601790288	0.61741393875071
PCPG	HIST1H1	cg00667898	-0.0461512265123503	184	-0.623278210181961	0.533882000327503	0.00212993570859427	0.710865975403849
PCPG	HIST1H1	cg00700007	-0.0347001317005993	184	-0.468412462646503	0.640050165445679	0.00120409914003894	0.788500861375315
PCPG	HIST1H1	cg03821311	0.0128486874125818	184	0.173352579787701	0.862566944977182	0.000165088768226237	0.926907380688385
PCPG	HIST1H1	cg04676561	-0.0243448705437393	184	-0.328527628627508	0.742890442759163	0.000592672721791423	0.855481459341793
PCPG	HIST1H1	cg07138603	-0.0338133961026399	184	-0.456428655450755	0.64862597953221	0.00114334575599403	0.794358009063455
PCPG	HIST1H1	cg11206041	-0.0490076764100844	184	-0.661945092993357	0.508843665964267	0.00240175234711554	0.691352007538544
PCPG	HIST1H1	cg14334286	-0.0345112524347604	184	-0.465859757899231	0.64187291562268	0.00119102654461575	0.789630463145797
PCPG	HIST1H1	cg18798248	-0.0385607203020589	184	-0.520599749300795	0.603278380004733	0.00148692915021362	0.762352481235818
PCPG	HIST1H1	cg23460835	-0.0316439615239336	184	-0.4271142773092	0.669800946989858	0.00100134030092819	0.808680120280117
PCPG	HIST1H1	cg00903962	-0.0707485605783682	184	-0.956847951493501	0.339913282842236	0.00500535882391103	0.53920625446693
PCPG	HIST1H1	cg04290376	0.0433598761361781	184	0.585507368682448	0.558931906568901	0.00188007885854471	0.729837835735621
PCPG	HIST1H1	cg07750111	0.0499793061554546	184	0.675101408527733	0.500468097681483	0.00249793104378067	0.684339014115048
PCPG	HIST1H1	cg08283682	-0.0172778274588445	184	-0.233125435197013	0.815925984576315	0.000298523321697602	0.900917550835709
PCPG	HIST1H1	cg10717387	-0.0034618581621116	184	-0.0467032998039782	0.962800907196804	1.19844619345787e-05	0.980449205554033
PCPG	HIST1H1	cg12633985	-0.0292891472065129	184	-0.395301790432588	0.693083114576705	0.000857854144084783	0.8238263326131
PCPG	HIST1H1	cg15022984	-0.0260371924137955	184	-0.351380056418943	0.725709690096979	0.000677935388793008	0.844629189141461
PCPG	HIST1H1	cg16481032	-0.0207613122211869	184	-0.280145797065272	0.779683809298633	0.000431032085145603	0.878264780350669
PCPG	HIST1H1	cg16482183	-0.0499836289454328	184	-0.67515994536627	0.500430997389019	0.0024983631625547	0.684300311312534
PCPG	HIST1H1	cg17691542	-0.0429511980375257	184	-0.579978561503955	0.562646383032109	0.00184480541285875	0.7327939046994
PCPG	HIST1H1	cg20855557	-0.0441220574298992	184	-0.595819337491335	0.552036156921283	0.00194675595184732	0.72433505020382
PCPG	HIST1H1	cg23407813	-0.108712061388131	184	-1.47534987449277	0.141846379546612	0.0118183122912567	0.304078492066181
PCPG	HIST1H3	cg00958605	-0.00240018286616739	184	-0.0323803304209279	0.974204231020572	5.7608777910435e-06	0.986530472364874
PCPG	HIST1H3	cg01043409	-0.0606689400070665	184	-0.819979196069156	0.413300540301433	0.00368072028158104	0.608875927587958
PCPG	HIST1H3	cg08041469	0.0349524408747388	184	0.471822501547317	0.637618653255581	0.00122167312310211	0.786859254070434
PCPG	HIST1H3	cg08401836	-0.0215875307630492	184	-0.291299596007324	0.771153918184688	0.000466021484445594	0.873182753715354
PCPG	HIST1H3	cg10075390	-0.0366907801488728	184	-0.49531920092194	0.620972319012525	0.00134621334793291	0.775358252845088
PCPG	HIST1H3	cg15479139	-0.0478991167760787	184	-0.646936982075682	0.518487804052976	0.00229432538792842	0.699326142553948
PCPG	HIST1H3	cg15797414	-0.135663374836913	184	-1.84727708335723	0.0663303067013893	0.0184045512721408	0.177164728405132
PCPG	HIST1H3	cg21209604	-0.0128515234226215	184	-0.173390849133333	0.862536909657131	0.000165161654282189	0.926887908359466
PCPG	HIST1H3	cg23099349	-0.0479555155559904	184	-0.64770047234078	0.517994899477549	0.00229973147224084	0.698883005427712
PCPG	HIST1H3	cg25701114	0.0350955064119012	184	0.473756117966371	0.63624163986381	0.0012316945703078	0.785945234259164
PCPG	HLTF	cg00906762	0.0396401928186685	184	0.535196092407313	0.593167590582922	0.00157134488670122	0.755264236245064
PCPG	HLTF	cg02059813	-0.0496863788021345	184	-0.671134836256828	0.502985509469445	0.0024687362384692	0.686526330333111
PCPG	HLTF	cg02398045	-0.189071255121535	184	-2.59756194671547	0.0101570536842092	0.0357479395132327	0.0431713015631813
PCPG	HLTF	cg02611507	-0.0330205380764386	184	-0.445714473370134	0.656333256123548	0.00109035593485753	0.799713851919225
PCPG	HLTF	cg02710346	0.178077633884787	184	2.44142122462038	0.0155862065223351	0.0317116436900043	0.0601504787279757
PCPG	HLTF	cg03678609	0.0096971292829573	184	0.130827577558627	0.896056203407867	9.4034316330388e-05	0.944882970801523
PCPG	HLTF	cg04120413	-0.097107713399157	184	-1.31627555584874	0.189736888669438	0.00942990800161281	0.369730762916444
PCPG	HLTF	cg04731810	0.0153203176811088	184	0.206706644923633	0.83647003893366	0.000234712133850094	0.912463720238451
PCPG	HLTF	cg04836786	-0.161364904128786	184	-2.20583951759344	0.0286474095829666	0.0260386322844923	0.0953695900846159
PCPG	HLTF	cg05555455	0.165331407170376	184	2.26156614571764	0.0249072143948786	0.0273344741969366	0.0859565183495337
PCPG	HLTF	cg07275648	-0.135270904376022	184	-1.84183320308147	0.0671268954307457	0.0182982175707068	0.178801263546512

PCPG	HLTF	cg09352720	-0.0569593278721464	184	-0.769672908370117	0.442491738097167	0.00324436503164667	0.634856742162425
PCPG	HLTF	cg09392355	0.000910673150997135	184	0.0122856575803901	0.990211166812317	8.2932558794705e-07	0.994699165980107
PCPG	HLTF	cg15438497	0.330702759887247	184	4.72741215429572	4.54054985063857e-06	0.109364315397042	6.53882886117322e-05
PCPG	HLTF	cg16724124	0.165236989973051	184	2.26023835062011	0.0249911168620512	0.027303262855354	0.0861696190571053
PCPG	HLTF	cg20117402	-0.129271428581285	184	-1.75872393643203	0.0803050374118534	0.0167111022474462	0.20357146986927
PCPG	HLTF	cg21089667	-0.0819559158408532	184	-1.10937774844112	0.268730962718057	0.00671677214131301	0.464549498104274
PCPG	HLTF	cg21111416	0.0388465856924358	184	0.524464966031283	0.600593368388987	0.00150905721995975	0.760630736334856
PCPG	HLTF	cg21835021	-0.24166149870926	184	-3.35977348338012	0.000950310914346905	0.0584002799584057	0.00643191989478886
PCPG	HLTF	cg21926402	-0.185495565740817	184	-2.54666918225693	0.0117037043068692	0.0344086049095058	0.0481989398014071
PCPG	HLTF	cg24041269	-0.0260716885975187	184	-0.351845909655479	0.725360864780728	0.000679732946325989	0.844443109404601
PCPG	HLTF	cg24710191	0.446598444238827	184	6.71525190250487	2.34516652841648e-10	0.19945017039654	8.71250644277133e-09
PCPG	HLTF	cg25951608	-0.0368032561453258	184	-0.496839663755063	0.619901729090742	0.00135447966289846	0.774580945933683
PCPG	HLTF	cg26151310	-0.367879508502029	184	-5.33724863949478	2.78471132696638e-07	0.135335332775694	5.4471670347001e-06
PCPG	HLTF	cg27554556	0.0291047822123459	184	0.392811386884187	0.694918484337335	0.000847088347628084	0.825061254376915
PCPG	IDH1	cg00707300	-0.109908309780224	184	-1.49178177945971	0.137487651263771	0.0120798365587457	0.297508117782921
PCPG	IDH1	cg01046174	-0.0305004948058063	184	-0.41166569774801	0.681068862999743	0.000930280183399016	0.816028079229332
PCPG	IDH1	cg02241586	-0.104752977964001	184	-1.42101296104924	0.157024068984842	0.0109731863923265	0.32568604071444
PCPG	IDH1	cg03448938	-0.0796510077779295	184	-1.07797577512147	0.282471237156882	0.00634428304003978	0.479661548471604
PCPG	IDH1	cg05268564	-0.0388776899165668	184	-0.52488553735808	0.600301543088206	0.00151147477324872	0.760423008858123
PCPG	IDH1	cg07129696	-0.0603970871147741	184	-0.816291449372872	0.41540057986846	0.00364780813194961	0.611027941675816
PCPG	IDH1	cg07915542	0.00650094704987641	184	0.0877044238778185	0.930208027561211	4.22623125452968e-05	0.963030713708295
PCPG	IDH1	cg09406631	-0.132906395803031	184	-1.80905416008323	0.0720928328587294	0.017664110045352	0.188340044308281
PCPG	IDH1	cg09615745	-0.0692075274049412	184	-0.935904622588344	0.350562466161518	0.00478968184950569	0.549576939978823
PCPG	IDH1	cg10356455	0.0163141017247651	184	0.220118559165886	0.826025528233244	0.000266149915085984	0.90642127603714
PCPG	IDH1	cg14772913	-0.0656668135710104	184	-0.887809992737312	0.375814736613531	0.00431213040456983	0.574349873683535
PCPG	IDH1	cg15399923	-0.0906883070831092	184	-1.22851445911655	0.22084011841039	0.00822436904160031	0.409077700112338
PCPG	IDH1	cg16085695	-0.0353104973275585	184	-0.476661903829605	0.634174684242823	0.00124683122151951	0.784539555148944
PCPG	IDH1	cg16863783	-0.0352787330418096	184	-0.476232578213785	0.634479893355892	0.00124458900503527	0.784719009082621
PCPG	IDH1	cg24324379	-0.00214153302423461	184	-0.0288909262622783	0.976983238003943	4.58616369388745e-06	0.987942884107561
PCPG	IDH1	cg24830471	-0.0441641899253066	184	-0.596389401370758	0.551656179743257	0.00195047567175855	0.724015867612611
PCPG	IDH1	cg24987806	-0.0755147819300703	184	-1.02166728972035	0.308294500071179	0.00570248228994607	0.506846347947703
PCPG	IDH1	cg25795625	0.0141019203654824	184	0.19026422609652	0.849314136132643	0.000198864157994407	0.919654566299927
PCPG	IDH1	cg26105702	-0.0628727500923234	184	-0.849881217578397	0.396507739552812	0.00395298270417175	0.593122237043372
PCPG	ING2	cg02075087	-0.160233011655296	184	-2.18995747300656	0.029798932246603	0.0256746180241264	0.0981862827273287
PCPG	ING2	cg02552216	-0.120916377916875	184	-1.64330857489358	0.10204555033646	0.0146207704485366	0.24170307028098
PCPG	ING2	cg10348863	-0.165919760454701	184	-2.26984163771242	0.0243898142341399	0.0275293669093452	0.0846289566695219
PCPG	ING2	cg17985608	0.115605082511462	184	1.57012511664195	0.118122914686706	0.013364535102482	0.267830196011006
PCPG	ING3	cg01382559	-0.159438314970377	184	-2.17881206213227	0.0306307945626994	0.0254205762805932	0.100226794204443
PCPG	ING3	cg01416111	-0.10771255397914	184	-1.46162541958056	0.145568314451086	0.0116019942847092	0.309501255962388
PCPG	ING3	cg10268125	-0.078424479288926	184	-1.06127272759653	0.289972243864919	0.00615039895173917	0.487468682237606
PCPG	ING3	cg14303833	-0.125715599146387	184	-1.70955924751788	0.089051769825576	0.0158044118687351	0.219187696629374
PCPG	ING3	cg16130600	0.0313052055195223	184	0.422537409467304	0.673131571549836	0.000980015892619531	0.81088437912698
PCPG	ING3	cg18485114	-0.00419212628236818	184	-0.0565553724594139	0.954961425516551	1.75739227673221e-05	0.976013835942963
PCPG	ING3	cg19478983	-0.0239501854069047	184	-0.323198374344788	0.746916050068989	0.000573611381025113	0.857824306115905
PCPG	ING3	cg19960827	-0.0114648470605098	184	-0.154679408970981	0.87724546306945	0.00013144271812088	0.934951749545718
PCPG	ING3	cg20553930	-0.0247970434357237	184	-0.334633303054197	0.738287047864238	0.000614893363153168	0.85263435224463
PCPG	ING3	cg24859794	-0.0650362653702156	184	-0.879248644593923	0.380425874744066	0.0042297158133051	0.578781814089528
PCPG	ING4	cg00369908	0.0263796468777675	184	0.356004783927408	0.722249302993237	0.000695885769395709	0.842616684544072
PCPG	ING4	cg00443163	-0.108835184829025	184	-1.47704082175529	0.141392957575971	0.011845097456768	0.303435137701106
PCPG	ING4	cg00591160	-0.113913222945259	184	-1.5468422508214	0.123638362564684	0.0129762223617762	0.276402355179266
PCPG	ING4	cg03930474	0.0303817154912924	184	0.41006104725165	0.682243444754336	0.000923048636193838	0.816810189913185
PCPG	ING4	cg04375284	-0.0673218934322574	184	-0.91028715788351	0.363875071498984	0.00453223733530422	0.562803755890954
PCPG	ING4	cg08733494	-0.172528415815911	184	-2.36296939065389	0.0191843150067067	0.029766054263948	0.0704505571011961
PCPG	ING4	cg12392916	-0.184052443345851	184	-2.52615903901621	0.0123843761836893	0.0338753019015778	0.0503838142849178
PCPG	ING4	cg18123790	-0.0578570170836953	184	-0.781843515554662	0.435322482533997	0.003347434425823	0.628661196758191
PCPG	ING4	cg23354319	-0.117136227858961	184	-1.59120821513089	0.11329815600802	0.0137208958770265	0.260396973188605
PCPG	ING4	cg27116036	-0.159133127874949	184	-2.17453305017271	0.0309554692449118	0.0253233523872649	0.101003169091966

PCPG	INO80	cg00734724	-0.125838034967699	184	-1.71125098224177	0.0887384386535504	0.0158352110445317	0.21868780994755
PCPG	INO80	cg06380007	-0.136288447652747	184	-1.85594917523675	0.0650775682364999	0.0185745409635955	0.174772822293999
PCPG	INO80	cg12580230	-0.0218632230926488	184	-0.29502152367877	0.768313706012692	0.000478000523998933	0.871648987941577
PCPG	INO80	cg18952654	-0.0846307422198361	184	-1.14584197494452	0.253364922747355	0.00716236252868034	0.447406213208856
PCPG	INO80	cg21007089	-0.0181635693837375	184	-0.245080378980142	0.806670311763968	0.000329915252757848	0.895208419876835
PCPG	INO80	cg21598047	-0.0250280723445731	184	-0.337752957255616	0.73593860840873	0.000626404405285185	0.851059269262368
PCPG	INO80	cg22835709	-0.168195365326201	184	-2.30187274702908	0.0224746705582946	0.0282896809172141	0.0794797036736054
PCPG	INO80	cg26409855	-0.0446321928396986	184	-0.602721820503666	0.547444028424602	0.00199203263768004	0.720769730989297
PCPG	INO80	cg27441689	-0.245504124423304	184	-3.41659472900132	0.000782129129029281	0.0602722751088529	0.00546478834773702
PCPG	INTS12	cg00093890	-0.0297212768873463	184	-0.401139159676249	0.688788235777333	0.000883354299814303	0.821151757574765
PCPG	INTS12	cg01852585	0.0771215126416166	184	1.04353404391499	0.298085121222414	0.00594772771213103	0.496289499885866
PCPG	INTS12	cg03607115	0.0585268725984487	184	0.7909264583337	0.43001637038037	0.00342539481615505	0.62404756029867
PCPG	INTS12	cg19703969	-0.0535860559439031	184	-0.723955571700759	0.470022539472513	0.00287146539162311	0.658653700360265
PCPG	INTS12	cg26533745	-0.0549454865899418	184	-0.7423766068373	0.458816228492697	0.00301900649660547	0.648777622498198
PCPG	IWS1	cg02372421	-0.23452534834829	184	-3.25469330798303	0.0013534997792586	0.0550021390178869	0.00863420761194287
PCPG	IWS1	cg02592214	-0.166904359551046	184	-2.28369611204647	0.0235446131931939	0.0278570652371448	0.0823982022921106
PCPG	IWS1	cg10180764	-0.185829440041704	184	-2.55141674175058	0.0115509966404208	0.0345325807862133	0.0477241612748894
PCPG	IWS1	cg10488833	-0.0478445246908073	184	-0.646197955583072	0.518965147651155	0.00228909854288927	0.699718789149953
PCPG	IWS1	cg15239145	0.0562344547011791	184	0.759846658543359	0.448329378422221	0.00316231389553897	0.639728088647596
PCPG	IWS1	cg17144508	-0.0863993594348441	184	-1.1699660739419	0.243544429973387	0.00746484931075137	0.436208854476899
PCPG	IWS1	cg18451256	-0.170109036845687	184	-2.32883862310401	0.0209658903829256	0.0289370844165672	0.075510611550806
PCPG	IWS1	cg18530950	-0.0511568902243151	184	-0.69104902006873	0.490415199603629	0.00261702741742263	0.67624742352192
PCPG	IWS1	cg19311602	-0.0552880823627977	184	-0.747019617716975	0.456015693655209	0.00305677205135551	0.646238908319761
PCPG	IWS1	cg19409088	-0.0402503381444491	184	-0.543447143745945	0.587486987603969	0.0016200897207425	0.751335875445259
PCPG	IWS1	cg21581038	-0.0408796206234649	184	-0.551957626527169	0.581654505379876	0.00167114338231842	0.747044469986002
PCPG	IWS1	cg21679674	-0.00652576739320411	184	-0.0880392899251282	0.929942243612932	4.2585640070206e-05	0.962839742595087
PCPG	IWS1	cg22409775	-0.0811366070820455	184	-1.09821349339018	0.273562018192909	0.00658314900878624	0.469935159724841
PCPG	IWS1	cg23570261	-0.00228163132620501	184	-0.0307809695584096	0.975477945733731	5.20584150872001e-06	0.98709751922787
PCPG	IWS1	cg23623107	-0.0314921770031881	184	-0.425063527440951	0.671292490131765	0.000991757212400129	0.809606533045047
PCPG	JADE1	cg09863040	-0.00546649385141902	184	-0.0737481358401112	0.941291786447309	2.98825550276019e-05	0.968711678945946
PCPG	JADE1	cg12832492	0.0107399660346484	184	0.144898420242117	0.884951410190319	0.000115346870425402	0.938995379002889
PCPG	JADE1	cg14617908	0.129159362165049	184	1.75717340748141	0.0805697244731385	0.0166821408348824	0.204037929153401
PCPG	JADE1	cg15389440	0.0417383232662791	184	0.563571875293038	0.573739250112859	0.00174208762908041	0.741053862724663
PCPG	JADE1	cg15836763	0.0168910739880284	184	0.227905560336081	0.819975497454168	0.000285308380469051	0.903142806140459
PCPG	JADE1	cg20039387	0.0950867233753407	184	1.28862881763611	0.19916281591579	0.00904148496225856	0.381895652736277
PCPG	JADE1	cg22922695	-0.0895819749312226	184	-1.21340546853736	0.226547243721926	0.00802493032357819	0.416103944612091
PCPG	JADE1	cg26766900	-0.0605526309081373	184	-0.81840141415777	0.41419825361505	0.00366662110989711	0.609782728544135
PCPG	JADE2	cg04590931	-0.198056914863764	184	-2.72593317559447	0.00703851755843258	0.0392265415253524	0.0325344617064126
PCPG	JADE2	cg04842522	-0.149204032582325	184	-2.03565873481741	0.0432343627280188	0.0222618433388276	0.129659753818947
PCPG	JADE2	cg17378563	-0.143404857003559	184	-1.95484233000747	0.0521333148773089	0.0205649530122111	0.14874964597709
PCPG	JADE2	cg18145011	-0.281276299335357	184	-3.95427122072659	0.000109822774841393	0.0791163565677931	0.00104457182369621
PCPG	JADE2	cg21194015	-0.191192003481286	184	-2.62779701694255	0.00932757777509627	0.036554382195188	0.0403843196504415
PCPG	JADE2	cg25669900	-0.0992691316731161	184	-1.34586152365718	0.180021294983001	0.00985436050313447	0.357095635216165
PCPG	JADE2	cg26133206	-0.20646272973509	184	-2.84666747549562	0.00492541501722207	0.0426268587696649	0.0244835613961517
PCPG	JADE3	cg10860619	0.0289195022776971	184	0.390308664735974	0.69676475070541	0.000836337611989728	0.826191873999401
PCPG	JADE3	cg17843048	0.0483990133015939	184	0.653704475427938	0.514127285594636	0.00234246448856786	0.695691813597765
PCPG	JADE3	cg19194595	-0.0214778735223209	184	-0.289819209479929	0.772284467559211	0.000461299051040812	0.873748133928059
PCPG	JARID2	cg01769037	-0.0745772534524996	184	-1.00891173237004	0.314356417412203	0.00556176673251836	0.513394699923688
PCPG	JARID2	cg03223185	0.175840329316689	184	2.40976297361302	0.0169591004530528	0.0309198214142015	0.0641067182043145
PCPG	JARID2	cg05197191	-0.144955023579119	184	-1.97642469450744	0.0496174286915422	0.0210119588608231	0.143470794217582
PCPG	JARID2	cg06047828	0.0667337847847777	184	0.902299368127612	0.368090441787375	0.00445339803170103	0.566955626515277
PCPG	JARID2	cg14862454	0.150473827174787	184	2.05338274264471	0.041466008360099	0.0226423726646275	0.125663640129271
PCPG	JARID2	cg15109221	0.046885411546375	184	0.633215145626115	0.527388025448133	0.00219824181587295	0.706006996411403
PCPG	JARID2	cg21397480	-0.020967276432857	184	-0.282926221565997	0.77755492507738	0.00043962668101184	0.877015468269405
PCPG	JARID2	cg21901688	-0.0590884254688004	184	-0.798541690956639	0.425596996180734	0.00349144202438198	0.62024902062353
PCPG	JARID2	cg25338254	-0.0748256317986476	184	-1.01229078419802	0.312742923046249	0.00559887517406678	0.511739961670386
PCPG	JMJD6	cg02318866	0.0234243287938729	184	0.316098205665291	0.752290186386496	0.000548699179443461	0.861275390136145

PCPG	JMJD6	cg04510639	-0.095835848599675	184	-1.29887480596721	0.195630071694966	0.00918450987681983	0.37744217150959
PCPG	JMJD6	cg07312083	0.00294525466024497	184	0.0397338300146759	0.968348882768955	8.67452501369468e-06	0.983379398362326
PCPG	JMJD6	cg08857478	-0.0161487957550759	184	-0.21788757810045	0.827760804266854	0.000260783604339157	0.907416670290082
PCPG	JMJD6	cg10712116	0.0980427861480494	184	1.32907270377102	0.185487720465774	0.00961238791567216	0.364224133623969
PCPG	JMJD6	cg12504415	-0.0938829100317661	184	-1.27216855680008	0.204936250406246	0.00881400079603268	0.389121651474525
PCPG	JMJD6	cg15457598	0.00956449729463084	184	0.129038025235111	0.897470048675462	9.14796084990006e-05	0.945758513270555
PCPG	JMJD6	cg21102709	0.00312205282105589	184	0.0421190005393655	0.966450004499874	9.74721381746304e-06	0.982360933050189
PCPG	JMJD6	cg21807925	-0.065505312562772	184	-0.885617090983968	0.376992505110879	0.00429094597394645	0.575557280574305
PCPG	JMJD6	cg23630158	-0.0881882849294245	184	-1.1943785181225	0.233884204578533	0.00777717359879336	0.424824016693885
PCPG	JMJD6	cg25004679	-0.0524323103127609	184	-0.708324852988559	0.479649749838297	0.00274914716473365	0.666950375157212
PCPG	JMJD6	cg25908504	-0.0314113925040541	184	-0.423972065828733	0.672086860684429	0.000986675579043746	0.810169800342581
PCPG	JMJD6	cg26612088	0.0149260566185891	184	0.201385947047145	0.840621701754241	0.000222787166181327	0.91461992540237
PCPG	JMJD8	cg00873473	-0.0938202284939397	184	-1.27131163985312	0.205240139538042	0.00880223527465506	0.38951114672056
PCPG	JMJD8	cg02851105	-0.100093227495772	184	-1.35714697061699	0.176415179922429	0.0100186541905203	0.352368350284622
PCPG	JMJD8	cg03899598	-0.0787819689989291	184	-1.06614057149859	0.287772363798238	0.00620659863934823	0.485259572080199
PCPG	JMJD8	cg05787952	0.00526569740119501	184	0.0710391266048886	0.943444615714701	2.77275691209519e-05	0.969811049761618
PCPG	JMJD8	cg06191810	-0.0872871747813925	184	-1.18208014227875	0.238716012621212	0.00761905088131736	0.430483224112442
PCPG	JMJD8	cg06646636	-0.0909261453681105	184	-1.23176317318667	0.219626675351146	0.00826756391150277	0.407635577188219
PCPG	JMJD8	cg08398290	-0.0807699000046817	184	-1.09321731172884	0.275743265540844	0.00652377674676628	0.472175356343313
PCPG	JMJD8	cg26750188	0.0288963491726614	184	0.389995920328235	0.696995590903554	0.000834998995508371	0.826215962923051
PCPG	JMJD8	cg27579097	-0.0850061324063635	184	-1.15096141116885	0.251257988193861	0.00722604254668821	0.444899729092412
PCPG	KAT2B	cg00770008	-0.246703166612079	184	-3.43435998840454	0.000735550278488253	0.0608624524164274	0.00519486140396869
PCPG	KAT2B	cg04371528	-0.280861129104448	184	-3.94793438860819	0.000112532946867698	0.0788829738418256	0.00106695771707809
PCPG	KAT2B	cg05072819	-0.182713584364863	184	-2.50714584684733	0.0130467178239774	0.033384253911456	0.0524687947890043
PCPG	KAT2B	cg12062464	-0.167642271714343	184	-2.29408401393409	0.0229278124102519	0.0281039312655456	0.0807262384540907
PCPG	KAT2B	cg14937543	-0.115738533295907	184	-1.57196221298214	0.11769614451587	0.0133954080894878	0.267213012300236
PCPG	KAT2B	cg18053505	-0.339999892330233	184	-4.87741925649559	2.33544903331215e-06	0.11559992678457	3.62190171738435e-05
PCPG	KAT5	cg00582417	-0.335706452517807	184	-4.80794901679285	3.18329700161849e-06	0.112698822262091	4.7641671208909e-05
PCPG	KAT5	cg02561205	-0.0858916856920351	184	-1.16304022810593	0.246335814098042	0.00737738167101934	0.439458076041532
PCPG	KAT5	cg05785768	-0.50024059360187	184	-7.79387937964548	4.82184337343525e-13	0.250240651487151	2.8568962939301e-11
PCPG	KAT5	cg07564927	-0.484188314740579	184	-7.4655172940626	3.31966673560134e-12	0.234438324131322	1.7285820216156e-10
PCPG	KAT5	cg14726348	-0.472977370881797	184	-7.24208116461999	1.20485044983599e-11	0.223707593366257	5.64299433440946e-10
PCPG	KAT5	cg18896539	0.0666434928065809	184	0.901073091278017	0.368740284635923	0.00444135513346081	0.567505981969911
PCPG	KAT5	cg20108992	-0.181569655301936	184	-2.49091229882275	0.0136370361187077	0.0329675397264639	0.0542677163956595
PCPG	KAT5	cg20423942	-0.230298684280492	184	-3.19271943947252	0.00166076159299608	0.0530374839813259	0.0102180708134718
PCPG	KAT5	cg22048492	0.0435721198353991	184	0.588378826437106	0.557007493904144	0.00189852962695038	0.728339680989326
PCPG	KAT6A	cg10163397	-0.212021054448845	184	-2.92686233065359	0.00386080520378854	0.0449529275296	0.0201859990606577
PCPG	KAT6A	cg12468056	0.033674641536743	184	0.454553552269735	0.649972133959704	0.00113398148262814	0.795262451305531
PCPG	KAT6A	cg15251374	0.014562442531107	184	0.196478924696724	0.844454548326239	0.000212064732471794	0.916882007428569
PCPG	KAT6A	cg20966972	0.0549783694283021	184	0.742822238308665	0.458547015038968	0.00302262110499486	0.648503035758021
PCPG	KAT6B	cg04396765	-0.120432672130152	184	-1.63663784649883	0.103434177633009	0.0145040285164087	0.243938592578132
PCPG	KAT6B	cg06972998	-0.11312389543086	184	-1.53598443899427	0.126278818042142	0.0127970157174522	0.280429744248534
PCPG	KAT6B	cg09631472	0.0084613923931394	184	0.114154510723817	0.909241143498805	7.15951612306772e-05	0.951780144763539
PCPG	KAT6B	cg10359932	-0.0963332568102503	184	-1.3056792220086	0.19330968387436	0.00928009636766963	0.374294248216318
PCPG	KAT6B	cg10739686	-0.0761229285832504	184	-1.02994289280317	0.304403595842383	0.00579470025609064	0.503017897521226
PCPG	KAT6B	cg11128436	-0.0745400452846357	184	-1.00840555183287	0.314598592651705	0.00555621835103554	0.513628468944715
PCPG	KAT6B	cg11348552	-0.0304389616926594	184	-0.410834413283279	0.681677254506993	0.000926530388927187	0.816418238397615
PCPG	KAT6B	cg15874302	-0.0265614308903301	184	-0.358459764160255	0.72041471861094	0.000705509610941781	0.841475370403584
PCPG	KAT6B	cg15912797	0.00250677536210928	184	0.0338183547963231	0.973059059574877	6.28392271607809e-06	0.985832788276091
PCPG	KAT6B	cg17147776	-0.00586810808353486	184	-0.0791664691958942	0.936987190820289	3.44346924800472e-05	0.966360948228465
PCPG	KAT6B	cg18462764	-0.0737950498447213	184	-0.99827150985595	0.319473105605556	0.0054457093815849	0.518800720589011
PCPG	KAT6B	cg18491775	-0.053511104208588	184	-0.722940052716171	0.470644726962676	0.00286343827362236	0.659141553807306
PCPG	KAT6B	cg24671245	-0.0981296051803058	184	-1.33026106489516	0.185096766066522	0.00962941941284271	0.363668639942376
PCPG	KAT6B	cg26605858	-0.0163468544764552	184	-0.220560594757751	0.825681810583045	0.000267219651274402	0.906286995026418
PCPG	KDM1A	cg00062312	0.16454808141348	184	2.25055211647308	0.0256106829099734	0.0270760710968571	0.0877497232459137
PCPG	KDM1A	cg00541565	-0.00873678906394261	184	-0.117870227097442	0.906300466607109	7.63314831478272e-05	0.950392079494029
PCPG	KDM1A	cg04886391	-0.416678047194134	184	-6.1836737977611	4.02019341448992e-09	0.173620595013517	1.18554558941178e-07

PCPG	KDM1A	cg06958034	0.0693248560862219	184	0.937498933052509	0.349744373229738	0.00480593567137538	0.548814220006338
PCPG	KDM1A	cg07118078	-0.190264096493499	184	-2.61456336863597	0.00968282997828617	0.0362004264144875	0.0415464314730735
PCPG	KDM1A	cg07785945	0.112775084744262	184	1.53118721744258	0.127459442914387	0.0127182197390754	0.282286053125371
PCPG	KDM1A	cg10499166	-0.170611009405959	184	-2.33591648302912	0.0205849243196205	0.0291081165305201	0.0744621781140407
PCPG	KDM1A	cg12578844	-0.0839556900444834	184	-1.13663709131149	0.257184387008628	0.00704855789084536	0.451624166563943
PCPG	KDM1A	cg22683154	-0.166681111024259	184	-2.28055412672113	0.0237340120161907	0.0277825927722814	0.0829230095566128
PCPG	KDM1A	cg26662347	0.226625493334382	184	3.13901605694465	0.00197811513488028	0.0513591142290521	0.0117883781831528
PCPG	KDM1B	cg11007366	-0.0850652767284277	184	-1.15176804510175	0.250927140478218	0.00723610130488399	0.444551037707582
PCPG	KDM1B	cg15124342	-0.0476081814090157	184	-0.642998585286826	0.52103428527265	0.00226653893707375	0.701171830689533
PCPG	KDM1B	cg20677365	-0.0261299161068781	182	-0.350689352936403	0.726231489030555	0.000682772515752488	0.844933110859837
PCPG	KDM1B	cg22406543	-0.0563511654491862	184	-0.76142868654415	0.447386549468042	0.00317545384748156	0.639003951627013
PCPG	KDM1B	cg23073439	-0.15114668335251	184	-2.06277879158181	0.0405538547972461	0.0228453198884639	0.123593456871306
PCPG	KDM1B	cg23860886	-0.0357759798126899	184	-0.482953524794841	0.629709165178781	0.00127992073155799	0.781525713855941
PCPG	KDM1B	cg24342628	0.0121125828205266	184	0.163419664514844	0.87036934438943	0.000146714662584116	0.931222112890113
PCPG	KDM2A	cg05038268	-0.321884447581364	184	-4.5865600984595	8.36354708246149e-06	0.10360959759476	0.0001117351505638
PCPG	KDM2A	cg05295919	-0.342190546777315	184	-4.91299767596526	1.99050040601705e-06	0.117094370303758	3.14605828089579e-05
PCPG	KDM2A	cg06320126	-0.140498745925784	184	-1.91442112714153	0.0571350109249965	0.0197398976067181	0.15887196768414
PCPG	KDM2A	cg07283932	-0.394874959731019	184	-5.79835882010425	2.90740439422966e-08	0.155926233822574	7.21232836239484e-07
PCPG	KDM2A	cg08836144	-0.175460898983169	184	-2.40439780518539	0.0172020840441295	0.0307865270719818	0.0648581890129079
PCPG	KDM2A	cg09993857	-0.141608695496603	184	-1.92985343489226	0.0551798539639638	0.0200530226402497	0.154980921339902
PCPG	KDM2A	cg11637544	0.2189075970832	184	3.02663415692321	0.00283145510651084	0.0479205360607406	0.0157176025662076
PCPG	KDM2A	cg16004548	-0.387882943642441	184	-5.67731141436939	5.32366619453809e-08	0.150453177968725	1.23368867422668e-06
PCPG	KDM2A	cg18132081	0.0322630854354551	184	0.435479524373467	0.663730412005291	0.00104090668181547	0.804612909111093
PCPG	KDM2A	cg21293464	-0.328184117609188	184	-4.68704344326627	5.41654151008205e-06	0.107704815050921	7.63221210351971e-05
PCPG	KDM2A	cg21711868	-0.398678479543772	184	-5.86470494421441	2.07979676191842e-08	0.158944530051334	5.341555275559e-07
PCPG	KDM2A	cg25597833	-0.338725842798581	184	-4.85676876851613	2.56150142001277e-06	0.114735196579609	3.93191478824928e-05
PCPG	KDM2B	cg03486832	-0.0112275591761292	184	-0.151477602109945	0.879766750788608	0.000126058085053482	0.936222778715385
PCPG	KDM2B	cg05067991	0.0700938939607906	184	0.947949907514385	0.344411922513553	0.00491315397058655	0.543650369008828
PCPG	KDM2B	cg07020001	0.00430477357293783	184	0.0580751086412457	0.953752514269958	1.85310755142639e-05	0.975521616333813
PCPG	KDM2B	cg07529210	-0.029237756381602	184	-0.394607598785136	0.693594535780163	0.000854846398229907	0.8242323540808
PCPG	KDM2B	cg07793808	0.0173660220454216	184	0.234315780923197	0.815003218806697	0.000301578721682069	0.900518632203852
PCPG	KDM2B	cg09151742	0.0740980201040651	184	1.00239255730092	0.317484886739426	0.00549051658334244	0.516717713614892
PCPG	KDM2B	cg12251659	0.0662365315589239	184	0.895546329212368	0.37167801287507	0.00438727811295632	0.570279660242263
PCPG	KDM2B	cg12888660	-0.101823898650015	184	-1.38085657994877	0.169016344018963	0.0103681063362885	0.34232993106488
PCPG	KDM2B	cg15234492	0.0423287852203892	184	0.571558800741076	0.568326095176428	0.00179172605823384	0.736872670802583
PCPG	KDM2B	cg15316703	-0.164402901689119	184	-2.24851128405754	0.025742917353179	0.027028314083802	0.0880709139616168
PCPG	KDM2B	cg16837338	-0.0688123341956309	184	-0.930534861123386	0.353326857532119	0.0047351373374512	0.552352341194335
PCPG	KDM2B	cg17452615	0.025107465539003	184	0.338825040382416	0.735132129431135	0.000630384825792223	0.85064221363309
PCPG	KDM2B	cg20055546	-0.107225082685002	184	-1.45493347405615	0.147410233441916	0.0114972183568056	0.312131865085511
PCPG	KDM2B	cg21249371	0.000439472654575058	184	0.00592881082162309	0.995276014664061	1.93136214119248e-07	0.997588630652915
PCPG	KDM2B	cg21781916	0.0242582315039768	184	0.327357767912399	0.743773528462769	0.00058846179570053	0.85604766719286
PCPG	KDM2B	cg26218726	-0.198319691033147	184	-2.72969783318286	0.00696182763049495	0.0393306998514828	0.0322681374336704
PCPG	KDM2B	cg26509318	0.288995710082054	184	4.07253892069966	6.93092618304318e-05	0.0835185204458306	0.000703712439942132
PCPG	KDM3A	cg01744130	-0.198745386204372	184	-2.73579784735212	0.00683916931878623	0.0394997285375248	0.0318133423813475
PCPG	KDM3A	cg02152982	-0.202376192106071	184	-2.78789155009568	0.00586880407994705	0.0409561231313533	0.0281815193244571
PCPG	KDM3A	cg02972551	0.0300917980543696	184	0.406144477228104	0.685113575480019	0.00090551631014496	0.818817892895752
PCPG	KDM3A	cg03037033	-0.0465095597427409	184	-0.62812799658798	0.530707492047115	0.00216313914746358	0.708502050740909
PCPG	KDM3A	cg04793821	0.040974349652431	184	0.553238808654573	0.580778842841722	0.00167889732943967	0.74648033933076
PCPG	KDM3A	cg07052513	-0.122857482954837	184	-1.67009012186426	0.0966204609291219	0.0150939611179981	0.2323807096524
PCPG	KDM3A	cg07211384	-0.0799355142294427	184	-1.08185092749855	0.280750108447163	0.00638968643512543	0.477966384430213
PCPG	KDM3A	cg12888358	-0.242727559733843	184	-3.37552044695923	0.000900598791313963	0.0589166682543465	0.00615922482386624
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PCPG	KDM3A	cg19139691	-0.150931944461856	184	-2.0597797685764	0.0408431136637107	0.0227804518590366	0.124255961219925
PCPG	KDM3A	cg20191795	-0.0970618196989128	184	-1.31564755819477	0.189947255434799	0.00942099684326427	0.369992407964713
PCPG	KDM3A	cg20918903	-0.0563117656803014	184	-0.760894614516423	0.447704709076785	0.00317101495403317	0.639211924641096
PCPG	KDM3A	cg22404242	0.04669921845244	184	0.630694991085022	0.529031141212922	0.00218081700406871	0.707332747826174
PCPG	KDM3A	cg24749656	-0.134210380801564	184	-1.8271272994179	0.0693185414403074	0.0180124263149007	0.18304706764451

PCPG	KDM3B	cg00435490	0.0394144410395046	184	0.532143382805394	0.595275701263064	0.00155349816245659	0.756693375775075
PCPG	KDM3B	cg03315484	-0.188909353371399	184	-2.59525530203589	0.0102229746540083	0.0356867437912002	0.0433374797141257
PCPG	KDM3B	cg05191700	-0.183444103529127	184	-2.5175181832925	0.0126815731613511	0.0336517391196049	0.051356080297457
PCPG	KDM3B	cg05708550	-0.0479639671620428	184	-0.647814885260992	0.517921056264378	0.00230054214592152	0.698807614878176
PCPG	KDM3B	cg05722427	-0.0792448297330561	184	-1.07244384020739	0.284940690892919	0.00627974303942104	0.482147254957555
PCPG	KDM3B	cg15001364	-0.180635847874982	184	-2.4776683517867	0.0141361385583084	0.0326293095375138	0.0557477112174295
PCPG	KDM3B	cg18682923	-0.103560395195339	184	-1.40465872878053	0.161827160747726	0.0107247554530147	0.332291140347586
PCPG	KDM3B	cg19076659	-0.195335239643756	184	-2.68697695082694	0.00787818661208449	0.0381558558466838	0.0354999758681614
PCPG	KDM3B	cg24137987	-0.0582581170064619	184	-0.787282123997788	0.432140770352546	0.0033940081971386	0.625939507872309
PCPG	KDM4A	cg00154982	-0.378740703350558	184	-5.52077345825293	1.14975509118732e-07	0.143444520374475	2.46470233022392e-06
PCPG	KDM4A	cg00979347	0.157701566371207	184	2.15446971664023	0.0325178187834603	0.0248697840359321	0.104795306834156
PCPG	KDM4A	cg03587511	0.280106838320252	184	3.93642764016288	0.000117617608250916	0.0784598408737681	0.00110774143054138
PCPG	KDM4A	cg08552254	-0.5411545645075	184	-8.68161882152768	2.1782544326487e-15	0.292848262687302	1.77439921815155e-13
PCPG	KDM4A	cg10958452	0.191892583923222	184	2.63779341600009	0.00906704890238568	0.0368227637647308	0.0395626228230519
PCPG	KDM4A	cg10968649	0.249025776627861	184	3.46882013471603	0.000652513209501621	0.0620138374251093	0.00469840916512117
PCPG	KDM4A	cg12293275	0.0215661779500664	184	0.29101132952626	0.771374024711147	0.000465100031373932	0.873310603457572
PCPG	KDM4A	cg17737314	0.171488423784276	184	2.34829261021945	0.0199333877255281	0.0294082794920153	0.0726186178102338
PCPG	KDM4A	cg19743044	-0.0320732798577981	184	-0.432914927419122	0.665589160944079	0.00102869528083664	0.805836605429406
PCPG	KDM4A	cg20873046	-0.065690153904001	184	-0.888126919504288	0.375644710537799	0.00431519631993133	0.574194000619284
PCPG	KDM4A	cg21451504	-0.519657037342206	184	-8.2054801273819	4.06870220428654e-14	0.270043436459279	2.83366713769263e-12
PCPG	KDM4A	cg22094309	-0.436571497549257	184	-6.54648298139085	5.81910367409784e-10	0.190594672472401	2.00750044888145e-08
PCPG	KDM4A	cg24324755	0.1216038093301	184	1.65279090397383	0.100097431143558	0.0147874864435914	0.238406531781324
PCPG	KDM4A	cg24505556	-0.3805303886491	184	-5.55126615380573	9.90708545166293e-08	0.144803376685435	2.15342778884232e-06
PCPG	KDM4A	cg25841161	0.0127346122605497	184	0.17181324404837	0.863775243130583	0.000162170349426542	0.927642000940123
PCPG	KDM4B	cg01098771	0.0213598763666827	184	0.288226244740604	0.773501535822169	0.000456244318399969	0.874390108369174
PCPG	KDM4B	cg12072803	0.0104997493758842	184	0.141657172003819	0.887507485584078	0.000110244736956381	0.940239916840677
PCPG	KDM4B	cg18115693	0.156172545370585	184	2.13305586977945	0.0342600100628339	0.0243898639275276	0.109029381175214
PCPG	KDM4C	cg00121158	0.118091127021019	184	1.6043625091956	0.11036804523613	0.0139455142810945	0.255612555237255
PCPG	KDM4C	cg00667760	0.187595641252741	184	2.57654669427582	0.0107719899119794	0.035192124617027	0.0451920500033719
PCPG	KDM4C	cg05545111	0.0214008842137278	184	0.288779850396731	0.773078502253684	0.000457997845129382	0.874191362932774
PCPG	KDM4C	cg14196303	0.0419544925794283	184	0.566495835736455	0.571754673315283	0.0017601794475973	0.739506260593032
PCPG	KDM4C	cg14473811	0.15130212969918	184	2.06494992698069	0.0403455408322802	0.0228923344515076	0.123169416334538
PCPG	KDM4C	cg14497348	0.0434341926272625	184	0.586512791897516	0.558257715077587	0.00188652908918215	0.729324746616048
PCPG	KDM4E	cg15555590	0.0722821779568011	184	0.977697332263287	0.329521819195645	0.00522471325017865	0.529160850161251
PCPG	KDM4E	cg19409026	0.0322283902896661	184	0.435010730287514	0.664070025632079	0.00103866914066305	0.804883827340489
PCPG	KDM5B	cg00528052	0.0937044703400419	184	1.26972915456824	0.205802205400022	0.0087805277617078	0.390102014251342
PCPG	KDM5B	cg00571448	0.122360715650202	184	1.66323435269157	0.0979865693842679	0.0149721447344297	0.234626258838196
PCPG	KDM5B	cg02624558	0.0671252727865067	184	0.907616517832164	0.365281040292696	0.00450580224666294	0.56424577548868
PCPG	KDM5B	cg04504182	-0.020999788299532	184	-0.283365120471611	0.777219027255645	0.000440991108625161	0.876811964485008
PCPG	KDM5B	cg08915090	0.072444999366047	184	0.979911280359259	0.328430688206475	0.00524827793314654	0.528059134510989
PCPG	KDM5B	cg09889216	-0.0263947973096965	184	-0.356209388085696	0.722096342466823	0.000696685325019964	0.842541401554813
PCPG	KDM5B	cg11171004	-0.0297393066535631	184	-0.401382717366652	0.688609255227415	0.000884426360234664	0.821054002623366
PCPG	KDM5B	cg11221497	-0.16266337355758	184	-2.22406988303426	0.0273734323637228	0.0264593730971328	0.0922056201473675
PCPG	KDM5B	cg13134514	0.0939643469850961	184	1.27328190112524	0.204541917092902	0.00882929850433554	0.388710921666744
PCPG	KDM5B	cg13253785	0.0792544662965775	184	1.07257507898259	0.284881935975523	0.00628127042795533	0.482139499421624
PCPG	KDM5B	cg13993945	0.123870339138421	184	1.68407226742138	0.0938819396774018	0.0153438609182675	0.227645463536673
PCPG	KDM5B	cg14560895	-0.155679626336035	184	-2.1261559270922	0.0348382478587556	0.0242361460561276	0.110471880892024
PCPG	KDM5B	cg21105875	0.248304325363998	184	3.45810929767864	0.000677331099020505	0.06165503799447	0.00484615980108537
PCPG	KDM5B	cg24354901	-0.132860753220273	184	-1.80842173095228	0.0721915498257117	0.0176519797462584	0.188502984833398
PCPG	KDM5B	cg27531483	-0.212391213305742	184	-2.93221339582773	0.00379788540807618	0.0451100274894853	0.0199199499349972
PCPG	KDM5C	cg01859586	-0.0487233233407141	184	-0.658095179104175	0.511308531079279	0.00237396223736378	0.693506099915989
PCPG	KDM5C	cg04927657	0.244754759831927	184	3.40550046692776	0.000812602578575921	0.0599048924603842	0.00564173181595138
PCPG	KDM5C	cg04927982	-0.435728526597664	184	-6.53087655981404	6.33198018982202e-10	0.189859348890972	2.16904476832679e-08
PCPG	KDM5C	cg09554224	0.319798739447659	184	4.55344264631991	9.63676592397839e-06	0.102271233752312	0.000126699774934929
PCPG	KDM5C	cg12234996	-0.400753091279873	184	-5.90104435586469	1.72938842901562e-08	0.160603040170374	4.50707013222248e-07
PCPG	KDM5C	cg16417926	-0.222721001818329	184	-3.08208571659904	0.00237515684020422	0.0496046446509603	0.0136585564183063
PCPG	KDM5C	cg16824069	-0.497317419477282	184	-7.73331158812069	6.9034337238708e-13	0.247324615715543	3.99587591603277e-11

PCPG	KDM5C	cg19903753	-0.397901791580541	184	-5.85112788517764	2.22780983838955e-08	0.158325835743004	5.67486046390558e-07
PCPG	KDM5C	cg24985300	-0.0245193359242632	184	-0.330883404325743	0.741113188385399	0.000601197834166865	0.854392899923449
PCPG	KDM5C	cg27526317	-0.152514632867231	184	-2.08189048075769	0.0387513450835722	0.0232607132386261	0.119618369154488
PCPG	KDM6A	cg00751785	-0.358605771490742	184	-5.18255258633963	5.77864879575524e-07	0.12859809934647	1.05107366008179e-05
PCPG	KDM6A	cg03267667	-0.075869474896609	184	-1.02649377864991	0.306021237588244	0.00575617722108718	0.504535013865642
PCPG	KDM6A	cg03478540	-0.0211533637420927	184	-0.285438347775996	0.775632914856122	0.000447464797605283	0.875777484673822
PCPG	KDM6A	cg06877198	-0.130720461923248	184	-1.77877867273138	0.0769452912198333	0.0170878391654273	0.197499930914152
PCPG	KDM6A	cg07167981	-0.391048095842132	184	-5.73196196620569	4.05550025187766e-08	0.152918613261757	9.70450896938084e-07
PCPG	KDM6A	cg11895950	-0.191845802045652	184	-2.63712576737944	0.00908424302645862	0.0368048117625395	0.0396176478304923
PCPG	KDM6A	cg14384228	-0.141998988569832	184	-1.93528167998022	0.0545056406540646	0.0201637127548553	0.153692116750962
PCPG	KDM6A	cg15923127	0.0140127952912311	184	0.189061506623062	0.850255276625893	0.000196358431873947	0.920143968289642
PCPG	KDM6A	cg17824914	-0.226116599123726	184	-3.13158704054079	0.00202619117766823	0.0511287163992797	0.0120205533802732
PCPG	KDM6A	cg20211377	-0.11337909799746	184	-1.53949462481778	0.12542039338738	0.0128548198627175	0.279074545061788
PCPG	KDM6A	cg22133177	-0.0122055172906229	184	-0.164673697151543	0.869383571372648	0.000148974652331693	0.930684265190089
PCPG	KDM6A	cg27306636	-0.235309673728322	184	-3.26621490528285	0.00130256031361947	0.0553706425501294	0.00836205455006707
PCPG	KDM6B	cg01046511	-0.00226012784305703	184	-0.0304908694665279	0.975708985345467	5.10817786696164e-06	0.987257489282104
PCPG	KDM6B	cg02308232	-0.0377554464345298	184	-0.509712239693768	0.610870591202336	0.00142547373547065	0.76795893363059
PCPG	KDM6B	cg24893073	-0.0166269587099958	184	-0.224340948748067	0.822743668681018	0.000276455755943905	0.904636846198569
PCPG	KDM8	cg00636124	0.0448480903640817	184	0.605643204486961	0.545506225205306	0.00201135120930484	0.719357911336969
PCPG	KDM8	cg01755539	-0.15848443639927	184	-2.16543990447626	0.0316553243997318	0.0251173165807943	0.102715090984473
PCPG	KDM8	cg06329197	-0.0301281906933337	184	-0.406636109197114	0.684753046326682	0.000907707874453879	0.81860156876691
PCPG	KDM8	cg08572679	-0.120269781561576	184	-1.63439170872419	0.103905143969973	0.0144648203568692	0.244826652834992
PCPG	KDM8	cg09140090	-0.111678858815407	184	-1.51611445755222	0.131225331956878	0.0124721675063116	0.287978320241851
PCPG	KDM8	cg10214171	0.0409170003509311	184	0.552463174513919	0.581308899043862	0.00167420091771809	0.746821304242258
PCPG	KDM8	cg10221365	0.0149440420475426	184	0.201628664954019	0.84043221425705	0.000223324392718722	0.914503289495656
PCPG	KDM8	cg16752029	0.0768850940146466	184	1.04031600260514	0.299573136151803	0.00591131768164104	0.497854062415635
PCPG	KDM8	cg24206694	-0.0565085670958169	184	-0.763562334096346	0.446116778101772	0.00319321815522244	0.638023024248475
PCPG	KDM8	cg24705286	0.076627367838832	184	1.03680813204943	0.301200849191628	0.00587175350190766	0.499586773741279
PCPG	KIAA202f	cg03495688	-0.0628773295365555	184	-0.849943365827521	0.396473275510666	0.00395355856964859	0.593105051536964
PCPG	KIAA202f	cg25608569	-0.123867679405549	184	-1.68403554370645	0.0938890492528235	0.0153432020013159	0.227645463536673
PCPG	KMT2B	cg09284703	-0.048200144025676	184	-0.651012166574111	0.515859722279697	0.00232325388409591	0.697044193096077
PCPG	KMT2B	cg13830730	0.107043527322897	184	1.45244137610269	0.148100741003524	0.0114583167417277	0.313063122809309
PCPG	KMT2B	cg15496871	-0.0470749742932274	184	-0.635780976936031	0.525717829405829	0.00221605320470802	0.704543697087561
PCPG	KMT2B	cg24471867	0.0264226857489873	184	0.35658601763694	0.721814806343921	0.000698158322189736	0.842402427986423
PCPG	L3MBTL1	cg01071811	-0.010332018276558	184	-0.139393987462148	0.889292953103175	0.000106750601667129	0.941311055088216
PCPG	L3MBTL1	cg01877937	0.0976873335431972	184	1.32420766056451	0.187094673753654	0.00954281513477986	0.366287865828078
PCPG	L3MBTL1	cg02177317	0.118738643352973	184	1.61328499087171	0.108415150208964	0.0140988654253045	0.252365296090848
PCPG	L3MBTL1	cg02472486	0.126961925527196	184	1.72678385871597	0.0859032277632365	0.0161193305335734	0.213656745975229
PCPG	L3MBTL1	cg02611863	0.0596949169608564	184	0.806767192079093	0.420853624593233	0.00356348311096354	0.61596853623899
PCPG	L3MBTL1	cg03486259	-0.0660779384732295	184	-0.893392667837082	0.372826734891031	0.0043662939528719	0.571433584484847
PCPG	L3MBTL1	cg04984575	0.0493361077813694	184	0.666391992810318	0.506004420644646	0.0024340515310149	0.689065397729358
PCPG	L3MBTL1	cg06362543	-0.130812165550687	184	-1.78004824694671	0.0767365478273267	0.0171118226560603	0.197082964730243
PCPG	L3MBTL1	cg06446163	0.0593272219197952	184	0.801780245751534	0.423725685327753	0.00351971926072063	0.618762149013332
PCPG	L3MBTL1	cg06908806	-0.137688317169052	184	-1.87537879785241	0.0623421569978131	0.0189580726848455	0.169302721548833
PCPG	L3MBTL1	cg07678583	0.0558519964825711	184	0.754662610757325	0.451426834919296	0.00311944551108914	0.642039913629597
PCPG	L3MBTL1	cg08369943	0.20368274001323	184	2.806666697523	0.00555096245756134	0.0414866585792972	0.0269608274597944
PCPG	L3MBTL1	cg08633313	0.040393539931646	184	0.545383762563376	0.586157370051986	0.00163163806820948	0.750364049527354
PCPG	L3MBTL1	cg09541000	0.0600230681062278	184	0.811218093713393	0.418300037478124	0.00360276870488487	0.61371919950914
PCPG	L3MBTL1	cg10360552	-0.00212986432003976	184	-0.0287335057592394	0.977108616642033	4.53632202177843e-06	0.987979772323823
PCPG	L3MBTL1	cg12699433	0.0539966179274587	184	0.729518482810194	0.46662240088174	0.00291563474760395	0.655881600372097
PCPG	L3MBTL1	cg14306330	0.136993387365687	184	1.8657320293973	0.0636880557798246	0.0187671881819251	0.17191355348146
PCPG	L3MBTL1	cg15123011	0.0455952658306612	184	0.6157541528069	0.538826064690863	0.00207892826616866	0.714452350996731
PCPG	L3MBTL1	cg15302378	0.0304244658664276	184	0.410638581922847	0.68182060784618	0.000925648123257419	0.816528579484711
PCPG	L3MBTL1	cg15330298	0.0514937792453682	184	0.695611919626828	0.487559156099232	0.00265160930097072	0.673829291506043
PCPG	L3MBTL1	cg15388309	-0.00580182555762681	184	-0.078272223364374	0.93769750002342	3.36611798011317e-05	0.96664874103142
PCPG	L3MBTL1	cg16862791	-0.0320819758095083	184	-0.433032423525544	0.665503957606133	0.00102925317184188	0.805836605429406
PCPG	L3MBTL1	cg17091610	0.0308467742300138	184	0.41634386343236	0.677648967315162	0.00095152348039744	0.813722679066385

PCPG	L3MBTL1	cg17774347	-0.0705009257697116	184	-0.953482023543076	0.341610530626401	0.00497038053438639	0.540754950510328
PCPG	L3MBTL1	cg18911945	-0.048533630167102	184	-0.65526973994663	0.512956285171981	0.00235551325719703	0.694711038125812
PCPG	L3MBTL1	cg20091959	0.0846490776566064	184	1.14609201559689	0.253261729735254	0.00716546634811419	0.447307795214095
PCPG	L3MBTL1	cg20252111	-0.0112226132632171	184	-0.151410865483756	0.879819316234805	0.000125947048455736	0.936238665597495
PCPG	L3MBTL1	cg20529070	-0.0116650232660214	184	-0.157380475513618	0.87511946216587	0.00013607276779682	0.933881719087116
PCPG	L3MBTL1	cg22330467	0.0640026429114466	184	0.8652167877215	0.388058833439415	0.00409633829965014	0.585891567142528
PCPG	L3MBTL1	cg22457903	0.0423059110323918	184	0.571249380300344	0.568535346238933	0.00178979010828065	0.736955296409305
PCPG	L3MBTL1	cg22601123	0.167151057732853	184	2.28716854654923	0.0233368344985388	0.0279394761012117	0.0818183141751083
PCPG	L3MBTL1	cg23626798	0.0713320735391176	184	0.964779942117038	0.335935223442419	0.00508826471539008	0.535505609861881
PCPG	L3MBTL1	cg24343973	-0.0231862189099495	184	-0.31288330885463	0.754727556100365	0.000537600747340098	0.863016736210034
PCPG	L3MBTL1	cg02358112	-0.439357787276816	184	-6.59821927827733	4.39427988860185e-10	0.19303526524078	1.5482273987948e-08
PCPG	L3MBTL1	cg06235991	-0.0479500913669752	184	-0.647627042902602	0.518042294444514	0.00229921126210127	0.698910586764534
PCPG	L3MBTL1	cg08053598	-0.103421660021086	184	-1.40275661229745	0.162392977818565	0.0106960397615171	0.333042228032135
PCPG	L3MBTL1	cg09993119	-0.276180726566552	184	-3.87666166381584	0.000147736323732034	0.0762757937268285	0.00134452498460574
PCPG	L3MBTL1	cg12821546	0.110152014432227	184	1.49513015696005	0.136612366515155	0.0121334662834774	0.296199064678929
PCPG	L3MBTL1	cg13843727	-0.213495256452623	184	-2.94818145108581	0.00361567037583768	0.0455802245277715	0.0191111198001031
PCPG	L3MBTL1	cg14679202	-0.0748583979562892	184	-1.01273656401997	0.31253047489503	0.00560377974458217	0.511566179111737
PCPG	L3MBTL1	cg15283028	-0.332668486982236	184	-4.75899749216929	3.95221342724641e-06	0.11066832223105	5.7760377861959e-05
PCPG	L3MBTL1	cg19467356	-0.127378118208063	184	-1.73253761572593	0.0848719104923609	0.0162251849982273	0.211843469209187
PCPG	L3MBTL1	cg24240981	-0.0327594573782421	184	-0.4421865792466	0.65887920101657	0.00107318204771686	0.801539509662273
PCPG	L3MBTL1	cg26947834	0.303757739719839	184	4.30114819686971	2.76789286761589e-05	0.0922687644397055	0.000317636019683302
PCPG	L3MBTL1	cg27177954	-0.278836767592916	184	-3.91707050043139	0.000126667437587265	0.077749942961666	0.00118025711338648
PCPG	L3MBTL1	cg03454037	0.171947473299779	184	2.35476989872419	0.0195996834094377	0.0295659335741781	0.0717051246780378
PCPG	L3MBTL1	cg07826275	0.164847216080675	184	2.2547576112002	0.0253400576257745	0.0271746046495489	0.0870794435435773
PCPG	L3MBTL1	cg08106148	0.179405139021541	184	2.46022410203778	0.0148183031208078	0.0321862039073384	0.0578121902196652
PCPG	L3MBTL1	cg08358392	0.205645143116437	184	2.83489594533619	0.00510247661297726	0.0422899248873797	0.0251882775322008
PCPG	L3MBTL1	cg09710740	0.183820927024538	184	2.52287022881082	0.0124967517028548	0.0337901332121605	0.0507449787019462
PCPG	L3MBTL1	cg10237990	0.18894363297986	184	2.59574367174177	0.0102089857107922	0.035699696443628	0.043299413062118
PCPG	L3MBTL1	cg16487825	0.0779943933185339	184	1.05541690514056	0.292633699954996	0.00608312538912617	0.4902923242484047
PCPG	L3MBTL1	cg16800851	0.14539549833937	184	1.98255995736173	0.0489212581529609	0.0211398509373536	0.141964352310931
PCPG	L3MBTL1	cg18411550	0.12395293453083	184	1.68521270467559	0.0936613718184219	0.0153643299788042	0.227284695216243
PCPG	L3MBTL1	cg18798995	0.194542785538756	184	2.6756464769708	0.00813884584552464	0.0378468954051782	0.0364069561098697
PCPG	L3MBTL1	cg22934935	0.162299690107435	184	2.21896261607759	0.0277252724657987	0.0263411894089695	0.0931033075581303
PCPG	L3MBTL1	cg24516147	0.116365352556224	184	1.58059222339117	0.115707637183326	0.0135408952755344	0.263977240594728
PCPG	LBR	cg01017344	-0.211029258038594	184	-2.91253128505118	0.00403404647664137	0.0445333477483194	0.0208840494845171
PCPG	LBR	cg05530459	0.0528050526005091	184	0.713374378061848	0.476527858804364	0.00278837358014253	0.664280779739336
PCPG	LBR	cg12994003	0.243701100443884	184	3.38991212788291	0.000857300733383839	0.0593902263575601	0.00590777334155925
PCPG	LBR	cg14607642	-0.0401718201022069	184	-0.542385303100186	0.588216608600745	0.00161377513032408	0.751788504547777
PCPG	LBR	cg18107727	0.175869508181495	184	2.41017561042465	0.0169405388871384	0.030930083908001	0.0640552290359698
PCPG	LBR	cg18289048	0.0807897602310089	184	1.09348788489451	0.27562483239429	0.0065269853581839	0.472044775326253
PCPG	LBR	cg18764107	0.0561888952882	184	0.759229161273442	0.448697691955134	0.00315719243025983	0.640007118591084
PCPG	LBR	cg19322477	0.113408694087714	184	1.53990172444775	0.125321133605861	0.0128615318946807	0.27890738472571
PCPG	LBR	cg20483690	0.332116524517775	184	4.75012153511092	4.10965408603232e-06	0.110301385857766	5.98925496382163e-05
PCPG	LBR	cg26930584	-0.00772266959944198	184	-0.104187615755152	0.917135185578016	5.96396257421454e-05	0.956270791500474
PCPG	MBD1	cg01719254	-0.191960970644937	184	-2.63876943223384	0.00904196602359222	0.0368490142509465	0.0394819659204834
PCPG	MBD1	cg03841029	-0.140843419956969	184	-1.91921254974517	0.0565218477928759	0.0198368689451751	0.157651594679251
PCPG	MBD1	cg05549078	-0.155902751683142	184	-2.12927906179675	0.0345754861528057	0.0243056679823754	0.109826686120263
PCPG	MBD1	cg12090413	-0.159046784918956	184	-2.17332255633215	0.0310478555517548	0.0252958797930567	0.101233784936217
PCPG	MBD1	cg13478031	-0.0544491655267302	184	-0.735650708213923	0.462890287839132	0.00296471162655727	0.652223018435684
PCPG	MBD1	cg14389183	-0.153968076928653	184	-2.10221004437584	0.0369106287488805	0.0237061687131076	0.115379270158262
PCPG	MBD1	cg19328682	-0.178198694762084	184	-2.44313536724352	0.0155147672999464	0.0317547748149102	0.0599320775776504
PCPG	MBD1	cg21282183	0.027040241582319	184	0.364926239639802	0.715590165871617	0.000731174664830176	0.838296281259766
PCPG	MBD2	cg15090185	0.0799987072433752	184	1.08271169119055	0.280368781328354	0.00639979316061125	0.477588932857255
PCPG	MBD2	cg16852837	0.0476919437168047	184	0.644132460149746	0.520300481570708	0.00227452149548687	0.700668622137767
PCPG	MBD2	cg17987217	0.0333218587131414	184	0.449786229603265	0.653399823146674	0.00111034626809856	0.797667846366712
PCPG	MBD2	cg22224310	0.0643906639318046	184	0.870484004971473	0.385182642072402	0.00414615760157861	0.583269717315771
PCPG	MBD2	cg22836370	0.116485227415434	184	1.58224287109047	0.115330349853038	0.0135688082060253	0.263402302755775

PCPG	MBD2	cg23388714	0.0173730158222735	184	0.234410174846056	0.814930054916949	0.000301821678760965	0.900481367572335
PCPG	MBD2	cg24881765	-0.104957515027273	184	-1.42381845756175	0.156211182110459	0.0110160799607002	0.324577331171836
PCPG	MBD2	cg25192916	-0.00269644636642213	184	-0.0363771825289997	0.971021475799951	7.27082300699108e-06	0.984614763925722
PCPG	MBD3	cg08660999	-0.0459051847419559	184	-0.619948348864366	0.536067202275964	0.0021072859861931	0.712308474257103
PCPG	MBD3	cg09174855	0.0928704219822763	184	1.25832873118479	0.209884748915418	0.00862491527916608	0.395441369753598
PCPG	MBD3	cg12286540	-0.0473603027851001	184	-0.63964317777341	0.523208929571122	0.00224299827989636	0.702700403415843
PCPG	MBD5	cg03890220	-0.0662729548815601	184	-0.896040960037205	0.371414499055662	0.00439210454873329	0.570055232994045
PCPG	MBD5	cg04152151	0.0223856747977177	184	0.302074961022398	0.76293983356624	0.000501118436149172	0.868122094920758
PCPG	MBD5	cg05218490	-0.117002444149393	184	-1.58936562460712	0.113713481188368	0.0136895719369318	0.260922751142913
PCPG	MBD5	cg06394585	-0.0548653470630598	184	-0.741290558202726	0.459472702658986	0.00301020630835	0.649375398420411
PCPG	MBD5	cg06758980	-0.0228455003820451	184	-0.308283109735145	0.758219472492201	0.000521916887706025	0.865198981287301
PCPG	MBD5	cg20595490	-0.0253419085123431	184	-0.341990870104577	0.732752341832544	0.000642212327047967	0.849129113992149
PCPG	MBD5	cg21412502	-0.0497975273299418	184	-0.672639894283305	0.502029520666824	0.0024797937281763	0.685762928320045
PCPG	MBD5	cg23120335	-0.0418189830523823	184	-0.564662890531742	0.572998361576642	0.00174882734353544	0.740500505124587
PCPG	MBD5	cg25686162	0.031522213280907	184	0.425469343112949	0.670997230050874	0.000993649930126992	0.809458627546291
PCPG	MBD5	cg26664634	-0.0387174858104514	184	-0.522719376710765	0.601805285286188	0.00149904370748251	0.761355919297486
PCPG	MBTD1	cg01388767	0.164957281392888	184	2.256305165755	0.0252411017382215	0.0272109046845323	0.0868429644254215
PCPG	MBTD1	cg14577476	0.0817831756197619	184	1.10702372797932	0.269744660944746	0.00668848781445282	0.465796254480122
PCPG	MBTD1	cg17045523	0.0352701064458194	184	0.476115981519703	0.634562793185634	0.00124398040869943	0.784742775443082
PCPG	MBTD1	cg18711617	-0.0360667017888414	184	-0.486883182173854	0.626926959085553	0.00130080697792522	0.779415665533632
PCPG	MBTD1	cg22141797	-0.00612135708660309	184	-0.0825831692381741	0.934273739297244	3.74710125817058e-05	0.96508219221312
PCPG	MBTD1	cg25259117	-0.108642429153727	184	-1.47439359281743	0.142103301408882	0.0118031774124226	0.304401883968326
PCPG	MBTD1	cg25716740	0.144637434625984	184	1.97200182229378	0.0501244746146883	0.0209199874951859	0.144533264422881
PCPG	MBTD1	cg25855326	-0.0804764504089062	184	-1.08921954480472	0.277497216315334	0.00647645907041714	0.474286370639667
PCPG	MBTD1	cg27207041	0.0527424570400323	184	0.71252637764038	0.477051353442851	0.00278176677461965	0.664707884451467
PCPG	MBTD1	cg27214721	0.0142571011295427	184	0.192358360599274	0.847675971499807	0.000203264932618008	0.918722882847247
PCPG	MBTD1	cg27353579	-0.0727361701137646	184	-0.983870642435041	0.326485237561707	0.00529055044281851	0.52593788973071
PCPG	MLLT10	cg00879184	-0.0512838394163547	184	-0.692768420201892	0.489337916335498	0.00263003218528246	0.675315839336593
PCPG	MLLT10	cg03524461	0.0527699930969496	184	0.712899415643531	0.476821027440368	0.00278467217145211	0.664525528640201
PCPG	MLLT10	cg04188362	-0.00604939764698913	184	-0.0816123293950696	0.935044677354175	3.65952118913976e-05	0.965445053796877
PCPG	MLLT10	cg05913198	-0.0939462359042014	184	-1.27303429792026	0.204629567052567	0.00882589524056787	0.388773475898076
PCPG	MLLT10	cg06398735	-0.0846356150997861	184	-1.14590842637403	0.25333749503421	0.00716318734331915	0.447386996682142
PCPG	MLLT10	cg11443787	-0.0656979055659568	184	-0.888232175788416	0.375588252843718	0.00431621479575338	0.574139092211278
PCPG	MLLT10	cg15910013	-0.0397844237874678	184	-0.537146486596142	0.591822514152836	0.00158280037610083	0.754337593243204
PCPG	MLLT10	cg19119538	-0.147421167036411	184	-2.01079055758929	0.0458235371669857	0.0217330004903774	0.135366199905003
PCPG	MLLT10	cg20569108	-0.183084324846411	184	-2.51240929793624	0.0128602693339437	0.033519870004466	0.0519210567946621
PCPG	MLLT10	cg23344688	-0.093646650089424	184	-1.26893873557749	0.206083367672194	0.00876969507297101	0.390505405902821
PCPG	MLLT10	cg26877631	-0.0248382281271924	184	-0.335189428628584	0.737868221868443	0.000616937576498451	0.852429913168073
PCPG	MLLT10	cg27470303	-0.0220848426712883	184	-0.298013502061453	0.766032789522196	0.000487740275815557	0.870259427663153
PCPG	MLLT10	cg27572529	0.0807267606853238	184	1.09262959171278	0.276000638280603	0.00651680989074554	0.472496669477604
PCPG	MLLT6	cg05652455	-0.235173573718529	184	-3.26421513729573	0.00131127180198531	0.0553066097755443	0.00840759822814272
PCPG	MORF4L	cg03589001	-0.0639247478594665	184	-0.864159443705106	0.388637787758913	0.00408637338889637	0.586390117359082
PCPG	MORF4L	cg07757959	-0.00631533721679145	184	-0.0852002560735188	0.932195838044372	3.98834841617912e-05	0.964018331757955
PCPG	MORF4L	cg08692282	0.0223656303860241	184	0.301804343915326	0.763145800820558	0.000500221422564244	0.86828567041616
PCPG	MORF4L	cg13747872	0.0203601517853611	184	0.274730413179465	0.783834971880151	0.000414535780722944	0.88073456781172
PCPG	MORF4L	cg15822222	0.0177411980461118	184	0.239379522227482	0.811080670810103	0.000314750108111361	0.898121297593469
PCPG	MORF4L	cg20775702	0.074371592655967	184	1.00611397241674	0.315696514729432	0.00553113379418508	0.514923884408458
PCPG	MORF4L	cg20905746	-0.0109419183975847	184	-0.14762338695232	0.882803411275734	0.000119725578219402	0.937772190195599
PCPG	MORF4L	cg23623458	-0.105634489733773	184	-1.43310536672288	0.153543272669892	0.0111586454213146	0.320802098997732
PCPG	MORF4L	cg24795825	-0.134531770028459	184	-1.83158321197092	0.068648297882191	0.0180987971469902	0.181727487849973
PCPG	MPHOSF	cg00331616	-0.24149156780379	184	-3.35726460169537	0.000958464070699441	0.0583181773203323	0.00648089994923879
PCPG	MPHOSF	cg03134886	-0.0334742039351449	184	-0.45184492254479	0.65191871952335	0.00112052232909167	0.796559729638115
PCPG	MPHOSF	cg03428000	-0.0343654066984442	184	-0.463888685847623	0.64328184373797	0.00118098117754947	0.790638561525423
PCPG	MPHOSF	cg04203901	-0.0111312623187234	184	-0.150178242895263	0.880790293520672	0.000123905000808231	0.936772166165112
PCPG	MPHOSF	cg06019692	-0.171012320241164	184	-2.34157635038363	0.0202846745737842	0.0292452136742664	0.0736053908201395
PCPG	MPHOSF	cg09559995	-0.240233151080071	184	-3.33869536338589	0.0010208706701319	0.0577119668778603	0.00682751142643061
PCPG	MPHOSF	cg11051893	-0.0852134974119857	184	-1.15378959199674	0.250099333213101	0.0072613401411825	0.4437400795507

PCPG	MPHOSF	cg19693579	-0.103451007560614	184	-1.40315897226798	0.162273163628542	0.0107021109653063	0.33289732857434
PCPG	MPHOSF	cg20759595	-0.140929414419985	184	-1.92040809684634	0.056369716236034	0.0198610998487598	0.157392805684908
PCPG	MPHOSF	cg20952532	-0.082012667195745	184	-1.11015115050413	0.268398493394137	0.00672607758056002	0.46419137847321
PCPG	MPHOSF	cg21958444	-0.129776681531451	184	-1.76571536910102	0.0791203792566729	0.0168419870693157	0.201403448313001
PCPG	MPHOSF	cg22656705	-0.10820670333974	184	-1.46841012939109	0.143719052429773	0.0117086906476545	0.306759951840254
PCPG	MSH6	cg00620552	-0.112817497923405	184	-1.53177049866273	0.127315433239629	0.0127277878376974	0.282114815126152
PCPG	MSH6	cg02905881	-9.42727294353133e-05	184	-0.0012718086578328	0.998986636714675	8.88734751518378e-09	0.999500558383896
PCPG	MSH6	cg05039065	0.167070833687085	184	2.28603929340286	0.023404228393874	0.0279126634688975	0.0819843544521359
PCPG	MSH6	cg07652213	-0.101251225347678	184	-1.37300975804827	0.171438590456482	0.0102518106344062	0.345604915936034
PCPG	MSH6	cg09898070	0.0742392122177894	184	1.0043131691246	0.316561078457378	0.00551146063071798	0.515836545893744
PCPG	MSH6	cg11869233	-0.165699677255153	184	-2.26674576288922	0.0245822644923898	0.0274563830424618	0.0851182927814559
PCPG	MSH6	cg16595246	-0.0246351298665477	184	-0.3324469664832	0.73993436690367	0.000606889623541671	0.853535796840214
PCPG	MSH6	cg18222961	-0.13625392630748	184	-1.85547017657164	0.0651462455131139	0.0185651324342042	0.174890849038829
PCPG	MSH6	cg19076255	-0.279626564353246	184	-3.92910515820325	0.000120966234943643	0.0781910154920003	0.00113433549677022
PCPG	MSH6	cg19736286	-0.0905186501255262	184	-1.22619718655385	0.221708610701204	0.00819362602054743	0.410198103571943
PCPG	MSH6	cg21405109	-0.168538521152246	184	-2.30670623420884	0.0221974262345877	0.0284052331121862	0.0787426619468088
PCPG	MTA1	cg01318265	-0.109510878496117	184	-1.48632186043183	0.138924248161984	0.0119926325089913	0.29961667160637
PCPG	MTA1	cg01655777	-0.102252375367872	184	-1.38672851385949	0.167220728228267	0.0104555482683722	0.33994745686335
PCPG	MTA1	cg05922925	-0.136559262655939	184	-1.85970709022431	0.0645408571394072	0.0186484322171337	0.173619123769945
PCPG	MTA1	cg13052453	-0.0351507621865994	184	-0.474502940655089	0.635710133294623	0.00123557608229886	0.785485594690545
PCPG	MTA1	cg13981078	-0.0318447463322484	184	-0.429827112047021	0.667829875130244	0.00101408786896525	0.807340325805073
PCPG	MTA1	cg16531924	0.125396649627918	184	1.70515259295909	0.0898721598996909	0.0157243197379068	0.220595648482532
PCPG	MTA1	cg20222911	0.065700475417587	184	0.888267070667889	0.375569536985689	0.00431655247009695	0.574121763809485
PCPG	MTA1	cg21517792	0.0303593279004128	184	0.409758603788382	0.6824649162103	0.000921688790564784	0.81695840232145
PCPG	MTA1	cg23123838	0.141605828722064	184	1.92981356683289	0.0551848315745955	0.0200522107280624	0.15498371074058
PCPG	MTA1	cg23883989	0.0123832541568273	184	0.167072042329466	0.867498845588671	0.00015334498351258	0.929587663485565
PCPG	MTA1	cg23966123	-0.0850677064787218	184	-1.1518011832708	0.250913555137435	0.00723651468554997	0.444551037707582
PCPG	MTA2	cg00501779	-0.104212418076206	184	-1.41359934347367	0.159187707825577	0.0108602280812899	0.328614794814461
PCPG	MTA2	cg07654871	0.0708000184596467	184	0.957547405023272	0.339561272991638	0.00501264261388631	0.538808779858729
PCPG	MTA2	cg09086761	-0.0285203045928774	184	-0.384916523379292	0.700748698466856	0.000813407774070501	0.828543573147238
PCPG	MTA2	cg13708959	-0.267907726020526	184	-3.75140710142874	0.000236220963336434	0.0717745496614893	0.00199550153347753
PCPG	MTA2	cg19570317	-0.145975640439746	184	-1.99064245003925	0.0480167688078184	0.0213088876017941	0.140071115668045
PCPG	MTA2	cg21002970	-0.00203240602476357	184	-0.0274187129309612	0.978155814369009	4.13067424949525e-06	0.988684242546302
PCPG	MTF2	cg05396182	-0.11896354010296	184	-1.61638445404248	0.107743247473455	0.0141523238738286	0.251331058554588
PCPG	MTF2	cg05962718	-0.424693643503351	184	-6.32850496642	1.87315188645692e-09	0.180364690832152	5.88767587293049e-08
PCPG	MTF2	cg09936581	0.17786560627312	184	2.43841932849792	0.0157120178824795	0.0316361738949044	0.0604829887253011
PCPG	MTF2	cg11404133	0.160706238718428	184	2.19659643212679	0.0293127839539537	0.0258264951630245	0.0970241549978246
PCPG	MTF2	cg14474880	-0.443842355027921	184	-6.68198648978135	2.78127996303215e-10	0.196996036116731	1.01963663263017e-08
PCPG	MTF2	cg15463775	-0.527959563473455	184	-8.38669449128433	1.34612516542573e-14	0.278741300663082	9.94496306924301e-13
PCPG	MTF2	cg16813892	0.0316594740120494	184	0.427323867096827	0.669648582783716	0.0010023229471963	0.808525948201077
PCPG	MTF2	cg19708337	0.142193244198242	184	1.93798375482545	0.0541726215735217	0.0202189186956209	0.153019313848101
PCPG	MTF2	cg22801127	0.017954873923795	184	0.242263545392332	0.808848736164148	0.000322377497619375	0.896660714384775
PCPG	MTF2	cg23992808	-0.137303931080555	184	-1.87004253894012	0.0630836999873716	0.0188523694901737	0.170790436315751
PCPG	MTF2	cg26054395	-0.280292624193852	184	-3.93926107860353	0.000116345658743771	0.0785639551774757	0.00109712040959519
PCPG	NAP1L2	cg02379437	-0.0836377468495142	184	-1.13230222486463	0.258996976839721	0.00699527269806342	0.453721503732954
PCPG	NAP1L2	cg04297329	-0.0644596435899381	184	-0.871420415381617	0.384672689061646	0.00415504565174184	0.582792651226593
PCPG	NAP1L2	cg07693661	-0.195685966034977	184	-2.69199336647248	0.00776521006650242	0.0382929973030422	0.0351294924350715
PCPG	NAP1L2	cg20001978	0.0336778182606526	184	0.454596481626133	0.649941301656745	0.00113419544279755	0.795259629164021
PCPG	NAP1L2	cg23483095	-0.0815058381955033	184	-1.10324451723679	0.271377606359565	0.00664320165995157	0.467649067631047
PCPG	NCOA1	cg11380327	0.0390340962022997	184	0.527000385810977	0.598835076696543	0.00152366066633039	0.759232972449532
PCPG	NCOA1	cg13911252	-0.0212938797002721	184	-0.287335293247794	0.774182492062138	0.000453429312689659	0.874923752864211
PCPG	NCOA1	cg15477048	0.0841742729868587	184	1.13961747375007	0.255943324563363	0.00708530823286621	0.450191592289326
PCPG	NCOA1	cg23006163	-0.0669911582617373	184	-0.905794940881723	0.366241975865296	0.00448781528524914	0.565137920667755
PCPG	NCOA3	cg04175879	-0.0471483239396605	184	-0.636773821370779	0.525072282192597	0.00222296445031917	0.704115528776315
PCPG	NCOA3	cg09568061	-0.0439557976710431	184	-0.593569829748885	0.553536834027702	0.00193211214889767	0.725459827931384
PCPG	NCOA3	cg12128876	0.015781389047829	184	0.212929094912705	0.831620579895851	0.000249052240278937	0.909713206794132
PCPG	NCOA3	cg14341558	0.0999286634029286	184	1.35489314960055	0.177130986083539	0.0099857377694958	0.353335417097434

PCPG	NCOA3	cg14774045	0.0205175377879501	184	0.276854997610233	0.782205624923505	0.00042096935687996	0.879755152459218
PCPG	NCOA3	cg18295930	-0.0270782652134702	184	-0.365439770378972	0.715207514707276	0.00073323244697103	0.838086000469028
PCPG	NCOA3	cg21735648	-0.0182357865082308	184	-0.246055125510203	0.805916833590612	0.000332543909573772	0.894678551177979
PCPG	NCOA3	cg22511723	-0.0607956397819826	184	-0.821697970028671	0.412323929764124	0.00369610981650059	0.608012885587806
PCPG	NCOA3	cg22876277	0.132563511793395	184	1.80430340419345	0.0728371197379323	0.0175730846589975	0.189812772775449
PCPG	NCOA3	cg24856420	0.0736691179635867	184	0.99655864713187	0.320301895671644	0.00542713894153285	0.519722294174034
PCPG	NCOA3	cg25373408	0.0410554956447489	184	0.554336296106566	0.580029227193014	0.00168555372263599	0.745929936194098
PCPG	NCOR1	cg00253204	-0.0261048399050887	184	-0.352293602215746	0.725025692090514	0.00068146266647031	0.844180035363175
PCPG	NCOR1	cg08125503	0.0801168856316055	184	1.08432145607083	0.279656591423356	0.00641871536330776	0.47672024001202
PCPG	NCOR1	cg08206308	0.0378707534580206	184	0.511271158779196	0.609780888918949	0.00143419396747818	0.767184100279151
PCPG	NCOR1	cg21211144	-0.0496415467171739	184	-0.670527773761723	0.503371380186882	0.00246428316047336	0.686765379089446
PCPG	NCOR1	cg22291359	0.0748917589839731	184	1.01319044036986	0.312314266633611	0.00560877556371352	0.511358492591398
PCPG	NCOR1	cg22625220	0.0861623302868965	184	1.16673233336523	0.244844951662741	0.00742394716046824	0.43780750473056
PCPG	NCOR2	cg08976554	-0.0743882321587584	184	-1.00634032740142	0.315587952659697	0.00553360908370533	0.51481157477004
PCPG	NCOR2	cg10641483	-0.0991646364554028	184	-1.34443073111422	0.180482402442837	0.00983362512333221	0.357599980022874
PCPG	NCOR2	cg13416396	-0.201640331758221	184	-2.77732404755323	0.00605488977208756	0.0406588233915653	0.0288818502011024
PCPG	NCOR2	cg13419087	-0.311314964487938	184	-4.41948698547015	1.69658230846005e-05	0.0969170071141258	0.000207521893245819
PCPG	NCOR2	cg13857025	0.0261784051546059	184	0.353287069897941	0.724282105313789	0.000685308896438698	0.843841862952819
PCPG	NCOR2	cg16181859	-0.0417010605042287	184	-0.563067857833702	0.574081673665819	0.00173897844717734	0.741345070236027
PCPG	NCOR2	cg19895345	-0.14516465068255	184	-1.97934438810539	0.049285092071755	0.0210727758077867	0.142801759940039
PCPG	NCOR2	cg23611643	-0.18529707623534	184	-2.54384717365621	0.0117953289415645	0.0343350064613656	0.0485191445425019
PCPG	NCOR2	cg24626542	-0.130065227015489	184	-1.76970874159527	0.078450180601837	0.0169169632785907	0.200103391905941
PCPG	NCOR2	cg25113767	-0.259360416924798	184	-3.62293807338387	0.00037770161995785	0.0672678258674051	0.00296378049455326
PCPG	NCOR2	cg25449924	-0.194332238309802	184	-2.67263699861798	0.00820937518548112	0.0377650188464977	0.0366529002054246
PCPG	ORC1	cg00298020	-0.184225845383545	184	-2.52862259049042	0.0123007910523929	0.0339391621072818	0.0501350520841333
PCPG	ORC1	cg02275620	0.143010468614379	184	1.94935376549136	0.0527900160281237	0.0204519941333043	0.15006199097058
PCPG	ORC1	cg04407474	-0.0791099916396613	184	-1.0706075340869	0.285763662374538	0.00625839077722728	0.483013543742853
PCPG	ORC1	cg07142859	-0.0369130851125352	184	-0.498324362001945	0.618857105121723	0.00136257585252526	0.773810107301005
PCPG	ORC1	cg08613513	0.198324287426435	184	2.72976368876992	0.00696049284524101	0.0393325229832032	0.0322671979903485
PCPG	ORC1	cg10586599	-0.00171380044271639	184	-0.0231204659621611	0.981579509729507	2.93711195745488e-06	0.990504927553699
PCPG	ORC1	cg13460942	-0.0414355777632398	184	-0.559476996728376	0.576524082507063	0.0017169071045735	0.74319646176535
PCPG	ORC1	cg16136434	-0.0312711595944754	184	-0.422077429546397	0.673466661843013	0.000977885422383153	0.811129499332963
PCPG	ORC1	cg16965475	-0.0882707989174893	184	-1.19550481850124	0.233445219946362	0.00779173394153182	0.424294132061756
PCPG	ORC1	cg17146111	-0.0301119781465038	184	-0.406417092005206	0.684913649569739	0.000906731227895523	0.818675649899328
PCPG	ORC1	cg19776520	-0.152741165860134	184	-2.08505656325855	0.0384594631762346	0.0233298637483131	0.118906107556315
PCPG	ORC1	cg21197365	0.0893780354707829	184	1.21062079790217	0.227610573942076	0.00798843322461652	0.417329399299463
PCPG	ORC1	cg23606758	0.102015124064129	184	1.38347707657471	0.168213211898695	0.0104070855378197	0.341287291199099
PCPG	ORC1	cg25605769	0.0218881772727902	184	0.295358415772931	0.768056776893971	0.000479092304325088	0.871477601926643
PCPG	PADI1	cg14524955	0.106328505333042	184	1.4426281390519	0.150844021993987	0.0113057510463587	0.316914744067741
PCPG	PADI1	cg21010178	0.0425448467412765	184	0.574481521697677	0.566351387411569	0.00181006398423871	0.735398000235461
PCPG	PADI1	cg22193702	0.0895087582592627	184	1.21240572124704	0.226928586709107	0.00801181780511513	0.416497958628988
PCPG	PADI2	cg00569276	-0.0991590405444536	184	-1.34435411081166	0.180507120114604	0.0098325153216966	0.357630185812576
PCPG	PADI2	cg01603374	-0.024553100252074	184	-0.331339321660463	0.740769393724627	0.000602854731988395	0.854195040546271
PCPG	PADI2	cg07014827	0.0424007719223456	184	0.572532574826513	0.567667805598999	0.00179782545961078	0.736338234381041
PCPG	PADI2	cg09313801	0.0826887543980933	184	1.11936564099579	0.264459286698604	0.0068374301039082	0.46004798187458
PCPG	PADI2	cg10233913	0.00172046238620613	184	0.0232103408909423	0.981507917663395	2.95999082235008e-06	0.990504927553699
PCPG	PADI2	cg15185794	0.0349159459754495	184	0.471329255779939	0.637970117500389	0.00121912328336051	0.787057111244018
PCPG	PADI2	cg17183414	-0.00720311493880803	184	-0.0971778543398751	0.92269208582121	5.18848648216794e-05	0.959360441895668
PCPG	PADI2	cg18228326	-0.0440403531063523	184	-0.594713865317655	0.552773380630435	0.0019395527017322	0.72492333736959
PCPG	PADI2	cg18879300	-0.0573637053433572	184	-0.775155105983418	0.43925398250285	0.00329059469071951	0.631994753275014
PCPG	PADI2	cg19282714	0.0217415209175187	184	0.293378500208789	0.769567117199762	0.000472693731806905	0.872262028344698
PCPG	PADI3	cg01459162	-0.11091100306537	184	-1.50556002513855	0.133913710374567	0.0123012506009665	0.292073656635613
PCPG	PADI3	cg12858514	-0.0473780388766939	184	-0.639883258329992	0.52305317715824	0.00224467856780151	0.702578999627156
PCPG	PADI3	cg14664242	-0.00640528616063043	184	-0.0864138073081334	0.931232466039217	4.10276907995637e-05	0.963662584642104
PCPG	PADI3	cg17589397	-0.0462261770585095	184	-0.624292592718937	0.533217220368346	0.00213685944544467	0.710317141705797
PCPG	PADI3	cg18768338	0.00309468591121539	184	0.0417497953899009	0.96674392325873	9.57708088907506e-06	0.982505640608126
PCPG	PADI3	cg21966975	0.000297659676142825	184	0.00401564875189532	0.996800382594285	8.86012828014517e-08	0.998356725052439

PCPG	PADI4	cg16091981	-0.0354370477034187	184	-0.47837237120923	0.632959329993429	0.00125578434993437	0.783701112186213
PCPG	PADI4	cg18333690	-0.0930824381829283	184	-1.26122647968837	0.20884149128866	0.00866434029807867	0.394067502020714
PCPG	PADI4	cg19159961	-0.0325197001920303	184	-0.43894690227779	0.661220667724703	0.00105753090057953	0.802883854460694
PCPG	PADI4	cg21295838	-0.0564895471426461	184	-0.763304507355451	0.446270105353293	0.00319106893638124	0.638123888420835
PCPG	PADI4	cg23228178	0.108334072837746	184	1.47015910098125	0.143245304501373	0.011736271337614	0.306047038662174
PCPG	PADI4	cg26918754	-0.0457834691213341	184	-0.618301125134721	0.537149859172261	0.00209612604478415	0.713131403278169
PCPG	PADI6	cg12643633	0.17926835162575	184	2.45828599593667	0.0148958705260719	0.0321371418946137	0.0580630114602414
PCPG	PADI6	cg16017904	0.054496673539461	184	0.736294489657317	0.462499453870041	0.00296988742686659	0.65194757038425
PCPG	PARP1	cg00653565	-0.19724526392574	184	-2.71430893308094	0.0072801664036524	0.0389056941411347	0.0334112008262483
PCPG	PARP1	cg02088626	0.00625782244599588	184	0.0844242933945083	0.932811884993647	3.91603417656098e-05	0.964334319070271
PCPG	PARP1	cg03149313	0.0370828193234167	184	0.50061891142782	0.617244201705048	0.00137513548897316	0.772637823058546
PCPG	PARP1	cg04960271	0.0509101756734693	184	0.687707613641474	0.492512416442784	0.00259184598710351	0.677969205893361
PCPG	PARP1	cg07113065	-0.165809069938617	184	-2.26828452853838	0.0244864443267642	0.0274926476739091	0.0848809575775909
PCPG	PARP1	cg17661881	0.0422840734473853	184	0.570953982886829	0.568735148621333	0.00178794286730387	0.737120473016143
PCPG	PARP1	cg25722198	-0.0620363850746462	184	-0.838531695947363	0.402832098205589	0.00384851307312979	0.599367318500634
PCPG	PARP1	cg26464410	0.025504849983814	184	0.344191203669435	0.731099850851376	0.000650497372696856	0.84806026950991
PCPG	PARP2	cg01813761	-0.316322892911103	184	-4.4984156527452	1.21752310100204e-05	0.100060172579649	0.000155706053130615
PCPG	PARP2	cg10910545	-0.169435586245916	184	-2.31934583818109	0.0214865585348724	0.0287084178864973	0.0769508026269158
PCPG	PARP2	cg15078479	-0.336461034446554	184	-4.82013390859746	3.01566407115051e-06	0.113206027700845	4.53509705685449e-05
PCPG	PARP2	cg15365367	-0.213105030611017	184	-2.94253616766135	0.00367915344381768	0.0454137540717224	0.0193926460470461
PCPG	PARP2	cg18899035	-0.0962140554033595	179	-1.28601098711857	0.200118999117774	0.00925714445716072	0.383053427916149
PCPG	PARP2	cg19540080	-0.186290865543547	184	-2.55797953560401	0.0113428367836367	0.0347042865849638	0.0470415100088618
PCPG	PARP2	cg24595957	-0.0362641699360673	184	-0.489552408201781	0.625040184839339	0.00131509002115197	0.778052262411257
PCPG	PARP2	cg26206608	-0.193433976397369	184	-2.65980190650907	0.00851640679332082	0.0374167032248979	0.0376991777671332
PCPG	PARP2	cg26430074	-0.203723625936357	184	-2.80725448173791	0.00554126968484961	0.0415033157646569	0.0269270468047498
PCPG	PAXIP1	cg02824291	0.119530668780096	184	1.6242015822067	0.106063407939494	0.0142875807790169	0.248384862796743
PCPG	PAXIP1	cg12220104	0.129467279310466	184	1.76143385328434	0.0798441444732565	0.0167617764120543	0.202779094482199
PCPG	PAXIP1	cg22583711	0.0378390155746272	184	0.510842069331167	0.610080740491229	0.00143179109965688	0.767387603695808
PCPG	PAXIP1	cg24448952	-0.168718614681213	184	-2.30924326892874	0.0220531079414207	0.0284659709399476	0.0784058991451435
PCPG	PAXIP1	cg24452135	0.0827114701998146	184	1.11967526489814	0.264327623541545	0.00684118730261481	0.459887254189098
PCPG	PCGF1	cg03203239	-0.0369823675751282	184	-0.499260950722743	0.618198526366552	0.00136769551146189	0.773309795146479
PCPG	PCGF1	cg08092637	0.0178180356966684	184	0.24041661052642	0.810277892768972	0.000317482396087749	0.897557170984797
PCPG	PCGF1	cg27306986	0.0780743043196334	184	1.05650488600186	0.292137968616918	0.00609559699499472	0.489867880355664
PCPG	PCGF2	cg09395368	-0.0760314239065668	184	-1.02869763201821	0.304986964248889	0.00578077742126006	0.503472804175662
PCPG	PCGF2	cg17902383	0.0540221025853353	184	0.729863799477907	0.466411792510251	0.00291838756774049	0.655693153261853
PCPG	PCGF2	cg20228512	-0.0484864734880239	184	-0.654888543382551	0.513366333148383	0.00235093811130484	0.695024808495245
PCPG	PCGF2	cg25377665	-0.229828718167085	184	-3.18584038643229	0.00169859438070873	0.0528212396943253	0.0104113182518795
PCPG	PCGF5	cg03905463	0.00381804532746268	184	0.0515086229513977	0.958976719641242	1.45774701225596e-05	0.978497874239537
PCPG	PCGF5	cg06001881	0.111921013685441	184	1.5194435261016	0.130386175997782	0.0125263133043766	0.286795415091861
PCPG	PCGF5	cg07421809	0.00416641157189316	184	0.0562084529597977	0.955237405849829	1.73589853864052e-05	0.97616765297903
PCPG	PCGF5	cg07424295	0.0263837609966385	184	0.356060344419987	0.722207765280274	0.000696102844327744	0.842595583200313
PCPG	PCGF5	cg08633154	0.0817262112474942	184	1.10624746700674	0.270079516880175	0.00667917360487005	0.466145274026054
PCPG	PCGF5	cg11113644	0.00310479240551443	184	0.0418861414172677	0.96663537967028	9.63973588134005e-06	0.982446666223378
PCPG	PCGF5	cg12783297	-0.0178942863355774	184	-0.241445780060942	0.809481443268604	0.00032020548345963	0.897022868260702
PCPG	PCGF5	cg15550435	-0.0470796390292909	184	-0.635844117454644	0.525676763275066	0.00221649241112833	0.704543072879547
PCPG	PCGF5	cg17001035	0.0498468477391459	184	0.673307748107423	0.501605621305006	0.00248470822952959	0.685412557152421
PCPG	PCGF5	cg20515900	0.0695594593878984	184	0.940686936677123	0.348112171176203	0.00483851839033669	0.547334941680778
PCPG	PCGF5	cg22968329	0.0918856015031847	184	1.24487087500344	0.214779766105776	0.00844296376360207	0.401696769429805
PCPG	PCGF5	cg23395902	-0.06240227936253	184	-0.843496682948509	0.400057963098553	0.00389404446963924	0.596682654836067
PCPG	PCGF5	cg25390656	-0.0763914383630371	184	-1.03359711625521	0.302696013421804	0.0058356518551737	0.501051847312292
PCPG	PCGF6	cg01917164	0.0272509037970042	184	0.3677771372520347	0.713471058522611	0.00074261175775358	0.836996780822886
PCPG	PCGF6	cg06691148	-0.0453818599053975	184	-0.612866190398442	0.540729874802074	0.00205951320847312	0.715929232896563
PCPG	PCGF6	cg11612727	0.192718160701841	184	2.64957873021812	0.00876832314295333	0.0371402894643006	0.0385283944612291
PCPG	PCGF6	cg11814370	0.0294022843643146	184	0.396830067876913	0.691957707186633	0.000864494325840016	0.823111902614163
PCPG	PCGF6	cg14409890	-0.0180722640675437	184	-0.243847996158801	0.80762320148059	0.00032660672852703	0.895869720037944
PCPG	PCGF6	cg16113748	0.0264634530065935	184	0.357136575364244	0.721403324718966	0.000700314345032181	0.842111990044188
PCPG	PCGF6	cg16382383	0.0224854727782252	184	0.303422326565135	0.761914602908296	0.000505596486060305	0.867697037310027

PCPG	PCGF6	cg24418712	0.0443264650069417	184	0.598585056243289	0.550193873511165	0.00196483550001162	0.722829585170102
PCPG	PCGF6	cg25481680	0.0642837343482063	184	0.86903244272879	0.385973960900367	0.00413239850175075	0.584058710645461
PCPG	PCGF6	cg26155979	0.106428000424882	184	1.44399351205676	0.150460011337773	0.0113269192744387	0.316254252033468
PCPG	PCGF6	cg27217148	0.268336246293136	184	3.75787268131175	0.00023063195460327	0.0720043410746905	0.00195572076263426
PCPG	PHC1	cg02770112	0.0251028491457797	184	0.338762702908179	0.735179015003252	0.000630153035235771	0.850661376008255
PCPG	PHC1	cg08021945	-0.283465744739186	184	-3.98772920132598	9.65124811493849e-05	0.0803528284405411	0.000934772405196122
PCPG	PHC1	cg08867249	0.00378769417333318	184	0.0510991546137953	0.959302548195418	1.43466271507021e-05	0.978701967611529
PCPG	PHC1	cg09059548	-0.202557719647475	184	-2.79049917708013	0.00582369252639664	0.0410296297887852	0.0280126344152909
PCPG	PHC1	cg09912793	-0.323304684218851	184	-4.60915359691207	7.58967157506658e-06	0.104525918837851	0.000102665781692007
PCPG	PHC1	cg12581035	0.0158758333546276	184	0.214203697259222	0.830628010676007	0.000252042084703905	0.909150551706356
PCPG	PHC1	cg14199415	0.0184856288922249	184	0.249427388691192	0.803311482637166	0.000341718475541062	0.892831006661652
PCPG	PHC2	cg06899053	-0.334639282744898	184	-4.7907342964084	3.43556588961216e-06	0.11198344955602	5.10245156197954e-05
PCPG	PHC2	cg13640100	0.159876945859966	184	2.18496320539944	0.0301692375576665	0.0255606378175104	0.0991220436847956
PCPG	PHC2	cg15586632	-0.059582434882996	184	-0.805241593818369	0.421731015088869	0.00355006654658645	0.616864109923844
PCPG	PHC2	cg16558908	-0.0366449096043993	184	-0.494699123294606	0.621409161346962	0.0013428493999146	0.775692050798697
PCPG	PHC2	cg17161743	0.0595760369181902	184	0.805154818929169	0.42178095289097	0.00354930417487756	0.616875974794863
PCPG	PHC2	cg19746874	0.0853697335525729	184	1.15592054335216	0.2492288098492	0.00728799140683728	0.4427003843595
PCPG	PHC2	cg21198021	0.0559223553156486	184	0.755616267764367	0.450856112535684	0.00312730982404965	0.641556620058551
PCPG	PHC2	cg21578869	-0.0675570047635175	184	-0.913480745417108	0.362198281296658	0.00456394889261792	0.561124227724629
PCPG	PHC2	cg23886755	-0.0452157671171872	184	-0.610618561581404	0.542213904853415	0.00204446559599571	0.716905634953331
PCPG	PHF1	cg01097444	-0.0326841511125948	184	-0.441169008321778	0.65961428559736	0.00106825373395093	0.801894543510197
PCPG	PHF1	cg02776641	-0.021914040079606	184	-0.295707575298268	0.76779051919149	0.000480225152610579	0.871313506987396
PCPG	PHF1	cg03560363	-0.173611715461913	184	-2.37826600691867	0.0184301168591178	0.0301410277456283	0.0683585635042535
PCPG	PHF1	cg03876174	-0.0865105088614171	184	-1.17148253192546	0.242936240636911	0.00748406814346132	0.435480480761967
PCPG	PHF1	cg06618123	-0.0593086660085798	184	-0.801528585748848	0.423870926071747	0.00351751786371727	0.61891861893331
PCPG	PHF1	cg06919790	-0.134474586800434	184	-1.83079035003112	0.0687671632604762	0.0180834144951475	0.181957893019441
PCPG	PHF1	cg07857404	-0.0359723117793999	184	-0.485607309146175	0.627829696126435	0.00129400721475436	0.780082400115379
PCPG	PHF1	cg08665801	-0.0830693930711102	184	-1.12455410450343	0.262258981121981	0.00690052406520261	0.457653883588162
PCPG	PHF1	cg08798692	-0.00358437609393442	184	-0.0483561878463439	0.96148539872325	1.28477519827686e-05	0.979823418084945
PCPG	PHF1	cg10033570	-0.00053007112717451	184	-0.0071510514711928	0.994302167365482	2.80975399864063e-07	0.997058888261977
PCPG	PHF1	cg10797813	-0.0845323457798417	184	-1.14450016109736	0.253919200255654	0.00714571748304272	0.448003952297205
PCPG	PHF1	cg13303256	-0.002521438808282	184	-0.0340161783547013	0.972901527011055	6.35765402975217e-06	0.98572453690055
PCPG	PHF1	cg13528777	-0.00628414686281089	184	-0.0847794501430307	0.932529916333987	3.9490501793376e-05	0.964235636015819
PCPG	PHF1	cg13547657	0.0787733693030322	183	1.06309079699842	0.289157059295343	0.0062052437113519	0.486720149884811
PCPG	PHF1	cg18443095	-0.036674662026163	184	-0.495101372377438	0.621125763052986	0.00134503114107332	0.775479117293044
PCPG	PHF1	cg20135607	0.148469497968115	184	2.0254106851668	0.0442858482178716	0.0220431918269041	0.132029327671538
PCPG	PHF1	cg20872639	-0.108568907105303	184	-1.47338391492203	0.142374960024793	0.0117872075900399	0.304796497544936
PCPG	PHF1	cg23345642	-0.0109560099809546	184	-0.147813526995325	0.882653562558298	0.000120034154702777	0.937680628107672
PCPG	PHF1	cg23718418	-0.072541550919099	184	-0.981224167791872	0.327784756655978	0.00526227660974823	0.527299724131913
PCPG	PHF1	cg24796663	-0.0506975196504145	184	-0.684827584056372	0.494323935543637	0.00257023849870416	0.679472687852175
PCPG	PHF1	cg26673053	-0.12540471854064	184	-1.70526406764303	0.0898513312100083	0.0157263434322571	0.220572368009279
PCPG	PHF10	cg04353997	-0.127805414063027	184	-1.73844583910981	0.0838234363742252	0.0163342238638218	0.209866130577255
PCPG	PHF10	cg05243705	-0.131671187109451	184	-1.79194307692541	0.0748033236083046	0.0173373015148121	0.193517001655564
PCPG	PHF10	cg05736120	-0.126054773560501	184	-1.71424592325364	0.0881859337596096	0.0158898059373891	0.217767721515255
PCPG	PHF10	cg07652237	-0.182162079487047	184	-2.49931810639339	0.0133284607994455	0.0331830232030453	0.0533371542917727
PCPG	PHF10	cg11442717	-0.053631800631011	184	-0.724575371227773	0.469643026383641	0.00287637003892452	0.658419590290554
PCPG	PHF10	cg15342139	-0.0249280215299136	184	-0.336401933806564	0.736955339278805	0.000621406257395834	0.851690638854552
PCPG	PHF10	cg15360169	-0.245093545838308	184	-3.41051535170542	0.000798692768277385	0.060070846211595	0.0055605427971515
PCPG	PHF10	cg16740543	0.0712873499568722	184	0.964171956427174	0.336239067615451	0.00508188626387357	0.535770390931884
PCPG	PHF10	cg27124293	-0.289875450371984	184	-4.08607165585162	6.57113100556706e-05	0.0840277767283608	0.000673709008321409
PCPG	PHF11	cg00092518	-0.334258621480449	184	-4.78459880447445	3.53006539948588e-06	0.11172882603401	5.22882535581883e-05
PCPG	PHF11	cg01214340	-0.345919280771021	184	-4.97376523378947	1.51217804904559e-06	0.11966014880914	2.4615689296391e-05
PCPG	PHF11	cg02289189	-0.314180072012406	184	-4.46459265117052	1.40427527084947e-05	0.0987091176497205	0.00017608670280539
PCPG	PHF11	cg05080330	-0.271103542899168	184	-3.79968419955123	0.0001974005229977	0.073497130972481	0.00171735364416049
PCPG	PHF11	cg09997676	-0.340588469144422	184	-4.88696947281179	2.237556165372e-06	0.116000505314141	3.4869480033844e-05
PCPG	PHF11	cg16956501	-0.268178244486995	184	-3.75548844623515	0.000232678224161939	0.0719195708161267	0.00196998866829349
PCPG	PHF11	cg21320768	-0.257191007461323	184	-3.59047795309125	0.00042442793189508	0.0661472143189705	0.00326457845895253

PCPG	PHF11	cg23137039	-0.257172572287946	184	-3.59020236402391	0.000424846998025964	0.0661377319371986	0.00326715572997547
PCPG	PHF11	cg24481868	-0.342489142386719	184	-4.91785417271259	1.94742482270467e-06	0.11729881265279	3.08738468835311e-05
PCPG	PHF11	cg24984523	-0.16861299061216	184	-2.30775528028644	0.022137651516568	0.0284303406031763	0.0786094788241689
PCPG	PHF11	cg25162948	-0.305814269667198	184	-4.33326145873716	2.42593115885269e-05	0.0935223675320815	0.000283410254650528
PCPG	PHF12	cg01406758	-0.112799058534999	184	-1.53151691255166	0.127378026890749	0.0127236276063821	0.282186075405483
PCPG	PHF12	cg02058367	-0.131776542632882	184	-1.79340221199639	0.0745689616859244	0.0173650571882757	0.193064792005685
PCPG	PHF12	cg06895197	0.31555116609093	184	4.48622568493189	1.28189410034971e-05	0.099572538421346	0.000162548768773603
PCPG	PHF12	cg08657247	-0.0151373123259234	184	-0.204236908583579	0.838396574475843	0.000229138224452552	0.913535954553553
PCPG	PHF12	cg08806622	-0.196621760531551	184	-2.7053832338615	0.00747078437441919	0.0386601167145265	0.0340689489198409
PCPG	PHF12	cg13564075	-0.13835004858881	184	-1.88456734188652	0.0610823295611792	0.0191407359445262	0.166774459338676
PCPG	PHF14	cg06715026	-0.220407425159872	184	-3.04842593213587	0.00264327839686891	0.0485794330656044	0.0148803241628208
PCPG	PHF14	cg07287563	-0.276562300869057	184	-3.88246096532135	0.000144520341996811	0.0764867062619869	0.00131857782935027
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PCPG	PHF14	cg11931558	-0.13805860618924	184	-1.88052017026692	0.0616345867270644	0.0190601787429157	0.1679272468355
PCPG	PHF14	cg13029706	-0.0633872582059638	184	-0.856864013957834	0.392646873909009	0.00401794450286953	0.589508351735245
PCPG	PHF14	cg16800461	-0.152700725685799	184	-2.0844913364777	0.0385114329923698	0.0233175116249697	0.119052589636734
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PCPG	PHF14	cg20964328	-0.134941858179613	184	-1.83726974896272	0.0678007561276145	0.0182093050889667	0.180158213689642
PCPG	PHF14	cg22876561	-0.0803448385498489	184	-1.08742664287825	0.278286304101889	0.00645529308160128	0.475175696692326
PCPG	PHF14	cg23083824	-0.194341855587235	184	-2.67277445578597	0.0082061417951302	0.0377687568330898	0.0366405667686598
PCPG	PHF14	cg24491907	-0.00644822259650172	184	-0.0869930873852933	0.930772642970649	4.15795746540354e-05	0.963372900695398
PCPG	PHF19	cg11054680	-0.118853760251272	184	-1.61487146779284	0.108070816705417	0.0141262163258667	0.251812415454554
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PCPG	PHF19	cg13793166	-0.116748296394309	155	-1.47292450309265	0.142773372920814	0.0136301647109733	0.305378485250379
PCPG	PHF19	cg13851767	0.0375131901880336	184	0.506437068546153	0.613162804072804	0.00140723943808358	0.7696994594873
PCPG	PHF19	cg13852822	0.0719475071979675	184	0.973146926085722	0.331771884932865	0.00517644379200158	0.53149362691187
PCPG	PHF19	cg14218513	-0.0857981083692559	184	-1.16176371644464	0.24685275543386	0.00736131539974257	0.440047279015163
PCPG	PHF19	cg27207079	0.047409673601007	184	0.640311476062776	0.522775430224071	0.00224767715095402	0.702475598021312
PCPG	PHF20	cg01512265	-0.0411735704533437	184	-0.555933259926268	0.578939272370298	0.00169526290387646	0.745058992237651
PCPG	PHF20	cg02674305	-0.00835842732212299	184	-0.112765288590916	0.910340920255389	6.98633072992121e-05	0.952445182574779
PCPG	PHF20	cg02957488	0.0603282579390445	184	0.815357794808133	0.415933269257484	0.00363949870595989	0.611503812764424
PCPG	PHF20	cg04179482	0.0974522868695255	184	1.32099088209046	0.188162873833742	0.00949694821610029	0.367633779985963
PCPG	PHF20	cg09692677	0.067895447395729	184	0.918078181482828	0.359792987346831	0.0046097917770662	0.558643906705375
PCPG	PHF20	cg10372813	-0.0973701565377812	184	-1.31986692357599	0.188537175862265	0.00948094738419202	0.368158363890385
PCPG	PHF20	cg21765224	0.0192637758768775	184	0.259930778561226	0.79521098365464	0.000371093061034566	0.887874320235795
PCPG	PHF20	cg23538717	-0.109963786757338	184	-1.49254398083824	0.137288025228065	0.0120920343980132	0.297203914768181
PCPG	PHF20	cg23734815	0.0294098723453546	184	0.396932568259819	0.691882251489812	0.000864940591370056	0.823102028878126
PCPG	PHF20	cg25561939	-0.08312484305171	184	-1.12530998125096	0.261939498659466	0.00690973953237142	0.457303003337701
PCPG	PHF20	cg27405321	-0.0250965817854078	184	-0.338678071630772	0.73524266989409	0.000629838417311664	0.850716299042538
PCPG	PHF20L1	cg02898212	0.113690253525482	184	1.54377483380241	0.124379869792859	0.0129254737466884	0.277447497827705
PCPG	PHF20L1	cg05307234	-0.0418728640123526	184	-0.565391697885765	0.572503696924769	0.00175333674059697	0.740081300762151
PCPG	PHF20L1	cg10591701	-0.271037029500309	184	-3.79867805123474	0.000198143984312618	0.0734610713603512	0.0017232435009073
PCPG	PHF20L1	cg17646969	-0.0971481626258314	184	-1.31682905974656	0.189551619379075	0.00943776550157499	0.369490056828679
PCPG	PHF20L1	cg24511731	-0.172255431516488	184	-2.3591161417721	0.0193785361105556	0.0296719336869315	0.0710464130347596
PCPG	PHF20L1	cg26292018	0.169617593560491	184	2.32191103557433	0.0213447529278703	0.0287701280452519	0.0765310277582496
PCPG	PHF20L1	cg27342122	-0.0930001809308474	184	-1.26010220154378	0.209245807176676	0.00864903365317035	0.394642277740972
PCPG	PHF21B	cg01775414	-0.0560652547352988	184	-0.757553188453176	0.449698218108114	0.00314331278853394	0.640893693978357
PCPG	PHF21B	cg01995480	-0.126486435042371	184	-1.72021145907228	0.0870937484165509	0.0159988182497279	0.215735519243496
PCPG	PHF21B	cg05064352	-0.0198243220447816	184	-0.26749729495988	0.789389188558935	0.000393003744535214	0.884089525557562
PCPG	PHF21B	cg10080155	-0.0126860570653702	184	-0.17115803988418	0.864289641828065	0.00016093604386583	0.927925425362929
PCPG	PHF21B	cg11428482	-0.115620949155343	184	-1.5703435338725	0.118072110838565	0.0133682038835824	0.267738414626034
PCPG	PHF21B	cg14786713	-0.0413509860778802	184	-0.558332853190273	0.577303335463959	0.00170990404961304	0.743887759082425
PCPG	PHF21B	cg15679813	-0.15486065241584	184	-2.11469542311814	0.0358172471844809	0.0239818216666596	0.112780981440521
PCPG	PHF21B	cg20495645	-0.191606234801926	184	-2.63370707043569	0.0091727463505579	0.0367129492149707	0.0399029597715876
PCPG	PHF21B	cg20525183	-0.104692951702272	184	-1.4201896560515	0.157263232489664	0.0109606141361342	0.32594443842009
PCPG	PHF21B	cg21715212	0.147253033311957	184	2.00844639396061	0.0460742581408085	0.0216834558195724	0.135897662096912

PCPG	PHF21B	cg23080354	-0.136800275349958	184	-1.86305181619117	0.0640662612712559	0.0187143153358244	0.172718697301638
PCPG	PHF21B	cg25561581	-0.177064231946156	184	-2.42707659961845	0.016195568051415	0.0313517422346823	0.0618949298964505
PCPG	PHF21B	cg25976257	-0.126566814467053	184	-1.72132240747709	0.0868915740839183	0.0160191585243374	0.215386799731064
PCPG	PHF23	cg00039960	-0.0147505700599605	184	-0.199017721834832	0.842471039021148	0.000217579317093803	0.915761122423585
PCPG	PHF23	cg01441172	0.155127818059644	184	2.11843357613831	0.0354953519334588	0.0240646399359462	0.112016770447913
PCPG	PHF23	cg04379155	-0.405602275621041	184	-5.98640757950721	1.11801569138858e-08	0.164513205988967	3.03048476292277e-07
PCPG	PHF23	cg11180288	0.204704546856493	184	2.82136099987461	0.00531321930581931	0.0419039515037222	0.0260303912511435
PCPG	PHF23	cg13351208	0.0495853867108101	184	0.669767327830527	0.50385496924009	0.00245871057526059	0.687151096223535
PCPG	PHF23	cg22033559	-0.329276753722568	184	-4.70454233732833	5.01844353916095e-06	0.108423180542073	7.1463444386873e-05
PCPG	PHF23	cg26213471	-0.418117469180469	184	-6.20955165224692	3.51013914466559e-09	0.17482221803388	1.0466376566505e-07
PCPG	PHF23	cg26784276	0.0970996577664851	184	1.31616532401877	0.189773801618178	0.00942834353836852	0.36978724845633
PCPG	PHIP	cg01492710	0.17054404719407	184	2.33497220145644	0.020635395943795	0.0290852720333332	0.0745927230171271
PCPG	PHIP	cg04480383	-0.199354528823615	184	-2.74452938328322	0.00666700237103924	0.0397422281624856	0.0311694723763387
PCPG	PHIP	cg05801338	-0.0711647384542471	184	-0.962505169128733	0.33707296776372	0.0050644199992614	0.536659212670233
PCPG	PHIP	cg06848288	0.217582911787145	184	3.00740586739415	0.00300765768174052	0.0473423235017724	0.0164970543392316
PCPG	PHIP	cg08287994	-0.218857026548742	184	-3.02589978533367	0.00283800627924903	0.0478983980697568	0.0157452475030594
PCPG	PHIP	cg08587415	-0.118755020604718	184	-1.61351068899832	0.108366110700936	0.014102754918827	0.252288888698747
PCPG	PHIP	cg15564972	-0.0406279282060922	184	-0.548553633286723	0.583984085283017	0.00165062855031938	0.748752841758597
PCPG	PHIP	cg19494004	-0.115639669768091	184	-1.57060123986762	0.118012190650369	0.0133725332240731	0.267672761078047
PCPG	PHIP	cg19950079	0.0260407943610471	184	0.351428698807083	0.725673264576137	0.000678122970954344	0.844610596572497
PCPG	PHIP	cg21607066	0.0522477357170781	184	0.705824538250518	0.481199734916269	0.00272982588756164	0.668448487162534
PCPG	PHIP	cg21875336	-0.207045660093318	184	-2.8550642499741	0.00480255854966895	0.0428679053634776	0.0240124840807858
PCPG	PHIP	cg26363168	-0.0258017758131939	184	-0.348200909638302	0.728091725541247	0.000665731635114318	0.846262086279239
PCPG	PHRF1	cg06063517	-0.113366110926245	184	-1.53931598659054	0.125463968785797	0.0128518751065417	0.279135378821608
PCPG	PHRF1	cg07530960	-0.364658757704776	184	-5.28331840669956	3.59767931782089e-07	0.132976009570791	6.85471136053289e-06
PCPG	PHRF1	cg08482978	-0.476392370579036	184	-7.30965050340049	8.1761221969627e-12	0.226949690745914	3.95555503849824e-10
PCPG	PHRF1	cg12469954	-0.483765717125881	184	-7.45700947124582	3.48793673026683e-12	0.234029269066318	1.80625418440408e-10
PCPG	PHRF1	cg12813709	-0.299521481398331	184	-4.23520587954313	3.6205495069936e-05	0.0897131178190508	0.00040162131519615
PCPG	PHRF1	cg15219216	0.285915578923464	184	4.02524672819564	8.34161364828355e-05	0.0817477182711394	0.000822468304378417
PCPG	PHRF1	cg16143007	-0.297232921431959	184	-4.19969662175072	4.17858278584598e-05	0.0883474095829774	0.000454768703472443
PCPG	PHRF1	cg18793109	-0.328620172391466	184	-4.69402445653578	5.25419884575994e-06	0.107991217702597	7.43172990921907e-05
PCPG	PHRF1	cg20152424	0.0389328291789597	184	0.525631098780182	0.599784373185556	0.00151576518787806	0.759978264505784
PCPG	PHRF1	cg21006161	-0.239360758560716	184	-3.32583280293849	0.00106629958765552	0.0572935727387612	0.007082625522718
PCPG	PPARGC	cg04893087	-0.0355391182596784	184	-0.479751983712048	0.631979788287284	0.00126302892667541	0.78300714536019
PCPG	PPARGC	cg05158538	-0.0284866941647594	184	-0.384462540769589	0.70108450143086	0.000811491744436539	0.828730465480668
PCPG	PPARGC	cg11270806	-0.004416127339474	184	-0.0595773959300602	0.952557588596877	1.95021806784497e-05	0.974978817805479
PCPG	PPARGC	cg12691631	-0.018306561750102	184	-0.247010414049211	0.805178572645715	0.000335130203110296	0.894188153042557
PCPG	PPARGC	cg20723350	0.00664688310710593	184	0.089673336564636	0.928645410624793	4.41810550395302e-05	0.962262321920154
PCPG	PPARGC	cg27461259	0.118660904002217	184	1.61221366780502	0.108648167961194	0.0140804101386234	0.252748888441528
PCPG	PPARGC	cg27514608	-0.0394391361877509	184	-0.532477316903462	0.595044928419448	0.00155544546323597	0.756497087414685
PCPG	PRDM1	cg00555933	-0.042653260146078	184	-0.575948088704056	0.565361767893148	0.00181930060108901	0.734768174203608
PCPG	PRDM1	cg01761420	0.208305488371683	184	2.87322221461219	0.00454638874425495	0.0433911764857656	0.0229708232753504
PCPG	PRDM1	cg05170275	0.0230676691954431	184	0.311282701796601	0.755941974798866	0.000532117362110395	0.86387685165289
PCPG	PRDM1	cg08742502	-0.0178671931728225	184	-0.241080097952148	0.809764413099572	0.000319236591874954	0.897221414773584
PCPG	PRDM1	cg14359052	0.034925326487655	184	0.471456037643975	0.63787977073719	0.00121977843026929	0.787008054886031
PCPG	PRDM1	cg17143179	-0.218730824321597	184	-3.02406722249598	0.00285441508564218	0.0478431735084052	0.0158238699616937
PCPG	PRDM1	cg17521665	0.0795974643168978	184	1.07724651001244	0.28279594110965	0.00633575632567982	0.480041620866354
PCPG	PRDM1	cg17965230	0.105511730284355	184	1.43142117257075	0.154024491359692	0.0111327252275984	0.321453555488554
PCPG	PRDM1	cg19464016	-0.062070541355922	184	-0.838995163761802	0.402572649500819	0.00385275210421722	0.59911276624991
PCPG	PRDM1	cg22186515	0.0234349348589621	184	0.31624140720503	0.752181676039474	0.000549196171843798	0.861201855971137
PCPG	PRDM1	cg22196848	0.156932155078707	184	2.14369218243183	0.0333848552064451	0.0246277012976475	0.106878247980666
PCPG	PRDM1	cg24040346	0.00514884940581971	184	0.0694626968432485	0.944697585360105	2.651065020381e-05	0.970432239842389
PCPG	PRDM1	cg24793124	-0.284036727701295	184	-3.99646578680894	9.32984682528039e-05	0.0806768626832595	0.000907711485650153
PCPG	PRDM1	cg24874254	0.00779759701538413	184	0.105198533174922	0.916334123652879	6.08025192143274e-05	0.955848867165278
PCPG	PRDM1	cg26351406	0.0539217823061949	184	0.728504469714146	0.467241154117547	0.00290755860707667	0.656336258706424
PCPG	PRDM10	cg04181189	-0.0735519957975795	184	-0.994965652786099	0.32107395673094	0.00540989608580715	0.520508208263212
PCPG	PRDM10	cg17627813	-0.0550469901634957	184	-0.743752201095411	0.457985496623468	0.00303017112606	0.64803877342851

PCPG	PRDM12	cg09191327	-0.0434577967020365	184	-0.586832132006709	0.558043663437622	0.00188858009419553	0.72916755552793
PCPG	PRDM12	cg12539975	-0.0841544097303803	184	-1.13934663104531	0.256055932701872	0.00708196467706872	0.450303264956358
PCPG	PRDM12	cg13795948	0.00188890604269095	184	0.0254827811644363	0.979697801411775	3.5679660381144e-06	0.989577217795738
PCPG	PRDM12	cg13928649	-0.0205057911070171	184	-0.276696426157786	0.78232720043646	0.000420487468924622	0.879790132860442
PCPG	PRDM12	cg23342516	-0.0511559457642577	184	-0.691036228425627	0.490423218971863	0.00261693078703567	0.67624742352192
PCPG	PRDM13	cg00126261	0.0356431953640784	184	0.481158732726812	0.630981649518856	0.00127043737576186	0.782248219568487
PCPG	PRDM13	cg00579292	0.130636804774199	184	1.77762053704099	0.0771361186725937	0.0170659747616122	0.197821824224163
PCPG	PRDM13	cg01422797	0.0157439228952065	184	0.212423460445874	0.832014407000572	0.000247871108130207	0.90992547450835
PCPG	PRDM13	cg01815538	-0.0546818926399168	184	-0.738804443034853	0.460977457419564	0.00299010938268339	0.650621682505384
PCPG	PRDM13	cg02400433	0.012678413627215	184	0.17105489938341	0.86437062239493	0.00016074217210275	0.927979230804612
PCPG	PRDM13	cg03120185	0.018856366886595	184	0.254431534277837	0.799449434281747	0.000355562572239735	0.890500777158719
PCPG	PRDM13	cg04910970	0.03696379962745	184	0.499009940890441	0.618374998018236	0.00136632248289827	0.773480795508098
PCPG	PRDM13	cg11809464	0.164097015469588	184	2.24421184640926	0.0260234463505783	0.0269278304860261	0.0888080358570314
PCPG	PRDM13	cg13738144	0.0224138077074105	184	0.302454780548896	0.762650780661949	0.000502378775944776	0.867990179793534
PCPG	PRDM13	cg14344102	0.0838470150669305	184	1.13515536752228	0.257802956909936	0.00703032193563407	0.452295749662442
PCPG	PRDM13	cg17879189	0.115716798970978	184	1.57166301029475	0.117765568083883	0.0133903775640897	0.26730042024618
PCPG	PRDM13	cg17978124	0.0641541181373701	184	0.867272951270233	0.386934488181738	0.00411575087398364	0.584863729644434
PCPG	PRDM13	cg25273233	0.0581148273821274	184	0.785339182406188	0.433275874116868	0.00337733316165447	0.626850951786174
PCPG	PRDM13	cg25924096	0.144234834816146	184	1.96639594902188	0.0507734285767203	0.020803687574441	0.145950859206199
PCPG	PRDM13	cg26507427	0.0260570943411084	184	0.351648821567996	0.725508434969953	0.000678972165501423	0.844533765502881
PCPG	PRDM14	cg00384539	-0.010360219017214	184	-0.139774497347737	0.888992722067696	0.000107334138084644	0.941131349876816
PCPG	PRDM14	cg01295203	-0.0709221316268453	184	-0.959207288147419	0.33872685715394	0.00502994875449557	0.538070306606367
PCPG	PRDM14	cg04838988	-0.0111387079971587	184	-0.150278709273357	0.880711146071585	0.000124070815845967	0.936738516925771
PCPG	PRDM14	cg09050331	0.0311095887398308	184	0.419894534907213	0.675057766518242	0.000967806511561405	0.81208183646033
PCPG	PRDM14	cg10457247	-0.0315762125558455	184	-0.426198922171793	0.670466537631634	0.000997057199371933	0.809081900979048
PCPG	PRDM14	cg11229513	-0.0352669905006038	184	-0.476073866566657	0.634592737901858	0.00124376061896968	0.784742775443082
PCPG	PRDM14	cg13267264	-0.0191296454047227	184	-0.258120258848308	0.796605745415306	0.00036594333331043	0.888628113207122
PCPG	PRDM14	cg18035229	-0.0641872838133482	184	-0.867723158685656	0.386688574744322	0.00412000740333532	0.584651059873278
PCPG	PRDM14	cg21255438	-0.00918505828153264	184	-0.123918438097234	0.901516603187206	8.43652956351513e-05	0.947993817631055
PCPG	PRDM14	cg27029821	0.00550443555102943	184	0.0742600204563367	0.940885043685115	3.02988107354367e-05	0.96840938398096
PCPG	PRDM4	cg00090609	-0.135870649402092	184	-1.85015250524553	0.0659127325123888	0.0184608333689463	0.176333956225069
PCPG	PRDM4	cg03909902	-0.0587940606218616	184	-0.794549707446751	0.427910335639132	0.00345674156440713	0.6221852378507
PCPG	PRDM4	cg12900929	-0.17926807500093	184	-2.45828207665868	0.0148960277492287	0.0321370427145392	0.0580630114602414
PCPG	PRDM4	cg18440127	-0.146468522326925	184	-1.99751088885671	0.0472593145527047	0.0214530280326328	0.138495107221921
PCPG	PRDM4	cg25995916	-0.0847425169288356	184	-1.14736626670747	0.252736298472057	0.00718129417543398	0.446696980650579
PCPG	PRDM4	cg27140793	-0.152889218888181	184	-2.08712597168981	0.0382697037950069	0.0233751132522382	0.118474803495116
PCPG	PRDM5	cg05713693	-0.215989891380009	184	-2.98430568742837	0.00323265586187215	0.0466516331783483	0.0175028695795157
PCPG	PRDM5	cg06329345	-0.196741186800755	184	-2.70709260369234	0.00743393323624913	0.0387070945837695	0.0339435397178479
PCPG	PRDM5	cg07070341	-0.192677760231214	184	-2.64900186768999	0.00878273609763832	0.0371247192877173	0.0385795692817434
PCPG	PRDM5	cg10416963	-0.227189424816149	184	-3.14725169254601	0.00192605430498424	0.0516150347482928	0.011531127335843
PCPG	PRDM5	cg11171429	-0.189501891256547	184	-2.60369837061973	0.0099835364860232	0.0359109667898083	0.0425706663776413
PCPG	PRDM5	cg13155001	-0.123323202898266	184	-1.67651857118273	0.095353496566248	0.0152086123730868	0.230172462306833
PCPG	PRDM5	cg18181323	-0.202072097406707	184	-2.78352392805083	0.00594507521046443	0.0408331325503456	0.0284662510569871
PCPG	PRDM5	cg19294653	-0.158368135126881	184	-2.1638099355978	0.0317822107032713	0.0250804662235659	0.102989348916995
PCPG	PRDM5	cg22135105	-0.212080358508221	184	-2.9277195491373	0.00385066190855293	0.0449780784649755	0.0201437961478022
PCPG	PRDM8	cg01304890	-0.391371532377156	184	-5.73755998522232	3.94365807855214e-08	0.153171676355244	9.47184120292945e-07
PCPG	PRDM8	cg02895669	-0.363081303200173	184	-5.25698454523188	4.07441351141038e-07	0.131828032733536	7.67098075282331e-06
PCPG	PRDM8	cg04343891	-0.278918006057283	184	-3.91830798663525	0.000126069627446898	0.0777952541029705	0.00117524992182193
PCPG	PRDM8	cg05007549	-0.278788414233475	184	-3.91633398849825	0.000127024512654936	0.0777229799108158	0.0011829451786104
PCPG	PRDM8	cg07462804	-0.287963490737224	184	-4.05667500384322	7.37663358685992e-05	0.0829229719975674	0.000742089529621338
PCPG	PRDM8	cg08074201	-0.188440920976781	184	-2.58858269292752	0.010415836803832	0.0355099806985775	0.0439926227345672
PCPG	PRDM8	cg10695325	-0.24355951817226	184	-3.38781846647178	0.000863476290929988	0.0593212388923035	0.00594033202835227
PCPG	PRDM8	cg11571772	-0.302540679085493	184	-4.28217471092845	2.99116605931849e-05	0.0915308625015112	0.000340147306561355
PCPG	PRDM8	cg12572049	-0.303486143384025	184	-4.29691211352289	2.8163116946543e-05	0.092103839226109	0.000322668854158964
PCPG	PRDM8	cg14489346	-0.304578215844969	184	-4.31395217098716	2.6263455969883e-05	0.0927678895673044	0.000303586819275048
PCPG	PRDM8	cg15656813	-0.367696649414293	184	-5.33418081857885	2.82571603056879e-07	0.135200825990497	5.51351273845168e-06
PCPG	PRDM8	cg16117799	-0.365483765227535	184	-5.2971118665579	3.37010024522251e-07	0.133578382644896	6.46703449622199e-06

PCPG	PRDM8	cg18624348	-0.246310285136252	184	-3.42853712973819	0.000750523213654124	0.0606687565639016	0.00528573265281631
PCPG	PRDM8	cg19595012	-0.238808563584521	184	-3.31769565543713	0.00109600535248144	0.057029530041302	0.00724344918791445
PCPG	PRDM8	cg20142271	-0.20218236013706	184	-2.78510750189318	0.00591731803427526	0.0408777067505918	0.0283702796827329
PCPG	PRDM8	cg26162932	-0.229261349854235	184	-3.17753875885586	0.00174531483155082	0.052560766536986	0.010639841862367
PCPG	PRKAA1	cg00301775	-0.129470741132619	184	-1.7614817551704	0.0798360170299201	0.0167626728094297	0.202776261016463
PCPG	PRKAA1	cg01883943	-0.0794919555783471	184	-1.07580950220453	0.283436512419378	0.00631897100166991	0.480720395206039
PCPG	PRKAA1	cg03125217	-0.10362443886817	184	-1.4055368219126	0.161566463714058	0.010738024330743	0.33189598895469
PCPG	PRKAA1	cg05874655	0.0333899250174031	184	0.450706028898889	0.652737913214951	0.0011148870926678	0.797147505072823
PCPG	PRKAA1	cg06971720	0.00552530919768993	184	0.0745416341927619	0.940661280446813	3.05290417300769e-05	0.968318554824381
PCPG	PRKAA1	cg10786880	-0.0187810660730173	184	-0.253415130852897	0.800233466947495	0.000352728442839043	0.890909304059132
PCPG	PRKAA1	cg24728477	-0.0156224321667834	184	-0.210783856025808	0.833291749349005	0.000244060386805748	0.910590604421767
PCPG	PRKCD	cg02121118	-0.181033564699414	184	-2.48330821651954	0.0139216448242785	0.032773151547777	0.0551407992189766
PCPG	PRKCD	cg02559423	-0.0829699818248636	184	-1.123198987894	0.262832420340501	0.00688401788401819	0.458211803508704
PCPG	PRKCD	cg02630105	-0.0814671598731876	184	-1.10271747750977	0.271605874347438	0.00663689813780351	0.467897324704029
PCPG	PRKCD	cg10531918	-0.370050304728752	184	-5.37372290378401	2.33946206500658e-07	0.136937228029842	4.65225234880168e-06
PCPG	PRKCD	cg13469346	-0.102760417109382	184	-1.39369183436453	0.165110144719191	0.0105597033244942	0.337039585365644
PCPG	PRKCD	cg13889007	-0.269902748163958	184	-3.78152879901429	0.000211231066759573	0.072847493466457	0.00181755443064863
PCPG	PRKCD	cg13908523	-0.198819002795776	184	-2.73685290231692	0.00681815410340185	0.0395289958727068	0.0317349258017539
PCPG	PRKCD	cg14727059	-0.0825490670787586	184	-1.1174616951578	0.26526991452126	0.00681434847557339	0.46096330665361
PCPG	PRKCD	cg21903826	-0.16825998679137	184	-2.30278306778904	0.0224222246095184	0.0283114271555032	0.0793194734788267
PCPG	PRMT1	cg07702240	0.118186040257694	184	1.60567024048496	0.11008007750573	0.0139679401117933	0.255136468435078
PCPG	PRMT1	cg08377944	0.0739948888404742	184	1.00098971893009	0.318160772609195	0.00547524357451413	0.517489371393081
PCPG	PRMT1	cg11787855	0.0968901395096487	184	1.31329840549294	0.190735711155511	0.00938769913419919	0.371035830902749
PCPG	PRMT1	cg14258555	0.112640203871564	184	1.52933234373655	0.127918252718911	0.0126878155282276	0.282883408721786
PCPG	PRMT1	cg14576628	0.0415201951521052	184	0.560621499976132	0.575745085331063	0.0017239266054689	0.742519407308313
PCPG	PRMT1	cg18880319	0.032113966356634	184	0.433464667427497	0.665190549609469	0.00103130683515502	0.80567708692832
PCPG	PRMT1	cg22292364	0.0960933089661741	184	1.30239667444344	0.194426514907074	0.00923392402806859	0.375800444759515
PCPG	PRMT1	cg24228123	0.0810273329165167	184	1.09672464629639	0.274210775788327	0.00656542867956402	0.47068381284664
PCPG	PRMT1	cg25595446	-0.0774514149395531	184	-1.04802484582537	0.296016918586192	0.00599872167613883	0.493995126737586
PCPG	PRMT1	cg26846726	0.11259466168942	184	1.52870606971004	0.128073455969328	0.012677557840955	0.283146141686879
PCPG	PRMT2	cg04493422	0.0723691638766978	184	0.978880104964849	0.3289386025461	0.00523729588021234	0.528657952047333
PCPG	PRMT2	cg06725035	-0.264998182115169	184	-3.7075706145272	0.000277631526618219	0.070224036524344	0.00228962864218571
PCPG	PRMT2	cg09031657	-0.162540185393487	184	-2.22233982706899	0.0274921786155684	0.0264193118677492	0.0924894716839441
PCPG	PRMT2	cg10187059	-0.235374888626956	184	-3.26717320408137	0.00129840483917018	0.0554013381961519	0.00833744168868383
PCPG	PRMT2	cg10657630	-0.117178925483167	184	-1.59179630400125	0.113165853044162	0.0137309005773895	0.260237324788515
PCPG	PRMT2	cg12162201	-0.0696451046576413	184	-0.941850801762156	0.347517511158609	0.0048504406027738	0.546797808807751
PCPG	PRMT2	cg13271076	0.039020732414212	184	0.526819685763324	0.598960312704122	0.00152261755814153	0.759302976781004
PCPG	PRMT2	cg17243659	-0.200683859533978	184	-2.76359571801947	0.0063046350056368	0.0402740114774535	0.0298280590907078
PCPG	PRMT2	cg23283320	-0.242121558956045	183	-3.35730596890577	0.00095933231776655	0.0586228493113055	0.00648554995134528
PCPG	PRMT3	cg01769160	-0.204921440362901	184	-2.82448131797745	0.00526394398977555	0.0419927967204058	0.0258263911920156
PCPG	PRMT3	cg04101203	-0.142601250128941	184	-1.94365981784515	0.053478643977975	0.0203351165383369	0.151548798980861
PCPG	PRMT3	cg06578097	-0.514175969949467	184	-8.08760252239105	8.30794390686836e-14	0.264376928073475	5.54770977073749e-12
PCPG	PRMT3	cg13432154	-0.441972609047303	184	-6.64698632332408	3.36834443084713e-10	0.19533978714808	1.21201196416893e-08
PCPG	PRMT3	cg13982511	-0.217268803448886	184	-3.00284903407972	0.0030508675279369	0.0472057329521108	0.0166819214997081
PCPG	PRMT3	cg19653624	-0.292849586367967	184	-4.13190576986543	5.48035657852668e-05	0.0857608802358897	0.000574580673409575
PCPG	PRMT3	cg23019633	-0.394824405426609	184	-5.79747937684705	2.92029573997506e-08	0.155886311120475	7.24199830397257e-07
PCPG	PRMT3	cg23071995	-0.185396820787766	184	-2.54526524349037	0.0117492073504256	0.0343719811582109	0.0483632910005298
PCPG	PRMT6	cg00944433	-0.154239721213563	184	-2.106009255025	0.036574926370653	0.0237898916000377	0.114628548145942
PCPG	PRMT6	cg02990361	-0.0934266619714772	184	-1.26593155482512	0.207155631845281	0.00872854116713266	0.392036647946582
PCPG	PRMT6	cg02993280	-0.232457836072769	184	-3.22435408651809	0.00149663423512485	0.0540366455516343	0.00938391102485814
PCPG	PRMT6	cg09367891	-0.172774356832876	184	-2.36644139663887	0.0190107816736236	0.0298509783790139	0.0699585974227944
PCPG	PRMT6	cg14671364	-0.0462918479375764	184	-0.625181392697275	0.532635088546666	0.0021429351854757	0.709929524386328
PCPG	PRMT6	cg14828511	-0.119651458000474	184	-1.62586671193605	0.105708304116906	0.0143164714016391	0.247804545586709
PCPG	PRMT6	cg22528358	0.187518669917165	184	2.57545098911174	0.0108049485172889	0.0351632515675026	0.0452888019910547
PCPG	PRMT7	cg00894222	-0.203709509705712	184	-2.8070515422487	0.00554461448794735	0.0414975643445414	0.026935630093171
PCPG	PRMT7	cg02477175	-0.0499503748479158	184	-0.674709637691145	0.500716437508736	0.0024950399474473	0.684576687440903
PCPG	PRMT7	cg06089844	-0.149344742344401	184	-2.03762227624832	0.0430353435612183	0.0223038520659156	0.12915251589389

PCPG	PRMT7	cg06092312	0.0393720899899797	184	0.531570703376763	0.595671560403278	0.00155016147017906	0.756998666503514
PCPG	PRMT7	cg06745885	-0.170548770743853	184	-2.3350388104847	0.0206318321441615	0.0290868832022394	0.0745865790650902
PCPG	PRMT7	cg09175928	-0.0913812753099602	184	-1.23798054091891	0.217317863985228	0.00835053747727474	0.404789319067804
PCPG	PRMT7	cg09779635	-0.137231122021137	184	-1.86903186064456	0.0632249716985054	0.0188323808511801	0.171031485093314
PCPG	PRMT7	cg10233539	0.0660140063830144	184	0.892524502487205	0.373290424187749	0.00435784903873667	0.57185141228637
PCPG	PRMT7	cg10446007	0.0143166087391347	184	0.193161408001199	0.847047952520848	0.000204965285789469	0.918311083495782
PCPG	PRMT7	cg11893236	-0.056169191885886	184	-0.758962026985124	0.448857081001532	0.00315497811711348	0.640152304607644
PCPG	PRMT7	cg19328639	-0.0391681049962538	184	-0.528812417308441	0.597579892318416	0.00153414044899756	0.758383173347344
PCPG	PRMT7	cg21918026	-0.120556430098443	184	-1.63834446496639	0.103077481865728	0.0145338528380809	0.243370348850115
PCPG	PRMT7	cg26492318	-0.123976115951914	184	-1.68553278892492	0.093599540854562	0.0153700773265225	0.227195309194112
PCPG	PRMT7	cg26561196	0.121014866784187	184	1.64466696843037	0.101764618961292	0.0146445979827945	0.241251302396987
PCPG	PRMT7	cg26796563	0.125193334242197	184	1.70234383741597	0.0903982614939442	0.0156733709386785	0.221480295876162
PCPG	PRMT8	cg01693063	0.0711460909609267	184	0.96225167795492	0.337199907727484	0.00506176625902046	0.536784661477662
PCPG	PRMT8	cg06029846	-0.0273021173383039	184	-0.368463052745796	0.712956218258729	0.000745405611154512	0.836657757244005
PCPG	PRMT8	cg07912789	-0.00902879846930182	184	-0.121810115693552	0.903183791286458	8.15192017992668e-05	0.948758505509675
PCPG	PRMT8	cg10350722	-0.0362035957496443	184	-0.488733605777129	0.625618702496239	0.00131070034520367	0.778460993953814
PCPG	PRMT8	cg11596580	-0.055198727399417	184	-0.745808613913074	0.456745201500957	0.00304689950651515	0.647036988173822
PCPG	PRMT8	cg19656577	0.0112370750792844	184	0.151606002960855	0.879665616702213	0.000126271856337475	0.936190363294417
PCPG	PRMT8	cg21667836	0.141213667243613	184	1.92436026747821	0.0558692524313544	0.0199412998163898	0.156262767801998
PCPG	PRMT8	cg23739862	-0.133599386056993	184	-1.81865775855126	0.0706074403618335	0.0178487959548056	0.185537416500877
PCPG	PRMT8	cg24100636	0.0430057945466559	184	0.580717154173907	0.56214947201453	0.00184949836458918	0.732441020749633
PCPG	PRMT8	cg27316886	0.051598631779671	184	0.697032114099595	0.486672068277055	0.00266241880153407	0.673085214696409
PCPG	PWWP2E	cg00259755	-0.162875707162036	184	-2.22705214938835	0.0271697851266904	0.0265284959835335	0.0916903637057848
PCPG	PWWP2E	cg05010219	-0.03255098809528	184	-0.439369670272526	0.660914923136067	0.00105956682597906	0.802710540349204
PCPG	PWWP2E	cg15012692	-0.112372134538861	184	-1.52564612438031	0.128833895360564	0.0126274966208199	0.284310225112893
PCPG	PWWP2E	cg15278699	-0.337409438018892	184	-4.83546346143704	2.81686555589746e-06	0.113845128864225	4.27831392142692e-05
PCPG	PWWP2E	cg19919881	-0.216167595387927	184	-2.98688130697354	0.00320682435857614	0.0467284292957985	0.0173969103313161
PCPG	PWWP2E	cg22633292	-0.164656580779492	184	-2.25207742087651	0.0255122390057307	0.0271117895939934	0.0875087795948771
PCPG	PWWP2E	cg22664157	-0.128431614343515	184	-1.74710609454389	0.0823057171716746	0.0164946795628813	0.207166368837262
PCPG	PWWP2E	cg24520806	-0.227266746138758	184	-3.14838115044079	0.00191901428254246	0.0516501739004989	0.0115004851010021
PCPG	PYGO1	cg06364757	-0.0392493947482263	184	-0.52991160977121	0.596819075600451	0.0015405149881021	0.757875080266095
PCPG	PYGO1	cg09275667	-0.0587531247674674	184	-0.79399457866217	0.428232614215056	0.0034519296699416	0.622482711271572
PCPG	PYGO1	cg11480800	0.0599813386249204	184	0.810652078277348	0.418624262486584	0.00359776098323737	0.614079080494811
PCPG	PYGO1	cg12686317	0.0980299771690164	184	1.32889737968502	0.185545451751545	0.00960987642375788	0.364273132455765
PCPG	PYGO1	cg13878116	-0.0500397144149323	184	-0.67591942732141	0.499949775685382	0.00250397301872798	0.683967220269207
PCPG	PYGO1	cg17841803	-0.00619154553681982	184	-0.083530117036762	0.933521833632392	3.83352361345134e-05	0.964633027821854
PCPG	PYGO1	cg19850348	0.0575341801953152	184	0.777466370113248	0.437893083849509	0.003310181890747	0.630771665462888
PCPG	PYGO1	cg22510134	-0.0991559815212362	184	-1.34431222612445	0.180520633165646	0.00983190867143973	0.357630185812576
PCPG	PYGO1	cg23030278	-0.00706162831836504	184	-0.0952689498108087	0.924206016881845	4.98665945067351e-05	0.960116350285809
PCPG	PYGO1	cg23412777	-0.0806593023422778	184	-1.09171056738267	0.276403425945545	0.00650592305434299	0.472997174734011
PCPG	PYGO1	cg25902187	0.0306133474359999	184	0.413190297805941	0.679953598856316	0.000937177041237244	0.815329309433833
PCPG	PYGO2	cg01277844	0.107391129257049	184	1.45721282136326	0.14678084966147	0.0115328546431042	0.311194762449633
PCPG	PYGO2	cg02341811	-0.233840716055573	184	-3.24464168304958	0.00139944725731801	0.0546814804853833	0.008876363631129
PCPG	PYGO2	cg04602755	-0.189268476506768	184	-2.6003720937065	0.0100772590307019	0.035822556199193	0.0428856832075726
PCPG	PYGO2	cg10892866	-0.211827072657894	184	-2.92405863125755	0.00389415198374688	0.0448707087108128	0.020334384442449
PCPG	PYGO2	cg14024356	-0.0196072020693516	184	-0.264566477637792	0.791642818065202	0.000384442372988385	0.885669970353984
PCPG	PYGO2	cg18188585	-0.081887006346549	184	-1.10843867101571	0.269135035553081	0.00670548180839976	0.465113650023689
PCPG	PYGO2	cg24683561	-0.0863681594083502	184	-1.1695404068824	0.243715341351155	0.00745945895958619	0.436424539398102
PCPG	PYGO2	cg27105205	-0.10903423683939	184	-1.47977469899008	0.140662253937686	0.0118884648031481	0.30229231146795
PCPG	RBBP4	cg05797186	-0.475270190709002	184	-7.28740016252382	9.29148351589872e-12	0.225881754176571	4.43448876463696e-10
PCPG	RBBP4	cg06526778	-0.295015480765385	184	-4.16536659391509	4.79567878270304e-05	0.0870341338912313	0.00051148208832136
PCPG	RBBP4	cg09036220	-0.166659633046356	184	-2.28025186608119	0.0237523023597673	0.027775433287146	0.0829674355805853
PCPG	RBBP4	cg11229946	-0.215502072453033	184	-2.97723689930668	0.00330453579741237	0.0464411432315525	0.0177868302652666
PCPG	RBBP4	cg13641837	-0.228768920363596	184	-3.17033639363142	0.00178681101636055	0.0523352189243253	0.0108425552569169
PCPG	RBBP4	cg16148416	-0.0290466240410453	184	-0.392025794262363	0.695497822802046	0.000843706368181829	0.825458695349196
PCPG	RBBP4	cg16396527	-0.476195784151748	184	-7.30574929917077	8.36163493142124e-12	0.226762424843898	4.03276520678849e-10
PCPG	RBBP4	cg18758482	-0.276746120141981	184	-3.88525542521625	0.00014299452144576	0.0765884150136397	0.00130718164528219

PCPG	RBBP4	cg20740619	0.0573102748418706	184	0.774430719885222	0.439681012803869	0.00328446760245075	0.632293417444251
PCPG	RBBP4	cg22358606	0.158701949303419	184	2.16848860828477	0.0314191709830536	0.025186308712705	0.102178963565724
PCPG	RBBP4	cg22857567	-0.132873261124842	184	-1.80859504082118	0.0721644864903622	0.0176553035219504	0.188452482376451
PCPG	RBBP4	cg23016766	-0.132047422868572	184	-1.79715408723769	0.0739691226195683	0.0174365218862315	0.191907751377912
PCPG	RBBP4	cg26131911	-0.133167940488563	184	-1.8126783808492	0.0715292694234053	0.0177337003739653	0.187276545132582
PCPG	RBBP5	cg00960017	-0.17166656160317	184	-2.35080598621153	0.0198033115819726	0.0294694083726551	0.0722564288825554
PCPG	RBBP5	cg02189925	-0.225472926382288	184	-3.12219434938563	0.00208852223072358	0.0508380405313925	0.012314271518638
PCPG	RBBP5	cg03143531	-0.0146565507844454	184	-0.197748921021814	0.843462201526395	0.000214814480897028	0.916388578835445
PCPG	RBBP5	cg05290904	-0.164006687389622	184	-2.24294235146946	0.0261067860715068	0.0268981935085172	0.0890143458821353
PCPG	RBBP5	cg07601985	-0.0779508160309552	184	-1.05482361304097	0.292904269431956	0.00607632971989181	0.4905772424515268
PCPG	RBBP5	cg07972983	-0.197453008148367	184	-2.71728363482316	0.00721762285722016	0.0389876904268392	0.0332025162648327
PCPG	RBBP5	cg14717946	-0.0674713176377964	184	-0.912316813883158	0.362808836410006	0.00455237870378042	0.56179041838535
PCPG	RBBP5	cg18131828	-0.154193712122886	184	-2.10536573856722	0.0366316030003747	0.0237757008582355	0.114741460936187
PCPG	RBBP5	cg21214746	0.00670868682528405	184	0.0905071700812574	0.927983726408287	4.50064789197398e-05	0.962028654578991
PCPG	RBBP5	cg23227967	-0.119667750547075	184	-1.62609131708366	0.10566047792495	0.014320370520997	0.247747037786893
PCPG	RBBP5	cg24103461	-0.0637567304491926	184	-0.8618788367251	0.38988835034438	0.004064920677571	0.587420324575462
PCPG	RBBP5	cg26795850	-0.168279780522968	184	-2.30306168892044	0.0224061939766588	0.0283180845328583	0.0792843963711711
PCPG	RBBP7	cg01947226	0.0788362146938231	184	1.06687925705926	0.287439530970002	0.00621514874725057	0.484940054917055
PCPG	RBBP7	cg03048084	0.036739297233749	184	0.49597505787144	0.620510416872307	0.00134977596122976	0.775030302648581
PCPG	RBBP7	cg03171708	0.056356148896102	184	0.761496238453448	0.447346316399718	0.00317601551839962	0.638959509162758
PCPG	RBBP7	cg03811055	-0.0467001226703601	184	-0.630707229665778	0.529023155438059	0.00218090145742668	0.707332747826174
PCPG	RBBP7	cg07096248	0.0169721827078253	184	0.229000247493548	0.81912584796692	0.000288054985867805	0.902710918851084
PCPG	RBBP7	cg08363715	-0.0716941584855217	184	-0.969702448340479	0.333481738199318	0.00514005236094711	0.53308651283801
PCPG	RBBP7	cg14719055	-0.0242001572252146	184	-0.326573612647404	0.744365649368323	0.000585647609725108	0.85642068031459
PCPG	RBBP7	cg15289846	0.0404915535631174	184	0.546709289461527	0.585248119757006	0.00163956590995481	0.749753680170878
PCPG	RBBP7	cg15464143	0.0978559361552124	184	1.32651524324971	0.18633117748846	0.009575784240813	0.365271838059097
PCPG	RBBP7	cg16978043	-0.0100544162005033	184	-0.135648346918647	0.892249197256353	0.000101091285132943	0.942910529635747
PCPG	RBBP7	cg17878446	0.0616560073069709	184	0.83337053576298	0.405728131317924	0.00380146323703725	0.602064172584579
PCPG	RBBP7	cg17880859	-0.104198822444765	184	-1.41341289980202	0.159242412492917	0.0108573945988758	0.328710277747605
PCPG	RBBP7	cg21122900	0.0415521431237791	184	0.561053619468654	0.575451096974617	0.00172658059817902	0.742322413184241
PCPG	RING1	cg01241018	-0.0204742425823062	184	-0.276270545115153	0.782653746684548	0.00041919460931912	0.879928397976381
PCPG	RING1	cg01878788	0.0802800910138182	184	1.0865446310506	0.278675057609874	0.00644489301318693	0.475599399594203
PCPG	RING1	cg02475416	-0.0823272977472642	184	-1.11443910315088	0.266560360998012	0.00677778395436669	0.462224923065317
PCPG	RING1	cg03037740	0.0151613758109294	184	0.204561654533333	0.838143198031063	0.000229867316480234	0.913379541473517
PCPG	RING1	cg06316695	0.0263074316606641	184	0.355029532350262	0.722978547485405	0.000692080960580513	0.843024626191757
PCPG	RING1	cg06671577	0.217784957887939	184	3.01033750938003	0.00298015690077627	0.0474302878822514	0.0163750759951257
PCPG	RING1	cg07946923	-0.0493842080482886	184	-0.667043279655355	0.505589295404297	0.0024388000455665	0.688714802337318
PCPG	RING1	cg08892712	-0.0385832333431963	184	-0.520904145898512	0.603066730496781	0.00148866589521554	0.76218824805073
PCPG	RING1	cg09478665	0.00543708160069994	184	0.073351325193602	0.941607102231087	2.95618563326699e-05	0.968869557713976
PCPG	RING1	cg09724776	0.0210017812234072	184	0.283392024280832	0.7771984386151	0.000441074814555858	0.876811964485008
PCPG	RING1	cg09832551	-0.0157956618545835	184	-0.213121717623209	0.831470561684411	0.000249502933424345	0.909691101041144
PCPG	RING1	cg09869033	0.0457198672645005	184	0.617440388028042	0.537716029072164	0.00209030626268354	0.713568396444298
PCPG	RING1	cg10265934	-0.00089926675449056	184	-0.0121317766895395	0.990333768275518	8.08680695732001e-07	0.994732410190131
PCPG	RING1	cg12065531	0.0104112011215684	184	0.140462394833228	0.888449995932718	0.000108393108793748	0.940764400604207
PCPG	RING1	cg12115664	-0.00178618998027267	184	-0.0240970587024912	0.980801589109375	3.19047464562647e-06	0.990066386575959
PCPG	RING1	cg12256228	0.104593512942673	184	1.41882581374667	0.157660030094407	0.0109398029496891	0.326440018661884
PCPG	RING1	cg14046664	-0.0509291092405652	184	-0.687964038069312	0.492351301375899	0.00259377416803742	0.677856544116987
PCPG	RING1	cg14363494	0.0367790578741129	184	0.496512547281421	0.620131990219309	0.00135269909810735	0.774728058178174
PCPG	RING1	cg18189601	-0.00828243871619517	184	-0.111740039785295	0.911152668992735	6.85987910875288e-05	0.952780078345478
PCPG	RING1	cg20505183	0.127065143755766	184	1.72821073767162	0.0856465232731935	0.0161455507576734	0.213188674095761
PCPG	RING1	cg24536938	0.00327773534216739	184	0.0442193048396824	0.964778071938425	1.07435489732932e-05	0.981482219542014
PCPG	RING1	cg24550302	-0.0246913042515027	184	-0.333205492351108	0.739362710637124	0.000609660505640274	0.853192653138091
PCPG	RNF17	cg00202166	-0.254563486020123	184	-3.55124103937776	0.000488175161505064	0.0648025684147175	0.00367318875269609
PCPG	RNF17	cg01405147	0.0599237670199097	184	0.809871188509931	0.419071816536671	0.00359085785385642	0.614457524844107
PCPG	RNF17	cg07131398	-0.146724554954785	179	-1.97340059115369	0.0500065013474026	0.0215280950266797	0.144300818495487
PCPG	RNF17	cg12020676	-0.0605155129304738	184	-0.817897900204013	0.414484983447413	0.00366212730523834	0.61004354483216
PCPG	RNF17	cg14855529	-0.0696479885895974	184	-0.941889992938771	0.347497498339234	0.00485084231457668	0.546788438224157

PCPG	RNF17	cg15523998	-0.11426355840713	184	-1.55166233628629	0.122480205159369	0.0130561607798597	0.274556969806592
PCPG	RNF17	cg17806989	-0.292529084521893	184	-4.12696027585707	5.58915158684635e-05	0.0855732652912167	0.000584411906649362
PCPG	RNF17	cg20477497	-0.138474094815035	184	-1.88629008532634	0.0608485095461285	0.0191750749348432	0.166303012634609
PCPG	RNF17	cg21831927	-0.122597820693441	184	-1.66650642519013	0.0973326343848792	0.015030225638781	0.233534680915933
PCPG	RNF17	cg23678722	-0.0938585702099214	184	-1.27183580619869	0.205054214816137	0.00880943120185075	0.38928820273778
PCPG	RNF17	cg24753530	-0.191151576640424	184	-2.62722030430994	0.00934281167527628	0.0365389252521199	0.0404190129833413
PCPG	RNF20	cg04845236	0.0350874892321694	184	0.473647760210481	0.636318772739571	0.00123113190061761	0.785946618708371
PCPG	RNF20	cg14625770	0.00492915794769233	184	0.0664987841320589	0.947053717997189	2.42965980732984e-05	0.971736222768647
PCPG	RNF20	cg21219529	-0.150462849457844	184	-2.05322946939637	0.04148103192095	0.022639069066974	0.125685424539744
PCPG	RNF217	cg00991794	-0.0656110070622163	184	-0.887052229857163	0.376221458305292	0.00430480424771819	0.574711780375483
PCPG	RNF217	cg02312409	-0.0730049217172809	184	-0.987525371699227	0.324696184006864	0.00532971859494631	0.524054251838796
PCPG	RNF217	cg03113502	0.0901450565221293	184	1.22109480886926	0.223629625514809	0.00812613121537789	0.412545484640718
PCPG	RNF217	cg06993703	-0.0569966686210046	184	-0.770179125757879	0.442192193312322	0.00324862023389261	0.634520594063134
PCPG	RNF217	cg07439975	0.0272555058874888	184	0.367833527349511	0.713424789261111	0.000742862601182939	0.836967743749587
PCPG	RNF217	cg10621825	0.0222512830598562	184	0.300260561853163	0.764321099534193	0.000495119597809842	0.869177968062141
PCPG	RNF217	cg16203203	-0.199938486163519	184	-2.75290302030388	0.00650559247044361	0.0399753982493597	0.03057982239551
PCPG	RNF217	cg17382198	-0.0480637884671466	184	-0.649166218507481	0.517049308151396	0.00231012776181462	0.698067265030626
PCPG	RNF217	cg18192252	-0.0731663873421795	184	-0.989721232389473	0.323624372006624	0.00535332023670585	0.523051428248464
PCPG	RNF217	cg19171596	-0.0584110800761292	184	-0.789356286954277	0.430930923267838	0.00341185427565998	0.624965086780545
PCPG	RNF217	cg19478500	-0.154191481335886	184	-2.10533453752154	0.0366343528964941	0.0237750129165548	0.114745041106249
PCPG	RNF217	cg20034100	-0.243008477888344	184	-3.37967209568519	0.000887903105883866	0.0590531203256097	0.00608202291266439
PCPG	RNF217	cg23521835	0.0263054921779751	184	0.355003340114284	0.722998136234949	0.000691978918725511	0.843024626191757
PCPG	RNF217	cg24822696	-0.0248314337639839	184	-0.335097682791759	0.737937311549067	0.00061660010277512	0.852445313103501
PCPG	RPH3A	cg00851732	-0.294047448314266	184	-4.15040284875139	5.09110268002063e-05	0.0864639018601311	0.000538487072589429
PCPG	RPH3A	cg00854817	-0.275198917490681	184	-3.86174889454317	0.000156320994824087	0.0757344441880429	0.00141044252741186
PCPG	RPH3A	cg01119407	-0.220506942186397	184	-3.04987266818534	0.00263120293290518	0.048623311552395	0.0148284411013058
PCPG	RPH3A	cg01573562	-0.382774196810616	184	-5.5895993237643	8.20976212585985e-08	0.146516085744012	1.81698502082259e-06
PCPG	RPH3A	cg05967001	-0.235905655577116	184	-3.27497428548815	0.00126503309466627	0.055651478333269	0.0081622281302536
PCPG	RPH3A	cg08254200	-0.391236142199772	184	-5.73521635530566	3.99010936789211e-08	0.15306571896336	9.57749361819805e-07
PCPG	RPH3A	cg09384610	-0.341199866773353	184	-4.8968968608481	2.14001164273297e-06	0.116417349086154	3.34969951176597e-05
PCPG	RPH3A	cg11596863	-0.141683347042906	184	-1.93089162685941	0.0550503663171184	0.0200741708292806	0.154738584797806
PCPG	RPH3A	cg16403344	-0.339358001963843	184	-4.86701136445514	2.44685351219948e-06	0.115163853496892	3.771557799248e-05
PCPG	RPH3A	cg17453780	-0.119815702658283	184	-1.62813101050505	0.105226948587356	0.0143558026034981	0.247043253211153
PCPG	RPH3A	cg18629535	-0.430965469971143	184	-6.44309123798779	1.01609238104173e-09	0.185731236307448	3.36079467222621e-08
PCPG	RPH3A	cg19712198	-0.406760020929864	184	-6.00687702221188	1.00639529428173e-08	0.165453714626864	2.75093167685708e-07
PCPG	RPH3A	cg20704159	-0.267845444252673	184	-3.75046758428679	0.000237043689565349	0.0717411820069118	0.00200071354953312
PCPG	RPH3A	cg21900624	-0.247740530709311	184	-3.44974333821973	0.000697328194851896	0.061375370556131	0.00497049199104896
PCPG	RPH3A	cg23199238	-0.2395249275365	184	-3.32825265737591	0.00105761150906167	0.0573721909113657	0.00703392577036366
PCPG	RPH3A	cg23549179	0.259407600643378	184	3.62364471786239	0.000376740484031821	0.0672923032715545	0.00295832736598077
PCPG	RPH3A	cg23596620	-0.141326012544604	184	-1.92592241851631	0.0556724686370244	0.0199730418217577	0.155869287596224
PCPG	RTF1	cg04910470	-0.0260560355504244	184	-0.351634523141458	0.725519141351815	0.000678916988604981	0.844533765502881
PCPG	RTF1	cg07091958	-0.00096479075024233	184	-0.0130157448726201	0.989629487869312	9.30821191753175e-07	0.994436321090902
PCPG	RTF1	cg07129439	0.000172886875830346	184	0.00233237150481143	0.998141592980886	2.98898718343776e-08	0.999001982378776
PCPG	RTF1	cg15581235	-0.074479206253316	184	-1.00757790575748	0.314994835080609	0.00554715216412399	0.514102763039147
PCPG	RTF1	cg18782716	0.0660803648215693	184	0.89342561663415	0.372809143943937	0.0043666146149517	0.571417880878232
PCPG	RTF1	cg22263512	0.0517416157673183	184	0.69896882432704	0.485463770969933	0.0026771948022128	0.672067633534451
PCPG	RTF1	cg24280607	0.000968331308656989	184	0.0130635096839552	0.989591432630823	9.37665523325357e-07	0.994436321090902
PCPG	RTF1	cg27576415	0.0675751601788574	184	0.913727362205345	0.362068998690102	0.00456640227319823	0.560979798528137
PCPG	SATB1	cg01069104	-0.178404235754918	184	-2.44604595535646	0.0153941298735109	0.0318280713352965	0.0595865727624594
PCPG	SATB1	cg01373248	-0.228297927928461	184	-3.16344997366022	0.00182734022050218	0.0521199438964288	0.0110429662948611
PCPG	SATB1	cg04004754	-0.181458329513261	184	-2.48933302919766	0.0136957156674519	0.0329271253497432	0.0544510913596233
PCPG	SATB1	cg14415616	-0.202511151963129	184	-2.78983020784431	0.00583523543666264	0.0410107666694337	0.0280577848018766
PCPG	SATB1	cg19818826	-0.273264111643403	184	-3.83239919078072	0.000174617770438266	0.0746732747122581	0.00155053245445434
PCPG	SATB1	cg26131754	-0.114380627069358	184	-1.55327315446268	0.122095073119994	0.0130829278487797	0.273906742748705
PCPG	SATB1	cg26768584	-0.310142917355795	184	-4.401073930030185	1.83200064263074e-05	0.0961886291859633	0.000222164704587398
PCPG	SCML2	cg00457389	0.0566021721631476	184	0.764831218433673	0.445362624831696	0.0032038058935866	0.637330120969739
PCPG	SCML2	cg04189389	-0.173768830619797	184	-2.38048527223582	0.0183228980431549	0.0301956064949718	0.0680517297034847

PCPG	SCML2	cg05049545	0.10965410145998	184	1.48828937710947	0.138405223834806	0.0120240219669956	0.298846669682892
PCPG	SCML2	cg06131666	-0.159395697159867	184	-2.17821448161522	0.0306759587566824	0.0254069882730802	0.100328156710559
PCPG	SCML2	cg08300622	0.0771538972664592	184	1.04397486500869	0.297881674887167	0.00595272386340334	0.496059231856412
PCPG	SCML2	cg17710066	-0.12871128677485	184	-1.75097460781428	0.0816350526789142	0.0165665953432378	0.205941211889254
PCPG	SCML2	cg17727916	0.00708602389584073	184	0.0955980888486423	0.923944960447425	5.02117346524258e-05	0.959977752665104
PCPG	SCML2	cg22823767	0.0540794900734289	184	0.730641404174319	0.46593772683848	0.0029245912466021	0.655203346257777
PCPG	SCML2	cg26246138	-0.0122321804109465	184	-0.165033482881629	0.869100787844056	0.000149626237605942	0.930580358895956
PCPG	SCML4	cg00977377	-0.0032481815094834	184	-0.0438205954714017	0.965095449964951	1.05506831185499e-05	0.981628591221032
PCPG	SCML4	cg03500965	-0.278433640208873	176	-3.82401067204441	0.000182716591139897	0.0775252919999642	0.0016072200917161
PCPG	SCML4	cg05603896	-0.286033220172091	184	-4.02705047743693	8.28312264056562e-05	0.0818150030420159	0.000817633856998048
PCPG	SCML4	cg08792995	-0.229782811467861	184	-3.18516856078502	0.00170233175218211	0.0528001404460744	0.0104292956630379
PCPG	SCML4	cg17388996	-0.250706141003053	184	-3.4937911330934	0.00059792518356645	0.0628535691366426	0.00436189351265685
PCPG	SCML4	cg23503775	-0.281637405066004	184	-3.95978481526756	0.000107515306383644	0.0793196279323123	0.00102525689443604
PCPG	SCML4	cg27353361	-0.21098382805688	184	-2.91187506662761	0.00404214698044258	0.0445141757015349	0.0209134119263626
PCPG	SCML4	cg27659622	-0.299349290769118	184	-4.23253139014711	3.65996348109634e-05	0.089609997883974	0.000405126919533877
PCPG	SETD1A	cg26692825	-0.00354584670785523	184	-0.0478363881002149	0.961899088216553	1.25730288756078e-05	0.980018194467297
PCPG	SETD6	cg01152986	-0.00639700297493942	184	-0.0863020541552881	0.93132117653545	4.09216470613838e-05	0.963680928157119
PCPG	SETD6	cg01472538	-0.107693586896586	184	-1.46136502191211	0.14563965360663	0.0115979086586526	0.309568440314662
PCPG	SETD6	cg01773760	0.118751923297151	184	1.61346800429129	0.108375383842529	0.0141020192867724	0.252302927060263
PCPG	SETD6	cg02549819	-0.107470601094207	184	-1.45830378735975	0.146480341392512	0.0115499300995503	0.310727011105966
PCPG	SETD6	cg05502081	0.0992284874552301	184	1.34530500056199	0.180200543000482	0.00984629272265277	0.357323639941362
PCPG	SETD6	cg09132913	-0.058827274155631	184	-0.795006263928341	0.427645389677109	0.0034607015128798	0.621964243948121
PCPG	SETD6	cg19824325	-0.0409799525320865	184	-0.553314586414174	0.580727069746309	0.00167935650953206	0.746452445640983
PCPG	SETD6	cg26666090	-0.0853953578515206	184	-1.15627004900865	0.249086236008972	0.00729236714258926	0.44254088326211
PCPG	SETD7	cg05316864	-0.229982660334442	184	-3.18809343059379	0.0016861161557271	0.0528920240545073	0.0103486958752374
PCPG	SETDB1	cg02060408	-0.205504985380232	184	-2.83287859147698	0.00513339650024953	0.0422322990161293	0.0253136059419632
PCPG	SETDB1	cg08531528	-0.0308877476315911	184	-0.416897415778637	0.677244743106404	0.000954052953752862	0.813526103968679
PCPG	SETDB1	cg10589385	-0.123468876601799	184	-1.67852957262267	0.0949599202062543	0.0152445634893102	0.229482325771612
PCPG	SETDB1	cg10961700	-0.218166004242858	184	-3.01586750952548	0.00292891050668639	0.0475964054072947	0.0161539641231593
PCPG	SETDB1	cg12082615	0.0199852281766177	184	0.269669328075487	0.78772016459546	0.000399409345271474	0.883080181036348
PCPG	SETDB1	cg15448220	0.000186544864985566	184	0.00251662786107688	0.997994779917518	3.47989866524832e-08	0.99896681840158
PCPG	SETDB1	cg16370685	-0.291308584998598	184	-4.10814129808372	6.0223072096838e-05	0.0848606916938853	0.000624416056337654
PCPG	SETDB1	cg17899625	0.112883610081174	184	1.5326797136337	0.127091206484496	0.0127427094249586	0.281787339989139
PCPG	SETDB1	cg17918089	0.198055464521299	184	2.72591239899026	0.00703894291308624	0.0392259670267475	0.0325344617064126
PCPG	SETDB1	cg19689029	-0.352898722023854	184	-5.08823320278823	8.95397762666754e-07	0.12453750800607	1.55240859257628e-05
PCPG	SETDB1	cg26820223	-0.238149600460103	184	-3.30798963795797	0.0011324472586026	0.0567152321993069	0.00744319043897689
PCPG	SETMAR	cg00300090	-0.0930972826984694	184	-1.26142937477859	0.20876858645505	0.00866710404583872	0.393984431643527
PCPG	SETMAR	cg02520519	0.221599902677173	184	3.06576826119547	0.00250183475333286	0.0491065168665325	0.0142470924549106
PCPG	SETMAR	cg06021447	-0.104745987722971	184	-1.42091708386662	0.157051906228165	0.0109717219440607	0.325720902643475
PCPG	SETMAR	cg06267913	-0.304661129999047	184	-4.31524667942093	2.61242757950132e-05	0.0928184041322959	0.000302337386372696
PCPG	SETMAR	cg14751177	0.000657244077237571	184	0.0088667092760761	0.99293519379436	4.31969777063866e-07	0.996341972784522
PCPG	SETMAR	cg14961031	0.179346335878968	184	2.4593909170865	0.0148516049887292	0.0321651081932115	0.0579130706011629
PCPG	SETMAR	cg15232450	0.0684362026373751	184	0.925424512249274	0.355970571271323	0.00468351383142386	0.554784963049553
PCPG	SETMAR	cg15384599	0.401334622676073	184	5.9112499612802	1.64184900764685e-08	0.161069479358546	4.29186833672308e-07
PCPG	SETMAR	cg16423812	-0.240020942202747	184	-3.33556576581457	0.00103175468763724	0.0576100526958945	0.00689082453382998
PCPG	SETMAR	cg21901604	0.0388062329610667	184	0.523919344609098	0.600972059542599	0.00150592371662858	0.760851146517437
PCPG	SETMAR	cg22149154	-0.128092152804771	184	-1.74241112966307	0.0831257027847227	0.0164075996101608	0.208582425005152
PCPG	SETMAR	cg23182840	0.0102704633758046	184	0.138563434251535	0.88994833420936	0.000105482417953743	0.941671640911888
PCPG	SETMAR	cg23549342	0.0617181164793613	184	0.834213239834129	0.405254417987875	0.00380912590176001	0.601705548104757
PCPG	SETMAR	cg24390964	-0.0958717801543213	184	-1.29936630739651	0.195461777072565	0.00919139822995852	0.37721102144782
PCPG	SETMAR	cg26797270	-0.230787588286748	184	-3.19987819657584	0.0016222216540926	0.0532629109072137	0.0100285371391036
PCPG	SETMAR	cg27265118	-0.279146878983495	184	-3.92179484411162	0.000124399568941135	0.0779229800462261	0.00116219871634289
PCPG	SFMBT2	cg09060610	-0.0892191854540403	184	-1.20845190285464	0.228441250390814	0.00796006305308243	0.418326788590532
PCPG	SFMBT2	cg12328063	0.136196981514124	184	1.85468005787039	0.0652596618730142	0.0185496177735587	0.175128604790978
PCPG	SFMBT2	cg20299663	-0.126250682166969	184	-1.7169532456108	0.087688898184365	0.0159392347476249	0.216849065150077
PCPG	SFMBT2	cg25291138	-0.141403298774164	184	-1.92699712048147	0.0555374270017831	0.0199948929042154	0.155636837038066
PCPG	SHPRH	cg00571935	-0.0843789196978244	184	-1.1424079855869	0.254785134605622	0.0071198020893719	0.449042229356177

PCPG	SHPRH	cg02758840	-0.0210294474364675	184	-0.283765509301188	0.776912638557989	0.000442237659483149	0.87662656906055
PCPG	SHPRH	cg06708562	0.0851110280209655	184	1.15239202795034	0.250671419031371	0.00724388709078557	0.444303961582474
PCPG	SHPRH	cg11387577	-0.113537963090738	184	-1.54167989190275	0.124888301073928	0.0128908690627937	0.278223381836917
PCPG	SHPRH	cg11675148	0.0455831334767966	184	0.615589966810802	0.538934208911552	0.00207782205756345	0.714482751330355
PCPG	SHPRH	cg12989205	0.0520409427259771	184	0.703023331174171	0.482939508518786	0.00270825971980843	0.669910343998705
PCPG	SHPRH	cg14102550	-0.0230111755742073	184	-0.310519953941823	0.756520903917991	0.000529514201306996	0.864196002207966
PCPG	SHPRH	cg15443174	-0.0870125678692814	184	-1.17833288240115	0.240202262204019	0.0075711869672063	0.432138987000697
PCPG	SHPRH	cg16339435	-0.00509827287461648	184	-0.0687803552657862	0.945239963482353	2.59923863040501e-05	0.970711134015984
PCPG	SHPRH	cg18099523	-0.0875685923757806	184	-1.18592062181411	0.237199591185148	0.00766825837067562	0.428604394505782
PCPG	SHPRH	cg26814539	-0.0561724436245433	184	-0.759006103777392	0.448830779795212	0.0031553434227525	0.64012652959683
PCPG	SHPRH	cg27398948	-0.128598998405173	184	-1.74942135029245	0.0819037939703162	0.0165377023908136	0.20639511995487
PCPG	SIN3A	cg01088093	-0.0931309047827135	184	-1.26188892513407	0.208603528289355	0.00867336542564686	0.393797260589442
PCPG	SIN3A	cg01664094	-0.053508931345959	184	-0.722910612843486	0.470662770998951	0.00286320573378655	0.659154958001951
PCPG	SIN3A	cg02028562	-0.0251228503852675	184	-0.339032789838376	0.734975883050919	0.000631157611480537	0.850590804026976
PCPG	SIN3A	cg07544511	-0.0177267423048841	184	-0.239184411581926	0.811231722355354	0.000314237392743767	0.898198499350577
PCPG	SIN3A	cg10483776	-0.0790974919114203	184	-1.07043730827869	0.285840033885598	0.00625641322667719	0.483111140959769
PCPG	SIN3A	cg11184237	-0.00503317440335876	184	-0.0679020950677475	0.945938110589704	2.53328445746258e-05	0.971129505057213
PCPG	SIN3A	cg15851274	-0.0550569073102751	184	-0.743886601250081	0.45790437699827	0.00303126304257223	0.64798100038639
PCPG	SIN3A	cg22059910	0.0954072921127766	184	1.29301305149192	0.197645451517079	0.00910255138829268	0.380029913129826
PCPG	SIN3A	cg25697800	0.00830366529366044	184	0.112026431515515	0.910925906658847	6.89508573091408e-05	0.952769226764125
PCPG	SIN3B	cg06815056	-0.0705060195642527	184	-0.953551258167337	0.34157556451752	0.00497109879479478	0.540751515386161
PCPG	SIRT1	cg02720207	0.0894181524848828	184	1.21116855945502	0.227401127612939	0.00799560599380975	0.417059678202481
PCPG	SIRT1	cg03211233	-0.0966547066061505	184	-1.3100770972093	0.191820837901709	0.00934213230912103	0.372303149601019
PCPG	SIRT1	cg07832903	-0.00379090978671442	184	-0.0511425365443924	0.959268027321021	1.43709970110072e-05	0.978679583446926
PCPG	SIRT1	cg10582690	0.0629046132739571	184	0.85031363818804	0.396267980369095	0.0039569903711461	0.592934763032705
PCPG	SIRT1	cg10705386	-0.104278216154706	184	-1.41450167664935	0.158923155711866	0.0108739463644076	0.328234175252724
PCPG	SIRT1	cg19192316	0.023058192094797	184	0.311154746643716	0.756039083713147	0.000531680222680557	0.863934106834239
PCPG	SIRT1	cg19681528	-0.00069255994575407	184	-0.0093431467156447	0.992555589354167	4.79639278462886e-07	0.996063848274227
PCPG	SIRT1	cg19980381	0.0127983846599326	184	0.172673791126528	0.863099718838729	0.000163798649903599	0.927236539396795
PCPG	SIRT1	cg25513531	0.0244461547204424	184	0.329895247584054	0.74185850889278	0.000597614480615809	0.854754081677823
PCPG	SIRT4	cg04118464	0.0936046329823416	184	1.26836435810391	0.206287857592061	0.00876182731575887	0.390777118061388
PCPG	SIRT4	cg07106325	-0.0307022225965775	184	-0.414390981660289	0.679075780000203	0.000942626472369795	0.814782010724367
PCPG	SIRT4	cg08264848	-0.0517653495302071	184	-0.699290301004124	0.4852633629224	0.00267965141198452	0.671873886400505
PCPG	SIRT4	cg12124973	0.0584500290940824	184	0.789884440400559	0.430623171188223	0.00341640590109908	0.624625204717644
PCPG	SIRT4	cg20010714	-0.0114482395294193	184	-0.15445531701	0.877421885475189	0.000131062188322959	0.935004633903042
PCPG	SIRT4	cg21068152	-0.19574807364357	184	-2.69288179923874	0.00774535459781006	0.0383173083351686	0.0350580156852293
PCPG	SIRT4	cg21123573	-0.0814405732853309	184	-1.1023552054498	0.271762856110533	0.00663256697704336	0.468064107958351
PCPG	SIRT5	cg01064902	-0.0925282748391069	184	-1.25365277149592	0.211576217537045	0.0085614816447013	0.397652503888356
PCPG	SIRT5	cg02206980	-0.181698384574131	184	-2.49273857804868	0.0135694579228615	0.0330143029568488	0.0540896298835417
PCPG	SIRT5	cg02712746	-0.13904436430481	184	-1.89421110541178	0.0597830273557938	0.0193333352449288	0.164221780724457
PCPG	SIRT5	cg06139021	0.14093424110901	184	1.92047520171428	0.0563611874399265	0.0198624603169726	0.157389698316521
PCPG	SIRT5	cg07534331	-0.140258983619014	184	-1.91108853443856	0.0575647675769064	0.0196725824858388	0.159749933319861
PCPG	SIRT5	cg07909422	-0.100881256964761	184	-1.36794115119215	0.173017097701561	0.0101770280067901	0.34790249154293
PCPG	SIRT5	cg08619119	-0.0165507757689875	184	-0.223312760291014	0.823542544362832	0.000273928178555303	0.905043618289692
PCPG	SIRT5	cg10907941	-0.255859872467182	184	-3.57058946194606	0.000455691492719769	0.0654642743389226	0.00346938992797568
PCPG	SIRT5	cg11824369	-0.11320584268861	184	-1.53711154963165	0.126002678939594	0.0128155628188383	0.279960369160791
PCPG	SIRT5	cg19366958	0.0974895578073633	184	1.321500946096	0.187993194168893	0.00950421388147523	0.367470728181388
PCPG	SIRT5	cg20150972	-0.117316220830186	184	-1.59368738009277	0.112741247435738	0.013763095669877	0.259561781681438
PCPG	SIRT7	cg11691214	0.00210491019760018	184	0.0283968539782816	0.977376747168997	4.43064693996121e-06	0.988173495177723
PCPG	SIRT7	cg12710567	-0.0424589356965678	184	-0.573319370778281	0.567136185714089	0.00180276122048528	0.735881785196261
PCPG	SIRT7	cg17552093	0.185002658603362	184	2.53966190832624	0.011932396830391	0.0342259836903121	0.0489283617448576
PCPG	SIRT7	cg20397086	-0.0978074035957775	184	-1.32585098968998	0.186550716813409	0.00956628819814731	0.365548486962533
PCPG	SMARCA	cg03460558	0.115543017356141	184	1.569270751107	0.118321806210028	0.0133501888597616	0.268148297034489
PCPG	SMARCA	cg06675660	0.0155697310101148	184	0.210072619067919	0.833845980419006	0.000242416523727332	0.910878525601575
PCPG	SMARCA	cg08617833	0.0634462723611612	184	0.857664985461096	0.392205481559384	0.00402542947652664	0.589236075634513
PCPG	SMARCA	cg12935118	-0.0315142369096477	184	-0.425361575437097	0.671075633792122	0.000993147127997404	0.80949044618285
PCPG	SMARCA	cg17420696	-0.0593574921036555	184	-0.802190779499095	0.423488816664524	0.00352331186883553	0.618555584829425

PCPG	SMARCA	cg18959966	-0.00031040334811646	184	-0.0041875703099244	0.996663398491141	9.63502385219085e-08	0.998316892964834
PCPG	SMARCA	cg24447042	-0.096258861260646	184	-1.30466144741115	0.193655455051695	0.0092657683711963	0.374732009189629
PCPG	SMARCA	cg26010110	0.0312840330590335	184	0.422251357242928	0.673339949749331	0.0009786907244387	0.811055972693611
PCPG	SMARCA	cg27353825	-0.0869196929965959	184	-1.17706558198985	0.240706387450218	0.00755503303062247	0.432789717459086
PCPG	SMARCA	cg04518912	-0.0880494435214497	184	-1.1924834149977	0.234624166933191	0.00775270450443695	0.425651277778053
PCPG	SMARCA	cg13529335	-0.101897678376126	184	-1.38186761719319	0.168706137462608	0.0103831368584443	0.341903956071644
PCPG	SMARCA	cg14290704	-0.174903956254776	184	-2.39652460196205	0.0175642286351121	0.0305913939135726	0.0658881263890082
PCPG	SMARCA	cg21210735	-0.110740620382476	184	-1.50321842932241	0.134515933810527	0.0122634850026956	0.292935435289761
PCPG	SMARCA	cg08405378	-0.115810799955042	184	-1.57295707877173	0.117465540051865	0.0134121413862268	0.266879995581995
PCPG	SMARCA	cg17218495	-0.0320034873829982	184	-0.431971923899486	0.666273145861737	0.00102422320467373	0.806357294561381
PCPG	SMARCA	cg17747332	-0.0139222352054166	184	-0.187839426661738	0.851211787280279	0.00019382863311494	0.920644122230623
PCPG	SMARCA	cg18522266	-0.163080282737903	184	-2.22992575338824	0.0269748064615064	0.0265951786178745	0.0911965560667715
PCPG	SMARCA	cg23892580	-0.0577253775778971	184	-0.780058667380968	0.436369623034858	0.00333221921651078	0.629439636104238
PCPG	SMARCA	cg01278696	-0.00404160294916758	184	-0.0545246500417541	0.956576975827536	1.63345543987201e-05	0.977100174074676
PCPG	SMARCA	cg01575392	-0.0679896971978518	184	-0.919358536137493	0.35912493413565	0.00462259892505558	0.558074451691912
PCPG	SMARCA	cg02782292	-0.0859635704165299	184	-1.16402084666715	0.245939218699697	0.00738973543875769	0.438931739189341
PCPG	SMARCA	cg05358385	-0.0474370873531557	184	-0.64068255892983	0.522534803401311	0.00225027725655092	0.702289161819709
PCPG	SMARCA	cg10878459	-0.0875406326205849	184	-1.18553904486925	0.237349949861971	0.00766336235961221	0.428776490248292
PCPG	SMARCA	cg12253543	-0.162766744075452	184	-2.22552170218328	0.0272741280731079	0.0264930129769237	0.0919387953600552
PCPG	SMARCA	cg13848802	-0.0891415743547291	184	-1.20739225576618	0.228847880798566	0.00794622027843969	0.418815094543231
PCPG	SMARCA	cg13898584	-0.0935503774247751	184	-1.26762269007149	0.206552126045234	0.00875167311631788	0.391151803640773
PCPG	SMARCA	cg16091845	-0.197227316135075	184	-2.71405195547212	0.00728559233820014	0.0388986142298448	0.0334260429285256
PCPG	SMARCA	cg16587443	0.0126553658734824	183	0.170274170595603	0.864984700823496	0.000160158285391703	0.928337448592082
PCPG	SMARCA	cg19993723	-0.0684298710271177	184	-0.925338490595455	0.3560151798289	0.00468264724878796	0.554799950419599
PCPG	SMARCA	cg20045045	0.0112485188944407	184	0.151760417744083	0.879543995534508	0.000126529177318589	0.936148382503975
PCPG	SMARCA	cg22077701	-0.214683399180875	184	-2.96537908366672	0.00342841741089848	0.0460889618838549	0.0183280857657667
PCPG	SMARCA	cg24607315	0.0790090161257746	184	1.06923242763506	0.286380999066382	0.00624242462916291	0.483678674830553
PCPG	SMARCB	cg01745726	-0.218569474379284	184	-3.02172451729871	0.00287551889615327	0.0477726151304363	0.0159159101392635
PCPG	SMARCB	cg01912455	-0.225333460814871	184	-3.12015978879205	0.00210225539646102	0.0507751685628069	0.0123693276105071
PCPG	SMARCB	cg03979008	0.0890394260635473	184	1.20599762899177	0.229383848260654	0.0079280193937259	0.419439585092594
PCPG	SMARCB	cg10122452	-0.00836532652797333	184	-0.112858373729175	0.910267224030649	6.99786879196144e-05	0.952432124092002
PCPG	SMARCB	cg16142952	0.160072848398954	184	2.18771087480575	0.0299650182905089	0.0256233167945547	0.0985915510443177
PCPG	SMARCB	cg19906397	0.110075573807789	184	1.49407987245232	0.136886448890061	0.012116631949114	0.296636240701785
PCPG	SMARCC	cg02564102	0.0751306656539771	184	1.01644086259261	0.310768801928744	0.0056446169216097	0.50963253461876
PCPG	SMARCC	cg02627110	-0.0952391258664285	184	-1.29071308813164	0.198440391968845	0.00907049109580141	0.381078051168213
PCPG	SMARCC	cg05592996	-0.327061676819611	184	-4.66908917197863	5.85661467302151e-06	0.106969340444056	8.18411140422194e-05
PCPG	SMARCC	cg07143957	0.103673225108794	184	1.40620573455246	0.161368084910107	0.0107481376044587	0.33161107347572
PCPG	SMARCC	cg07304068	-0.21086750062134	184	-2.91019485205936	0.00406295582073525	0.0444651028182907	0.0210043583943566
PCPG	SMARCC	cg07474652	-0.133945801583368	184	-1.82345947198587	0.0698743016080759	0.0179414777618111	0.184133376894369
PCPG	SMARCC	cg12894336	-0.144075836568149	184	-1.96418230324142	0.0510316344778431	0.0207578466828119	0.146444168821031
PCPG	SMARCC	cg16250355	-0.0890956712296391	184	-1.20676553737883	0.22908862293117	0.00793803863185994	0.419058510447409
PCPG	SMARCC	cg20685352	-0.241559794232945	184	-3.3582718660237	0.000955182929425257	0.0583511341898625	0.00646039826218992
PCPG	SMARCC	cg22984439	-0.0538065711353377	184	-0.726943397145582	0.468194620379906	0.00289514709734216	0.657200921994089
PCPG	SMARCD	cg02553054	-0.202487151300603	184	-2.78948543343282	0.00584119255677905	0.0410010464418335	0.0280829203239645
PCPG	SMARCD	cg04550398	-0.0695299015549417	184	-0.940285269261761	0.348317548625777	0.00483440721023988	0.547536126771479
PCPG	SMARCD	cg09878554	0.0674389666763725	184	0.911877379699385	0.36303951605339	0.00454801422637688	0.561979825128991
PCPG	SMARCD	cg13349421	-0.0615920794092171	184	-0.832503165175357	0.406216058689846	0.00379358424595131	0.602523872592242
PCPG	SMARCD	cg17846064	-0.0504724926607795	184	-0.681780114467293	0.49624467881025	0.00254747251539244	0.681049495299463
PCPG	SMARCD	cg18591973	0.0688531254001145	184	0.93108909881005	0.353040890520105	0.00474075287736389	0.552083583382687
PCPG	SMARCD	cg20405918	-0.126584551053972	184	-1.72156755486373	0.0868470127776229	0.0160236485655356	0.215356895066378
PCPG	SMARCD	cg22402853	-0.14394823401848	184	-1.96240587499775	0.0512396431153848	0.020721094077039	0.146873131780333
PCPG	SMARCD	cg25107077	-0.0143510233649007	184	-0.193625829807422	0.84668479856715	0.000205951871619926	0.91808370344186
PCPG	SMARCD	cg00945038	0.00094003897984515	184	0.0126818247795954	0.989895529750906	8.83673283628311e-07	0.994559762267891
PCPG	SMARCD	cg02127607	-0.0122480052180433	184	-0.165247019187343	0.868932961068575	0.000150013631821216	0.930522001147619
PCPG	SMARCD	cg02360836	-0.146902938926056	184	-2.00356585881277	0.0465999965923812	0.0215804734651126	0.137022343232706
PCPG	SMARCD	cg04367190	0.00348727044259723	184	0.0470461364192946	0.962528040232226	1.21610551398123e-05	0.980308528885038
PCPG	SMARCD	cg06420487	-0.148982162205767	184	-2.03256289042337	0.0435497416387755	0.0221956846555054	0.13036434512263

PCPG	SMARCD	cg07362569	0.00182559007919712	184	0.0246285976973608	0.980378190880793	3.33277913726294e-06	0.989857635808127
PCPG	SMARCD	cg11697258	-0.113924113824182	184	-1.54699208400943	0.12360223169999	0.0129787037106252	0.276357285189278
PCPG	SMARCD	cg12577610	-0.250021035558797	184	-3.48360609489826	0.000619651375954579	0.0625105182218934	0.00449674991987038
PCPG	SMARCD	cg15868002	-0.0540925281252383	184	-0.730818071749944	0.465830059313441	0.0029260015989797	0.655075626070676
PCPG	SMARCD	cg19016967	0.0261290383550675	184	0.352620391448563	0.724781069274824	0.00068272664536059	0.844066145256971
PCPG	SMARCD	cg19143629	-0.0871232281410708	184	-1.17984290936676	0.239602561706765	0.00759045688172107	0.431538219270661
PCPG	SMARCD	cg21254277	-0.143442192422258	184	-1.95536196312401	0.0520714998334906	0.020575662566904	0.148611426298575
PCPG	SMARCD	cg23682543	-0.208885346598844	184	-2.88158475609224	0.00443266150382642	0.0436330880237194	0.0225264220687662
PCPG	SMARCD	cg24795630	-0.125943725393066	184	-1.71271140439244	0.0884686705136338	0.015861821965884	0.218278837739855
PCPG	SMARCD	cg25945412	-0.0531181498634761	184	-0.717616125314227	0.473914077116469	0.00282153784491871	0.66184962866578
PCPG	SMARCD	cg00864064	0.114002990889797	184	1.54807726602318	0.123340798250863	0.0129966819318192	0.275945417552273
PCPG	SMARCD	cg02917064	0.314021161977113	184	4.46208738731122	1.41915328737851e-05	0.098609290169456	0.000177608769044923
PCPG	SMARCD	cg14795305	0.0486905732168564	184	0.657651778852112	0.511592816413271	0.00237077192018606	0.693666020913555
PCPG	SMARCD	cg19786287	0.0922027110322109	184	1.24920386415102	0.213194755663739	0.00850133992168938	0.39962586916546
PCPG	SMARCD	cg19902439	0.0520517688676135	184	0.703169979271749	0.482848342956108	0.00270938664224746	0.669841539168063
PCPG	SMARCD	cg22750243	0.200368579978027	184	2.7590722898424	0.00638895021215849	0.0401475678424111	0.0301298492243367
PCPG	SMARCD	cg22787816	0.186508967709604	184	2.56108218382539	0.0112456005072114	0.0347855950361019	0.0467254310664958
PCPG	SMNDC1	cg03999743	0.0594945044773726	184	0.804049012166388	0.422417636154383	0.00353959606300811	0.6174663206876
PCPG	SMNDC1	cg08770590	-0.15743001795265	184	-2.15066554187875	0.0328216121884995	0.0247842105525718	0.105535442613546
PCPG	SMNDC1	cg11559952	0.0109451484965562	184	0.147666971199148	0.882769062306146	0.000119796275611666	0.937761312445984
PCPG	SMNDC1	cg12486840	-0.00691797399227759	184	-0.0933308049556285	0.925743421333065	4.78583641578292e-05	0.960896671281215
PCPG	SMNDC1	cg17981675	-0.0750587464928524	184	-1.01546235471919	0.311233512750006	0.00563381542507829	0.510158025513568
PCPG	SMNDC1	cg18209001	0.0456253472987734	184	0.616161243644525	0.538557973911682	0.00208167231613369	0.714215220035209
PCPG	SMNDC1	cg21872391	-0.0191967599814539	184	-0.259026182965862	0.795907770629419	0.00036851559378555	0.888231610551802
PCPG	SMNDC1	cg23721301	-0.0247865647727991	184	-0.334491807731052	0.738393622487911	0.000614373793236163	0.852689781270593
PCPG	SMNDC1	cg26944434	0.170885738176696	184	2.33979097708689	0.0203789680581045	0.0292019355121944	0.0738545346646876
PCPG	SMYD1	cg00578637	-0.138884293373445	184	-1.89198753304807	0.0600805403038577	0.0192888469458412	0.164829508830523
PCPG	SMYD1	cg00666842	0.0295477970212915	184	0.398795701942624	0.690511243090752	0.000873072308811442	0.822175089460665
PCPG	SMYD1	cg03704645	0.0365576432866304	184	0.493519466599716	0.622240596454427	0.00133646128267251	0.776219251476471
PCPG	SMYD1	cg14559139	-0.132398429196261	184	-1.80201637291855	0.0731976766093156	0.0175293440536372	0.190523795050632
PCPG	SMYD1	cg16090764	-0.0233291804990212	184	-0.314813532073794	0.753263862777004	0.000544250662755912	0.861968379283349
PCPG	SMYD1	cg18148488	-0.114483115513001	184	-1.55468340846163	0.12175867828768	0.0131063837375631	0.273424849433358
PCPG	SMYD1	cg19074493	-0.055560465495491	184	-0.750711264319251	0.453795930561651	0.00308696532607565	0.644090505785679
PCPG	SMYD2	cg01770831	-0.197025075493039	184	-2.71115645727767	0.00734698246246563	0.0388188803730377	0.0336404445959418
PCPG	SMYD2	cg04406444	-0.137588112493018	184	-1.87398761834956	0.0625347755103435	0.0189304886993913	0.169677734507051
PCPG	SMYD2	cg11523160	-0.0359902166470459	184	-0.485849328861283	0.627658413176565	0.0012952956943013	0.779938640598319
PCPG	SMYD2	cg14013804	0.0395449446016997	184	0.533908096355675	0.594056621923488	0.0015638026435515	0.755776687867145
PCPG	SMYD2	cg27570636	0.0394800377021565	184	0.533030399771379	0.594662798395039	0.0015586733769637	0.756186111420038
PCPG	SMYD5	cg01329511	-0.0114154936993907	184	-0.154013464996712	0.877769763299951	0.000130313496400828	0.935124850810071
PCPG	SMYD5	cg05103132	-0.10013189960209	184	-1.35767662863565	0.176247278180009	0.0100263973179231	0.352166079619068
PCPG	SMYD5	cg06754047	-0.0274894412279549	184	-0.370993037896833	0.71107419186153	0.000755669379025187	0.835511008829255
PCPG	SMYD5	cg08834152	0.124554875705068	184	1.69352509341635	0.0920663351434659	0.015513917061905	0.224429181717507
PCPG	SMYD5	cg15623359	-0.0271429682411886	184	-0.36631362517484	0.714556538351839	0.000736740724942173	0.837651236318119
PCPG	SMYD5	cg17895873	-0.106167110020153	184	-1.44041340134932	0.151468517173074	0.0112714552500314	0.317798743863264
PCPG	SMYD5	cg20402064	0.0389128741568026	184	0.525361277882183	0.599971515033742	0.00151421177514316	0.760103966135248
PCPG	SMYD5	cg25886337	-0.076267876711326	184	-1.03191550370389	0.303481014931629	0.00581678901805403	0.501968370759751
PCPG	SMYD5	cg26467949	0.0195921453217421	184	0.26436323390521	0.791799166131428	0.000383852158308261	0.885768457888559
PCPG	SP100	cg05876232	0.181099059181374	184	2.48423708853138	0.0138865974335892	0.0327968692363787	0.0550356085765264
PCPG	SP100	cg09456094	-0.554043141650097	184	-8.97844895796065	3.39919811294396e-16	0.306963802809509	3.06061594905512e-14
PCPG	SP100	cg11702456	-0.341527178877682	184	-4.90221438368864	2.0894693924996e-06	0.116640813912148	3.28247540226401e-05
PCPG	SP100	cg11827097	-0.347250084652183	184	-4.99551804872577	1.36971104208453e-06	0.120582621290948	2.25704937106385e-05
PCPG	SP100	cg23539753	-0.135975630266447	184	-1.85160894946597	0.0657020597583047	0.0184893720263574	0.175933706348532
PCPG	SP100	cg27140170	0.177316336148973	184	2.43064436809169	0.0160420683508071	0.0314410830652954	0.0614191970708541
PCPG	SP140L	cg04002454	-0.351197502790094	184	-5.06024378105139	1.01857803276342e-06	0.123339685965998	1.73618009379486e-05
PCPG	SP140L	cg05217331	0.403948876465546	184	5.95723450373512	1.29832154431893e-08	0.163174694797777	3.46727175484884e-07
PCPG	SP140L	cg13278004	-0.441855551539838	184	-6.64479869118083	3.40884127312529e-10	0.195236328426574	1.22601663431118e-08
PCPG	SP140L	cg24044052	-0.0644603469930857	184	-0.871429964261716	0.384667491050793	0.00415513633446901	0.582792651226593

PCPG	SP140L	cg25095994	-0.277963831615886	184	-3.90377902054155	0.000133260510173244	0.0772638916865845	0.00123121949268614
PCPG	SP140L	cg26847438	-0.500829861873807	184	-7.8061318096992	4.48348589928981e-13	0.250830550544537	2.66047522539551e-11
PCPG	SSRP1	cg01511567	0.10435654385181	184	1.41557586137061	0.158608656563117	0.0108902882446947	0.327802179237298
PCPG	SSRP1	cg01766191	-0.3490480197291	184	-5.02496095786267	1.19744708756218e-06	0.121834520076806	2.00720100689102e-05
PCPG	SSRP1	cg02688348	0.0618607232188789	184	0.83614818056251	0.404167982357362	0.00382674907716274	0.600631237478196
PCPG	SSRP1	cg04937561	-0.173003884688749	184	-2.36968210582587	0.0188500588312474	0.029930344117398	0.0695777887985414
PCPG	SSRP1	cg08821673	-0.32517634706811	184	-4.63898166460597	6.67308696636605e-06	0.10573965669256	9.16051045458762e-05
PCPG	SSRP1	cg09381635	-0.302555135929612	184	-4.28239995172865	2.98841702252512e-05	0.0915396102773859	0.000339934074938323
PCPG	SSRP1	cg11948159	0.0788181066191493	184	1.06663267102471	0.287550607199282	0.00621229393102758	0.485043299647887
PCPG	SSRP1	cg12795368	-0.101994310456789	184	-1.38319184553312	0.168300489410177	0.0104028393655558	0.341384237410704
PCPG	SSRP1	cg12911972	-0.187695790512845	184	-2.57797241632885	0.0107292393844021	0.035229709776242	0.0450345553399253
PCPG	SSRP1	cg16313264	0.171768473893647	184	2.352243990424	0.0197292263154664	0.0295044086237524	0.0720739813094806
PCPG	SSRP1	cg22636253	-0.22206698235532	184	-3.07256498819395	0.00244833057988283	0.0493137446523981	0.013991436798017
PCPG	SSRP1	cg26706201	-0.0821598285480048	184	-1.11215670207478	0.267537676348944	0.00675023742703754	0.463307960710783
PCPG	STK31	cg00755064	-0.032124886159853	184	-0.43361221189111	0.665083582733678	0.00103200831078352	0.805585156092295
PCPG	STK31	cg05000488	0.11094489219212	184	1.50602578471767	0.133794175074312	0.0123087691035212	0.291877507848988
PCPG	STK31	cg05407490	0.106884477186641	184	1.45025831422528	0.148707666037686	0.0114242914634616	0.313894021753785
PCPG	STK31	cg11755819	0.0559840796209218	184	0.756452900037204	0.450355763707467	0.00313421717100171	0.641186135052775
PCPG	STK31	cg13313214	0.120929630807954	184	1.64349136061896	0.102007711951105	0.0146239756073481	0.241666045726597
PCPG	STK31	cg13514718	0.189287239392395	184	2.6006394573025	0.0100696965909614	0.0358296589967939	0.0428652244376061
PCPG	STK31	cg13802883	0.147436289008969	184	2.01100140075048	0.0458010432605436	0.0217374593167361	0.135332693947004
PCPG	STK31	cg14898779	0.123216642727346	184	1.67504759531068	0.09564221692451	0.0151823410449985	0.230648870044434
PCPG	STK31	cg17102984	0.181675582502242	184	2.49241507592352	0.0135814067564948	0.0330060172775291	0.054112776297811
PCPG	STK31	cg17331904	0.0762254817405103	184	1.03133854028423	0.303750663971496	0.00581032406657287	0.502252575093491
PCPG	STK31	cg21519371	0.195591306605331	184	2.69063935337743	0.00779555918442043	0.0382559592195807	0.0352319602156976
PCPG	STK31	cg25570411	0.215904555928622	184	2.98306895670203	0.0032451271382192	0.0466147772707355	0.0175459702940384
PCPG	STK31	cg25612145	-0.072884662759242	184	-0.985889954087451	0.325495952519223	0.00531217406552843	0.524887693923976
PCPG	SUV39H	cg05903800	-0.0396879733086347	184	-0.535842210606414	0.592721843057058	0.0015751352253469	0.754964356846892
PCPG	SUZ12	cg00160853	0.071632187315325	184	0.968859929614646	0.333900839134459	0.00513117025957781	0.533497953944959
PCPG	SUZ12	cg01109633	0.0874879882219002	184	1.184820595282	0.237633235927245	0.00765414808311534	0.429158695229921
PCPG	SUZ12	cg07482957	-0.210372864760023	184	-2.90305185586793	0.0041525179462803	0.0442567422273391	0.0213906092645298
PCPG	SUZ12	cg08177746	-0.0390940803339657	184	-0.527811471860751	0.598273092775125	0.00152834711715857	0.758809389044173
PCPG	SUZ12	cg17335595	-0.526713502496234	184	-8.35928852198757	1.59227614225517e-14	0.27742711371185	1.16858047368489e-12
PCPG	SUZ12	cg25098644	-0.0425744079332526	184	-0.574881409978169	0.56608146514967	0.001812580210867	0.735217461502672
PCPG	TAF3	cg00194465	-0.215966201984684	184	-2.98396235981631	0.00323611357839905	0.0466414003996895	0.0175142763091772
PCPG	TAF3	cg02334915	-0.255818492549831	184	-3.56997155358671	0.000456696671782175	0.0654431011304679	0.00347498639325338
PCPG	TAF3	cg03672997	-0.0603365446683464	184	-0.815470202083051	0.415869114633672	0.00364049862251536	0.611495042850848
PCPG	TAF3	cg04179819	-0.0315070558208748	184	-0.425264552785199	0.671146223341855	0.000992694566499718	0.809550489947224
PCPG	TAF3	cg04234156	-0.266836439839423	184	-3.73525385235638	0.000250749432463814	0.0712016856261778	0.00209795669489029
PCPG	TAF3	cg05976695	-0.14068768835805	184	-1.91704758753119	0.0567982128849018	0.0197930256555318	0.158206887936126
PCPG	TAF3	cg07855525	-0.133498451266944	184	-1.8172588152725	0.0708222276196408	0.0178218364906726	0.185928699206158
PCPG	TAF3	cg09871669	-0.13769251728108	184	-1.87543711088124	0.0623340939693226	0.0189592293152005	0.169286734377709
PCPG	TAF3	cg09994553	-0.115296297814358	184	-1.56587468699584	0.119115010501874	0.0132932362896971	0.269349566229189
PCPG	TAF3	cg11104088	-0.0229435244103208	184	-0.309606566592864	0.757214350407302	0.000526405312366985	0.864610871784079
PCPG	TAF3	cg12176426	-0.138304517750954	184	-1.88393503617365	0.0611683375319185	0.0191281396303239	0.166930809301834
PCPG	TAF3	cg12590721	-0.14188579318073	184	-1.93370724957382	0.0547004751375798	0.0201315783065249	0.154073962230815
PCPG	TAF3	cg12777293	-0.0320987726386333	184	-0.433259375619117	0.665339393622784	0.00103033120490667	0.805794638158777
PCPG	TAF3	cg27268107	-0.10002354720552	184	-1.35619263630264	0.17671800755302	0.0100047099955749	0.352746790844421
PCPG	TCEA1	cg01677098	-0.156692289072657	184	-2.14033307692696	0.0336591351066883	0.0245524734548292	0.107530645825211
PCPG	TCEA1	cg06047473	0.00856410486308936	184	0.11554032833832	0.908144236622051	7.33438921059908e-05	0.951298360516742
PCPG	TCEA1	cg11530293	0.141572063451863	184	1.92934399899952	0.055243486503527	0.0200426491500184	0.155108898319656
PCPG	TCEA1	cg11787876	0.0125856318502783	184	0.169802905123386	0.865353737583784	0.00015839812907074	0.928512062161531
PCPG	TCEA1	cg12850379	0.0275811963530543	184	0.372232291335132	0.710152972358016	0.000760722392265734	0.834939865589097
PCPG	TCEA1	cg23569945	-0.0386215413152734	184	-0.521422106018052	0.602706665927248	0.00149162345356737	0.761993147779112
PCPG	TCEA1	cg26181865	-0.142758770031582	184	-1.94585146057932	0.0532126957694856	0.0203800664209301	0.150965626880543
PCPG	TCEA1	cg26358945	-0.110116377850461	184	-1.49464051149514	0.136740091280497	0.0121256166709054	0.296401645659533
PCPG	TDRD1	cg00337703	-0.176661000125904	184	-2.42137110420666	0.0164437470435715	0.0312091089654847	0.062611955239959

PCPG	TDRD1	cg02635786	-0.191149356776821	181	-2.60544601242331	0.00994754354088029	0.0365380765961923	0.0424451076250133
PCPG	TDRD1	cg16550453	-0.526574904524978	184	-8.35624480497061	1.62222910928382e-14	0.27728113007549	1.18832101061794e-12
PCPG	TDRD1	cg23504215	-0.361055810906675	184	-5.22324748203226	4.77566723361321e-07	0.130361298589477	8.84567278027872e-06
PCPG	TDRD1	cg23825092	-0.624113047993221	184	-10.7761146482803	2.94244996059178e-21	0.389517096675388	4.33532106504312e-19
PCPG	TDRD1	cg24203376	-0.0668978939157844	184	-0.904528230335487	0.366911139400261	0.00447532821036755	0.565777704231991
PCPG	TDRD1	cg26600802	-0.304641380144092	184	-4.31493832233185	2.61573647590323e-05	0.0928063704960969	0.000302630284661535
PCPG	TDRD1	cg27547703	-0.363301757263921	185	-5.24618936952476	4.30910730212157e-07	0.131988166831053	8.07376429338259e-06
PCPG	TDRD3	cg01557749	-0.0566828185284071	184	-0.765924454423505	0.444713454994305	0.00321294191632434	0.636693938160498
PCPG	TDRD3	cg03447530	0.0428950314651512	184	0.57921873413157	0.563157803334197	0.00183998372439631	0.733162015177912
PCPG	TDRD3	cg05666423	-0.0857664272629175	184	-1.16133155357055	0.24702793934919	0.00735588004544532	0.440248597139375
PCPG	TDRD3	cg10765900	0.124112354481629	184	1.68741399891568	0.0932368127090255	0.0154038765349735	0.226522942157587
PCPG	TDRD3	cg18522102	0.0401852069234646	184	0.542566339389457	0.588092183548669	0.00161485085548167	0.751736783906213
PCPG	TDRD3	cg19937698	0.0982670606899631	184	1.33214259047325	0.184479027592478	0.0096564152166449	0.362939696336281
PCPG	TDRD3	cg20944895	-0.108235283028175	184	-1.46880256441306	0.143612647377328	0.0117148764921892	0.306591720364212
PCPG	TDRD3	cg22045829	0.169581683842712	184	2.32140490735334	0.0213726667401262	0.0287579474949296	0.0766059686252181
PCPG	TDRD3	cg23103367	0.0987373484785579	184	1.33858059097237	0.182376955483506	0.00974906398457618	0.360079002966445
PCPG	TDRD3	cg23767211	0.0393317196916883	184	0.531024810736664	0.596049016078078	0.00154698417390554	0.75726804868007
PCPG	TDRD3	cg26737458	-0.104067017000866	184	-1.41160542755362	0.159773488781915	0.0108299440274585	0.32947502852729
PCPG	TDRD5	cg05378938	-0.094775884781482	184	-1.28437804368458	0.200642168889682	0.00898246833611275	0.383667794572768
PCPG	TDRD5	cg07171496	-0.168357595542685	184	-2.30415771711565	0.0223432307898239	0.0283442799769144	0.0791169469357541
PCPG	TDRD5	cg07901138	-0.14746346516696	184	-2.01138031704799	0.045760641961766	0.0217454735590473	0.135259826770532
PCPG	TDRD5	cg09656934	0.121324663255615	184	1.64894011328924	0.100884929785322	0.0147196739140884	0.239736146492327
PCPG	TDRD5	cg11853788	0.136971699679747	184	1.8654310139079	0.0637304392364211	0.0187612465131588	0.172010054121991
PCPG	TDRD5	cg12277666	-0.174525745135853	184	-2.39117938593821	0.0178139178279818	0.0304592357152245	0.0666225625455515
PCPG	TDRD5	cg13848905	-0.167697245710264	184	-2.29485806469113	0.0228824234568652	0.0281223662188086	0.0806102092289711
PCPG	TDRD5	cg15545772	-0.0911314542967516	184	-1.23456772860447	0.218583018980034	0.00830494196224093	0.40638202463012
PCPG	TDRD7	cg24339935	-0.0776138650677493	184	-1.05023632874668	0.295002004895107	0.00602391205075479	0.49288859708361
PCPG	TDRD9	cg07613153	0.0601056912669127	184	0.812338800428832	0.417658514118927	0.00361269412267343	0.613078597795494
PCPG	TDRD9	cg08933517	-0.00819938190513723	184	-0.110619427989949	0.912040029046257	6.72298636262918e-05	0.953299770508344
PCPG	TDRD9	cg16701547	-0.0410427128681682	184	-0.554163410229951	0.580147282891729	0.0016845042795789	0.745985184685
PCPG	TRIM24	cg00733782	-0.102558232684892	184	-1.39092052295637	0.16594769481964	0.0105181910914485	0.338177421011251
PCPG	TRIM24	cg02308366	-0.169404788579621	184	-2.31891180236741	0.0215106339198211	0.0286979823937062	0.0770157518022164
PCPG	TRIM24	cg06386929	-0.00643839660047779	184	-0.0868605191961224	0.930877871384847	4.1452950785044e-05	0.963434277178975
PCPG	TRIM24	cg06650216	0.0293899777177601	184	0.396663826702912	0.692080092247191	0.000863770790250437	0.823173743540676
PCPG	TRIM24	cg10571650	0.129802408231479	184	1.76607139943719	0.079060437477483	0.0168486651826917	0.20131014902865
PCPG	TRIM24	cg10703331	-0.0431493086376252	184	-0.582658666835016	0.560844279862718	0.00186186283590504	0.731414200825459
PCPG	TRIM24	cg13935558	0.236560229126825	184	3.28459932067127	0.00122495907866065	0.0559607420045359	0.0079524715484709
PCPG	TRIM24	cg26889928	0.100895428456945	184	1.36813529159361	0.172956435814493	0.0101798874835105	0.34781752062229
PCPG	TRIM33	cg00760200	-0.169002177387392	184	-2.31323838940328	0.0218275150905972	0.0285617359616795	0.0778279268932955
PCPG	TRIM33	cg02852257	-0.246461418025262	184	-3.43077684262755	0.000744730542736922	0.060743230575023	0.00525206851977845
PCPG	TRIM33	cg05792124	0.027873636451481	184	0.376182078073823	0.707219687476803	0.000776939609029331	0.833129258224601
PCPG	TRIM33	cg16036305	-0.12511710819827	184	-1.7012908482349	0.0905961372476279	0.0156542907638975	0.221811415026184
PCPG	TRIM33	cg17645130	-0.058448679244486	184	-0.789866136214435	0.430633834784355	0.00341624810542481	0.62462902584629
PCPG	TRIM33	cg18199720	0.235274522426688	184	3.26569839467699	0.00130480518964277	0.0553541009031062	0.00837382412782401
PCPG	TRIM33	cg20932765	-0.442876630685395	184	-6.66389538734423	3.0709022901716e-10	0.196139710007247	1.11791189874408e-08
PCPG	TRIM33	cg20992663	0.0370282670193856	184	0.499881442188722	0.617762387152711	0.00137109255845892	0.772988194527452
PCPG	TRIM33	cg21666217	-0.0412278680305197	184	-0.55666764341993	0.578438368997327	0.00169973710234195	0.744708258572274
PCPG	TRIM33	cg21813112	-0.294577548060641	184	-4.15859533948804	4.92727243763426e-05	0.0867759318214193	0.000523436067203769
PCPG	TRIM66	cg06492264	-0.179427953906052	184	-2.46054737472324	0.0148053999944613	0.0321943906429122	0.0577937321074374
PCPG	TRIM66	cg11245569	-0.171673157426336	185	-2.34443164241123	0.0201406826215608	0.0294716729807276	0.0732366207283211
PCPG	TRIM66	cg12608775	-0.148917642418513	184	-2.03166267946933	0.0436418145402906	0.0221764642234881	0.130564601020935
PCPG	TRIM66	cg13143389	-0.164843190786524	184	-2.25470101587978	0.0253436829296296	0.0271732775486824	0.0870842080312548
PCPG	TRIM66	cg27044202	-0.0238716502956091	184	-0.322137968496052	0.74771789363812	0.000569855687835853	0.858415717034383
PCPG	UBE2A	cg00142683	-0.0698561808360862	184	-0.944719283022726	0.346054685637861	0.00487988600100398	0.545356498956968
PCPG	UBE2A	cg00428314	-0.0907063151524024	184	-1.22876043003932	0.220748075369863	0.00822763560852694	0.408985109798355
PCPG	UBE2A	cg00935924	-0.0953343833473126	184	-1.29201588471288	0.197989815088262	0.00908864464821236	0.380513357255206
PCPG	UBE2A	cg05206294	0.0445611331872227	184	0.601760306327876	0.548082567069474	0.0019856945909294	0.721300839467496

PCPG	UBE2A	cg06206449	0.0830960701293541	184	1.12491775648274	0.262105244386388	0.00690495687094254	0.457456652722381
PCPG	UBE2A	cg06273903	-0.0951190886244631	184	-1.28907144010967	0.199009237776747	0.00904764102074846	0.381727559819617
PCPG	UBE2A	cg09080960	0.022876581272321	184	0.30870274279362	0.757900730239107	0.000523337970709106	0.865012681859437
PCPG	UBE2A	cg14625604	-0.0784739245876997	184	-1.06194598670888	0.289667305707074	0.00615815684019598	0.487135008975035
PCPG	UBE2A	cg15661671	-0.114930635192426	184	-1.56084192606069	0.120298211598413	0.0132090509057344	0.271181373151394
PCPG	UBE2A	cg16211147	-0.0793753007456371	184	-1.07422072918826	0.284145888319295	0.00630043836846035	0.481419227195557
PCPG	UBE2A	cg17976175	0.0252752992924396	184	0.341091398535845	0.733428221861199	0.000638840754322396	0.849577691419927
PCPG	UBE2A	cg18990292	-0.0194362122015346	184	-0.262258378907941	0.793418850519994	0.000377766344743082	0.886819533475647
PCPG	UBE2A	cg25165659	-0.0500752397669629	184	-0.676400497552728	0.499645088892617	0.00250752963771883	0.683766492722659
PCPG	UHRF2	cg06523306	0.134253810129308	184	1.82772939255882	0.0692276611733252	0.0180240855342364	0.182856738874021
PCPG	UHRF2	cg08487038	0.0609343999878576	184	0.823580398186939	0.411255914860269	0.00371300110188022	0.607082403048194
PCPG	UHRF2	cg13428749	0.124567486868515	184	1.69369926508638	0.0920331507185944	0.0155170587847376	0.224376411890135
PCPG	UHRF2	cg14078101	0.104417106804592	184	1.41640643894222	0.158365806393312	0.0109029321934416	0.32747427082112
PCPG	UHRF2	cg20595300	0.155038866489906	184	2.11718892247655	0.0356022525717878	0.024037050122475	0.112276700039308
PCPG	UHRF2	cg24119045	0.178362237896767	184	2.44545121273107	0.0154187127456703	0.0318130879075429	0.0596579796745585
PCPG	USP27X	cg00478198	0.00803082767767173	184	0.108345282492134	0.913841157281864	6.44941931884583e-05	0.954541119937501
PCPG	USP27X	cg01125381	-0.107439352650605	184	-1.45787481454805	0.146598445951894	0.011543214497981	0.310909721773714
PCPG	USP27X	cg01290688	-0.12079171947793	184	-1.64158931191676	0.102402005610686	0.0145906394944349	0.242312374512644
PCPG	USP27X	cg01855997	-0.0193375913089336	184	-0.260927159884596	0.794443687054306	0.000373942437631346	0.88745067116645
PCPG	USP27X	cg06455206	0.0362987591079186	184	0.490019964535878	0.62470994143139	0.0013175999127747	0.777790521961391
PCPG	USP27X	cg06624970	0.015765946832203	184	0.212720690259826	0.831782896348768	0.000248565079515851	0.909778959897532
PCPG	USP27X	cg16810342	0.0716269857024694	184	0.968789212466347	0.333936032114329	0.00513042508082176	0.533521311145612
PCPG	USP27X	cg16867483	0.0516247417055336	184	0.697385768394327	0.486451304095323	0.00266511395616306	0.672943767240892
PCPG	USP27X	cg19318186	0.0271179714480329	184	0.365976027327407	0.71480800639144	0.000735384375456329	0.837840338068061
PCPG	USP51	cg00834229	-0.0622993851294436	184	-0.842100429603047	0.400836932446842	0.00388121338750674	0.597392779853053
PCPG	USP51	cg01084827	-0.00436172470544514	184	-0.0588434430646194	0.953141364548364	1.90246424060905e-05	0.975242720912199
PCPG	USP51	cg02714202	-0.188484424361308	184	-2.58920230186094	0.010397791406596	0.0355263782268138	0.043937304980159
PCPG	USP51	cg03728850	-0.115908413058714	184	-1.57430091898384	0.117154613083794	0.0134347602177895	0.266341096181672
PCPG	USP51	cg07386410	0.00906038591062545	184	0.122236305870232	0.902846739947551	8.20905928494602e-05	0.948623167037814
PCPG	USP51	cg12064531	0.0187232562121821	184	0.252634821641612	0.800835519192199	0.000350560323187017	0.891256531286917
PCPG	USP51	cg12517811	-0.00044817060467739	184	-0.0060461526184635	0.995182519658318	2.00856890896904e-07	0.997529073640324
PCPG	USP51	cg18770944	0.00410904150484995	184	0.0554344685642734	0.955853142989146	1.68842220885795e-05	0.976565972442971
PCPG	USP51	cg21331369	0.031565283293255	184	0.426051257644906	0.670573934752972	0.000996367109383442	0.809111094087115
PCPG	USP51	cg25424556	-0.050373122508406	184	-0.680434408979144	0.497094118875611	0.00253745147124687	0.68158904144081
PCPG	WDR82	cg01736403	0.016155318665431	184	0.217975611420333	0.827692315074848	0.000260994321181622	0.907392736276725
PCPG	WDR82	cg03869063	-0.330738376047697	184	-4.72798381885802	4.52918620368251e-06	0.109387873390668	6.52367175577258e-05
PCPG	WDR82	cg10989431	0.0119952056168086	184	0.161835814281863	0.871614671308612	0.000143884957789516	0.931905715146605
PCPG	WDR82	cg11442381	-0.0767665900016432	184	-1.03870303706238	0.300320844118567	0.00589310934048039	0.498613315699756
PCPG	WDR82	cg11665333	-0.359540871526943	184	-5.19806991674148	5.37413674823258e-07	0.129269638298353	9.8579484600803e-06
PCPG	WDR82	cg12661343	-0.0846293665166964	184	-1.1458232145055	0.253372666463663	0.00716212967701733	0.447406213208856
PCPG	WDR82	cg13539115	-0.323463011201693	184	-4.61167445469969	7.50773588613239e-06	0.104628319615667	0.000101628119980126
PCPG	WDR82	cg15991175	-0.0516612677953656	184	-0.697880510180788	0.486142559458698	0.00266888659022447	0.672670052569434
PCPG	WDR82	cg17632831	-0.101898391550698	184	-1.3818773902621	0.168703140992026	0.0103832822006193	0.341903956071644
PCPG	WDR82	cg24007312	-0.222915666809021	184	-3.08492034946005	0.00235376382068971	0.0496913945089104	0.0135626029676865
PCPG	WDR82	cg26236504	0.0302398968065737	184	0.408145168890836	0.683646857976104	0.000914451358872225	0.817755236712911
PCPG	WDR82	cg26858096	-0.291025152676559	184	-4.10377417429251	6.12731158299717e-05	0.0846956394904142	0.000634048926638898
PCPG	ZMYND1	cg00614684	-0.0631982856643745	184	-0.854299238788184	0.394062289090883	0.00399402331091588	0.590793457525413
PCPG	ZMYND1	cg02813021	-0.217045732375691	184	-2.99961349147213	0.00308189408905393	0.0471088499425002	0.0168200413051678
PCPG	ZMYND1	cg02867818	-0.233045776333179	184	-3.23297695250573	0.00145458478234914	0.0543103338667343	0.00916852767445055
PCPG	ZMYND1	cg03254875	-0.202661303073023	184	-2.79198727817388	0.00579809008419446	0.0410716037632558	0.0279188301565873
PCPG	ZMYND1	cg05236965	-0.147135031817243	184	-2.00680129306587	0.0462509053305168	0.021648717587861	0.136284342611349
PCPG	ZMYND1	cg08828193	-0.0913306990897728	184	-1.23728959865853	0.217573571793883	0.00834129659622663	0.405100723855569
PCPG	ZMYND1	cg12639781	-0.0711255855246802	184	-0.961972931359591	0.337339530531184	0.0050588489162286	0.536908045299376
PCPG	ZMYND1	cg13939078	-0.200366280590042	184	-2.75903930298565	0.00638956881582588	0.0401466463974875	0.0301309399562562
PCPG	ZMYND1	cg14255089	-0.0378328977543386	184	-0.510759357877209	0.610138547589024	0.00143132815249024	0.767435498894736
PCPG	ZMYND1	cg14694828	-0.0700637824670518	184	-0.947540670286219	0.344619740474374	0.00490893361359035	0.543866354738172
PCPG	ZMYND1	cg17632565	-0.129207311040948	184	-1.75783681033774	0.0804563892571119	0.0166945292264322	0.203843815204943

PCPG	ZMYND1	cg22593633	-0.0748746377136161	184	-1.01295750528098	0.31242521503554	0.00560621137274526	0.511477411121279
PCPG	ZMYND1	cg24757747	-0.103615720856356	184	-1.40541728952959	0.161601932867411	0.0107362176085822	0.331957014724487
PRAD	ACTL6A	cg03667091	0.0143986449277675	503	0.321996868506378	0.747589644652243	0.000207320975755924	0.858350397706137
PRAD	ACTL6A	cg03839554	-0.0678252975319286	503	-1.52012027181352	0.129112837259903	0.00460027098529464	0.284772307612399
PRAD	ACTL6A	cg07261848	-0.131431278512342	503	-2.9646098794936	0.00317536124742064	0.0172741809713887	0.0172514877353056
PRAD	ACTL6A	cg10112003	0.0437187887061871	503	0.97851741774066	0.328291684402941	0.00191133248593623	0.527896882871544
PRAD	ACTL6A	cg20132173	0.0480975605172423	503	1.07674032206634	0.282115531967992	0.00231337532770979	0.479239246104707
PRAD	ACTL6A	cg22619386	0.0621064623572805	503	1.39142882790701	0.16471417525683	0.0038572126665363	0.336425502781187
PRAD	ACTL6A	cg25198545	0.0550274137146299	503	1.23231753019292	0.21840965379462	0.00302801626012104	0.406093704763352
PRAD	ACTL6A	cg25575835	0.0656054323722361	503	1.47014929120037	0.142150291923313	0.00430407275674805	0.30448084500901
PRAD	ACTL6B	cg05729836	0.0541825479573879	503	1.21334094528833	0.225572367991073	0.00293574850315464	0.414958424070031
PRAD	ACTL6B	cg08572611	-0.0495470982659049	503	-1.10926921556133	0.267847298024529	0.00245491494657124	0.463560388350775
PRAD	ACTL6B	cg09375063	-0.0343121187621723	503	-0.767694344658651	0.443031177893085	0.00117732149394942	0.635318789727686
PRAD	ACTL6B	cg14088161	-0.00625087465513383	503	-0.139776537278423	0.888892837085067	3.90734339541945e-05	0.941044972270409
PRAD	ACTL6B	cg16024950	-0.0353611258808192	502	-0.790402035317621	0.429668478672154	0.00125040922355914	0.623717221731663
PRAD	ACTL6B	cg20497359	0.0111090466164451	503	0.248421163410578	0.803910558524315	0.000123410916726351	0.893305403445851
PRAD	ACTL6B	cg24471254	-0.126945764349643	503	-2.86174608522983	0.00438971658619127	0.0161152270863152	0.0223618437532777
PRAD	ACTL6B	cg26990587	-0.0476231610647943	503	-1.06609587499272	0.286894815283457	0.00226796546980334	0.484273119538292
PRAD	AEBP2	cg02664216	0.137062959679683	503	3.09402127804761	0.00208516230288555	0.0187862549161545	0.0122991217067767
PRAD	AEBP2	cg07849438	0.0492022651649436	503	1.10153023031889	0.271195925020801	0.00242086289736142	0.467501679468804
PRAD	AEBP2	cg08161947	-0.00798440555707771	503	-0.178542427051452	0.858369322419473	6.37507320998934e-05	0.924683003092162
PRAD	AEBP2	cg24304000	-0.0290121823960838	503	-0.649005313701304	0.516632927470246	0.000841706727383635	0.697709438700557
PRAD	AEBP2	cg26259627	0.105881042827506	503	2.38095591405561	0.0176412749325694	0.0112107952302401	0.0661135630650497
PRAD	AFF4	cg00931577	0.103007242313796	503	2.31562970656047	0.0209822489095189	0.010610491969093	0.0755516348839209
PRAD	AFF4	cg01907658	-0.0318437090336433	503	-0.712408270922209	0.476544294244566	0.00101402180501933	0.664280779739336
PRAD	AFF4	cg05619425	0.22691119552192	503	5.20978342160458	2.76897218940073e-07	0.0514886906531872	5.41910496860982e-06
PRAD	AFF4	cg06638012	0.0618570329209408	503	1.38581912064735	0.166419916775668	0.00382629252178236	0.338841891898197
PRAD	AFF4	cg13393914	-0.0137084755304615	503	-0.306559637589735	0.75930619706605	0.000187922301369263	0.866006924226367
PRAD	AFF4	cg13565585	0.0178584017132099	503	0.399389694263221	0.689776624172888	0.000318922511750379	0.821702846700136
PRAD	AICDA	cg07999668	0.0347829358380537	503	0.778241010853491	0.436795057144244	0.00120985262551416	0.629797534088913
PRAD	AIRE	cg08089567	0.0461173894316042	503	1.03231453174562	0.302423857145268	0.00212681360798624	0.500768258797759
PRAD	AIRE	cg09510531	0.0416166803265893	503	0.931384166121485	0.352104365767238	0.00173194808140553	0.550983767761526
PRAD	AIRE	cg11923631	0.0670888184223565	503	1.50353904782473	0.133331438361955	0.00450090955730792	0.291252511375372
PRAD	AIRE	cg12843033	0.132807327215991	503	2.99620285894033	0.00286938955066641	0.0176377861622552	0.0158944240034565
PRAD	AIRE	cg15955655	0.00221540169673094	503	0.0495380094801278	0.960510329228058	4.90800467787831e-06	0.97926632863907
PRAD	AIRE	cg16501323	0.0495095946990505	503	1.10842751510352	0.268210110869907	0.00245119996726425	0.463968721287353
PRAD	AIRE	cg16717549	0.104686715600253	503	2.3537996657763	0.0189686876441752	0.0109593084231682	0.0698460058587472
PRAD	AIRE	cg17356252	0.0970396508844875	503	2.18016179693696	0.0297110938622964	0.00941669384378322	0.0979757041212109
PRAD	AIRE	cg18689454	0.099962348491913	503	2.24647817801622	0.0251090316915325	0.00999247111601866	0.0865110063072359
PRAD	AIRE	cg18876487	0.0885868074888924	503	1.98867980823053	0.0472811933643535	0.00784762246107409	0.138538348647326
PRAD	AIRE	cg23272544	0.0148998545748199	503	0.333207865911799	0.739117057029304	0.00022005666350783	0.853030373038737
PRAD	AIRE	cg27251412	0.0491965380503518	503	1.10140170175527	0.27125178058731	0.00242029935613971	0.467561740532076
PRAD	ARID1A	cg04081153	0.0428198610574813	503	0.958360200342203	0.338344326191708	0.001833540500982	0.537748146194
PRAD	ARID1A	cg04360147	0.0248762487801404	503	0.556422024314835	0.578171319412735	0.000618827753371435	0.744470374035879
PRAD	ARID1A	cg14851949	0.0929878411768442	503	2.08831951779557	0.0372743487592981	0.00864673860673	0.116253025496975
PRAD	ARID1A	cg17385674	0.0868546788765644	503	1.94949682556	0.0517947936297751	0.00754373524275112	0.148051416550944
PRAD	ARID1A	cg20413923	0.0521248654069972	503	1.16713405467681	0.243712546233586	0.00271700159369757	0.436424539398102
PRAD	ARID1A	cg21294655	0.149917470884592	503	3.39057509552278	0.000752656131888563	0.0224752480764324	0.00529852593067375
PRAD	ARID1A	cg24542126	-0.0922977520835049	503	-2.07268784537139	0.0387131321720352	0.00851887503966814	0.119543103409332
PRAD	ARID1A	cg25601319	-0.0899912164972045	503	-2.02046268265639	0.0438680373125543	0.00809841904664672	0.131090158440934
PRAD	ARID2	cg00035453	-0.316237856456736	503	-7.45382418634829	4.02361178914103e-13	0.100006381856351	2.40409259235359e-11
PRAD	ARID2	cg01183821	-0.103264843001169	503	-2.32148297652421	0.0206618335514944	0.0106636278000561	0.0746674724441379
PRAD	ARID2	cg01353809	-0.346759402486859	503	-8.26669008245652	1.24994381693852e-15	0.120242083213043	1.05008778936194e-13
PRAD	ARID2	cg01751433	-0.127960710743719	503	-2.88500542026377	0.00408306586844274	0.0163739434940377	0.0210901019965231
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PRAD	ARID2	cg07276957	-0.106239546667078	503	-2.38910949292387	0.0172589984706346	0.0112868412760263	0.0650097577603518
PRAD	ARID2	cg23465749	-0.186502446084106	494	-4.20642193644978	3.08456106474451e-05	0.034783162395355	0.000349084002721464

PRAD	ARID4A	cg02136725	0.0459347397368649	503	1.02821734808839	0.304344743613833	0.00211000031469352	0.5029526171809
PRAD	ARID4A	cg06154646	0.174064472955418	503	3.95253837021012	8.84680914166764e-05	0.0302984407452473	0.000866023241936445
PRAD	ARID4A	cg08066755	0.0279217388806574	503	0.624592582872847	0.532523389365391	0.000779623502119618	0.709906512869688
PRAD	ARID4A	cg08790491	-0.102869018934561	503	-2.31248915312524	0.0211559504562257	0.010582035056559	0.0760328009697692
PRAD	ARID4A	cg10064886	0.158596044829097	503	3.591774469919	0.00036089308845885	0.0251527054354328	0.00285173356257672
PRAD	ARID4A	cg10242170	0.0104946660812509	503	0.234680791582656	0.814552569826741	0.000110138016156958	0.90020602649593
PRAD	ARID4A	cg10844118	-0.207009504082217	503	-4.73135953331223	2.90651163551871e-06	0.0428529347803656	4.39217494509601e-05
PRAD	ARID4A	cg12203852	0.141002835645832	503	3.18473735452929	0.00153924791749817	0.0198817996601655	0.0095987376748579
PRAD	ARID4A	cg14272338	-0.0142393958198155	503	-0.318434854741128	0.750288068524776	0.00020276039331338	0.860059300982195
PRAD	ARID4A	cg14460816	-0.0592850953024331	503	-1.32799084539766	0.184787026174267	0.00351472252501857	0.363297579271676
PRAD	ARID4A	cg17323045	0.211365882465236	503	4.8355339827649	1.77039629093109e-06	0.0446755362703079	2.83737554710945e-05
PRAD	ARID4A	cg19548283	-0.184960008733467	503	-4.20844381335711	3.0487371636907e-05	0.034210204830684	0.000345834731572112
PRAD	ARID4A	cg20996579	-0.0847775537573446	503	-1.90253303545401	0.0576757332839103	0.00718723362107946	0.159931528379478
PRAD	ARID4A	cg26429530	-0.0601943963540829	503	-1.34843277034026	0.178129705808192	0.00362336535243243	0.354718228987931
PRAD	ARID4A	cg27026909	-0.236833913257615	503	-5.45084294846697	7.88676795393902e-08	0.0560903024689153	1.75533106063596e-06
PRAD	ARID4B	cg05652840	0.0221203889034432	503	0.494747990545587	0.620995340715782	0.000489311605239572	0.775374553176206
PRAD	ARID4B	cg06212607	-0.304594046710859	503	-7.12923132768572	3.57741929534261e-12	0.0927775332916966	1.84672698514853e-10
PRAD	ARID4B	cg06891548	-0.30830420616859	503	-7.24690412571773	1.62684719909713e-12	0.0950514835412442	8.93777902588717e-11
PRAD	ARID4B	cg07814876	-0.271772883730572	503	-6.31470288427244	5.98259294914568e-10	0.0738605003312309	2.05660554965019e-08
PRAD	ARID4B	cg10107779	0.114577158499388	503	2.57900758690284	0.0101931113661818	0.013127925249794	0.0432580276919289
PRAD	ARID4B	cg11732257	-0.227382189193161	503	-5.22118617581924	2.61205447506225e-07	0.0517026599622747	5.14957338654315e-06
PRAD	ARID4B	cg22596515	0.240881317111573	503	5.549682739687	4.64894881568336e-08	0.058023808933406	1.0962725800766e-06
PRAD	ARID4B	cg23687319	-0.237711093004542	503	-5.47223840256469	7.03883218685419e-08	0.0565065637374139	1.5816837410287e-06
PRAD	ARID4B	cg26020585	0.120912051587285	503	2.72365853977561	0.00668217919919504	0.0146197242190462	0.031213729351638
PRAD	ASH1L	cg03119126	-0.144118112880668	503	-3.25657601967109	0.00120418640087824	0.0207700304602849	0.00784051530548392
PRAD	ASH1L	cg08095278	0.222968093180391	503	5.11447114205207	4.49042291881269e-07	0.0497147705764993	8.37315341673333e-06
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PRAD	ASH1L	cg10582228	-0.248105451029516	503	-5.70966190323521	1.94968304342446e-08	0.0615563148305595	5.020643584249e-07
PRAD	ASH1L	cg17038116	-0.0696798991929543	503	-1.56188623027916	0.118947473704353	0.00485528835154028	0.269119351132982
PRAD	ASH1L	cg20064047	-0.0794239238993842	503	-1.78160113094618	0.075421163943539	0.00630815968757517	0.194675500310844
PRAD	ASH1L	cg21852905	-0.00099570112952373	503	-0.0222645651456626	0.982245797038145	9.91420739334847e-07	0.990766023141465
PRAD	ASH1L	cg23821590	-0.0258681751896841	503	-0.578623610785211	0.563103711267033	0.000669162487644189	0.733119708002364
PRAD	ASH1L	cg24312492	-0.11409112765442	503	-2.56792296618001	0.0105204018987276	0.0130167854094572	0.0443301996159469
PRAD	ASH1L	cg26185843	-0.167921706358013	503	-3.80892901913104	0.000156929649543744	0.0281976994661867	0.00141492275608551
PRAD	ASH2L	cg00590869	0.138075682168079	503	3.1173248457908	0.00193006863114879	0.0190648940061803	0.0115489392424882
PRAD	ASH2L	cg01642070	-0.223544810434911	503	-5.12839485998542	4.18616140720852e-07	0.0499722822723801	7.86044510046776e-06
PRAD	ASH2L	cg02897270	-0.0707454701388588	503	-1.58589040998131	0.113396369950117	0.00500492154516817	0.260528253001576
PRAD	ASH2L	cg03189282	-0.368406796915748	503	-8.86107272838039	1.39229979366125e-17	0.135723568013721	1.46964138599842e-15
PRAD	ASH2L	cg03705346	0.041644052364223	503	0.931997818067158	0.351787454595334	0.00173422709731414	0.550686045468613
PRAD	ASH2L	cg10062221	0.0252534536326146	503	0.564864536102548	0.572419241329836	0.000637736920374618	0.740015502717445
PRAD	ASH2L	cg21453287	-0.0206991206533872	503	-0.462945594532047	0.643604785259849	0.000428453595823482	0.790773252110986
PRAD	ASH2L	cg24318412	0.0305434142572245	503	0.683290300622774	0.494739916814821	0.000932900154488422	0.679828259594662
PRAD	ASH2L	cg27255459	0.0893778883159306	503	2.00658110319348	0.0453322196632869	0.00798840691981496	0.134350820849775
PRAD	ASXL1	cg00174466	-0.0395833966619777	503	-0.885805889604082	0.376147948274072	0.00156684529129947	0.57468976566309
PRAD	ASXL1	cg04218270	-0.0176032153778064	503	-0.393680862372058	0.693984495780567	0.000309873191637441	0.824531207366761
PRAD	ASXL1	cg09065199	0.0543181261919521	503	1.21638599973257	0.224411817726992	0.00295045883300483	0.413645135606056
PRAD	ASXL1	cg10421984	-0.0775430768173657	503	-1.73915249317533	0.0826233862389294	0.00601292876230387	0.207682068913146
PRAD	ASXL1	cg12592359	0.0264161133774879	503	0.590888452357017	0.554862164066374	0.000697811045972296	0.726486925935429
PRAD	ASXL1	cg16926526	-0.0732073247107993	503	-1.64136976050966	0.101349499944627	0.00535931239131241	0.24056822477245
PRAD	ASXL1	cg18793288	-0.00866067140920051	503	-0.193665763319969	0.846516250942443	7.50072292581431e-05	0.917974775857338
PRAD	ASXL1	cg24727216	-0.245727366226819	503	-5.66843080878315	2.43819847572349e-08	0.0603819385127691	6.14637758329337e-07
PRAD	ASXL2	cg05165989	0.175931655741411	503	3.99628392060634	7.4033396930347e-05	0.0309519474919145	0.000744198744127073
PRAD	ASXL2	cg05496738	0.0540536857822775	503	1.21044679430713	0.226679382890822	0.00292180094664919	0.416204091293112
PRAD	ASXL2	cg06583696	0.319614962979712	503	7.54242694531747	2.19184234611055e-13	0.102153724560523	1.37288392490599e-11
PRAD	ASXL2	cg09476286	0.082891047801826	503	1.85990080986673	0.0634865887284506	0.0068709258056846	0.171530430435908
PRAD	ASXL2	cg19084174	-0.086397561134821	503	-1.93915921899614	0.0530441734967401	0.00746453857004513	0.150624851547868
PRAD	ASXL2	cg20667782	0.264698763954224	503	6.13777155863074	1.70519370118906e-09	0.0700654356388942	5.39620964551979e-08

PRAD	ASXL2	cg24738909	0.0208185393637696	503	0.46561760506307	0.641691984328333	0.000433411581240825	0.789593899966813
PRAD	ASXL3	cg09963640	-0.146225178719124	503	-3.30522112215038	0.00101715767310498	0.0213818028914396	0.00680970430477872
PRAD	ASXL3	cg12361352	-0.216856060855301	498	-4.94734278802496	1.03201029541262e-06	0.0470265511296781	1.75638173094136e-05
PRAD	ASXL3	cg17880622	-0.0809722992597679	503	-1.81656059960056	0.0698830463635918	0.0065565132474134	0.184150183212833
PRAD	ASXL3	cg20034091	-0.181919978982762	503	-4.1368851985751	4.13001983087406e-05	0.0330948787530885	0.000450333336856867
PRAD	ASXL3	cg20329085	-0.124210347206714	503	-2.79910431618439	0.00532249168144174	0.0154282103532124	0.0260626875977893
PRAD	ASXL3	cg24880056	-0.101287105655824	503	-2.27655632429042	0.0232345498624818	0.0102590777721341	0.0815662712997251
PRAD	ASXL3	cg27109877	-0.213052967726993	503	-4.87595801002356	1.45701944383369e-06	0.0453915670572789	2.38274901437036e-05
PRAD	ATAD2B	cg08192560	-0.0863065642432785	503	-1.93710149390791	0.053295856016201	0.00744882303147915	0.151129905333686
PRAD	ATAD2B	cg14009731	-0.0840078700467173	503	-1.88513686779611	0.0599909725798225	0.0070573222978615	0.164670890966258
PRAD	ATAD2B	cg15717719	0.0819438903248254	503	1.83850408261806	0.066581099703378	0.00671480116156702	0.177694262936107
PRAD	ATAD2B	cg16929802	0.127013102821033	503	2.86328898444375	0.0043687442233541	0.0161323282882264	0.0222845772809395
PRAD	ATAD2B	cg17933838	0.00493856137786911	503	0.110430936199417	0.912111930170734	2.43893884829804e-05	0.953310881014914
PRAD	ATAD2B	cg19614157	0.00701457859687788	503	0.156854604770337	0.875422752512761	4.92043128917772e-05	0.93406443024246
PRAD	ATAD2B	cg20806130	-0.133695829834436	503	-3.01661152754507	0.00268634662666756	0.0178745749151185	0.0150791290479094
PRAD	ATAD2B	cg27610867	-0.117220818201847	503	-2.63933306978408	0.0085662644395099	0.0137407202199105	0.037866013739828
PRAD	ATAT1	cg01245721	-0.0314420262726498	503	-0.70341286427197	0.482125902544187	0.000988601016129999	0.669213718448953
PRAD	ATAT1	cg05093836	-0.0523265147462367	503	-1.17166158176457	0.241890961380801	0.00273806414548812	0.434207057309013
PRAD	ATAT1	cg06814856	0.074583352161544	503	1.67239242993377	0.0950725392510073	0.00556267641965289	0.229684578692987
PRAD	ATAT1	cg07142893	0.00874900370818678	503	0.195641158094994	0.844970523556019	7.65450658858659e-05	0.917197323966269
PRAD	ATAT1	cg07816366	0.0354698277260011	503	0.793628852250917	0.427787994346525	0.0012581086789122	0.622066978806564
PRAD	ATAT1	cg08081524	0.134337271923227	503	3.031349882198	0.00256088437665861	0.018046502627775	0.0145163935275145
PRAD	ATAT1	cg08188471	-0.200111204579689	498	-4.54410600214704	6.94082677419376e-06	0.0400444941983341	9.47954139872945e-05
PRAD	ATAT1	cg08635134	-0.130734031776616	503	-2.94860832011521	0.00334145682514195	0.0170913870645693	0.0179507832508178
PRAD	ATAT1	cg09532691	-0.288058263136547	503	-6.7262864578327	4.77157514720073e-11	0.0829775629612442	2.00107771968374e-09
PRAD	ATAT1	cg12907138	-0.0779944549773208	503	-1.74933787759863	0.0808461636366144	0.00608313500720933	0.204487482061268
PRAD	ATAT1	cg13542073	-0.236016569619201	503	-5.43091967942721	8.76504302237295e-08	0.0557038211348153	1.92781384473418e-06
PRAD	ATAT1	cg13964084	-0.166579078632165	503	-3.7776017144681	0.000177409330633459	0.0277485894379409	0.00156958733848508
PRAD	ATAT1	cg15381130	-0.0681503194663555	503	-1.52743866681357	0.127284290600453	0.00464446604336631	0.282074809223211
PRAD	ATAT1	cg15729859	-0.0513079832067142	503	-1.14879448484766	0.251189998743949	0.00263250914074047	0.44480623732849
PRAD	ATAT1	cg18298197	-0.185692276471893	503	-4.22569911174677	2.83169194307878e-05	0.034481621541314	0.00032400153407835
PRAD	ATAT1	cg20629923	-0.286566616054971	503	-6.68833079682727	6.05695050206848e-11	0.0821204254371971	2.50236010280359e-09
PRAD	ATAT1	cg22759096	-0.238901674126449	503	-5.50130080142498	6.02758761160628e-08	0.0570740099004198	1.38117864700235e-06
PRAD	ATAT1	cg23328390	-0.0917443740787806	503	-2.06015508520043	0.0399006204163019	0.00841703017510724	0.122270263270862
PRAD	ATAT1	cg26934609	0.0454235265918297	503	1.01675040290293	0.309763911141274	0.00206329676803866	0.508466940335583
PRAD	ATF7IP	cg00236831	0.00919772474436058	503	0.205676077758087	0.837127658578232	8.4598140473023e-05	0.912848278990132
PRAD	ATF7IP	cg11409060	-0.176253574444557	503	-4.00383052076827	7.17810868734997e-05	0.0310653225044831	0.000724393264665893
PRAD	ATF7IP	cg12526346	-0.210097482279898	503	-4.80517183105556	2.04751789624882e-06	0.0441409520603522	3.22634407982136e-05
PRAD	ATF7IP	cg12948116	-0.247566975371718	503	-5.71362658524369	1.90154175060011e-08	0.0612894072947007	4.90967603538617e-07
PRAD	ATF7IP	cg17439009	0.0165207105276163	503	0.369464740926202	0.711937769207696	0.000272933876337292	0.836042731904469
PRAD	ATF7IP	cg19789919	0.0037537919473562	503	0.0839379310616431	0.933139376604774	1.40909539840362e-05	0.964464173453599
PRAD	ATF7IP	cg21275967	-0.119634439805082	503	-2.69445897619287	0.00728747805608114	0.0143123991874757	0.0334289797685463
PRAD	ATF7IP	cg26637901	-0.258509570706831	480	-5.84459981215901	9.42060869389806e-09	0.0668271981470303	2.58780661275814e-07
PRAD	ATM	cg01756564	-0.203818244322994	503	-4.65523368990212	4.15153996503298e-06	0.0415418767189077	6.04803183595085e-05
PRAD	ATM	cg01800843	-0.109401591823347	503	-2.46106618745159	0.0141892517642955	0.0119687082934823	0.0559018865467234
PRAD	ATM	cg01991180	-0.122619565480995	503	-2.76270490494745	0.00594365127621354	0.015035557838748	0.0284629367424904
PRAD	ATM	cg02105423	0.139266094564901	503	3.14472995354714	0.00176130165554622	0.01939504509536	0.0107213381057561
PRAD	ATM	cg03165700	-0.252472461321575	503	-5.83446884358216	9.7045816381257e-09	0.0637423437257742	2.65830360548011e-07
PRAD	ATM	cg03569616	-0.152581761053616	503	-3.45225486498424	0.000603065333734684	0.0232811938062228	0.00439318892897799
PRAD	ATM	cg04709886	0.0379698745452625	503	0.849644898070734	0.395929176918488	0.00144171137298297	0.592632989998593
PRAD	ATM	cg04826772	0.119114621512467	503	2.68258252790662	0.00754747833127032	0.0141882930580582	0.0343582731173763
PRAD	ATM	cg05033322	-0.24878157310054	503	-5.74350303344941	1.61194263242225e-08	0.0618922711143791	4.22362631009283e-07
PRAD	ATM	cg05637308	-0.100404837705741	503	-2.25652338973406	0.0244689039496983	0.0100811314347162	0.0848314948911642
PRAD	ATM	cg06053805	-0.061128821541177	503	-1.36944301954279	0.171475585734545	0.00373673282301307	0.345652623963754
PRAD	ATM	cg06081482	-0.178648855858546	503	-4.060023885784	5.6941774272559e-05	0.0319154136995676	0.000593956608710037
PRAD	ATM	cg06750635	-0.131427145644261	503	-2.96451501850736	0.0031763232549201	0.0172730946121977	0.0172555091685234
PRAD	ATM	cg09808176	-0.10367936872973	503	-2.3309029299294	0.02015515497445	0.0107494115001953	0.0732618505785609

PRAD	ATM	cg10610482	-0.208171734681974	503	-4.75912298081774	2.54904379074221e-06	0.0433354711205023	3.91356448898756e-05
PRAD	ATM	cg10976287	-0.0561928216397875	503	-1.25849819917772	0.208798952698197	0.00315763320384097	0.394015906032833
PRAD	ATM	cg11588932	-0.0875568018607891	503	-1.96537758491013	0.0499236451131462	0.00766619355208948	0.14410448769738
PRAD	ATM	cg12019961	-0.264592289346787	497	-6.09819495281116	2.16560099797997e-09	0.0700090795817741	6.72518026390432e-08
PRAD	ATM	cg12106634	-0.0964185610624665	503	-2.16607658589986	0.0307772093776485	0.00929653891735659	0.100553619181252
PRAD	ATM	cg12848864	-0.193947073537367	502	-4.41630629547054	1.23193013528171e-05	0.0376154673337088	0.000157315779619346
PRAD	ATM	cg14761454	-0.123855653958115	502	-2.78819414447249	0.00550261126456469	0.0153402230173924	0.0267761394079906
PRAD	ATM	cg15370815	0.0664180134834009	503	1.48843857305584	0.137265684101368	0.00441135251508122	0.297202287375525
PRAD	ATM	cg15504467	-0.0959648130097459	503	-2.15578800363293	0.0315766304806507	0.0092092453359955	0.102542786295078
PRAD	ATM	cg16693212	-0.152945831538568	503	-3.46068924630112	0.000584915595775776	0.023392427385024	0.00428262812779113
PRAD	ATM	cg16788234	0.114704193062257	503	2.58190509875654	0.0101090707165629	0.0131570519060636	0.0429928409864582
PRAD	ATM	cg17114932	-0.170386025617697	503	-3.86648546292397	0.000124988734722669	0.0290313977257945	0.00116671149856195
PRAD	ATM	cg17420659	-0.118956550527534	503	-2.67897147569319	0.00762816931941528	0.0141506609134098	0.0346566491873265
PRAD	ATM	cg18042593	-0.105450239641772	503	-2.37115924754968	0.0181104158968601	0.01111197530405071	0.0674525635218239
PRAD	ATM	cg18391757	-0.0475805984584881	503	-1.0651409021567	0.287326255853803	0.00226391334966788	0.484822547889353
PRAD	ATM	cg18457775	-0.0565221653936262	503	-1.2658977749207	0.2061391909513	0.00319475518078443	0.390578094677738
PRAD	ATM	cg19288979	0.137224890580967	503	3.09774677353648	0.00205962146915673	0.0188306705949583	0.0121798702068855
PRAD	ATM	cg20342375	-0.104193388845058	503	-2.34258556458331	0.0195419035456485	0.0108562622790174	0.0715341071160445
PRAD	ATM	cg22477592	0.0719650411321136	503	1.6133704592704	0.107294962568565	0.0051789671451468	0.250522369831892
PRAD	ATM	cg22678707	-0.0811293623655318	503	-1.82010753091054	0.0693403635249981	0.00658197343783777	0.183086048266086
PRAD	ATM	cg22837512	-0.0598816367016049	503	-1.34140126785262	0.180399152930634	0.00358581041406299	0.357531807247332
PRAD	ATM	cg23275463	-0.216418415899194	502	-4.95177477475853	1.00799674367237e-06	0.0468369307403164	1.71972302168909e-05
PRAD	ATM	cg23389069	-0.090387016440139	503	-2.02942213128412	0.0429444509870289	0.00816981274094997	0.128954497445025
PRAD	ATM	cg24030675	-0.0380015603474589	503	-0.850354950410114	0.395534788536611	0.00144411858884156	0.592245006150751
PRAD	ATM	cg24568245	-0.174501208731006	502	-3.95880178580827	8.62720129772701e-05	0.0304506718485822	0.000847297686851881
PRAD	ATM	cg25400013	-0.0810886548079136	503	-1.81918822547397	0.0694806835099031	0.00657536993855697	0.183388080782025
PRAD	ATM	cg25740661	0.229729189782405	503	5.27806484957907	1.94944592387875e-07	0.0527755006380804	3.96587856177362e-06
PRAD	ATM	cg25918541	-0.108999585808903	503	-2.45191383906891	0.0145507956236472	0.0118809097065124	0.0570115635732063
PRAD	ATM	cg27453365	-0.0869569884238652	503	-1.95181070077408	0.0515185521980619	0.00756151783574823	0.147498684296188
PRAD	ATM	cg27599391	-0.165463747959774	503	-3.7515943353581	0.000196300425383919	0.0273782518888955	0.00170931221091522
PRAD	ATR	cg00911981	0.0680916227565198	503	1.52611697929129	0.127613018698362	0.00463646908961621	0.282493116939913
PRAD	ATR	cg00969988	0.00514096280824976	503	0.114956942227656	0.908525400385263	2.64294985958072e-05	0.951440853980624
PRAD	ATR	cg11458642	0.0692330483998508	503	1.55182159972644	0.121337620870667	0.00479321499073609	0.272750198740541
PRAD	ATR	cg11936145	0.0116507603523307	503	0.260536604621407	0.794557145726929	0.000135740216787441	0.887513692023673
PRAD	ATR	cg15135999	0.103592820175594	503	2.32893604281192	0.0202600419932165	0.010731472391933	0.0735468831927337
PRAD	ATR	cg15291273	-0.0517551427076327	503	-1.15883323583658	0.247077319822078	0.00267859479668743	0.440316427696578
PRAD	ATR	cg15480357	0.00162639844580569	503	0.0363674229322899	0.971003904167298	2.64517190451918e-06	0.98460978011693
PRAD	ATR	cg16031872	0.0100213337711358	503	0.224095088270614	0.822774852917085	0.000100427130552507	0.90463875321067
PRAD	ATR	cg17945282	-0.0973439984267956	503	-2.18706479477506	0.0292003368471966	0.00947585402971599	0.0967818709939518
PRAD	ATR	cg20032934	-0.210656598145476	503	-4.81855244907849	1.92059346881374e-06	0.0443762023422244	3.04795284196034e-05
PRAD	ATR	cg20636078	0.0388442962004364	503	0.869240905812171	0.385132442111791	0.00150887934730724	0.583236324560918
PRAD	ATR	cg24631870	-0.0181782155697051	503	-0.406544433585269	0.684516569413446	0.00033044752129867	0.818406903667752
PRAD	ATR	cg24856922	0.101227079790313	503	2.27519319471271	0.0233167875574069	0.0102469216828744	0.0817675810338608
PRAD	AURKB	cg02245743	-0.071628967793822	503	-1.60579714792204	0.108949833855839	0.00513070902720838	0.253162979031069
PRAD	AURKB	cg04612488	-0.0931000121287797	503	-2.09086066372088	0.0370448226753344	0.00866761225837893	0.115686441138652
PRAD	AURKB	cg05617798	-0.248632627929256	503	-5.73983775786643	1.64501289373335e-08	0.0618181836710078	4.29869442576728e-07
PRAD	AURKB	cg05811247	-0.00069402322072543	503	-0.0155188347325195	0.987624448671089	4.8166823090611e-07	0.993396296448485
PRAD	AURKB	cg11009596	-0.246434306308493	503	-5.68579126550892	2.21657390570771e-08	0.0607298673257482	5.65179122978125e-07
PRAD	AURKB	cg12844497	-0.113415734265527	503	-2.55252276474646	0.0109906742701474	0.0128631287789886	0.0458869901208986
PRAD	AURKB	cg13678641	-0.117060813428297	503	-2.63568032856755	0.00865771419643565	0.0137032340404946	0.0381618345627239
PRAD	AURKB	cg21724796	-0.0662633461015418	503	-1.48495714747504	0.138185341499548	0.00439083103657271	0.298527921594442
PRAD	BAP1	cg00794529	-0.13368891964267	503	-3.01645277377124	0.00268772819165927	0.0178727272352242	0.0150839264352285
PRAD	BAP1	cg02503646	-0.135362229714466	503	-3.05490830387125	0.00237145868356739	0.0183229332332717	0.013641323338468
PRAD	BAP1	cg03075736	-0.0993653849755974	503	-2.23292828519859	0.0259954990443171	0.00987347973134869	0.0887282315134084
PRAD	BAP1	cg05442719	0.0263890429553531	503	0.590282505822185	0.555267946411168	0.000696381588099473	0.726724674009259
PRAD	BAP1	cg05908979	-0.117455201803682	503	-2.64468417798093	0.00843385814944125	0.0137957244307437	0.0374146647398285
PRAD	BAP1	cg09096430	-0.138495732908022	503	-3.12699347484291	0.00186889645726522	0.0191810680337302	0.0112460497367335

PRAD	BAP1	cg10449522	-0.190562900089042	503	-4.34065860909727	1.72006236212324e-05	0.0363142188903462	0.000210030656724243
PRAD	BAP1	cg10956904	-0.0970388027086612	503	-2.18014256007044	0.0297125279079363	0.00941652923113048	0.0979762799283654
PRAD	BAP1	cg11234564	-0.0588892700638069	503	-1.31909336893155	0.187741672740118	0.00346794612864798	0.367132387002099
PRAD	BAP1	cg12859382	-0.126240874682993	503	-2.84559764225132	0.00461477634452914	0.015936758440727	0.0232484076509714
PRAD	BAP1	cg16841708	-0.0910891474126516	503	-2.04531817116036	0.0413463648866925	0.00829723277636378	0.125387669718906
PRAD	BAP1	cg24291822	-0.143007709569176	503	-3.23095876806744	0.00131503296468533	0.0204512049962218	0.00842613248123964
PRAD	BAP1	cg24747396	-0.0958621128475317	503	-2.153459500986	0.0317600135304996	0.0091895446795929	0.102954888208818
PRAD	BAP1	cg25749966	-0.0134156256458331	503	-0.30009507969926	0.764294587761673	0.000179979011469136	0.869160524504906
PRAD	BAZ1A	cg05294307	0.0456591067585056	502	1.02101202010986	0.307743482632264	0.00208475402998461	0.506272130094196
PRAD	BAZ1A	cg07414384	-0.187585201190082	502	-4.26606575095252	2.38086040516798e-05	0.0351882077055236	0.000278856751520081
PRAD	BAZ1A	cg23422263	-0.103090595822974	503	-2.31752363512616	0.0208781008251448	0.0106276709471358	0.0752569082052906
PRAD	BAZ1A	cg26967526	0.0601897233191555	503	1.34832770764369	0.178163457659366	0.00362280279323649	0.354740038011639
PRAD	BAZ1B	cg00525989	0.111391761724847	503	2.50639387486331	0.012513360036616	0.0124081245801651	0.050801812477221
PRAD	BAZ1B	cg04742505	0.243732150307925	503	5.61948572937456	3.18559102975987e-08	0.0594053610937248	7.79307762796034e-07
PRAD	BAZ1B	cg05166819	0.168366123828763	503	3.81930333137048	0.000150654612442327	0.0283471516531222	0.00136692616285729
PRAD	BAZ1B	cg06059318	0.174264104220062	503	3.95721335037935	8.68067803790186e-05	0.0303679780196207	0.000851797007165158
PRAD	BAZ1B	cg06394887	0.169916024115805	503	3.85550241716216	0.000130564946690564	0.028871455251323	0.00120976291839515
PRAD	BAZ1B	cg14093368	0.0802639367953788	503	1.80056545052764	0.0723739213362267	0.00644229954989256	0.188859566610928
PRAD	BAZ1B	cg15636799	0.0424477999833612	503	0.950017927081989	0.342562111152704	0.00180181572342744	0.541762083248901
PRAD	BAZ1B	cg19160975	-0.0229765782720878	503	-0.513907578829175	0.607543642935713	0.000527923149093377	0.765495937263788
PRAD	BAZ1B	cg20612831	-0.00092291691255868	503	-0.020637058329728	0.98354341116539	8.51775627486855e-07	0.991421409567287
PRAD	BAZ1B	cg21340129	0.0921633841891487	503	2.06964453887603	0.0389986836271112	0.00849408938519663	0.120243493880048
PRAD	BAZ1B	cg25710357	0.134910336951517	503	3.04450242502711	0.00245333982069977	0.0182007990163718	0.0140159446288843
PRAD	BAZ2A	cg14634319	0.19249800834648	503	4.38642401319795	1.40603046706225e-05	0.0370554832173615	0.000176268328993123
PRAD	BAZ2A	cg18206859	0.0347102723960783	503	0.776613259944775	0.437754204894162	0.00120480300980995	0.630653356831356
PRAD	BAZ2A	cg18955060	-0.0596518468144678	503	-1.33623535501668	0.182080150605216	0.00355834282837674	0.359657303376553
PRAD	BAZ2A	cg25683012	0.18460798794046	503	4.20015131271662	3.15860040405962e-05	0.0340801092114251	0.000356576559481524
PRAD	BRD7	cg03021120	-0.232410461151073	503	-5.34316348959561	1.39017651669968e-07	0.0540146224524546	2.92844278202369e-06
PRAD	BRD7	cg16433860	-0.158007863761887	503	-3.57811200993124	0.000379786282902105	0.0249664850105951	0.00297713564007319
PRAD	BRD7	cg16834187	0.0739704098828852	503	1.65857241244891	0.097829121772556	0.00547162153824203	0.234385026909027
PRAD	BRD8	cg01096096	-0.041763589256195	503	-0.934677732589771	0.350405577994322	0.00174419738756017	0.549408487876699
PRAD	BRD8	cg03204906	-0.0482708398915318	503	-1.08062849969163	0.280383348081306	0.0023300739838339	0.477592830913207
PRAD	BRD8	cg03684156	-2.81009299048306e-05	503	-0.0006283558952296	0.999498895180456	7.89662261516204e-10	0.999761926316662
PRAD	BRD8	cg07430605	0.00869920119764396	503	0.194527412956176	0.845841945190349	7.56761014770901e-05	0.917683296113415
PRAD	BRD8	cg07632946	-0.0779889702119521	503	-1.74921410694463	0.0808675717018552	0.00608227947472075	0.204525890730327
PRAD	BRD8	cg08976717	-0.0482459863572134	503	-1.08007081072275	0.280631352518314	0.00232767519958042	0.477837936691121
PRAD	BRD8	cg11110536	-0.0392745079172863	503	-0.878882789073939	0.379886996087621	0.00154248697214498	0.578335204963609
PRAD	BRD8	cg11346339	-0.0675402479879972	503	-1.51370232017168	0.130733189339741	0.00456168509828015	0.287262957052757
PRAD	BRD8	cg12964860	0.0193850971648964	503	0.433545417045878	0.664805562731562	0.000375781992092473	0.805398884155155
PRAD	BRD8	cg14473243	0.0693495178068853	503	1.55444480426727	0.120711061647438	0.00480935562004751	0.271750096359554
PRAD	BRD8	cg22106577	-0.00036591885218328	503	-0.0081821948250893	0.993474889434164	1.33896606383133e-07	0.996587865387182
PRAD	BRD8	cg22818036	-0.00469105448323437	503	-0.104896321286834	0.916500143341874	2.20059921646733e-05	0.955914237358865
PRAD	BRD8	cg23298160	0.0408853346635661	503	0.914988948373328	0.360638477183978	0.0016716105905518	0.559588114210355
PRAD	BRD8	cg26008208	-0.0296346969865841	503	-0.66294313687852	0.50767246712709	0.000878215265486655	0.690355752826262
PRAD	BRD8	cg26630792	0.00436668020401361	503	0.0976428686482411	0.922255011236772	1.90678960041244e-05	0.959195517850122
PRAD	BRD8	cg27119451	-0.0844309618933162	503	-1.89469904418532	0.0587089636434516	0.00712858732623061	0.16205695147107
PRAD	BRD9	cg02364331	-0.117162373062903	503	-2.63799880439859	0.00859956811116804	0.0137270216617308	0.0379787000647293
PRAD	BRD9	cg02822723	-0.0492659565111247	503	-1.10295960617084	0.270575283733408	0.00242713447095603	0.466721366358243
PRAD	BRD9	cg05193570	-0.171092846371374	503	-3.88300764624198	0.000117022639792628	0.0292727620794587	0.00110267190407312
PRAD	BRD9	cg07308931	-0.0452304300845543	503	-1.01241929295058	0.311827284260081	0.00204579180563375	0.510711630807569
PRAD	BRD9	cg09497020	-0.0420195697249846	503	-0.9404167303876	0.347457942513116	0.00176564423987284	0.546756858973945
PRAD	BRD9	cg10551270	-0.0734308437621216	503	-1.64640837283343	0.100308065818209	0.00539208881561711	0.238751856329145
PRAD	BRD9	cg10600960	-0.0472349626579632	503	-1.05738612200482	0.29084599397569	0.00223114169729918	0.488413446160781
PRAD	BRD9	cg13722821	-0.106341542411541	503	-2.39142939004004	0.0171515715363796	0.0113085236424656	0.0647116424705908
PRAD	BRD9	cg17977043	-0.125973665517321	503	-2.83947724622563	0.00470277947601703	0.0158693644038699	0.0236216124682816
PRAD	BRD9	cg20079193	-0.00847976542946909	503	-0.189620136910782	0.849683757890844	7.19064217388191e-05	0.919822691566618
PRAD	BRD9	cg21160852	-0.216601804955341	503	-4.96114090527657	9.62167143017501e-07	0.0469163419099118	1.65562554133828e-05

PRAD	BRD9	cg21758832	-0.156352124175172	503	-3.53967287746167	0.000438036187993124	0.0244459867340885	0.00335139678938436
PRAD	BRD9	cg21910709	-0.132697676318511	503	-2.9936847178198	0.00289274909263119	0.0176086733003322	0.0159851202523193
PRAD	BRD9	cg24953233	-0.121482858784818	503	-2.73670865506137	0.00642661776942032	0.014758084978532	0.0302726189981401
PRAD	BRD9	cg25523559	-0.0855525557592308	503	-1.92005287168907	0.0554198175745165	0.0073192397969363	0.155458453409005
PRAD	BRD9	cg25951128	-0.0910159591979414	503	-2.04366106821223	0.0415105658794997	0.00828390482872134	0.125740711861607
PRAD	BRD9	cg26504197	-0.165809895481881	503	-3.75966424468665	0.000190244756284005	0.0274929214397123	0.00166328394811844
PRAD	BRDT	cg00308185	-0.0587795452194141	503	-1.31662705222025	0.188566837524455	0.00345503493620115	0.368188558766564
PRAD	BRDT	cg01515515	0.0216873627011914	502	0.48457295647536	0.628191927520533	0.000470341700933029	0.780378575416714
PRAD	BRDT	cg02935097	0.0184825990494815	503	0.413354087000479	0.679524427018594	0.000341606467623895	0.815107679796672
PRAD	BRDT	cg03421440	-0.00433915485570019	503	-0.0970273656552084	0.922743541757861	1.88282648617465e-05	0.959387821271038
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PRAD	BRDT	cg13299824	-0.00326920853124704	503	-0.0731021157335837	0.941754091835102	1.06877244207784e-05	0.968934244198939
PRAD	BRDT	cg14732540	-0.013981973184708	503	-0.312676989983604	0.754656446326966	0.000195495574137894	0.862990253175548
PRAD	BRDT	cg19245011	0.0644500807504971	503	1.44415010299031	0.149323062774579	0.00415381290874559	0.314765388884764
PRAD	BRPF1	cg04879506	0.0401800632338856	503	0.899179655171418	0.368989798961694	0.00161443748147904	0.567743208215543
PRAD	BRPF1	cg13694772	0.12255360978389	503	2.76119621102655	0.0059707573027347	0.015019387271062	0.0285540722695607
PRAD	BRPF1	cg14712964	0.0280980393925085	503	0.628539426033497	0.529937637235156	0.000789499817702959	0.708033671402325
PRAD	BRPF1	cg17738494	0.131143254521969	503	2.95799929225751	0.00324304195796375	0.017198553206614	0.017539572168926
PRAD	BRPF1	cg20952324	0.122344094986021	503	2.75640394179484	0.00605760052686209	0.0149680775779484	0.028889466367503
PRAD	BRPF1	cg25467642	-0.0460838024398116	503	-1.03156110320112	0.302776479418391	0.00212371684731159	0.501140725392836
PRAD	BRPF1	cg26227975	-0.0916903853672233	503	-2.05893246625011	0.0400181066061226	0.00840712676878992	0.122512635682055
PRAD	BRPF3	cg01499736	0.199561653328121	503	4.5539353967198	6.62164105196019e-06	0.0398248534790531	9.10357515944028e-05
PRAD	BRPF3	cg05882415	-0.0790539736707422	503	-1.77325026553246	0.076795923972601	0.0062495307531344	0.197196399178919
PRAD	BRPF3	cg10562781	0.128444934170799	503	2.89610551927117	0.00394370948656973	0.0164981011141408	0.0205393945101564
PRAD	BRPF3	cg14654948	0.0161075561405938	503	0.360222638336909	0.718832760704908	0.000259453364822382	0.840409915633868
PRAD	BRPF3	cg18779695	0.137131964804837	503	3.09560882725532	0.00207424314041753	0.0188051757712349	0.0122523668083251
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PRAD	BRWD3	cg03164831	0.198831756932863	503	4.53659249190998	7.16641934684855e-06	0.0395340675650091	9.7380685881002e-05
PRAD	BRWD3	cg05835545	-0.20449955888225	503	-4.67147299564864	3.84907429490567e-06	0.0418200695830346	5.64013723296085e-05
PRAD	BRWD3	cg09523186	0.0607603548449837	503	1.36115773615612	0.174076965200546	0.00369182072088833	0.349249347022856
PRAD	BRWD3	cg11957438	-0.174773043155109	494	-3.93324958029978	9.58738994798569e-05	0.0305456166136977	0.000928934379889898
PRAD	BRWD3	cg15511898	0.0158678364410801	503	0.35486028701591	0.722843888956591	0.000251788233320871	0.842932066769292
PRAD	BRWD3	cg22618269	-0.00782545954637533	503	-0.174987953030861	0.861159936051022	6.12378171119568e-05	0.926239852687108
PRAD	BRWD3	cg25063710	-0.0605718229547007	503	-1.35691865434443	0.175419314749861	0.00366894573605561	0.351091362567874
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PRAD	CARM1	cg12317676	-0.109529537654964	503	-2.4639793473802	0.0140758534899253	0.0119967196189102	0.0555733326428769
PRAD	CARM1	cg17918830	-0.143320404905021	503	-3.23817145456266	0.00128290443668246	0.0205407384621392	0.00825781023135021
PRAD	CARM1	cg22378614	-0.250217841638719	503	-5.77886938596595	1.32437144524166e-08	0.0626089682743392	3.52715344783052e-07
PRAD	CARM1	cg26504915	-0.101523575780352	503	-2.28192657756738	0.0229130149912801	0.0103070364392288	0.0806850936190317
PRAD	CBX1	cg01544580	0.0644760996734275	503	1.44473554922435	0.14915855399702	0.00415716742909776	0.314588919407465
PRAD	CBX1	cg01553295	0.00295518656352303	503	0.0660802689666562	0.947340332536107	8.73312762522707e-06	0.971966208529258
PRAD	CBX1	cg02835499	0.0156705142635697	503	0.350446382685138	0.726151310068772	0.00024556501728474	0.844908888189318
PRAD	CBX1	cg04864609	0.0743949830306546	503	1.66814506657105	0.0959130080705337	0.00553461350013138	0.231155133363459
PRAD	CBX1	cg11729481	-0.0129240579036301	503	-0.289014858444423	0.772689796106706	0.000167031272696382	0.873967780838993
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PRAD	CBX1	cg21511817	0.0126489267294853	503	0.282861229240928	0.777400279456676	0.000159995347407887	0.876922452203735
PRAD	CBX4	cg04398978	0.235798512040871	503	5.4256064527225	9.01486690040353e-08	0.0556009382806889	1.97383212960876e-06
PRAD	CBX4	cg04925705	-0.0055915270844512	503	-0.125032301182316	0.900548231621235	3.12651751361513e-05	0.947539076102878
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PRAD	CBX4	cg21365914	0.0586035175127126	503	1.31267052710066	0.189896186471255	0.00343437226486281	0.369949884683356
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PRAD	CBX5	cg11338003	-0.091383308189266	503	-2.05197879793301	0.0406919235946228	0.00835090901561437	0.12386187116278
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PRAD	CBX5	cg13445218	-0.0180416921076333	503	-0.403490173723814	0.686760155564203	0.000325502654106637	0.819716146157507
PRAD	CBX5	cg14017196	-0.0652889007535917	503	-1.46302570899499	0.144088652621424	0.00426264056161234	0.307270631634623
PRAD	CBX5	cg14394617	0.261028818766727	503	6.04640457803135	2.90106677107796e-09	0.0681360442267527	8.78154040425054e-08
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PRAD	CBX5	cg20545544	-0.151740080202225	503	-3.43276123867993	0.000647043982394853	0.0230250519397776	0.00466507317575766
PRAD	CBX5	cg20927027	0.147305102615177	503	3.330170723758	0.000932057030110487	0.0216987932564679	0.00633206223040915
PRAD	CBX5	cg21826008	0.241687319472928	503	5.56940223843878	4.17974603282063e-08	0.058412760394009	9.96198415677843e-07
PRAD	CBX5	cg24505978	0.0232661966734137	503	0.5203888398408	0.603022930038009	0.000541315907645965	0.762173096407299
PRAD	CBX5	cg25817259	0.0202938937146627	503	0.453424625658262	0.65044011888953	0.000411842122102027	0.795516636399793
PRAD	CBX6	cg03028106	-0.128385832531953	502	-2.89185439036999	0.00399689814575563	0.0164829219949227	0.0207289796233942
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PRAD	CBX6	cg04801716	-0.0657259942891192	503	-1.47286266875804	0.141417273763992	0.00431990632529333	0.30347057804248
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PRAD	CBX6	cg14498989	0.0635787291895164	503	1.42454570777326	0.154912395259833	0.00404225480535386	0.322657426421511
PRAD	CBX6	cg24649346	0.0489317373222286	503	1.09545913210687	0.273842919526416	0.00239431491737158	0.470230798199673
PRAD	CBX6	cg25836955	-0.00551296830487411	503	-0.123275592235651	0.901938404713702	3.03928195305466e-05	0.948210280737125
PRAD	CBX7	cg00545295	-0.0662993702201357	503	-1.48576800881871	0.137970719131546	0.00439560649158661	0.298246474494818
PRAD	CBX7	cg01525244	0.0174677919636226	503	0.390651305518599	0.696221383780853	0.000305123756084397	0.825851658371356
PRAD	CBX7	cg02523424	0.0739498858151033	503	1.65810968881919	0.0979225147588887	0.00546858561206682	0.234530467447215
PRAD	CBX7	cg03804568	0.0490217363716643	503	1.09747883472765	0.272960371800978	0.00240313063689296	0.469264307172997
PRAD	CBX7	cg10339854	0.0683882170388803	503	1.5327956253287	0.125958679171129	0.00467694822975699	0.279878594939843
PRAD	CBX7	cg22268271	-0.0669267556666457	503	-1.49989066996864	0.134273865545861	0.00447919062406289	0.292563467654546
PRAD	CBX7	cg26672614	0.0132246009701397	503	0.29573692930247	0.767553770565125	0.00017489007081942	0.871185848079126
PRAD	CBX7	cg27062573	0.0812537175921707	503	1.82291592215343	0.0689131443895129	0.00660216662254822	0.182211581627278
PRAD	CDYL2	cg01442398	-0.16717746572055	503	-3.79156109729951	0.000167990358770267	0.0279483050447456	0.00149989515954424
PRAD	CDYL2	cg02461391	-0.1610178251279	503	-3.6480698716842	0.000291960146328813	0.025926740008919	0.00238955787727551
PRAD	CDYL2	cg06919916	-0.0216024924891339	503	-0.483159167431403	0.629194218172396	0.000466667681743086	0.781110925068674
PRAD	CDYL2	cg10112854	-0.106510649263446	503	-2.39527590014125	0.016974748295728	0.0113445184065208	0.0641596331220419
PRAD	CECR2	cg03927893	-0.175934681914588	503	-3.9963548557035	7.40119173772049e-05	0.0309530123003874	0.00074407897395222
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PRAD	CECR2	cg13466481	0.114591774631972	503	2.57934095749887	0.0101834104883198	0.0131312748133048	0.0432357275297904
PRAD	CECR2	cg26796679	-0.15902556353561	503	-3.60175394652244	0.000347653960371526	0.0252891298578182	0.00276452950967418
PRAD	CHAF1A	cg03006338	-0.0368844330959352	503	-0.825322597985157	0.409582054690619	0.00136046140480852	0.605516859841971
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PRAD	CHAF1A	cg05297461	-0.0483836686817022	503	-1.08316029255392	0.279259337146145	0.00234097939510073	0.476293538409786
PRAD	CHAF1A	cg07783855	-0.028386021994557	503	-0.63498662485504	0.525727598969137	0.000805766244675474	0.704543697087561
PRAD	CHAF1A	cg09700233	-0.0960175325862389	503	-2.15698333226914	0.0314828457651852	0.00921936656394946	0.102338981424738
PRAD	CHAF1A	cg18804734	-0.134838085912376	503	-3.04285973483041	0.0024666680293591	0.0181813094125132	0.0140807141675933
PRAD	CHAF1A	cg23811775	-0.089220736070393	503	-2.00302461596392	0.0457139263609427	0.00796033974494273	0.135145245418404
PRAD	CHAF1A	cg24085258	-0.0755207413318397	503	-1.69353144772052	0.0909771801285158	0.00570338237131064	0.222534233144188
PRAD	CHAF1B	cg00660452	-0.0266582413728629	503	-0.59630832314454	0.551239136129467	0.000710661833093819	0.723704284128862
PRAD	CHAF1B	cg02544117	-0.0718111169159315	495	-1.59697060786891	0.110914303419694	0.00515683651271358	0.256418048149529
PRAD	CHAF1B	cg02908490	-0.231152146935833	503	-5.31259693412148	1.63006425978925e-07	0.053431315033045	3.37438049563718e-06

PRAD	CHAF1B	cg04634639	-0.0584082222484705	503	-1.30828107428156	0.191379082954927	0.00341152042622672	0.371850351650821
PRAD	CHAF1B	cg07872789	-0.060482975117836	503	-1.3549209885032	0.176054575155281	0.00365819027910477	0.351897793697753
PRAD	CHAF1B	cg13854874	-0.136964346017982	503	-3.09175262709904	0.00210085788056749	0.0187592320801336	0.0123645133878701
PRAD	CHAF1B	cg25942896	-0.25440007728445	503	-5.88208475360866	7.42147028498322e-09	0.0647193993223339	2.08729522541571e-07
PRAD	CHD1	cg03255775	0.15667787197465	503	3.54723290797609	0.00042595720139117	0.0245479555665049	0.00327342828460186
PRAD	CHD1	cg03833628	-0.37504978735173	502	-9.03768654681983	3.52629173336978e-18	0.140662342992578	3.96422455355157e-16
PRAD	CHD1	cg08865521	-0.164228714545998	503	-3.72281298007843	0.000219410121391009	0.0269710706814309	0.00187672248306676
PRAD	CHD1	cg11365324	-0.133479603368592	503	-3.0116441833178	0.00272988513008541	0.0178168045154367	0.0152772234954222
PRAD	CHD1	cg12662497	-0.350856843628147	503	-8.37799407971633	5.47774292159346e-16	0.123100524720706	4.79342556628169e-14
PRAD	CHD1	cg16890600	0.0674565750678061	503	1.51181847718741	0.131211797985008	0.00455038951987856	0.287964866207173
PRAD	CHD1	cg21082921	-0.434431616417466	502	-10.7743036428698	1.76913753217849e-24	0.188730829343093	3.44070712945734e-22
PRAD	CHD4	cg00079216	0.0619879655454982	503	1.38876378340213	0.165522880637718	0.00384250787246987	0.337621628406976
PRAD	CHD4	cg00824109	-0.124805238616959	503	-2.81272191671401	0.00510565064990022	0.015576347586236	0.0251992050077709
PRAD	CHD4	cg04344119	-0.103677889521495	503	-2.33086931325551	0.0201569436311945	0.0107491047756313	0.0732632396239541
PRAD	CHD4	cg05147525	0.0470665138470115	503	1.05360689616073	0.292571807052928	0.00221525672571093	0.490266138172201
PRAD	CHD4	cg11565429	-0.053004540027756	503	-1.18688598583803	0.235836198212212	0.00280948126355399	0.427113000727354
PRAD	CHD4	cg19509514	-0.17890904873826	503	-4.06613248662647	5.55170472177771e-05	0.0320084477204289	0.000581355925596952
PRAD	CHD4	cg20308811	-0.215053088597895	503	-4.9239418691906	1.15417453060125e-06	0.046247830915494	1.94261907039363e-05
PRAD	CHRA1	cg00296189	-0.266629234077383	503	-6.18594731217321	1.28515101819151e-09	0.0710911484646919	4.16952559965046e-08
PRAD	CHRA1	cg07270064	-0.369624147455976	503	-8.89497745302534	1.07007737198498e-17	0.136622010382557	1.14348350379395e-15
PRAD	CHRA1	cg08877624	-0.0390829637289912	503	-0.874589850270975	0.382217008896514	0.00152747805384164	0.580655170873601
PRAD	CHRA1	cg12002314	-0.0257311928801926	503	-0.575557532448497	0.565173224572509	0.000662094287037675	0.734700718940415
PRAD	CHRA1	cg18770186	0.085311570626201	503	1.91460474335413	0.0561132999726681	0.00727806408270929	0.156815679062893
PRAD	CHRA1	cg19486048	0.154985205357924	503	3.50796198437172	0.00049228134268094	0.024020413879838	0.00370050582399469
PRAD	CHRA1	cg22610305	-0.123863826848369	503	-2.79117356683532	0.0054525888109924	0.0153422476015228	0.0265797387178525
PRAD	CHRA1	cg23548819	-0.103531834165299	503	-2.32755011766028	0.0203342349672516	0.010718840685631	0.0737508263808278
PRAD	CLOCK	cg05960024	0.0430245936119079	503	0.96295083973436	0.336037663662098	0.00185111565546983	0.535614030916247
PRAD	CLOCK	cg06085476	-0.283424142930772	503	-6.608542022431	9.96548186944277e-11	0.0803292447960424	3.99204272168605e-09
PRAD	CLOCK	cg07236904	0.00751036530340153	503	0.167941610031956	0.866697121567086	5.64055869905375e-05	0.929176520750106
PRAD	CLOCK	cg07500410	0.00831163194910055	503	0.185860160442062	0.852629801061053	6.9083225657309e-05	0.921499676588553
PRAD	CLOCK	cg11774413	-0.0371982673156541	503	-0.832354612131535	0.405606184210852	0.00138371109128686	0.601963590646325
PRAD	CLOCK	cg18928811	0.0619907491817239	503	1.38882638790716	0.165503849047823	0.0038428529841114	0.337612923034045
PRAD	CLOCK	cg22523077	-0.0380530418966391	503	-0.851508614369151	0.39489451036379	0.00144803399758737	0.591562333466343
PRAD	CLOCK	cg23506964	0.0711263558038522	503	1.59447196330126	0.111462246503728	0.00505895848993618	0.257271955984779
PRAD	CREBBP	cg00039463	-0.0886287325910231	503	-1.98962843200383	0.0471761682365592	0.00785505224069109	0.138306155158145
PRAD	CREBBP	cg00747661	0.109954586780346	503	2.47365805312903	0.0137048372325408	0.0120900111540366	0.0544685913799056
PRAD	CREBBP	cg03039399	-0.0224323445450855	503	-0.501728726336776	0.61607920234593	0.000503210081789428	0.771800468087528
PRAD	CREBBP	cg03264209	-0.130659358929472	503	-2.9468948697326	0.00335970489480367	0.0170718680758606	0.0180313820342433
PRAD	CREBBP	cg08506924	0.129776776647817	503	2.92664690797213	0.00358234394835674	0.0168420117570975	0.0189866024188047
PRAD	CREBBP	cg24567591	0.132095052830718	503	2.97984741853402	0.00302424664804134	0.0174491029823501	0.0165763576226117
PRAD	CTCF	cg01866162	-0.179120161457841	503	-4.07108947021697	5.43858765228747e-05	0.0320840322406832	0.000570772197752499
PRAD	CTCF	cg04487155	-0.0677916826212423	503	-1.51936340546765	0.129303106935288	0.00459571223261925	0.285086892101911
PRAD	CTCF	cg06241380	-0.0621796605259976	503	-1.39307511585988	0.164216103849206	0.00386631018312831	0.335681414269256
PRAD	CTCF	cg07967402	0.0286079617990301	503	0.639955401108842	0.522494719248198	0.000818415478294764	0.702281611559071
PRAD	CTCF	cg08324636	0.191380658240333	503	4.35999218625855	1.57998618830541e-05	0.036626556348503	0.000194968778292154
PRAD	CTCF	cg10218542	-0.163459943167497	503	-3.70490654245475	0.000235056040825101	0.0267191530203214	0.00198695530152645
PRAD	CTCF	cg10481400	-0.0401164457940556	503	-0.897753679603012	0.369748962941891	0.0016093292231474	0.568421806226623
PRAD	CTCF	cg23858565	-0.117172695240086	503	-2.63823445112379	0.00859367786911269	0.0137294405098262	0.0379569963180465
PRAD	CXXC1	cg02159718	-0.0868414140264011	503	-1.94919682675253	0.0518306997764014	0.00754143119010481	0.148122876284663
PRAD	CXXC1	cg07675399	-0.104994111792168	503	-2.36078815761991	0.0186189720917812	0.0110237635110263	0.06889807900433
PRAD	CXXC1	cg11871295	0.0322793732923214	503	0.722165060392386	0.47053060700803	0.00104195794014503	0.659100384276836
PRAD	CXXC1	cg13423076	-0.108730051391225	503	-2.4457781132513	0.0147977130876114	0.0118222240755384	0.057777371740796
PRAD	CXXC1	cg15632775	0.0242296759595302	503	0.541951132114266	0.588093599655564	0.000587077197103837	0.751736783906213
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PRAD	CXXC1	cg27419474	-0.0685934486767654	503	-1.53741722597315	0.124823725253639	0.00470506120137205	0.278111378232948
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PRAD	DAXX	cg02173004	0.16439127745777	503	3.72660033253631	0.000216229023403694	0.0270244921041975	0.00185195647326511

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PRAD	DAXX	cg03085224	-0.0885472375631204	503	-1.98778448393363	0.0473804983835338	0.00784061328005968	0.138732000085241
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PRAD	DAXX	cg03902329	-0.00016680663342246	503	-0.0037299097661966	0.997025457141019	2.78244529537378e-08	0.998517959753583
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PRAD	DAXX	cg04488476	-0.0648914185623003	502	-1.45262614358651	0.146956090851635	0.00421089620302766	0.311447465925085
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PRAD	DAXX	cg05431670	0.00965709920439302	501	0.215517041261639	0.8294524642333	9.32595650434883e-05	0.908387884711058
PRAD	DAXX	cg05532204	-0.0693819859088608	503	-1.55517608469621	0.12053684686276	0.00481385996865736	0.271507465281981
PRAD	DAXX	cg06171013	-0.065201925917403	503	-1.46106840760096	0.144624787143945	0.00425129114333851	0.308059270879909
PRAD	DAXX	cg07689821	0.185087733702067	503	4.21145302565001	3.00977787514654e-05	0.0342574691669674	0.00034191393110273
PRAD	DAXX	cg08375286	-0.0265005202886873	503	-0.59277783189262	0.55359784337497	0.000702277575571128	0.725490896996604
PRAD	DAXX	cg08567382	0.195162562987685	503	4.44952795741963	1.06171940723581e-05	0.0380884259919219	0.000138142498020577
PRAD	DAXX	cg09097215	0.107207225462647	503	2.41112246608748	0.0162630951835537	0.0114933891913989	0.0620791139940518
PRAD	DAXX	cg09432361	-0.0560143915964235	503	-1.2544894700994	0.210250256424225	0.00313761206591748	0.39589899507823
PRAD	DAXX	cg09615909	0.144654613617269	503	3.26895770563361	0.00115377298436801	0.0209249572407613	0.00756545984035109
PRAD	DAXX	cg11111423	0.146596192658323	503	3.31379133176931	0.000987143923890107	0.0214904437019162	0.00664421823975661
PRAD	DAXX	cg12025215	0.105004396942857	503	2.36102199696606	0.0186073688665544	0.0110259233773331	0.0688616932403184
PRAD	DAXX	cg12832355	0.132074809009509	503	2.97938264312943	0.00302875693112681	0.0174437551748983	0.0165928955422591
PRAD	DAXX	cg12923297	0.222163420310049	503	5.09505331769972	4.95069774677202e-07	0.0493565853238596	9.14157561149732e-06
PRAD	DAXX	cg13443893	-0.0052496214701803	503	-0.117386722148292	0.906600743446503	2.7558525580178e-05	0.950590200412483
PRAD	DAXX	cg13826470	0.0959868446211373	503	2.1562875315181	0.0315374086527359	0.00921347434032236	0.102459101450172
PRAD	DAXX	cg14539675	-0.00480462304270118	503	-0.107435877351096	0.91448628824964	2.30844025824551e-05	0.954856000377055
PRAD	DAXX	cg14622330	-0.0205122881241551	503	-0.458765229995539	0.646602118209102	0.000420753964088354	0.792791123648305
PRAD	DAXX	cg14746369	0.0668139305292321	503	1.49735080621006	0.134932992548048	0.00446410131276506	0.293629953908721
PRAD	DAXX	cg14910283	0.163147969548371	503	3.69764194592946	0.000241698155097887	0.0266172599677561	0.00203514084616139
PRAD	DAXX	cg16922466	0.0594371932736639	503	1.33140991540585	0.183660858427962	0.00353277994425088	0.361926959186799
PRAD	DAXX	cg17079757	0.013102810283923	503	0.293012898751145	0.76963385768822	0.000171683637336477	0.872274130608936
PRAD	DAXX	cg17504991	0.0349608303702987	503	0.782226120456471	0.43445197375321	0.0012222596601808	0.627965976963588
PRAD	DAXX	cg18187593	-0.140450840693757	503	-3.17201841897969	0.00160686899734449	0.019726438651583	0.00995340128827276
PRAD	DAXX	cg18279148	0.0843818592478302	488	1.86496911269085	0.0627894279919155	0.00712029817012063	0.170178753482322
PRAD	DAXX	cg18486541	0.0729283634066361	503	1.63508170629612	0.102661277618716	0.00531854618917037	0.242694722070199
PRAD	DAXX	cg18944910	0.178112009442803	503	4.04742301277251	5.99911906102644e-05	0.031723887907753	0.000622260624311321
PRAD	DAXX	cg18967278	-0.0694343754984071	503	-1.55635606810144	0.12025615274095	0.00482113250085379	0.271111041662067
PRAD	DAXX	cg20223162	0.158559650368797	502	3.58733624771124	0.000366999498175354	0.0251411627250751	0.0028941063315817
PRAD	DAXX	cg20763184	0.133441174909513	503	3.0107614168629	0.00273768986304354	0.0178065471612312	0.0153120889500042
PRAD	DAXX	cg21286626	0.0627926077178263	503	1.40686169844359	0.160089660417603	0.00394291158400482	0.329863992650696
PRAD	DAXX	cg24328964	-0.0773035660829598	503	-1.73374835155044	0.0835791621277991	0.00597584132914253	0.209355615113179
PRAD	DAXX	cg24496586	-0.0984881157659246	503	-2.21302042097554	0.0273471041278699	0.0096990894712217	0.0921408730791076
PRAD	DAXX	cg24513883	0.136623966942143	503	3.08392277501525	0.0021558669892327	0.0186661083430078	0.0126144405183918
PRAD	DAXX	cg24728112	0.0980595953518841	503	2.20329790718007	0.0280290144941737	0.00961568424057524	0.0938733060771374
PRAD	DAXX	cg25642825	0.200266032663555	503	4.57067948143015	6.13352373907074e-06	0.0401064838388002	8.51599760409189e-05
PRAD	DAXX	cg26521092	0.060752709470423	503	1.3609858294092	0.174131251137171	0.00369089170799762	0.349304209560482
PRAD	DAXX	cg27052777	0.125921426061888	503	2.83828078078004	0.00472016008062231	0.0158562055414596	0.023690331181415
PRAD	DAXX	cg27393652	-0.198887289017747	503	-4.53791170065959	7.12351329972792e-06	0.0395561537328288	9.68822716152156e-05
PRAD	DIDO1	cg00080059	0.074107764973808	503	1.66166919457875	0.0972059245270838	0.00549196082941316	0.233310880264825
PRAD	DIDO1	cg01488865	0.0157513147721718	503	0.352253806141012	0.724796350525405	0.000248103917052038	0.844071305710593
PRAD	DIDO1	cg06646488	0.0627809648361165	503	1.40659980859567	0.160167306787626	0.00394144954575369	0.329962805578005
PRAD	DIDO1	cg08610063	-0.00115488057229859	503	-0.0258239318768641	0.979408076442605	1.33374913627271e-06	0.989378936485859
PRAD	DIDO1	cg13815390	0.0691247737540527	503	1.54938302045852	0.121922367574337	0.00477823434654897	0.27367714063762
PRAD	DIDO1	cg20969846	0.0217373346399547	503	0.486176454653355	0.627055069776213	0.000472511717249376	0.779500193323278
PRAD	DIDO1	cg21212389	0.0235611846178289	503	0.526990398602073	0.598433980511864	0.000555129420595415	0.758934711615857
PRAD	DIDO1	cg21687703	0.0325832305303609	503	0.728970248481272	0.466361169617644	0.00106166691179464	0.655654542149415
PRAD	DIDO1	cg22394521	-0.179816234346207	503	-4.08743756971121	5.08085027244517e-05	0.03233387813445	0.000537548845497891

PRAD	DMAP1	cg01604592	-0.120787581718791	503	-2.72081320422841	0.00673910204202491	0.0145896398974735	0.0314362118041186
PRAD	DMAP1	cg11683482	0.013236879374344	503	0.296011554874712	0.767344157607118	0.000175214975570933	0.871125870427109
PRAD	DMAP1	cg15990015	-0.233596832789403	503	-5.37200841178865	1.19543684530124e-07	0.0545674802892404	2.55278105801165e-06
PRAD	DMAP1	cg18017761	-0.141647799076281	503	-3.1996022874694	0.00146355293923896	0.0200640989831544	0.00921162114523911
PRAD	DMAP1	cg18167340	-0.172483857127707	503	-3.91554107590767	0.000102719592305472	0.0297506809696512	0.000986539254791592
PRAD	DMAP1	cg21437596	-0.0185555341603025	503	-0.414985804997808	0.678330298279022	0.000344307847974152	0.814312317261311
PRAD	DMAP1	cg23021241	-0.0546174566031181	503	-1.22310912774087	0.221864629682301	0.00298306656579349	0.410299563200168
PRAD	DMAP1	cg23451311	-0.184427476194882	503	-4.19589967415372	3.21638132092942e-05	0.0340134939756138	0.000362053492230333
PRAD	DMAP1	cg24485408	-0.106164502786651	503	-2.38740266569718	0.0173384136483082	0.0112709016519367	0.0652416541533922
PRAD	DNMT1	cg04160663	0.0173631718899259	503	0.388310864850157	0.697951277129627	0.000301479738079114	0.826728359955793
PRAD	DNMT1	cg04762346	-0.062864689590253	503	-1.40848308914252	0.159609577927348	0.00395196919727887	0.32923231439996
PRAD	DNMT1	cg06128182	-0.0618293886762826	503	-1.38519741330052	0.166609776099672	0.00382287330408282	0.339084813508421
PRAD	DNMT1	cg06716436	-0.0654882379981597	503	-1.46751176584909	0.142865620253825	0.00428870931610361	0.305508344430195
PRAD	DNMT1	cg10635912	0.0382579632640246	503	0.856100820109368	0.392352094834333	0.00146367175311145	0.589362018273619
PRAD	DNMT1	cg11380607	-0.0599293764042298	503	-1.34247453225669	0.180051365959276	0.00359153015619986	0.357137071989697
PRAD	DNMT1	cg13393778	-0.0176886592091562	503	-0.395592337245861	0.69257452210234	0.000312888664617666	0.823520289444961
PRAD	DNMT1	cg15043801	0.0277896614194455	503	0.621635800289441	0.53446469685003	0.000772265281807419	0.711193151556889
PRAD	DNMT1	cg21893394	0.0934436555937448	503	2.09864614023919	0.036349108484627	0.00873171677072239	0.114095486824285
PRAD	DNMT1	cg23401624	-0.0255281322199067	503	-0.571012480433018	0.568247732390591	0.000651685534637037	0.736807908621992
PRAD	DNMT1	cg24477899	-0.00583381287218124	503	-0.13045024135183	0.896262685290347	3.40333726276276e-05	0.94501163986574
PRAD	DNMT1	cg27429799	0.00267201702462267	503	0.0597483303331405	0.952379950992109	7.13967497987339e-06	0.974912441542715
PRAD	DNMT3A	cg02208653	-0.102099718381731	503	-2.29501245485639	0.0221457059382749	0.0104243524936288	0.0786273126631445
PRAD	DNMT3A	cg03463641	-0.119060517828784	503	-2.68134653316653	0.00757501051263988	0.0141754069056581	0.0344667095734162
PRAD	DNMT3A	cg06112956	-0.190013964372885	503	-4.32768584036108	1.82062478141828e-05	0.0361053066567	0.000220957385718648
PRAD	DNMT3A	cg07150430	0.323774324781992	503	7.65199369763531	1.02636005950004e-13	0.104829813388035	6.79528974202097e-12
PRAD	DNMT3A	cg12066181	-0.0429276904510092	503	-0.960778002282879	0.337128183036173	0.00184278660745766	0.536687166775386
PRAD	DNMT3A	cg13076778	-0.146828742156669	503	-3.31916382046956	0.000968750526587066	0.0215586795233095	0.00653965450063469
PRAD	DNMT3A	cg13344237	-0.0577649564409263	503	-1.29382410670494	0.196323513737168	0.00333679019262212	0.378367185127444
PRAD	DNMT3A	cg15990840	-0.121807052852029	503	-2.74412178837668	0.00628540612956743	0.0148369581244971	0.0297569915070331
PRAD	DNMT3A	cg15998962	-0.106434394192134	503	-2.39354137373707	0.0170542844887911	0.0113282802670466	0.0643976802019715
PRAD	DNMT3A	cg21629895	-0.363144647704159	503	-8.7151181039153	4.28868808501704e-17	0.131874035156178	4.31609574237795e-15
PRAD	DNMT3A	cg21708767	-0.0739970134766188	503	-1.65917220466912	0.0977081700458769	0.0054755580034589	0.23416128217088
PRAD	DNMT3A	cg22731525	0.173663366560768	503	3.94314674868692	9.18969988753406e-05	0.0301589648852198	0.000895787997425773
PRAD	DNMT3A	cg25044635	-0.0435294206277045	503	-0.974270902451949	0.330393152031503	0.00189481046018362	0.530125502622282
PRAD	DNMT3A	cg26470599	-0.261251606975594	503	-6.05194303902668	2.80962539637605e-09	0.0682524021473301	8.54130512253532e-08
PRAD	DNMT3A	cg26995204	-0.028734304899513	503	-0.642784005822706	0.520658905516136	0.000825660278058178	0.700894891185854
PRAD	DNMT3B	cg00300969	-0.13051555137517	503	-2.94359519138588	0.00339510276717331	0.0170343091507646	0.0181924937780328
PRAD	DNMT3B	cg13636640	-0.0450632243972398	502	-1.00765982613862	0.314106162623292	0.00203069419307599	0.513185616107089
PRAD	DNMT3B	cg14224313	0.239035793666975	503	5.50457634054599	5.92288591069922e-08	0.0571381106540006	1.35999110548092e-06
PRAD	DNMT3B	cg16523653	-0.0922414821822166	503	-2.07141337111476	0.0388324976652753	0.00850849103517218	0.119828629493133
PRAD	DNMT3B	cg16953106	-0.0844742168388424	503	-1.895676694757	0.0585791846177049	0.00713589331053577	0.161829157959863
PRAD	DNMT3B	cg17475857	-0.136554908054163	503	-3.0823343265706	0.00216718708637073	0.0186472429136808	0.0126716146683518
PRAD	DNMT3B	cg17721173	-0.0717892482160189	503	-1.60940895017772	0.108158097678241	0.00515369615942117	0.25195541400752
PRAD	DNMT3B	cg22605822	-0.139533133302464	503	-3.1508794968768	0.00172535061215275	0.0194694952892032	0.0105412648646675
PRAD	DNMT3B	cg24403338	-0.137730994407073	503	-3.10939218525165	0.0019816289475493	0.0189698268203613	0.011804796871556
PRAD	DNMT3B	cg25803642	0.170224584474153	503	3.86271258286914	0.000126878377591246	0.0289764091593981	0.00118179795334451
PRAD	DNMT3L	cg09247319	0.0452946470037974	503	1.01385965093734	0.311140080734342	0.00205160504719861	0.510063165911688
PRAD	DNMT3L	cg15635600	-0.089600576439419	503	-2.01162098112711	0.0447959226015306	0.00802826329827617	0.133121476157975
PRAD	DNMT3L	cg27187798	0.0486027082976059	503	1.08807549490221	0.277085975990792	0.00236222325386217	0.47387253354219
PRAD	DPF1	cg06168449	-0.0619255400137032	503	-1.38735982993168	0.165950112439321	0.00383477250598875	0.338177421011251
PRAD	DPF1	cg06615189	-0.0316734636153702	503	-0.708595701000176	0.478905631445082	0.00100320829739418	0.66632061761377
PRAD	DPF1	cg07480327	0.0135129011009006	489	0.297924615312254	0.765888017831793	0.000182598496162719	0.870133079113335
PRAD	DPF1	cg08057062	0.0160305339405496	503	0.358499702298107	0.720120704980932	0.000256978018419112	0.841283527906392
PRAD	DPF1	cg13322582	0.0488942849194115	503	1.09461865649031	0.274210757155718	0.00239065109778059	0.470683841284664
PRAD	DPF1	cg13917712	0.0341245106877078	503	0.763491921843157	0.445530173750371	0.00116448222967548	0.637464352995831
PRAD	DPF1	cg17121541	0.0131354753543022	503	0.293743500539606	0.769075801615589	0.00017254071278348	0.87200715358552
PRAD	DPF1	cg22145401	-0.0310364392209056	502	-0.693635691992409	0.488233452849306	0.000963260559512965	0.674315197044718

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PRAD	DPF2	cg02186298	-0.00866812068869461	503	-0.193832353032215	0.846385873135656	7.51363162737756e-05	0.917900305503955
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PRAD	DPF3	cg07171024	-0.0200447016748268	503	-0.448303226275742	0.654128571160415	0.000401790065232805	0.798181730791061
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PRAD	DPF3	cg12913429	-0.023917555956838	499	-0.532821684795897	0.594395650519955	0.000572049482948479	0.756042415428317
PRAD	DPF3	cg13819165	-0.0130483738145631	503	-0.291795350056129	0.770564124572264	0.000170260059204575	0.872878760184189
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PRAD	DPF3	cg22784589	-0.0705557296703258	503	-1.58161571834537	0.114369651488818	0.0049781109893121	0.261950840974656
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PRAD	DPF3	cg24383902	-0.0366945302281182	503	-0.821067605192018	0.411999058296571	0.00134648854866228	0.60766053163567
PRAD	DPF3	cg25495195	-0.0640731996126665	503	-1.43567031197778	0.151721461613826	0.00410537490860461	0.318170349701958
PRAD	DPF3	cg26057784	0.113611720085784	502	2.55443295780899	0.0109319377049305	0.0129076229408504	0.0457143335461269
PRAD	EED	cg00080012	-0.174367130914089	503	-3.95962623417468	8.59609429042611e-05	0.030403896343211	0.000844528558141092
PRAD	EED	cg01739327	0.137149967573236	503	3.09602301101191	0.00207140305072935	0.0188101136053397	0.0122386076881544
PRAD	EED	cg02172616	0.0766849212894297	503	1.71979110666018	0.0860892341262776	0.00588057715316603	0.214009902205523
PRAD	EED	cg04607174	-0.0720833591530436	503	-1.61603685152865	0.106717095730271	0.00519601066678668	0.249435139417742
PRAD	EED	cg06358433	-0.0496371342456233	503	-1.11128993124436	0.266977655097517	0.00246384509611803	0.46271130643533
PRAD	EED	cg10086030	0.104807876914818	503	2.35655412340891	0.0188301680955663	0.0109846910633915	0.0695175634408924
PRAD	EED	cg10535675	0.0993180475545833	501	2.22738574313226	0.0263676419279106	0.00986407457005447	0.0896483692207453
PRAD	EED	cg12672785	-0.143890825816621	503	-3.25133143747091	0.00122614944347496	0.0207045697541892	0.00795887107264841
PRAD	EED	cg16265078	0.0213740126274886	503	0.478046661774608	0.63282592812612	0.000456848415800044	0.783604008694202
PRAD	EED	cg18574463	-0.0956113969404309	503	-2.14777535488064	0.0322115240337872	0.00914153922490063	0.104091249767958
PRAD	EED	cg19325359	0.0281588091453219	503	0.629899893316788	0.529047820082879	0.000792918532482663	0.707337911790353
PRAD	ELP3	cg01209934	0.0467577565145346	503	1.04668001834995	0.295752894192678	0.0021862877942725	0.493687251112033
PRAD	ELP3	cg02516513	0.0757496570267128	503	1.69869439828983	0.0899988684197512	0.00573801053966462	0.220779893095551
PRAD	ELP3	cg04720865	-0.0894518950016937	503	-2.00825598891979	0.0451533947790712	0.00800164151939403	0.133933091601901
PRAD	ELP3	cg05621091	-0.0154098915661896	503	-0.344616570253634	0.730527549129808	0.000237464758081722	0.847624206258361
PRAD	ELP3	cg15692687	0.0315318566225651	503	0.705424522841308	0.480874590889554	0.000994257982066001	0.668092258521662
PRAD	ELP3	cg17572663	0.015201491417153	503	0.339954963255173	0.734033206408421	0.000231085341305776	0.850036247156664
PRAD	ELP3	cg18022570	-0.0700552925290641	503	-1.57034212089132	0.116968119045038	0.00490774401133275	0.26605707005613
PRAD	ELP3	cg18249244	-0.165256214775942	503	-3.74675669479455	0.000200017210145587	0.0273096165220724	0.00173720429229271
PRAD	ELP3	cg19781013	0.173649480585232	503	3.94282165469399	9.20179170498762e-05	0.030154142107521	0.000896710740195173
PRAD	ELP3	cg22414525	0.11492880902894	503	2.58702864408707	0.00996197877219103	0.0132086311448106	0.04249271721701
PRAD	ELP3	cg22487209	-0.160428728984255	503	-3.63436987709387	0.000307493572662327	0.0257373770835036	0.00249542614142427
PRAD	ELP3	cg25374552	0.132701732012035	503	2.99377785513381	0.00289188201263279	0.017609749678994	0.0159837349407286
PRAD	ELP4	cg04972224	-0.14803699582436	503	-3.3470866488323	0.000878174589810155	0.0219149521327016	0.00602387038530035
PRAD	ELP4	cg05195750	0.0162222173117855	503	0.362787545336102	0.716916902764657	0.000263160334510793	0.839145355897823
PRAD	ELP4	cg05635455	-0.190521118766376	503	-4.33967106015555	1.72752704083085e-05	0.0362982966959915	0.000210842859451514
PRAD	ELP4	cg08111895	-0.112661515848594	503	-2.53532944446342	0.0115377583726988	0.0126926171533031	0.0476770622992526
PRAD	ELP4	cg08626560	-0.166700539646241	503	-3.7804348515751	0.000175458306390273	0.0277890699183481	0.00155604234921625
PRAD	ELP4	cg09616795	0.098935827279171	503	2.22317968127194	0.0266499471551542	0.00978829791941396	0.0903631905935599
PRAD	ELP4	cg10583382	-0.201309982652869	503	-4.59550922704356	5.47276072716774e-06	0.0405257091156984	7.70584521283777e-05

PRAD	ELP4	cg11385473	-0.0451759575345475	503	-1.01119750685054	0.312410991892763	0.00204086713916324	0.511477246672716
PRAD	ELP4	cg13263383	-0.157066330901823	503	-3.55624990457773	0.000411958354130616	0.024669832302961	0.00318375789918907
PRAD	ELP4	cg19328333	0.0695246753211163	503	1.55838994324152	0.119773540254483	0.00483368047850664	0.270387038844501
PRAD	ELP4	cg24001477	-0.0418924065083933	503	-0.937565749837541	0.348920266057126	0.00175497372306447	0.547983547790047
PRAD	ELP4	cg24531794	-0.114002842799617	503	-2.56590970595874	0.0105808426463267	0.0129966481663941	0.0445373128522542
PRAD	ELP4	cg25130734	-0.175795014415515	503	-3.99308109756597	7.50094144569478e-05	0.0309038870933511	0.000752066295690655
PRAD	EP300	cg00500400	-0.0100996377535249	503	-0.225846284407244	0.821413263979998	0.000102002682752426	0.904155330515575
PRAD	EP300	cg02046995	0.178806501671779	503	4.06372486326777	5.60744924174661e-05	0.0319717650401	0.000586088816757269
PRAD	EP300	cg07519229	0.0258867638240816	503	0.579039683146655	0.562823157338504	0.000670124541283779	0.73289016813691
PRAD	EP300	cg08131204	-0.177405630067112	503	-4.03084854231453	6.42389319655453e-05	0.031472757579509	0.000660444221284342
PRAD	EP300	cg09331127	-0.0501878371844488	503	-1.12365018383984	0.261700655499354	0.00251881900125275	0.457068911973765
PRAD	EP300	cg24349919	0.225123691204556	503	5.1665429322529	3.45125163405107e-07	0.0506806763415641	6.59672406927197e-06
PRAD	EPC1	cg02900516	0.0288696959971617	503	0.645815213857958	0.518695304917646	0.000833459346968532	0.699488317138408
PRAD	EPC1	cg16942190	-0.143550651568091	503	-3.24348299804781	0.00125971079640112	0.0206067895656234	0.0081359851967811
PRAD	EPC1	cg26211455	0.167772444787301	503	3.80544525030108	0.000159091620690867	0.028147593229908	0.0014311255249798
PRAD	EPC2	cg00066942	-0.169743123820166	503	-3.85146274651817	0.000132674454843294	0.0288127280842283	0.00122740831728852
PRAD	EPC2	cg03664802	-0.207441007441573	503	-4.74166486603497	2.76853011651377e-06	0.0430317715683747	4.21807739686785e-05
PRAD	EPC2	cg04098458	-0.211136137767976	503	-4.83003261029737	1.81776958220678e-06	0.0445784686715778	2.90134980174523e-05
PRAD	EPC2	cg05586854	0.118920292796759	503	2.67814321519771	0.00764678626970806	0.0141420360388669	0.0347189267576555
PRAD	EPC2	cg10458926	-0.10338519809728	503	-2.32421787814948	0.0205135940064813	0.0106884991856137	0.0742490360647749
PRAD	EPC2	cg11721798	-0.164380873340764	503	-3.72635793052309	0.000216431315252761	0.0270210715202723	0.00185337471116304
PRAD	EPC2	cg12432635	-0.0244239856519347	503	-0.546299888729344	0.585103491366547	0.000596531075125912	0.749654814179801
PRAD	EPC2	cg16434205	0.117904426887133	503	2.6549414902737	0.00818517581071423	0.0139014538795834	0.0365721421525876
PRAD	EPC2	cg21347644	-0.211378336308775	503	-4.83583222136604	1.76786240370751e-06	0.0446808010606655	2.83389836872083e-05
PRAD	EPC2	cg21650422	-0.093133137956505	502	-2.08951846104236	0.0371669178305833	0.0086737813856254	0.11599690913494
PRAD	EZH1	cg00728999	-0.0230697314356608	503	-0.515992204154909	0.606087951499726	0.000532212508513516	0.764553148905166
PRAD	EZH1	cg01716316	-0.00046999961923446	503	-0.0105095121408467	0.991618968748633	2.20899642080545e-07	0.995586263678065
PRAD	EZH1	cg03623386	-0.0161301928461743	503	-0.360729007794706	0.718454387016615	0.000260183121254774	0.840144313254525
PRAD	EZH1	cg05375741	-0.0800680293881249	503	-1.79614225724569	0.0730754577912951	0.00641088933009764	0.190280899833178
PRAD	EZH1	cg05979501	-0.0650049457560072	503	-1.4566356450387	0.145844654992039	0.00422564297274144	0.309844519181672
PRAD	EZH1	cg06975499	-0.0232952449323831	503	-0.521038907082919	0.602570343653766	0.000542668436459722	0.761859534883883
PRAD	EZH1	cg12812489	-0.00146588442729542	503	-0.0327782074831152	0.973864537132752	2.14881715418722e-06	0.986366235310193
PRAD	EZH1	cg19395400	0.0619823306212756	503	1.38863705299053	0.165561411375131	0.00384180930924512	0.337677217673876
PRAD	EZH1	cg22227424	-0.00110477592130766	503	-0.0247035556752068	0.980301274755485	1.22052983630118e-06	0.98980566885574
PRAD	EZH1	cg27088844	-0.00600738725687789	503	-0.134331686685401	0.893194351835565	3.60887016540989e-05	0.943335824320471
PRAD	EZH2	cg01893439	-0.0920915938527639	503	-2.0680186019913	0.0391519783148847	0.00848086165834243	0.120572780215674
PRAD	EZH2	cg02303805	-0.15746957385605	503	-3.5656118616569	0.000397880782772292	0.0247966666904059	0.00309156388483696
PRAD	EZH2	cg06816161	-0.074038236634404	503	-1.66010160979993	0.0975209866708774	0.005481660483932	0.233803335038
PRAD	EZH2	cg13751213	-0.0488925582904898	503	-1.0945799090344	0.274227723300452	0.00239048225618894	0.470683776948975
PRAD	EZH2	cg18494018	0.011980969894402	503	0.267921861132261	0.788869955818442	0.000143543639610567	0.883843796204604
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PRAD	FBXL19	cg00026853	-0.184267044943681	503	-4.19212136547402	3.26857359550327e-05	0.0339543438522764	0.000367237744495351
PRAD	FBXL19	cg02291855	-0.0941764332499761	503	-2.11525024728018	0.0349025919440173	0.0088692005796872	0.110617299669717
PRAD	FBXL19	cg03181514	-0.149530626125251	503	-3.38162574616787	0.000777033303338277	0.0223594081494095	0.00543211078359974
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PRAD	FBXL19	cg04477789	-0.167696298528752	503	-3.80366809845297	0.000160205291581148	0.0281220485402444	0.00143981174367651
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PRAD	FBXL19	cg05768582	-0.0290870017792351	503	-0.650680445935554	0.515551675281836	0.000846053672505223	0.696872759906953
PRAD	FBXL19	cg06862768	-0.121096568652771	503	-2.72787677215812	0.00659858822319693	0.0146643789394754	0.0309109466922619
PRAD	FBXL19	cg07697662	-0.0662502333766543	503	-1.48466199661577	0.138263527363286	0.00438909342246116	0.298650695623114
PRAD	FBXL19	cg08535091	-0.0474872858016342	503	-1.06304727597915	0.288273656883455	0.00225504231280609	0.485825631992991
PRAD	FBXL19	cg08593668	0.0670507136395925	503	1.50268121725583	0.133552565020763	0.00449579819957863	0.291533214700237
PRAD	FBXL19	cg09011601	-0.166845262354807	503	-3.78381081012498	0.000173159896911293	0.0278373415702443	0.00153916830670899
PRAD	FBXL19	cg11940219	-0.0187331337288292	503	-0.418959123668486	0.675425923792453	0.000350930299302197	0.812357327739368
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PRAD	FBXL19	cg27602786	-0.102789395879708	503	-2.31068011066978	0.0212565764429976	0.0105656599053153	0.0762887113769403
PRAD	FBXW9	cg02753619	0.0744222269841309	503	1.66875935445938	0.0957910850058352	0.0055386678692775	0.230923835819404

PRAD	FBXW9	cg03160342	-0.00321230728075183	503	-0.0718297450473688	0.942766123166101	1.03189180659712e-05	0.969564024258568
PRAD	FBXW9	cg05868316	0.00845304991130804	503	0.189022695528308	0.850151729817975	7.14540528030648e-05	0.920107198370381
PRAD	FBXW9	cg06489804	-0.110310380402175	503	-2.48176081211954	0.0134009217109491	0.0121683800244726	0.0535554969475792
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PRAD	FKBP2	cg15010817	-0.0457569562008628	503	-1.02422942097589	0.306222194199459	0.00209369904076768	0.504687288156279
PRAD	FKBP2	cg16977872	-0.167186197848948	503	-3.79176483530519	0.000167856447619572	0.0279512247511874	0.0014990499926664
PRAD	FKBP2	cg19924313	-0.0470050318941108	503	-1.05222754298518	0.293203414136129	0.00220947302336638	0.490874521688639
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PRAD	FKBP5	cg00130530	-0.114055107259613	503	-2.56710154459957	0.0105450247654263	0.0130085674920018	0.044412303427079
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PRAD	FKBP5	cg00610228	0.106161757274173	503	2.38734022147528	0.0173413251350404	0.0112703187075405	0.0652471971152706
PRAD	FKBP5	cg01294490	0.0515439480613591	503	1.15409181977382	0.249013852572948	0.00265677858175209	0.442480211216535
PRAD	FKBP5	cg07485685	0.0773170878617984	503	1.73405343883413	0.0835249662839781	0.00597793207542905	0.209253549758334
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PRAD	FKBP5	cg16012111	0.0950719040190181	503	2.13554555156207	0.0332017136061648	0.0090386669338014	0.106485581484397
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PRAD	FMR1	cg02921434	-0.0497139857221623	503	-1.11301476301329	0.266236892361041	0.00247148037638336	0.462065697044772
PRAD	FMR1	cg03513471	-0.0915436156277472	503	-2.05560883683318	0.0403389756860918	0.00838023356220072	0.123165505751786
PRAD	FMR1	cg04552106	-0.125766932710662	503	-2.83474248538969	0.00477190136830913	0.0158173213634481	0.0238945220807312
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PRAD	FMR1	cg07147350	0.0578305167791051	503	1.29400151127367	0.196263472538517	0.00334436867093836	0.378272758726633
PRAD	FMR1	cg08434396	-0.143086216030998	503	-3.23276951918849	0.0013068977906898	0.0204736652180693	0.00838436473106733
PRAD	FMR1	cg14470409	-0.0815519024943724	503	-1.82965036618659	0.0678975170076038	0.00665071280045162	0.180347563442008
PRAD	FMR1	cg16783314	-0.00760576830834168	503	-0.170075068883563	0.865019892720682	5.78477115601746e-05	0.928350704737577
PRAD	FMR1	cg22625568	-0.0936963656983558	499	-2.09593755182796	0.0365939271609594	0.00877900894508002	0.114669619332944
PRAD	FXR2	cg01807919	0.144359170180361	503	3.26213892116537	0.00118128908463344	0.0208395700151624	0.00771273210658613
PRAD	FXR2	cg01933235	-0.234654592785664	503	-5.39774772106873	1.04422117604175e-07	0.0550627779154056	2.26027106758464e-06
PRAD	FXR2	cg05529097	-0.323292295822869	503	-7.63927079461658	1.12136715485815e-13	0.104517908538422	7.38034149281176e-12
PRAD	FXR2	cg05913233	-0.323464556348337	503	-7.64381675802297	1.08646488578464e-13	0.104629319213626	7.16882521838257e-12
PRAD	FXR2	cg09625173	-0.362622916923746	503	-8.70069976380179	4.78936490864389e-17	0.131495379878286	4.79515899231716e-15
PRAD	FXR2	cg17777561	-0.24037908801563	503	-5.53740146666305	4.96663814929777e-08	0.0577821059552262	1.1602842287882e-06

PRAD	FXR2	cg19178740	-0.215308683154107	503	-4.93007837082893	1.12013460498126e-06	0.0463578290415555	1.89187476031073e-05
PRAD	FXR2	cg22521096	-0.26607619611684	503	-6.17213784352298	1.39392633774444e-09	0.0707965421400068	4.49023211256691e-08
PRAD	FXR2	cg26904212	0.0484216727046721	503	1.08401308348748	0.278881426234281	0.00234465838751839	0.475826333424052
PRAD	G2E3	cg02259031	0.130860336353532	503	2.95150663339764	0.00331079605799873	0.0171244276305596	0.0178143635728284
PRAD	G2E3	cg05076167	-0.174229491633963	503	-3.95640275415828	8.70927008388155e-05	0.0303559157550293	0.000854279355573674
PRAD	G2E3	cg07906495	0.145429842479658	503	3.28685410738913	0.00108435578376304	0.021149839083658	0.00718232216620368
PRAD	G2E3	cg08810065	-0.0425075308682414	503	-0.951357173344148	0.341882736717588	0.0018068901805145	0.541039619598195
PRAD	G2E3	cg09837748	-0.0803541652639105	503	-1.80260269757925	0.0720526710466052	0.00645679187525985	0.188264721683708
PRAD	G2E3	cg18580322	-0.202214214036153	502	-4.61240969371031	5.06508042959428e-06	0.0408905883582589	7.20088073818124e-05
PRAD	G2E3	cg18755078	0.0650052434005141	503	1.45664234298219	0.145842805820056	0.00422568166956008	0.309844519181672
PRAD	G2E3	cg18956956	-0.268415455899909	503	-6.2305946577976	9.87267224163667e-10	0.0720468569659558	3.26962394366063e-08
PRAD	G2E3	cg19554565	0.123258807492115	503	2.77732908139247	0.00568661275540986	0.0151927336243782	0.0274943662333347
PRAD	G2E3	cg21061067	-0.104126338199213	503	-2.34106153197674	0.0196209653579131	0.0108422943067768	0.0717561973651399
PRAD	G2E3	cg22926526	-0.053144696498296	503	-1.19003326887614	0.234598051842236	0.00282435876589599	0.425613825676653
PRAD	GADD45	cg01810953	-0.091680124917032	503	-2.05870011195469	0.0400404676833768	0.00840524530480259	0.12257144543976
PRAD	GADD45	cg02639608	-0.223003602764043	503	-5.11532828852415	4.4710901736278e-07	0.0497306068457432	8.34310359719839e-06
PRAD	GADD45	cg04718306	0.0588420749060863	503	1.31803254399798	0.188096268686985	0.00346238977925347	0.367564961724073
PRAD	GADD45	cg07000785	-0.0412260111558018	503	-0.922626007472527	0.356647126350132	0.00169958399581829	0.555510477052118
PRAD	GADD45	cg22224769	-0.0597050355410963	503	-1.33743107326502	0.181690028931415	0.00356469126896357	0.359123789590185
PRAD	GADD45	cg23369529	-0.336526953822604	503	-7.9910593027167	9.3097997389462e-15	0.113250390649121	6.97061175064081e-13
PRAD	GADD45	cg23723105	-0.190460764252161	503	-4.33824455597434	1.73836437577442e-05	0.0362753027195171	0.000211932797757398
PRAD	GATAD2A	cg02887458	-0.0550022229542473	503	-1.23175168068561	0.21862083493766	0.00302524452990873	0.406409075892889
PRAD	GATAD2A	cg08505228	-0.0608066177305159	503	-1.36219796529328	0.173748744685108	0.00369744475982509	0.348779734841134
PRAD	GATAD2A	cg08870822	-0.00271039352706719	503	-0.0606064643379917	0.951696841871914	7.34623307156773e-06	0.974418322145086
PRAD	GATAD2A	cg09334331	-0.0957642734516144	502	-2.1490889522281	0.0321076556848238	0.00917079606971559	0.103823383753645
PRAD	GATAD2A	cg11795262	0.0475896239292109	503	1.06534340523243	0.287234731720365	0.00226477230572372	0.484699653357934
PRAD	GATAD2A	cg14948912	0.00521717897237204	503	0.11666125603969	0.90717533651026	2.7218956429761e-05	0.9509017960717
PRAD	GATAD2A	cg15264323	0.0672110075878826	503	1.50628986525373	0.132624264964933	0.00451731954097841	0.290119405194188
PRAD	GATAD2A	cg22191731	-0.042405975531861	503	-0.949080173061533	0.343038331081238	0.00179826676080879	0.542327797429914
PRAD	GATAD2A	cg26631329	-0.194016213110524	503	-4.42236679955228	1.19865520962713e-05	0.0376422909497484	0.000153520222880693
PRAD	GATAD2E	cg02134200	0.165819914163152	503	3.75989783644658	0.000190072119327899	0.0274962439330752	0.00166196138597219
PRAD	GATAD2E	cg02940454	0.101506447804029	503	2.28153758689478	0.0229361742221956	0.010303558945792	0.0807520246850782
PRAD	GATAD2E	cg09805553	0.0230943590378042	503	0.51654333446892	0.605703359602417	0.000533349419367009	0.764292364724371
PRAD	GATAD2E	cg10226922	-0.0728519249742812	503	-1.63335877843636	0.103023059451349	0.00530740297245829	0.243324739370021
PRAD	GATAD2E	cg10489353	0.154799792282849	503	3.503662215756	0.000500102618083444	0.0239629756908132	0.00374987788637913
PRAD	GATAD2E	cg15064304	-0.0438796103350867	503	-0.982123871486798	0.326513806641363	0.00192542020315905	0.525973020393395
PRAD	GATAD2E	cg20773694	-0.0526852028037775	503	-1.17971537254808	0.238674428337598	0.00277573059447517	0.430439504777799
PRAD	GATAD2E	cg23046518	0.040169304679282	503	0.898938502981379	0.369118115726975	0.00161357303841699	0.567819000906929
PRAD	GATAD2E	cg23323627	0.0953423336343975	503	2.14167570164484	0.0327021654822304	0.00909016058285277	0.105256612786764
PRAD	GATAD2E	cg26398333	0.0552882009425392	503	1.23817562344332	0.216231985465712	0.0030567851634626	0.403481592605589
PRAD	GLYR1	cg00636946	0.00141846877588069	503	0.0317179579774342	0.974709630516122	2.01205366814845e-06	0.986765720367498
PRAD	GLYR1	cg00885266	0.00478644813978255	503	0.107029460147391	0.914808538369242	2.29100857948278e-05	0.954980253482583
PRAD	GLYR1	cg01261535	0.100413596897044	503	2.25672225099508	0.0244563760915504	0.010082890441802	0.0847918407017592
PRAD	GLYR1	cg01565912	0.231044998387162	503	5.30999542080326	1.65224149415811e-07	0.0533817912797236	3.41625839995918e-06
PRAD	GLYR1	cg02454264	0.0619027065633089	503	1.38684630852317	0.166106587839733	0.00383194507986312	0.338407644216425
PRAD	GLYR1	cg06399529	0.137017124479258	503	3.09296680731161	0.00209244415280358	0.0187736924005645	0.0123308537552611
PRAD	GLYR1	cg06976003	-0.146229202180184	503	-3.30531405414652	0.00101682772078262	0.0213829795702531	0.00680808122132396
PRAD	GLYR1	cg11289281	0.0750713207337129	503	1.68339602561769	0.0929226503854802	0.005635703196704	0.225992580238473
PRAD	GLYR1	cg15663121	0.181322406120669	503	4.12283356154045	4.38142870475518e-05	0.0328778149613889	0.000473204032566603
PRAD	GLYR1	cg18354686	0.150338544542875	503	3.40031811434739	0.000726928043703693	0.02260167797527	0.00514611340721495
PRAD	GTF2B	cg02705666	-0.181622840640329	503	-4.12989754267862	4.25327466281247e-05	0.0329868562422623	0.000461606095310872
PRAD	GTF2B	cg04270788	-0.0545078804152013	503	-1.22064794715735	0.222794674845837	0.00297110902735788	0.411463783086604
PRAD	GTF2B	cg05306856	-0.0402581494016948	502	-0.900028579250269	0.368539176884064	0.00162071859324918	0.567377188785476
PRAD	GTF2B	cg06356032	-0.0459195635815571	503	-1.02787692241603	0.30450471051902	0.00210860631952066	0.503054711724262
PRAD	GTF2B	cg07167781	-0.0273044760959981	503	-0.610774365512327	0.541626502696747	0.000745534414876932	0.716506415029081
PRAD	GTF2B	cg10430205	-0.0264438827580016	503	-0.591510045784822	0.554446054650268	0.000699278935318936	0.726137649418569
PRAD	GTF2B	cg12074130	-0.123054009741869	503	-2.77264346609775	0.00576785205930403	0.015142289313552	0.0277904300199119

PRAD	GTF2B	cg13868361	-0.037304643595347	503	-0.834738217829684	0.404263769606175	0.00139163643377586	0.600693257579957
PRAD	GTF2B	cg14010405	-0.0127772427147668	502	-0.285445283476956	0.775421462280567	0.000163257931392061	0.875638895005954
PRAD	GTF2B	cg17811845	-0.0766295371539073	502	-1.7168222810805	0.0866321901515385	0.00587208596442206	0.215009239133794
PRAD	GTF2B	cg22607980	-0.024544773162464	503	-0.549003210113956	0.58324832642244	0.000602445889596815	0.748251460375456
PRAD	GTF2H1	cg05849260	-0.00010060678176701	503	-0.0022496360416703	0.998205948901196	1.01217245375152e-08	0.999027834668978
PRAD	GTF2H1	cg07583091	-0.0964058143633333	503	-2.1657875402692	0.0307994279516344	0.00929408104305748	0.100614876225252
PRAD	GTF2H1	cg08690812	-0.131249278373194	503	-2.96043261164271	0.00321797722705234	0.0172263730734842	0.0174473363188033
PRAD	GTF2H1	cg10797557	0.0259587923912198	503	0.580651915706352	0.561736682577654	0.000673858902410449	0.732062577217911
PRAD	GTF2H1	cg11063328	-0.0418395934935167	503	-0.936381703260323	0.34952873731889	0.00175055158370273	0.548574867038161
PRAD	GTF2H1	cg11176342	0.054626701750025	503	1.22331678415345	0.221786287070251	0.00298407654408619	0.410266015112251
PRAD	GTF2H1	cg11347316	0.0891308744964	503	2.00099104089914	0.0459334016344856	0.00794431278849302	0.135621035629011
PRAD	GTF2H1	cg11662851	0.0229770302135439	503	0.513917692555357	0.60753657675654	0.000527943917434109	0.765495937263788
PRAD	GTF2H1	cg13777411	0.0802844870369446	503	1.80102944560666	0.0723006514297438	0.00644559885878532	0.188738096186545
PRAD	GTF2H1	cg14132868	0.0164933257183536	503	0.368852147611926	0.712394066229512	0.000272029793251705	0.836376565576932
PRAD	GTF2H1	cg17174493	0.0440663884917264	503	0.986312501036273	0.324456823664634	0.00194184659470375	0.523863561914543
PRAD	GTF2H1	cg18321761	0.0521132404546234	503	1.16687305007425	0.243817851528319	0.00271578983068139	0.436512133614405
PRAD	H2AFZ	cg02758870	0.00876295508637224	503	0.195953156274367	0.844726442557194	7.67893818457771e-05	0.917034296351327
PRAD	H2AFZ	cg09308803	0.00787462513907465	503	0.176087430733868	0.86029654989312	6.20097210809464e-05	0.925756969795097
PRAD	H2AFZ	cg16267491	-0.0405626523635747	503	-0.90775565926227	0.364444672205852	0.00164532876676822	0.56339707700184
PRAD	H2AFZ	cg17709884	-0.00176900826476593	503	-0.0395562892213369	0.968462665336525	3.12939024081018e-06	0.983442997391816
PRAD	H2AFZ	cg20934652	-0.11626516571763	503	-2.61751960980439	0.00912550459565173	0.013517588759348	0.0397485724811943
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PRAD	H2AFZ	cg24061702	0.0494772485214245	503	1.10770156679464	0.268523300913123	0.0024479981212508	0.464314329211724
PRAD	H3F3A	cg06319713	-0.0884224460572763	503	-1.98496096563037	0.0476948221663166	0.00781852896675193	0.139412612640025
PRAD	H3F3A	cg10632229	-0.0196720123581975	503	-0.439964707655767	0.660152782915984	0.000386988070221076	0.802311668152814
PRAD	H3F3A	cg10983539	0.0155190006437778	503	0.347057198860596	0.728694373008273	0.000240839380981577	0.846589092679946
PRAD	H3F3A	cg11978873	-0.0615991706174317	503	-1.38002003088019	0.168197212437056	0.00379445782075547	0.341281532194271
PRAD	H3F3A	cg15538837	-0.0859427881072064	503	-1.92887586205964	0.0543119564333451	0.00738616282764017	0.153273755306379
PRAD	H3F3A	cg15624314	-0.0493601098825822	503	-1.10507264251861	0.269659584160706	0.00243642044762059	0.465699455893929
PRAD	H3F3A	cg16724613	-0.0516392023427487	503	-1.15623030254508	0.248139120049566	0.00266660721859534	0.44147070683175
PRAD	H3F3A	cg16727519	0.124376276468632	503	2.80290227756675	0.00526119065350396	0.0154694581482016	0.0258177673436376
PRAD	H3F3A	cg18947521	-0.0420589485038509	503	-0.941299606075944	0.347005892458562	0.00176895514924958	0.546291134228906
PRAD	H3F3A	cg19410789	-0.0481173263220772	503	-1.07718383766721	0.281917578687347	0.00231527709238526	0.479020970566213
PRAD	H3F3A	cg21266749	0.00379855022588534	503	0.0849387780026053	0.932344061459357	1.44289838185736e-05	0.964101933222479
PRAD	H3F3A	cg21789564	-0.107569021362689	503	-2.41935445671122	0.0159038877091473	0.0115710943569267	0.0610162765914785
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PRAD	H3F3A	cg27530209	-0.0627340309221172	503	-1.40554410367248	0.160480596882042	0.00393555863573716	0.330363258900279
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PRAD	HAT1	cg00414306	-0.133684677359922	503	-3.01635531238595	0.00268857667827365	0.0178715929608265	0.0150865521438722
PRAD	HAT1	cg01583365	-0.122422145185904	503	-2.75818915413668	0.00602511725306136	0.0149871816319185	0.0287680581590042
PRAD	HAT1	cg04507121	0.121096330769932	503	2.72787133374966	0.00659869538397144	0.0146643213259407	0.0309109466922619
PRAD	HAT1	cg04950839	-0.175547497629091	503	-3.98728000029108	7.68083709710189e-05	0.0308169239238356	0.000767235543312717
PRAD	HAT1	cg05421799	0.152501345766686	503	3.45039208693729	0.000607144049140099	0.0232566604606503	0.00441587174259581
PRAD	HAT1	cg09545452	-0.128748691405395	503	-2.90306977472122	0.003858502801095	0.0165762255386016	0.0201766731806402
PRAD	HAT1	cg10190161	0.0141851217909627	503	0.317220882767774	0.751208422450032	0.000201217680224444	0.860644870785511
PRAD	HAT1	cg12941622	-0.0554995911977545	503	-1.24292429332357	0.214478269769179	0.00308020462311787	0.401248647726799
PRAD	HAT1	cg13293756	-0.0464347642410942	503	-1.03943410565913	0.299105260875862	0.002156187330126	0.497394127200718
PRAD	HAT1	cg14446129	0.101919576782887	503	2.29092066410937	0.0223831891765328	0.0103876001316027	0.0792282199835834
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PRAD	HDAC1	cg03762702	-0.0402410793015068	503	-0.900547331653797	0.368262586660442	0.00161934446335016	0.567142759843125
PRAD	HDAC1	cg04967775	-0.0961095452603355	503	-2.15906961038276	0.0313197318334496	0.00923704469014849	0.101945071893363
PRAD	HDAC1	cg06473843	-0.107833940506902	503	-2.42538281403768	0.0156452936342609	0.0116281587252461	0.0603024422351578
PRAD	HDAC1	cg10842753	-0.0695444642566313	503	-1.55883566602321	0.119667979497078	0.00483643250874187	0.270222948448396
PRAD	HDAC1	cg14172124	-0.0101327076041296	503	-0.226585862273231	0.820838389638514	0.000102671763390785	0.903763327722183
PRAD	HDAC1	cg20002354	-0.171062234628652	503	-3.88229195826978	0.000117357517509915	0.029262288116148	0.00110542568315369
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PRAD	HDAC1	cg21930229	-0.0252624673237737	503	-0.565066281392875	0.572282121736808	0.000638192255284735	0.739893227275485

PRAD	HDAC1	cg23018091	0.0142203718957084	503	0.318009337628447	0.750610627189644	0.000202218976852252	0.860202652739612
PRAD	HDAC1	cg26115470	-0.104958473870666	503	-2.3599779130668	0.0186592259643935	0.0110162812372592	0.0690109263418287
PRAD	HDAC10	cg00711351	-0.0926327677901753	503	-2.08027613390907	0.0380088786091907	0.00858082966846853	0.117903419084872
PRAD	HDAC10	cg01120165	0.0408817937651902	503	0.914909572550849	0.360680108387239	0.00167132106145954	0.559619225590396
PRAD	HDAC10	cg04321608	-0.0583877587526125	503	-1.30782114585231	0.191534954624611	0.00340913037215327	0.371985976135085
PRAD	HDAC10	cg04586023	0.0246684176002014	503	0.551770496740871	0.581352118818064	0.000608530826897928	0.746821304242258
PRAD	HDAC10	cg07482373	0.0267111670103069	503	0.597493041560208	0.550448742507531	0.000713486443052507	0.723047553321703
PRAD	HDAC10	cg07744063	-0.118501916955503	503	-2.66858675091768	0.00786456212355277	0.014042704322129	0.035453192666145
PRAD	HDAC10	cg09151829	-0.0746366683792695	503	-1.67359464126356	0.0948357230617221	0.00557063226675704	0.229278169603683
PRAD	HDAC10	cg10508940	-0.0528915333245218	503	-1.18434841551607	0.236837853738405	0.002797514297419	0.428169552037495
PRAD	HDAC10	cg11645658	-0.0618307762846773	503	-1.38522861994895	0.166600242204641	0.00382304489596581	0.339084813508421
PRAD	HDAC10	cg12464820	0.0453901732403907	503	1.01600228680638	0.310119671467668	0.00206026782679268	0.508903868220055
PRAD	HDAC10	cg26943378	-0.162093370249349	503	-3.67309304030612	0.000265473817473174	0.0262742606787927	0.00220361397316561
PRAD	HDAC11	cg01409735	-0.0714961106895987	503	-1.60280340489876	0.109609565363989	0.00511169384373934	0.25431615997871
PRAD	HDAC11	cg01712016	-0.0152585426599603	503	-0.341231111811656	0.733072950906432	0.000232823124105829	0.849382244470429
PRAD	HDAC11	cg02762546	-0.153921218730808	503	-3.48329305670558	0.000538758703210579	0.0236917415755772	0.00399315878025569
PRAD	HDAC11	cg02941903	-0.0995813702288291	503	-2.23783044193992	0.0256717033904179	0.00991644929665113	0.0879139876756989
PRAD	HDAC11	cg05987698	-0.0414467935364824	503	-0.927575532061985	0.354075328965421	0.0017178366944558	0.553077849557978
PRAD	HDAC11	cg07450135	0.0346349051706184	503	0.774924953971912	0.438750317351917	0.00119957665617773	0.631456943889794
PRAD	HDAC11	cg08051076	-0.0517371134576096	503	-1.15842846487943	0.247242225904187	0.00267672890892556	0.440489218412695
PRAD	HDAC11	cg08448040	-0.231999896047358	503	-5.33318706933584	1.46443696809785e-07	0.0538239517659851	3.06166109906487e-06
PRAD	HDAC11	cg10455785	-0.0698762975066653	503	-1.56631010036389	0.117908674464135	0.00488269695324	0.267523767645547
PRAD	HDAC11	cg11432034	-0.0711534778362706	503	-1.59508306357351	0.111325517826738	0.00506281740819666	0.257086037160129
PRAD	HDAC11	cg13397067	-0.101191103626066	503	-2.27437622271495	0.0233661969040455	0.0102396394530612	0.0818843155976989
PRAD	HDAC11	cg13706066	-0.039662463175225	503	-0.887578042308026	0.375194513756655	0.00157311098512608	0.573875503886774
PRAD	HDAC11	cg16254764	-0.109537462172298	503	-2.46415978239285	0.0140688562948047	0.0119984556191476	0.0555569851064995
PRAD	HDAC11	cg18521047	-0.0189339512258021	503	-0.423451929635279	0.672147650978037	0.000358494509021051	0.810193129118602
PRAD	HDAC11	cg19779799	-0.0941144894561841	503	-2.11384652074003	0.0350229442082869	0.00885753712559818	0.110903851578926
PRAD	HDAC11	cg20894727	-0.0565668188167895	503	-1.26690106360095	0.20578046969484	0.00319980499105149	0.390092785921963
PRAD	HDAC11	cg20922324	-0.0968352899214516	503	-2.17552697126935	0.0300583350190708	0.00937707337417158	0.0988400135743866
PRAD	HDAC11	cg21655280	-0.0260360615535988	503	-0.582381459818418	0.560572284019614	0.000677876501222783	0.731231098679062
PRAD	HDAC11	cg25127083	-0.0704982129633753	503	-1.58031994987818	0.114665976943658	0.00496999803102942	0.262396753967199
PRAD	HDAC11	cg25150878	-0.0934669174779649	503	-2.09917318136432	0.0363024181346799	0.00873606466283271	0.113976524189575
PRAD	HDAC11	cg27025856	-0.17714957755334	503	-4.02484212162099	6.58475927680976e-05	0.0313819728273267	0.000674551966263021
PRAD	HDAC2	cg00161229	-0.23305401898046	503	-5.35880753452774	1.28102897131224e-07	0.0543141757629448	2.71987903368625e-06
PRAD	HDAC2	cg01129566	0.0387950791730716	503	0.868137887242244	0.385735331801766	0.00150505816804489	0.583788459635551
PRAD	HDAC2	cg08198132	-0.26623685673786	503	-6.17614889461942	1.36143674513131e-09	0.0708820638856558	4.39832268067879e-08
PRAD	HDAC2	cg10999867	0.0485153440995523	503	1.08611504207307	0.277951442080826	0.00235373861309797	0.474791499829514
PRAD	HDAC2	cg13393754	-0.263710232216696	503	-6.11313307316472	1.96918028679392e-09	0.0695430865757839	6.15717086940699e-08
PRAD	HDAC2	cg15005908	-0.245367999721669	503	-5.65960947255015	2.55893265624063e-08	0.0602054552874132	6.41745993099883e-07
PRAD	HDAC2	cg15242771	-0.27721064647483	503	-6.45145644101439	2.61915313923073e-10	0.0768457425189933	9.63377774531042e-09
PRAD	HDAC2	cg18387216	-0.0670678684806464	503	-1.50306741328785	0.133452978417106	0.00449809898253729	0.291403738821128
PRAD	HDAC2	cg18674783	0.177334545142654	503	4.02918096389558	6.46817674544894e-05	0.031447540900952	0.000664446509620302
PRAD	HDAC2	cg22867643	-0.430220849439253	503	-10.6566726764835	4.92302233224711e-24	0.185089979292232	9.0560069978687e-22
PRAD	HDAC2	cg24023618	0.158978322549351	503	3.60065624258122	0.000349087590351825	0.0252741070406054	0.00277337826836498
PRAD	HDAC3	cg01947930	-0.0568070455336118	503	-1.2722986926551	0.203858377533885	0.00322704042225784	0.387780995425638
PRAD	HDAC3	cg01961137	-0.0848367106994356	503	-1.90387022502486	0.0575008943058679	0.00719726748229973	0.159621202242031
PRAD	HDAC3	cg04284814	-0.123212774883376	503	-2.77627585927512	0.00570478281955253	0.0151813878944614	0.027558238615516
PRAD	HDAC3	cg08520975	-0.0881245611751227	503	-1.97822143700049	0.0484522025153797	0.00776593828230794	0.140939674038343
PRAD	HDAC3	cg10414058	0.114665893552624	503	2.58103151760924	0.0101343430318619	0.0131482671442216	0.0430861887539986
PRAD	HDAC3	cg11064797	-0.0698058398857536	503	-1.56472302212025	0.118280522940771	0.00487285528215546	0.268086985238586
PRAD	HDAC3	cg11153694	0.0842467034258331	503	1.89053454532554	0.0592644689779364	0.00709750703812028	0.163187610260905
PRAD	HDAC3	cg12082871	0.164323661981455	503	3.72502500519528	0.000217546870335098	0.0270022658869956	0.001861985593396799
PRAD	HDAC3	cg14098966	-0.0729943526098111	503	-1.63656913106285	0.102349762854325	0.00532817551292544	0.242225592512835
PRAD	HDAC3	cg17940889	0.159740674594633	503	3.61837355961585	0.000326612171326539	0.0255170831199484	0.00262402842674551
PRAD	HDAC3	cg18671773	-0.065746186176579	503	-1.47331711555924	0.141294790432863	0.00432256099676539	0.303308138160434
PRAD	HDAC3	cg19549288	0.11596284032081	503	2.61062035120903	0.00930906761716522	0.0134473803352697	0.040329097633778

PRAD	HDAC3	cg20642138	-0.0713366456903766	503	-1.59921020459099	0.11040557701619	0.00508891701835433	0.255675035227502
PRAD	HDAC3	cg23421926	-0.0997162344394481	503	-2.2408915791019	0.0254712897024786	0.00994332741078297	0.0874145716920161
PRAD	HDAC3	cg24385322	0.102801699765608	503	2.31095965305149	0.0212409999449984	0.0105681894746983	0.0762433603894802
PRAD	HDAC6	cg07153944	0.098642747268995	503	2.21652909300452	0.0271045654692244	0.00973039158877481	0.0915179065153145
PRAD	HDAC6	cg07674520	0.0245455515243857	492	0.54294781739603	0.587413116199405	0.000602484099636273	0.751302380008163
PRAD	HDAC6	cg10783042	0.0855366301050023	503	1.91969281823343	0.0554654260096115	0.00731651508971998	0.155535914894085
PRAD	HDAC6	cg12510923	0.0843905457488055	495	1.8861952126394	0.0598526169648775	0.00712176421178124	0.164354905900659
PRAD	HDAC6	cg13178935	-0.0749003482393986	503	-1.67954049137997	0.0936714485101796	0.00561006216638317	0.227294967729286
PRAD	HDAC6	cg17152375	0.0108994189674843	503	0.243732895104503	0.807537665666488	0.000118797333828757	0.89582593242059
PRAD	HDAC6	cg24616736	0.0197463136181984	503	0.441627102883499	0.658949995008123	0.000389916901508249	0.801574154126517
PRAD	HDAC6	cg26680189	-0.0727033184344876	503	-1.63000925893864	0.103729303985012	0.0052857725113865	0.244508604496866
PRAD	HDAC9	cg00332048	-0.709397105005921	503	-22.5062409308109	5.44783320365684e-78	0.503244252590782	8.47617472490561e-75
PRAD	HDAC9	cg02301805	-0.13192851330573	503	-2.97602397078179	0.00306153358456484	0.0174051326230602	0.0167265217836672
PRAD	HDAC9	cg03260621	0.194508028473278	503	4.43401736357752	1.1379650794492e-05	0.0378333731405614	0.000146640476048817
PRAD	HDAC9	cg07513622	-0.167747650798453	503	-3.80486658406396	0.000159453443176726	0.0281392743483999	0.0014340486888428
PRAD	HDAC9	cg08146609	-0.572819211381247	503	-15.626341744596	4.12188710685604e-45	0.328121848927434	1.95523222921195e-42
PRAD	HDAC9	cg08285151	-0.694849400561854	503	-21.6049377140628	1.32056797964625e-73	0.482815689461168	1.74122483743391e-70
PRAD	HDAC9	cg08725366	0.199088149268232	503	4.54268367545121	6.97035775881871e-06	0.0396360911790497	9.51152449551907e-05
PRAD	HDAC9	cg10068437	0.206052160938531	503	4.70850617775394	3.23650799938936e-06	0.0424574930274385	4.8382187414392e-05
PRAD	HDAC9	cg11321459	-0.575869693657381	503	-15.7506840838135	1.1094035968568e-45	0.331625904073046	5.36055549154519e-43
PRAD	HDAC9	cg11765288	-0.535004954249334	503	-14.1600162654918	1.62658064995139e-38	0.286230301071332	6.3587042754934e-36
PRAD	HDAC9	cg12081743	-0.520660243954138	503	-13.636458605043	3.17905557786799e-36	0.271087089634382	1.12414295283937e-33
PRAD	HDAC9	cg16475478	0.261608350638416	503	6.06081376255575	2.66900159800059e-09	0.0684389291237524	8.14883478472755e-08
PRAD	HDAC9	cg18856632	-0.0136502871416111	503	-0.305258140361639	0.760296588111664	0.000186330339048434	0.866640031716799
PRAD	HDAC9	cg19585556	-0.55342726527982	503	-14.8577822723218	1.26771388986723e-41	0.3062817379551	5.41871067847972e-39
PRAD	HDAC9	cg20648975	-0.104115904823856	503	-2.34082438870301	0.0196332927333271	0.0108401216372902	0.0717873349475363
PRAD	HDAC9	cg21433125	-0.511119679085288	503	-13.2970988114369	9.26097107480668e-35	0.261243326348248	3.13238253823266e-32
PRAD	HDAC9	cg23074799	-0.187746301912457	503	-4.27413958645191	2.29834504052567e-05	0.0352486738818035	0.000270495391955604
PRAD	HDAC9	cg23385718	0.21315340765356	503	4.87836607440815	1.44014678952084e-06	0.0454343751943249	2.35763424545421e-05
PRAD	HDAC9	cg24350771	0.275995107593767	503	6.42082939676551	3.15528431417924e-10	0.0761732994156952	1.14168459505702e-08
PRAD	HDAC9	cg25620356	-0.569406560573586	503	-15.4883813332304	1.76095642764445e-44	0.324223831224241	8.2031044510283e-42
PRAD	HDGF	cg00692559	-0.0262807621355626	503	-0.587858752110432	0.55689250661993	0.000690678458426018	0.728250527996619
PRAD	HDGF	cg00746981	-0.0934316775498466	503	-2.09837475679428	0.0363731702436092	0.00872947836977851	0.114157195543282
PRAD	HDGF	cg01910231	-0.0720899761834456	503	-1.61618597368231	0.106684850815944	0.00519696466612976	0.249397237946258
PRAD	HDGF	cg02914429	-0.0884188128665616	503	-1.98487876288572	0.0477039995332875	0.00781788646873203	0.139420126970192
PRAD	HDGF	cg04402095	-0.108563355671187	503	-2.44198369775167	0.0149522569667293	0.0117860021945886	0.0582355000735825
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PRAD	HDGF	cg05967123	-0.171154687908554	503	-3.88445350728429	0.000116348862112249	0.0292939271930746	0.00109712040959519
PRAD	HDGF	cg06106793	-0.0732007476283966	503	-1.6412215023385	0.101380273845149	0.00535834945335621	0.240619245919686
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PRAD	HDGF	cg07892339	-0.179235801070599	503	-4.07380496575312	5.37755280525738e-05	0.0321254723854192	0.000564791876511668
PRAD	HDGF	cg08597205	-0.0761028457079154	503	-1.70666072440644	0.0885060331983754	0.00579164312484278	0.218316963773042
PRAD	HDGF	cg08708935	-0.0950919904997684	503	-2.13600085931691	0.0331643865386662	0.00904248665720804	0.106382578195159
PRAD	HDGF	cg09063372	-0.0583524029175982	503	-1.30702650773112	0.191804481508574	0.00340500292625773	0.372286373115718
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PRAD	HDGF	cg11588596	-0.0563203740297332	503	-1.26136395087741	0.207765920074468	0.00317198453084904	0.392819277360452
PRAD	HDGF	cg12220178	-0.13270734973314	503	-2.99390686401401	0.00289068137235221	0.017611240673194	0.015979369479199
PRAD	HDGF	cg12421458	-0.0763653590197627	503	-1.71258224610278	0.087409402342171	0.00583166805821725	0.216310187231418
PRAD	HDGF	cg13170934	-0.0885849699648688	503	-1.98863823149807	0.0472858009632617	0.00784729690367671	0.138545697166358
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PRAD	HDGF	cg14155849	0.0203694238256965	503	0.45556868395504	0.648897940874025	0.000414913426990854	0.794607905949719
PRAD	HDGF	cg15503799	-0.112635081129964	503	-2.53472691380132	0.011557362728723	0.0126866615011537	0.0477385096325209
PRAD	HDGF	cg17170583	-0.0521261349921917	503	-1.16716255956039	0.243701047553353	0.00271713394922419	0.436419034860284
PRAD	HDGF	cg17218029	-0.0588200261134443	503	-1.3175369472747	0.188262098768673	0.00345979547198627	0.367759955189173
PRAD	HDGF	cg17971171	-0.0752938763408705	503	-1.6884150142945	0.0919551213879236	0.00566916781443429	0.22427555903683
PRAD	HDGF	cg18593717	-0.10854865863028	503	-2.44164916599471	0.0149659503807755	0.0117828112904331	0.0582771620743845

PRAD	HDGF	cg19599803	0.119637485709273	503	2.69452857351685	0.00728597848084696	0.0143131279868366	0.0334260429285256
PRAD	HDGF	cg20284773	-0.154161628378817	503	-3.48886595548534	0.000527913964456646	0.0237658076644084	0.00392474569485286
PRAD	HDGF	cg23747104	-0.166071964628923	503	-3.76577494330971	0.000185776910156368	0.0275798974357103	0.00163100428266612
PRAD	HDGF	cg26431298	-0.148625699910375	503	-3.3606971854854	0.000836939187772399	0.022089598673849	0.00578385423945688
PRAD	HDGFL1	cg02685945	0.0454762171133934	503	1.01793225891513	0.309202440618622	0.00206808632294449	0.507834621151988
PRAD	HDGFL1	cg03930485	0.0276594120197843	503	0.618719973938025	0.536382616038313	0.000765043073280187	0.712532858032249
PRAD	HDGFL1	cg05276066	-0.0275502605059041	503	-0.616276479404539	0.537992524249009	0.000759016853943179	0.713770656372567
PRAD	HDGFL1	cg06566039	-0.00839165112938398	503	-0.187649630929531	0.851227442768388	7.04198086772915e-05	0.920644262005244
PRAD	HDGFL1	cg08671671	0.0211190060593542	503	0.472340678311023	0.636889726796682	0.000446012416935039	0.786316921438351
PRAD	HDGFL1	cg09081892	0.0952486743195083	503	2.13955256034225	0.0328744453424778	0.00907230995962375	0.105648556242935
PRAD	HDGFL1	cg11894257	-0.0647651144739205	503	-1.45123880883292	0.147340475315037	0.00419452005282003	0.312053660462401
PRAD	HDGFL1	cg15317945	-0.0781681067708432	503	-1.75325663221061	0.0801707369209933	0.00611025291613795	0.203385041840266
PRAD	HDGFL1	cg20209681	-0.0838739213299848	503	-1.88210974586478	0.0604016417611306	0.00703483467926848	0.165442057572192
PRAD	HDGFL1	cg21898884	-0.0883450074612443	503	-1.98320889620979	0.047890751133679	0.0078048403433273	0.139818850622736
PRAD	HIST1H1	cg00667898	-0.0875056294549286	503	-1.96422005767909	0.0500580827800852	0.00765723518630327	0.144395266487559
PRAD	HIST1H1	cg00700007	-0.054439902850507	503	-1.21912113162481	0.223373041601396	0.00296370302237264	0.412179662666073
PRAD	HIST1H1	cg03821311	-0.110837323178293	503	-2.4937630565748	0.0129617227498303	0.0122849122093293	0.0522214645812988
PRAD	HIST1H1	cg04676561	-0.124956691718095	503	-2.81618930618871	0.00505173207807061	0.015614174805131	0.0249885194430867
PRAD	HIST1H1	cg07138603	-0.0415589102731874	503	-0.930089029915494	0.35277381393087	0.00172714302309484	0.55178715781201
PRAD	HIST1H1	cg11206041	-0.0426742137954529	503	-0.955094481420169	0.339991447082904	0.00182108852306003	0.539242280869486
PRAD	HIST1H1	cg14334286	-0.0355035933377255	503	-0.79438530273691	0.427348031354695	0.00126050513989058	0.621684793531928
PRAD	HIST1H1	cg18798248	-0.0638130225359535	503	-1.4298167117408	0.153394167595871	0.00407210184517411	0.320587889851719
PRAD	HIST1H1	cg23460835	-0.0344273138812084	503	-0.770274756754555	0.441500711160338	0.00118523994107525	0.634054649781376
PRAD	HIST1H1	cg00903962	-0.0835212256501351	503	-1.87413962801933	0.061494083629483	0.00697579513410078	0.167637479127869
PRAD	HIST1H1	cg04290376	0.0315455932782777	503	0.705732142666817	0.480683398692555	0.000995124455278518	0.667925387331036
PRAD	HIST1H1	cg07750111	-0.12751224943406	503	-2.87472698543089	0.00421608851933107	0.0162593737557339	0.0216564140160344
PRAD	HIST1H1	cg08283682	-0.0862513107774465	503	-1.9358520636053	0.0534491627578638	0.00743928861082765	0.151481808721092
PRAD	HIST1H1	cg10717387	0.067712092942256	503	1.51757140150876	0.129754472075823	0.00458492753062072	0.285701491626803
PRAD	HIST1H1	cg12633985	-0.028755024543197	503	-0.643247885946856	0.520358157671677	0.000826851436479862	0.700694201947504
PRAD	HIST1H1	cg15022984	-0.0114910009894807	503	-0.256963559112977	0.797312610025581	0.000132043103740246	0.889144436850252
PRAD	HIST1H1	cg16481032	-0.018310586216097	503	-0.409505809681612	0.6823438761148	0.000335277567577122	0.816896383672278
PRAD	HIST1H1	cg16482183	-0.0446017201285968	503	-0.99831825950526	0.31860794167781	0.00198931343842967	0.51792431910071
PRAD	HIST1H1	cg17691542	-0.0115467176187869	503	-0.258209668819748	0.796351344422706	0.000133326687768004	0.888484467824802
PRAD	HIST1H1	cg20855557	-0.0349300323835158	503	-0.781536193130668	0.434857101153294	0.00122010716231346	0.628228964786035
PRAD	HIST1H1	cg23407813	0.0166784179594607	503	0.372992644365393	0.70931198840775	0.00027816962563046	0.834379639920664
PRAD	HIST1H3	cg00958605	0.00216176099644292	503	0.0483385583398041	0.961465727283817	4.67321060574187e-06	0.979823418084945
PRAD	HIST1H3	cg01043409	-0.0318739586766381	503	-0.71308570461871	0.476125392084044	0.00101594924172003	0.663931806583721
PRAD	HIST1H3	cg08041469	-0.0253352792997964	503	-0.566695971005889	0.571175049890608	0.000641876377198693	0.739100647568822
PRAD	HIST1H3	cg08401836	-0.0167799766025822	503	-0.375264518329377	0.707622886060597	0.000281567614783206	0.833378469429992
PRAD	HIST1H3	cg10075390	-0.119932367553335	503	-2.70126683582347	0.00714210123040754	0.0143837727869482	0.0329232414741837
PRAD	HIST1H3	cg15479139	-0.0219452864996769	503	-0.490829728942113	0.623762226756025	0.000481595599552899	0.777142067228808
PRAD	HIST1H3	cg15797414	-0.0144957051647945	503	-0.324167881055948	0.745946499619434	0.00021012546822465	0.85731744001272
PRAD	HIST1H3	cg21209604	0.0429107735753999	503	0.960398681830567	0.337318792824821	0.00184133448883924	0.536893086976365
PRAD	HIST1H3	cg23099349	-0.0300011448541954	503	-0.671148100659449	0.502436112070509	0.000900068692562413	0.686041911995282
PRAD	HIST1H3	cg25701114	0.055398999434275	503	1.24066457946741	0.215311510313936	0.0030690491383188	0.402352717592178
PRAD	HLTF	cg00906762	-0.142273217985225	503	-3.21402073463773	0.00139343256960207	0.0202416685558713	0.00885124834426775
PRAD	HLTF	cg02059813	-0.0490607393279421	503	-1.09835412310337	0.272578504508904	0.00240695614340429	0.468960173823245
PRAD	HLTF	cg02398045	-0.0315946891272322	503	-0.706831602518544	0.480000400901976	0.000998224381046445	0.667270977783963
PRAD	HLTF	cg02611507	-0.346958305658353	503	-8.27208063172824	1.20121005315185e-15	0.120380065865315	1.01023713378265e-13
PRAD	HLTF	cg02710346	-0.0177844617886349	503	-0.397735559310252	0.690994873000694	0.000316287081111415	0.822433490654255
PRAD	HLTF	cg03678609	-0.19992810624268	503	-4.56264557695008	6.36325139767952e-06	0.0399712476657844	8.79787052272411e-05
PRAD	HLTF	cg04120413	-0.341258406368114	503	-8.11810359405335	3.71284666559936e-15	0.116457299916904	2.92482260849857e-13
PRAD	HLTF	cg04731810	-0.347005745803409	503	-8.27336651221784	1.18986510555101e-15	0.12041298762058	1.00177885304367e-13
PRAD	HLTF	cg04836786	-0.0755899018441435	503	-1.69509126125298	0.0906807157223907	0.00571383326080725	0.221962607731032
PRAD	HLTF	cg05555455	-0.2427830614963	503	-5.59623009771792	3.61469588904913e-08	0.0589436149495163	8.7411144542334e-07
PRAD	HLTF	cg07275648	0.00419504691880282	503	0.0938049262052544	0.92530169523655	1.7598418650957e-05	0.960643250937278
PRAD	HLTF	cg09352720	-0.0159370254116944	503	-0.356407986485918	0.721685393789298	0.000253988778972993	0.842318387247239

PRAD	HLTF	cg09392355	-0.0667229714137643	503	-1.49530322154716	0.135466190558154	0.004451954914282	0.294385028027517
PRAD	HLTF	cg15438497	-0.0956776081968802	503	-2.1492764339224	0.032091755489193	0.00915420471027571	0.103789225348228
PRAD	HLTF	cg16724124	0.164771254239075	503	3.73545416004308	0.000208961097655437	0.027149566223518	0.00180081085975485
PRAD	HLTF	cg20117402	-0.0603224282032382	503	-1.35131131360041	0.177206817184677	0.00363879534433483	0.353441368476688
PRAD	HLTF	cg21089667	-0.0603048163341896	503	-1.35091534154157	0.177333557306147	0.00363667087310034	0.353606850274497
PRAD	HLTF	cg21111416	-0.301883041667227	503	-7.08065836246092	4.88878288804417e-12	0.0911333708462567	2.46160502260523e-10
PRAD	HLTF	cg21835021	-0.171973214738131	503	-3.90359520623123	0.000107767615853696	0.0295747865873673	0.00102703343228254
PRAD	HLTF	cg21926402	-0.0497697687271493	503	-1.11426675266102	0.265700090425607	0.00247702987915393	0.461484099901087
PRAD	HLTF	cg24041269	-0.0461943865894644	503	-1.03404175702978	0.301616509599906	0.00213392135237689	0.500021109032537
PRAD	HLTF	cg24710191	0.173042964930082	503	3.92469387736385	9.90296933816272e-05	0.0299438677117938	0.000955820839569517
PRAD	HLTF	cg25951608	0.0254982821208534	503	0.570344359689449	0.568700359241576	0.000650162391114631	0.737099944133539
PRAD	HLTF	cg26151310	-0.135427602602476	503	-3.05641122288435	0.00235982214760414	0.0183406355466541	0.0135901472210965
PRAD	HLTF	cg27554556	-0.216977973372283	503	-4.97018211461946	9.20384378079265e-07	0.0470794409287431	1.59218106089167e-05
PRAD	IDH1	cg00707300	0.0409155424233146	503	0.915666112892853	0.360283439435875	0.00167408161179406	0.559193365936605
PRAD	IDH1	cg01046174	0.121742904532067	503	2.74265488010855	0.00631312469012333	0.014821334803904	0.0298645924076287
PRAD	IDH1	cg02241586	0.016306970667505	503	0.364683440236725	0.715501910311021	0.000265917292350867	0.83825011882161
PRAD	IDH1	cg03448938	-0.0522445793546703	503	-1.16982191199382	0.24262996350207	0.00272949607194645	0.435061781276479
PRAD	IDH1	cg05268564	0.0179770759719477	503	0.402044609784936	0.687822999488753	0.000323175260501179	0.82047337972192
PRAD	IDH1	cg07129696	0.0706620179753336	503	1.58401028231644	0.113823636888197	0.00499312078434637	0.261080198374821
PRAD	IDH1	cg07915542	-0.0847032871718002	503	-1.90085433464399	0.057895852544461	0.00717464685770846	0.160357103031431
PRAD	IDH1	cg09406631	0.0802292078218574	503	1.79978132520104	0.0724978819062404	0.00643672578772279	0.189118778922073
PRAD	IDH1	cg09615745	-0.113304724035391	503	-2.54999187259816	0.011069726936357	0.0128379604887361	0.0461623338132918
PRAD	IDH1	cg10356455	0.0987839227011248	503	2.21973258112253	0.0268847513078699	0.0097582633842218	0.0909691767754525
PRAD	IDH1	cg14772913	0.0246025730962934	503	0.550296827505154	0.582361550457548	0.000605286602958458	0.747569955715891
PRAD	IDH1	cg15399923	-0.0692290438477142	503	-1.55173140756796	0.121359208787006	0.00479266051206873	0.272782961235953
PRAD	IDH1	cg16085695	-0.039979768904516	503	-0.894690124162911	0.371383235088912	0.00159838192165851	0.570018494436359
PRAD	IDH1	cg16863783	0.0473579894231561	503	1.06014634066308	0.289589866875023	0.00224277916220376	0.487089016533168
PRAD	IDH1	cg24324379	-0.0337640767152277	503	-0.755418423483099	0.450353665431362	0.00114001287643178	0.641186135052775
PRAD	IDH1	cg24830471	0.0597346947971409	503	1.33809783819758	0.181472756832328	0.00356823376250757	0.358785494688781
PRAD	IDH1	cg24987806	0.065294833978123	503	1.46315923284199	0.144052134174411	0.00426341534423065	0.307251712937354
PRAD	IDH1	cg25795625	0.0446199689772813	503	0.998727537331458	0.318409780802412	0.00199094163153355	0.517753657617634
PRAD	IDH1	cg26105702	-0.00859889438200706	503	-0.192284232669245	0.847597637863183	7.39409845929126e-05	0.918702167109197
PRAD	ING2	cg02075087	0.00606952621792772	503	0.135721232095373	0.892096285143261	3.68391485101119e-05	0.942829013359791
PRAD	ING2	cg02552216	-0.0555675776009707	503	-1.24445157522378	0.213916426370951	0.00308775568043989	0.40048647445676
PRAD	ING2	cg10348863	-0.109966394003305	503	-2.47392693254589	0.0136946550622335	0.0120926078100902	0.0544496573602878
PRAD	ING2	cg17985608	-0.0800686256573594	503	-1.79615571948171	0.073073314189603	0.00641098481465835	0.190280899833178
PRAD	ING3	cg01382559	-0.118380563878855	503	-2.66581509612684	0.00792875761003537	0.0140139579042757	0.0356846843803929
PRAD	ING3	cg01416111	-0.0936204630925485	503	-2.10265212904432	0.0359955039914475	0.00876479110966323	0.113254376800753
PRAD	ING3	cg10268125	-0.0194636576031236	503	-0.435303076519929	0.663530291961143	0.00037883396729163	0.804455249397269
PRAD	ING3	cg14303833	-0.132946088059341	503	-2.99938967270412	0.00284007469802425	0.017674662330282	0.0157499836796478
PRAD	ING3	cg16130600	-0.0475221162204496	503	-1.06382875165812	0.287919779189265	0.00225835153006992	0.48543445747274
PRAD	ING3	cg18485114	-0.0122884259512734	503	-0.274798306434314	0.783584707521317	0.000151005412359931	0.880580552357001
PRAD	ING3	cg19478983	-0.0105739422587978	503	-0.236453755918713	0.81317742161437	0.00011180825489239	0.899407754722299
PRAD	ING3	cg19960827	-0.0447399620328878	503	-1.00141871820862	0.31710880326131	0.00200166420270424	0.516368293920574
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PRAD	ING3	cg24859794	-0.0408390070546545	503	-0.913950431587779	0.361183399778073	0.00166782449721012	0.560036128559621
PRAD	ING4	cg00369908	-0.19488020632278	503	-4.44283615636964	1.09399430667669e-05	0.0379782948164092	0.000141725550530569
PRAD	ING4	cg00443163	-0.0781762314536297	503	-1.75343998373139	0.0801392478654523	0.00611152316429149	0.203318417912305
PRAD	ING4	cg00591160	-0.0293042104743103	503	-0.655543596617563	0.512419331633389	0.000858736751522676	0.694298519290914
PRAD	ING4	cg03930474	-0.159836928011873	503	-3.62061099290193	0.000323872478371395	0.0255478435562727	0.00260551557212247
PRAD	ING4	cg04375284	-0.0437865438993375	503	-0.980036830738929	0.327541891283655	0.00191726142664861	0.527034269368233
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PRAD	ING4	cg23354319	-0.109128155745244	503	-2.45484081896233	0.0144342953042721	0.0119089543763582	0.0566978828023502
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PRAD	INO80	cg00734724	0.102905809346634	503	2.31332504953336	0.0211095954058902	0.0105896055972858	0.0759117951743089

PRAD	INO80	cg06380007	0.0898796148361534	503	2.01793660792906	0.0441314583996905	0.00807834516309528	0.131690167807653
PRAD	INO80	cg12580230	-0.0549200355906625	503	-1.22990555673441	0.219310851288787	0.00301621030927963	0.407243719032795
PRAD	INO80	cg18952654	0.100238476388341	503	2.25274656385148	0.0247078975021204	0.0100477521486559	0.0854544159640758
PRAD	INO80	cg21007089	0.0935892873429492	503	2.10194575471332	0.0360576404488526	0.00875895470536111	0.113404814274431
PRAD	INO80	cg21598047	-0.026983941700063	503	-0.603599069672544	0.546383957505916	0.000728133109672399	0.720003279244774
PRAD	INO80	cg22835709	-0.149059884167062	503	-3.37073764312738	0.000807682466391076	0.022218849067898	0.00561458759632092
PRAD	INO80	cg26409855	0.0989975367528081	503	2.22458007055972	0.026555066300151	0.0098005122831236	0.0901398388931821
PRAD	INO80	cg27441689	-0.0894938217466772	503	-2.00920487086262	0.0450523491237973	0.00800914413082603	0.133694543114121
PRAD	INTS12	cg00093890	0.0189195598236586	503	0.423129955108347	0.672382379676271	0.000357949743920996	0.810388170367425
PRAD	INTS12	cg01852585	-0.0760821087304101	503	-1.70619297492919	0.0885931295451726	0.00578848726886595	0.218457785012241
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PRAD	INTS12	cg19703969	-0.00263100381313997	503	-0.0588312373730123	0.953110032589892	6.92218106475706e-06	0.975242720912199
PRAD	INTS12	cg26533745	-0.104579010942938	503	-2.35135121813316	0.019092567638508	0.0109367695298031	0.0701964746382196
PRAD	IWS1	cg02372421	-0.138089915899981	503	-3.11765244637885	0.00192796611597781	0.0190688248732638	0.0115390210821956
PRAD	IWS1	cg02592214	-0.207810149717339	503	-4.75048316199772	2.65548441417466e-06	0.0431850583255428	4.06255171123507e-05
PRAD	IWS1	cg10180764	-0.198047117491793	503	-4.51795761499118	7.79962624865743e-06	0.0392226607468082	0.000105194889803754
PRAD	IWS1	cg10488833	-0.1478809900897	503	-3.34348048661154	0.000889412402114314	0.0218687872299098	0.00609128870587913
PRAD	IWS1	cg15239145	-0.220305997832208	503	-5.05027298070015	6.19276693227829e-07	0.0485347326808447	1.11803228296509e-05
PRAD	IWS1	cg17144508	-0.0393419092187743	503	-0.88039342785285	0.379069177301283	0.00154778582097828	0.577632758343963
PRAD	IWS1	cg18451256	0.00899873756997586	503	0.201226036714761	0.840603666458373	8.09772778532951e-05	0.91461309428751
PRAD	IWS1	cg18530950	-0.059961203845429	503	-1.34319006886502	0.179819777006947	0.00359534596659309	0.35684734521242
PRAD	IWS1	cg19311602	-0.0145232338128645	503	-0.324783634776959	0.745480672897775	0.000210924320383131	0.857036168756421
PRAD	IWS1	cg19409088	-0.0335500259731966	503	-0.750623958931578	0.453232091781841	0.00112560424280216	0.643654271674848
PRAD	IWS1	cg21581038	-0.00606770263393895	503	-0.135680453265069	0.892128507036156	3.68170152539096e-05	0.942849992207077
PRAD	IWS1	cg21679674	-0.0996768228091388	503	-2.23999700414876	0.025529716933001	0.00993546900532446	0.0875378525690178
PRAD	IWS1	cg22409775	-0.140373263770607	503	-3.1702311522166	0.00161658791414545	0.0197046531816125	0.0100004954004429
PRAD	IWS1	cg23570261	0.025891211287108	503	0.57913923150832	0.562756042786473	0.000670354821913666	0.732878957223432
PRAD	IWS1	cg23623107	-0.0651375689297424	503	-1.45962012491789	0.14502247973514	0.00424290288607694	0.308686625492927
PRAD	JADE1	cg09863040	-0.0858234769759327	502	-1.92617819249732	0.0546487058639038	0.00736566920023845	0.153961591423479
PRAD	JADE1	cg12832492	-0.0195099020805656	502	-0.436337723752711	0.662780059699156	0.000380636279193259	0.80389647267199
PRAD	JADE1	cg14617908	0.166671917622619	502	3.77976721304527	0.000175916240900448	0.0277795281240011	0.00155903714338226
PRAD	JADE1	cg15389440	0.121006011503453	502	2.72580651534931	0.00663949507704055	0.0146424548199737	0.0310665752449953
PRAD	JADE1	cg15836763	-0.142271383585392	502	-3.21397843853202	0.00139363364228114	0.0202411465873018	0.00885175829258808
PRAD	JADE1	cg20039387	0.0985652486169971	502	2.21477058662969	0.0272258893065364	0.00971510823493044	0.0918239327457164
PRAD	JADE1	cg22922695	0.0295520830314886	502	0.661093403305949	0.508856911752228	0.000873325611499997	0.691352007538544
PRAD	JADE1	cg26766900	-0.113274116909026	502	-2.54929408603775	0.0110916112831747	0.0128310255615197	0.046229520507114
PRAD	JADE2	cg04590931	-0.00377929138663779	502	-0.0845081279917997	0.932686265844636	1.42830433851146e-05	0.964292913705755
PRAD	JADE2	cg04842522	-0.00761823828826428	502	-0.170353930348003	0.864800709343224	5.80375546167758e-05	0.928230723566417
PRAD	JADE2	cg17378563	-0.0530384286643265	502	-1.18764696552004	0.235536403340237	0.00281307491518085	0.426788693113698
PRAD	JADE2	cg18145011	0.000895724255017671	502	0.0200290112680079	0.984028219577286	8.02321941026963e-07	0.991642628249288
PRAD	JADE2	cg21194015	0.00392567108210273	502	0.0877813503659932	0.930085605770239	1.54108934448576e-05	0.962949728041229
PRAD	JADE2	cg25669900	0.00866015199812803	502	0.193654147628518	0.846525341867362	7.49982326306809e-05	0.917974775857338
PRAD	JADE2	cg26133206	-0.0496900738631123	502	-1.11247809021122	0.266467224784634	0.00246910344052155	0.462158093549493
PRAD	JADE3	cg10860619	-0.0247799503633348	502	-0.554266733665092	0.579644125724915	0.000614045940009337	0.745607247538676
PRAD	JADE3	cg17843048	0.00263793281645539	502	0.058986176210318	0.952986685715213	6.95868954413224e-06	0.975174237458294
PRAD	JADE3	cg19194595	-0.112163694211129	502	-2.52398343230339	0.0119119323521302	0.0125806942990877	0.0488699852685865
PRAD	JARID2	cg01769037	0.111578421954322	503	2.51064676592152	0.0123655229873367	0.0124497442458167	0.0503303246626315
PRAD	JARID2	cg03223185	0.115184810580511	502	2.59027442635987	0.00987035198194323	0.0132675405884682	0.0421897891254556
PRAD	JARID2	cg05197191	0.00693859225052536	503	0.155155374353248	0.876761442030543	4.81440624190506e-05	0.934787632718757
PRAD	JARID2	cg06047828	-0.0173515484319156	502	-0.387662593867826	0.698431044110715	0.000301076232985114	0.827047988394255
PRAD	JARID2	cg14862454	-0.00985068811021321	503	-0.220278770146702	0.825743963746397	9.7036056244696e-05	0.906304066305777
PRAD	JARID2	cg15109221	0.0131086638274371	503	0.29314382169282	0.76953384591572	0.000171837067340759	0.872249734226502
PRAD	JARID2	cg21397480	0.0830256591891391	503	1.86294215411971	0.063056564430822	0.00689326008379108	0.170742164056086
PRAD	JARID2	cg21901688	-0.0104815050820906	503	-0.234386454130591	0.814780919714737	0.000109861948785892	0.900368852800299
PRAD	JARID2	cg25338254	-0.0563394358584316	503	-1.26179222310609	0.207611858418063	0.00317413203284633	0.39260432966539
PRAD	JMJD6	cg02318866	0.0433496334167711	503	0.970239332255025	0.332396312887514	0.00187919071736844	0.532132336600635
PRAD	JMJD6	cg04510639	-0.162461860398575	503	-3.68166926009	0.000256928309065897	0.0263938560841659	0.00214142166272018

PRAD	JMJD6	cg07312083	-0.0539029404203949	503	-1.20706123979256	0.227979286086979	0.00290552698596464	0.417795537852778
PRAD	JMJD6	cg08857478	-0.268202234739051	503	-6.22526147990692	1.01894163113573e-09	0.0719324387190212	3.36878645357302e-08
PRAD	JMJD6	cg10712116	-0.0399879140404088	503	-0.894872692573559	0.371285717097262	0.00159903326930312	0.569947532970213
PRAD	JMJD6	cg12504415	-0.169723214858081	503	-3.85099761380816	0.000132919403685551	0.0288059696617624	0.00122923586427886
PRAD	JMJD6	cg15457598	-0.172605053821765	503	-3.91837680536719	0.000101554598576513	0.0297925046048144	0.000976314686315031
PRAD	JMJD6	cg21102709	-0.193919949271962	503	-4.42008682109924	1.21088916725039e-05	0.0376049467256402	0.000154934065587298
PRAD	JMJD6	cg21807925	-0.0719092982098296	503	-1.6121142711834	0.107568066774552	0.00517094716903021	0.251039484810088
PRAD	JMJD6	cg23630158	0.0546256708353763	503	1.22329362863366	0.22179502197703	0.00298396391421488	0.410266015112251
PRAD	JMJD6	cg25004679	-0.071840520572401	503	-1.61056436172645	0.107905788671953	0.00516106039611358	0.251540900274059
PRAD	JMJD6	cg25908504	-0.09460449598266	503	-2.12495138124067	0.0340804826133693	0.00895001066013313	0.108577977902549
PRAD	JMJD6	cg26612088	-0.146403226514171	503	-3.30933374618858	0.00100265065910491	0.0214339047337596	0.00672937670385709
PRAD	JMJD8	cg00873473	-0.0438012586576242	503	-0.980366811589912	0.32737920128067	0.0019185502599921	0.526854314944734
PRAD	JMJD8	cg02851105	-0.0590207518316124	503	-1.32204878542995	0.186756392598211	0.00348344914676878	0.365773585241319
PRAD	JMJD8	cg03899598	-0.0578149865999762	503	-1.29494844275096	0.195935645181365	0.00334257267555543	0.377834950702473
PRAD	JMJD8	cg05787952	-0.0164187901920013	503	-0.367184805340954	0.71363652761809	0.000269576671368957	0.837072642741896
PRAD	JMJD8	cg06191810	-0.0370810684139311	503	-0.829728533447815	0.407088244730618	0.00137500563471864	0.603288431260215
PRAD	JMJD8	cg06646636	-0.129716475016503	503	-2.92526374322859	0.00359803321491895	0.0168263638907071	0.0190416001052207
PRAD	JMJD8	cg08398290	-0.0943866673330346	503	-2.12001460862529	0.0344967443055818	0.00890884297023694	0.109616850196407
PRAD	JMJD8	cg26750188	0.143683362772685	503	3.246544747407	0.00124651826296632	0.0206449087376669	0.0080668531527495
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PRAD	KAT2B	cg00770008	0.0185680589776542	503	0.41526601322992	0.678125316838059	0.000344772814197644	0.814169008381819
PRAD	KAT2B	cg04371528	0.017337222925275	503	0.387730366260113	0.698380586071306	0.000300579298760681	0.827036610119515
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PRAD	KAT2B	cg14937543	0.0295534402480814	503	0.661123791392742	0.508837441542481	0.000873405830496917	0.691352007538544
PRAD	KAT2B	cg18053505	-0.0562427118695201	503	-1.25961908817747	0.208394456293521	0.00316324263843785	0.393586752437441
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PRAD	KAT5	cg02561205	0.0767386195024413	503	1.7210025125923	0.0858689815583841	0.00588881572314047	0.213592055998495
PRAD	KAT5	cg05785768	0.027674232322318	503	0.619051746839121	0.536164213485106	0.000765863134629629	0.712376540517844
PRAD	KAT5	cg07564927	-0.0371008324094798	503	-0.830171383377608	0.4068380899607	0.00137647176547631	0.602993687106258
PRAD	KAT5	cg14726348	-0.0106402017842201	503	-0.237935614028237	0.812028504331147	0.000113213894008922	0.898725481620422
PRAD	KAT5	cg18896539	0.0710994988669762	503	1.59386683953382	0.111597768925144	0.00505513873913514	0.257498484844244
PRAD	KAT5	cg20108992	-0.0861764913727656	503	-1.93416022318915	0.0536573424070975	0.00742638766532034	0.151922379357175
PRAD	KAT5	cg20423942	0.0161318092479382	503	0.360765165748967	0.718427371410005	0.000260235269611865	0.840135882564187
PRAD	KAT5	cg22048492	0.0741748819196127	503	1.66318243522996	0.0969025595515074	0.00550191310778849	0.232775597274972
PRAD	KAT6A	cg10163397	-0.154200588866955	503	-3.48976915226006	0.000526175696433318	0.0237778216069158	0.00391369271711766
PRAD	KAT6A	cg12468056	0.0263134898093859	503	0.588591324917101	0.556401242964447	0.000692399745948655	0.727803848724231
PRAD	KAT6A	cg15251374	-0.346311658286152	501	-8.23803457346201	1.55615995674392e-15	0.119931764664904	1.29614462178733e-13
PRAD	KAT6A	cg20966972	0.237884261564885	503	5.47646386411182	6.88217580695043e-08	0.0565889219002704	1.55051255350681e-06
PRAD	KAT6B	cg04396765	-0.100670963950886	503	-2.26256553142056	0.0240907415950002	0.0101346429828006	0.0838192741912183
PRAD	KAT6B	cg06972998	-0.215407098149831	502	-4.92750656330789	1.13496196269599e-06	0.0464002179333311	1.91442391426653e-05
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PRAD	KAT6B	cg10739686	-0.140966089804588	503	-3.18389057164299	0.00154366690602988	0.0198714384747952	0.00962243776343655
PRAD	KAT6B	cg11128436	0.0511605582690848	503	1.14548494048744	0.25255629644833	0.00261740272240442	0.446479777479262
PRAD	KAT6B	cg11348552	0.0866896813411413	503	1.9457653036796	0.052242898647206	0.00751510085102863	0.148974893052335
PRAD	KAT6B	cg15874302	0.0524786948980316	503	1.17507849819822	0.240522591903718	0.00275401341820068	0.432609232279613
PRAD	KAT6B	cg15912797	0.267202471572357	503	6.20026811022339	1.18112100451278e-09	0.071397160814376	3.85743607997764e-08
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PRAD	KAT6B	cg18462764	-0.103480154312135	503	-2.32637569845847	0.0203972913239864	0.0107081423364632	0.073907167268663
PRAD	KAT6B	cg18491775	0.328953124678452	503	7.78910857557412	3.92531590459e-14	0.108210158235717	2.73870874871457e-12
PRAD	KAT6B	cg24671245	0.115625819938222	503	2.60293019772764	0.00951756183346823	0.0133693302363861	0.0409767671300475
PRAD	KAT6B	cg26605858	0.0985980871330612	503	2.21551571384374	0.0271744238097548	0.00972158278629874	0.0916970324436315
PRAD	KDM1A	cg00062312	-0.0214950932574886	503	-0.480755973909283	0.630900232999658	0.00046203903414813	0.782240049208453
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PRAD	KDM1A	cg04886391	-0.100847368317921	503	-2.26657089404436	0.0238428666485713	0.0101701916966503	0.0831875125828118
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PRAD	KDM1A	cg12578844	0.000757918993147916	503	0.0169475887688667	0.986485188246366	5.74441200174351e-07	0.992930801723891
PRAD	KDM1A	cg22683154	-0.337090311050251	503	-8.00614991098829	8.35147730162208e-15	0.113629877803955	6.2954924922712e-13
PRAD	KDM1A	cg26662347	0.0223417313608998	503	0.49970102977709	0.617505428700123	0.000499152960202612	0.772790729389296
PRAD	KDM1B	cg11007366	0.00170380024436036	503	0.0380981869630307	0.969624603036572	2.90293527268242e-06	0.984061878304425
PRAD	KDM1B	cg15124342	-0.214998341590044	503	-4.92262760086468	1.1615936593613e-06	0.0462242868864693	1.95426075121871e-05
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PRAD	KDM1B	cg22406543	0.0897896112588323	503	2.01589945606637	0.0443448685712509	0.00806217429001223	0.132156803905871
PRAD	KDM1B	cg23073439	-0.197833166733013	503	-4.51287793927789	7.98132956778738e-06	0.0391379618596122	0.000107366341413877
PRAD	KDM1B	cg23860886	0.017852685718993	503	0.399261819598229	0.689870773489547	0.000318718387381138	0.821752085514184
PRAD	KDM1B	cg24342628	0.104855609737411	503	2.35763930119018	0.0187758394893795	0.0109946988934042	0.0693433183268509
PRAD	KDM2A	cg05038268	-0.133499823143709	503	-3.01210867117434	0.00272578668195706	0.0178222027794016	0.0152630712687085
PRAD	KDM2A	cg05295919	-0.272284771128425	503	-6.32754814010736	5.53933801135759e-10	0.0741389965884589	1.9152322722469e-08
PRAD	KDM2A	cg06320126	-0.17363813832411	503	-3.94255611512397	9.21167958744131e-05	0.0301502030806628	0.000897561876033829
PRAD	KDM2A	cg07283932	-0.17090559924123	503	-3.87863007867766	0.000119085179001308	0.0292087238520037	0.00111966550824604
PRAD	KDM2A	cg08836144	-0.226989868218718	497	-5.18032331438035	3.23196165886922e-07	0.051524400273951	6.22498700891489e-06
PRAD	KDM2A	cg09993857	-0.172360344918175	503	-3.91265135717583	0.000103919774275276	0.0297080885003121	0.000995853032763096
PRAD	KDM2A	cg11637544	0.161443945770849	503	3.65798220903802	0.000281184279747935	0.0260641476260609	0.0023152465980854
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PRAD	KDM2A	cg18132081	-0.00411452662216098	503	-0.092004391013459	0.926731400382333	1.69293293244715e-05	0.961339575921089
PRAD	KDM2A	cg21293464	-0.166524552364741	503	-3.77632992034622	0.000178291782671359	0.0277304265402773	0.00157649817471422
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PRAD	KDM2B	cg05067991	-0.07975600922593	503	-1.78909790494853	0.0742042340112099	0.00636102100764663	0.192370173975875
PRAD	KDM2B	cg07020001	-0.112205073924284	503	-2.52492645711441	0.0118804266582448	0.0125899786143541	0.0487781194784402
PRAD	KDM2B	cg07529210	-0.202811803211298	503	-4.63125781350399	4.64021035163038e-06	0.0411326275218182	6.66753830983993e-05
PRAD	KDM2B	cg07793808	-0.0927590704991523	503	-2.08313714400629	0.0377462057390663	0.0086042451598667	0.11735528754005
PRAD	KDM2B	cg09151742	-0.0998866539257387	503	-2.24475992552312	0.0252199708891736	0.00997734363248028	0.0867856157540749
PRAD	KDM2B	cg12251659	0.00468509895110275	503	0.104763147149608	0.916605764705289	2.19501521816241e-05	0.955965583776639
PRAD	KDM2B	cg12888660	-0.116822735055256	503	-2.63024563402151	0.00879539698372489	0.0136475514257906	0.0386286407131426
PRAD	KDM2B	cg15234492	-0.217398361568821	503	-4.98028889603757	8.75751123928971e-07	0.0472620476128077	1.5217373896567e-05
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PRAD	KDM2B	cg16837338	-0.0604754803917482	503	-1.35068210544934	0.17741192762654	0.00365728372861273	0.353692265689173
PRAD	KDM2B	cg17452615	-0.193522772533226	503	-4.41068121820026	1.26263323375004e-05	0.0374510634889467	0.00016070891653526
PRAD	KDM2B	cg20055546	-0.04412667747584	503	-0.98766454537079	0.323794662360579	0.0019471636650568	0.523196818745901
PRAD	KDM2B	cg21249371	-0.21767881115912	503	-4.98703295443254	8.47138968163803e-07	0.0473840648276476	1.47829360451626e-05
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PRAD	KDM2B	cg26218726	0.00333478207386719	503	0.0745684087034167	0.940587933671336	1.11207714801859e-05	0.968318554824381
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PRAD	KDM3A	cg01744130	-0.134156791476729	503	-3.02720260847642	0.00259563391297035	0.0179980446993305	0.0146580108091683
PRAD	KDM3A	cg02152982	-0.202106752094624	503	-4.61447090304919	5.01476124802616e-06	0.0408471392422377	7.14241433382405e-05
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PRAD	KDM3A	cg07211384	-0.307448287356616	503	-7.22468167094385	1.88678122922625e-12	0.0945244493985164	1.02931457886695e-10
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PRAD	KDM3A	cg18611949	-0.221266177316012	503	-5.07341456491944	5.51739247475384e-07	0.0489587212240407	1.00969190821219e-05
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PRAD	KDM3A	cg20191795	-0.177065674137965	503	-4.02287411830533	6.63829356962834e-05	0.0313522529579321	0.000679052478574184
PRAD	KDM3A	cg20918903	-0.186246012505134	503	-4.23875229461215	2.67737674635107e-05	0.0346875771740624	0.000308568661637978
PRAD	KDM3A	cg22404242	0.048827272147104	503	1.0931149369617	0.274869710668453	0.00238410300020217	0.471369862385628
PRAD	KDM3A	cg24749656	-0.23596892987027	503	-5.42975880735937	8.81904571083357e-08	0.0556813358641205	1.93750025989434e-06
PRAD	KDM3B	cg00435490	0.0493512591703543	503	1.1048740092177	0.26974557241669	0.00243554678169948	0.465796254480122

PRAD	KDM3B	cg03315484	-0.201412448325425	503	-4.59794719162224	5.4116995253145e-06	0.040566974304421	7.62677088536804e-05
PRAD	KDM3B	cg05191700	-0.0420293654277841	503	-0.940636350496203	0.347345457520257	0.00176646755826221	0.546626596045776
PRAD	KDM3B	cg05708550	0.0321986225267876	503	0.720356599670367	0.47164208573609	0.00103675129262255	0.659771065179149
PRAD	KDM3B	cg05722427	0.0958726406684964	503	2.1536981932179	0.0317411730982008	0.00919156322875063	0.102929254689514
PRAD	KDM3B	cg15001364	-0.0302735648648092	503	-0.677247905765558	0.498561900961053	0.000916488729623808	0.682805792921643
PRAD	KDM3B	cg18682923	0.153216016825534	503	3.46694953193201	0.000571775429387089	0.0234751478118823	0.00420025474539558
PRAD	KDM3B	cg19076659	0.0428081899266053	503	0.958098506709255	0.338476126116594	0.00183254112479231	0.537836753035548
PRAD	KDM3B	cg24137987	-0.0266976595243505	503	-0.597190681618872	0.550650410975384	0.000712765024078142	0.723187663696847
PRAD	KDM4A	cg00154982	-0.029494873471674	503	-0.659812484281076	0.509677976295992	0.000869947561110057	0.692092455117765
PRAD	KDM4A	cg00979347	0.0663267195549958	503	1.48638361468656	0.137807950006085	0.00439923372692706	0.297969139297184
PRAD	KDM4A	cg03587511	0.0138465178030404	503	0.309647235737032	0.756958235576846	0.000191726055269914	0.864514884606393
PRAD	KDM4A	cg08552254	-0.0879537845092223	503	-1.97435792325964	0.0488909305139491	0.0077358682094947	0.141904006844591
PRAD	KDM4A	cg10958452	0.116237725311025	503	2.61689337180228	0.00914203164917818	0.0135112087854813	0.0398058718237261
PRAD	KDM4A	cg10968649	0.0863472725159886	503	1.93802202957576	0.0531831409260122	0.0074558514709504	0.150920305872846
PRAD	KDM4A	cg12293275	0.0833360743994635	503	1.8699559161871	0.0620740692197878	0.00694490129631292	0.168810394353778
PRAD	KDM4A	cg17737314	0.151162808500325	503	3.41939584361812	0.000678906525456115	0.0228501946737058	0.00485653832104212
PRAD	KDM4A	cg19743044	-0.00518190791288311	503	-0.115872539188489	0.907800081522365	2.68521696176006e-05	0.951106865716191
PRAD	KDM4A	cg20873046	0.0704534162666333	503	1.57931075587255	0.11489718600524	0.00496368386363952	0.262753796572865
PRAD	KDM4A	cg21451504	-0.0511477605277249	503	-1.14519764736851	0.252675145849043	0.0026160934070015	0.446639634087263
PRAD	KDM4A	cg22094309	-0.0613826428726527	503	-1.37515073222167	0.169700554585065	0.00376782884603162	0.343302169897036
PRAD	KDM4A	cg24324755	0.131170641102242	503	2.95862782297612	0.00323655065969086	0.0172057370871732	0.0175142763091772
PRAD	KDM4A	cg24505556	-0.0987569258480055	503	-2.21911997046047	0.0269266671135839	0.00975293040294846	0.091083274260116
PRAD	KDM4A	cg25841161	0.0185410442314906	503	0.414661633062366	0.678567470388556	0.00034377032119409	0.814453533846609
PRAD	KDM4B	cg01098771	-0.00878157926427798	503	-0.196369653627559	0.844400633543701	7.7116134374797e-05	0.916859320630582
PRAD	KDM4B	cg12072803	-0.0696225870435129	503	-1.5605953090997	0.119251956071749	0.00484730462663153	0.269589435543157
PRAD	KDM4B	cg18115693	-0.0604123401391811	503	-1.35333284590235	0.176560832976624	0.00364965084109211	0.352557287920948
PRAD	KDM4C	cg00121158	0.112234063640214	503	2.52558712745753	0.0118583983684687	0.0125964850411957	0.048716756165553
PRAD	KDM4C	cg00667760	0.0070232973132528	503	0.15704957560307	0.875269173172442	4.9326705150344e-05	0.93396461227319
PRAD	KDM4C	cg05545111	0.0581608723828349	503	1.30272185945535	0.193269404696872	0.00338268707633241	0.374270637981392
PRAD	KDM4C	cg14196303	-0.106569458502164	503	-2.39661362630066	0.0169136304453065	0.0113570494854444	0.0639659196335525
PRAD	KDM4C	cg14473811	0.107545048520455	503	2.41880896937347	0.0159274720369038	0.0115659374612669	0.0610856714473916
PRAD	KDM4C	cg14497348	0.026382230180508	503	0.590130008319656	0.555370091840381	0.000696022069297305	0.726803854267063
PRAD	KDM4E	cg15555590	0.0994246528037885	503	2.23427343871488	0.0259062987381176	0.00988526158515389	0.0884897740519483
PRAD	KDM4E	cg19409026	0.14889574193064	503	3.36694163999236	0.000818629830866383	0.0221699419650756	0.00567749746477841
PRAD	KDM5B	cg00528052	-0.0844354232740169	503	-1.89479988004935	0.0586955670378237	0.0071293407034624	0.162043850046718
PRAD	KDM5B	cg00571448	0.0244728964459271	503	0.547394548645484	0.584351945357487	0.000598922660453073	0.749037324718081
PRAD	KDM5B	cg02624558	-0.0243363874237838	503	-0.544339385092775	0.586450612864919	0.000592259752840503	0.750578062655355
PRAD	KDM5B	cg04504182	-0.0483868140330609	503	-1.08323087245857	0.279228046691164	0.00234128377227002	0.476273350443162
PRAD	KDM5B	cg08915090	0.000447642634215779	503	0.0100095946002165	0.992017624820087	2.00383927967641e-07	0.995768043060784
PRAD	KDM5B	cg09889216	-0.0624003451734233	503	-1.39803863459314	0.16272131813186	0.00389380307776238	0.333387996385303
PRAD	KDM5B	cg11171004	0.215515410424123	503	4.93504240790332	1.09330940895231e-06	0.0464468921302781	1.85098829510416e-05
PRAD	KDM5B	cg11221497	0.0483196203583463	503	1.08172309144247	0.279897017101658	0.00233478571157471	0.477015106105689
PRAD	KDM5B	cg13134514	-0.0804286346296259	503	-1.80428415720379	0.0717884075464777	0.00646876526838586	0.187750517941661
PRAD	KDM5B	cg13253785	0.0868139578649918	503	1.94857587954555	0.0519050858413443	0.00753666328018457	0.14827098639899
PRAD	KDM5B	cg13993945	-0.231876752153506	503	-5.33019535382416	1.48744635324125e-07	0.0537668281892587	3.10226277758847e-06
PRAD	KDM5B	cg14560895	-0.0306360986247977	503	-0.685365698434856	0.493430802910105	0.000938570538948331	0.678734009836735
PRAD	KDM5B	cg21105875	0.139882361553069	503	3.14943178607738	0.00173435320930128	0.0195670750736635	0.0105862905895947
PRAD	KDM5B	cg24354901	-0.00942485304237523	503	-0.210755481493506	0.833163941743381	8.88278548703697e-05	0.910498781825767
PRAD	KDM5B	cg27531483	-0.100240764993596	503	-2.25279851972788	0.0247045960801941	0.0100482109665014	0.0854505956810556
PRAD	KDM5C	cg01859586	0.219551306958147	503	5.03209477538507	6.77867345337302e-07	0.0482027763870305	1.21227614398092e-05
PRAD	KDM5C	cg04927657	0.0760574980015359	503	1.70563785084509	0.0886965851980673	0.00578474300225364	0.218637893544346
PRAD	KDM5C	cg04927982	0.0378433904652641	503	0.846810521121924	0.397505862932891	0.00143212220190644	0.594101383277964
PRAD	KDM5C	cg09554224	0.0548233549564446	503	1.22773391149648	0.220124541849344	0.00300560024868032	0.408297584550684
PRAD	KDM5C	cg12234996	-0.00206834249177746	503	-0.0462496430526896	0.963129741349974	4.27804066329219e-06	0.980624195075495
PRAD	KDM5C	cg16417926	0.0157863902528974	503	0.353038410361055	0.724208429995086	0.000249210117216775	0.843821514925586
PRAD	KDM5C	cg16824069	-0.00587034882279203	503	-0.131267252013552	0.895616696738502	3.44609953012558e-05	0.94461318677375
PRAD	KDM5C	cg19903753	-0.0148646084279926	503	-0.332419476203878	0.739711850392497	0.000220956583717549	0.853393004544406

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PRAD	KDM5C	cg27526317	0.106830102355455	503	2.40254276482254	0.0166450668222095	0.011412670769277	0.0631929299871635
PRAD	KDM6A	cg00751785	-0.154413813904924	503	-3.49471251123598	0.000516756233950337	0.0238436259246645	0.00385653630697741
PRAD	KDM6A	cg03267667	-0.0830074267949169	503	-1.8625302142589	0.0631146680055558	0.00689023290311348	0.170828131511476
PRAD	KDM6A	cg03478540	0.015211225159481	503	0.340172691865186	0.733869343955008	0.000231381370852427	0.849879147653679
PRAD	KDM6A	cg06877198	-0.0639544403999325	503	-1.43299836857226	0.152483251065922	0.00409017044686852	0.319320834751594
PRAD	KDM6A	cg07167981	-0.0750993501170477	503	-1.68402811957776	0.0928003500425661	0.0056399123880029	0.225808089556516
PRAD	KDM6A	cg11895950	-0.0405656511473203	503	-0.907822786613467	0.364409185260977	0.00164557205300609	0.56339707700184
PRAD	KDM6A	cg14384228	-0.14658199327798	503	-3.31346330793442	0.000988277394195068	0.0214862807533459	0.0066506965055373
PRAD	KDM6A	cg15923127	-0.129769704037419	503	-2.92648467872196	0.00358418088154288	0.0168401760859593	0.0189924233702573
PRAD	KDM6A	cg17824914	-0.202563020050805	503	-4.62533355626778	4.76921514973717e-06	0.0410317770921027	6.82642729270752e-05
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PRAD	KDM6A	cg27306636	-0.112059435679812	502	-2.51908461726869	0.0120774222364286	0.012557317124878	0.0494006512151387
PRAD	KDM6B	cg01046511	0.0078911239277857	503	0.176456389254854	0.860006855546665	6.22698368436719e-05	0.92553836745799
PRAD	KDM6B	cg02308232	0.0133455345223269	503	0.298441801797027	0.76548997305259	0.00017810329168662	0.869983167275306
PRAD	KDM6B	cg24893073	0.0106412460917142	503	0.237958969420207	0.812010399622426	0.000113236118384422	0.898725481620422
PRAD	KDM8	cg00636124	-0.136066189039309	503	-3.07109443109209	0.00224886306366604	0.0185140077996809	0.0130636240423265
PRAD	KDM8	cg01755539	-0.0154991637798051	503	-0.346613473012015	0.729027543762125	0.000240224077873224	0.84676402051338
PRAD	KDM8	cg06329197	-0.0862132878587029	503	-1.93499227302894	0.0535548746165888	0.00743273100340756	0.151709559242696
PRAD	KDM8	cg08572679	0.0267443458972093	503	0.598235739728716	0.549953531482657	0.000715260037469575	0.722723871617849
PRAD	KDM8	cg09140090	0.00784612692227244	503	0.175450132170917	0.860796980594266	6.15617076804083e-05	0.926041094934893
PRAD	KDM8	cg10214171	0.0244584587231231	503	0.5470771421271365	0.584573743724946	0.000598216203110715	0.749173500368002
PRAD	KDM8	cg10221365	0.00237048083873193	503	0.0530057118721646	0.95774852724368	5.61917940679524e-06	0.977712796257746
PRAD	KDM8	cg16752029	-0.0633412579558834	503	-1.41920345076418	0.156462798383975	0.00401211495943376	0.324921036210537
PRAD	KDM8	cg24206694	-0.007506486400046	503	-0.167854867780916	0.866765327191851	5.63473380740756e-05	0.929185617125494
PRAD	KDM8	cg24705286	-0.0721110279502832	503	-1.61666040013357	0.106582316363334	0.00520000035204652	0.249217454739081
PRAD	KIAA202f	cg03495688	0.35554784897315	503	8.50609625386525	2.09863064877451e-16	0.126414272909434	1.95288125228187e-14
PRAD	KIAA202f	cg25608569	-0.0673620635995827	503	-1.50969064967284	0.131754030849633	0.00453764761239422	0.288740497684706
PRAD	KMT2B	cg09284703	-0.0784318110216142	503	-1.75920788424933	0.0791537952862414	0.00615154898013021	0.201446271034852
PRAD	KMT2B	cg13830730	-0.0239431066155145	503	-0.535537666323851	0.592516237970162	0.000573272354401895	0.75477662054447
PRAD	KMT2B	cg15496871	-0.00704204508403626	503	-0.157468819604435	0.874938948885351	4.95903989655993e-05	0.933855618220056
PRAD	KMT2B	cg24471867	0.0799491587210601	503	1.79345849999896	0.0735038261262947	0.00639186798020527	0.191076543796998
PRAD	L3MBTL1	cg01071811	-0.228972585165354	503	-5.25971826536572	2.14300978786763e-07	0.0524284447573055	4.30895072208256e-06
PRAD	L3MBTL1	cg01877937	-0.19484927513262	503	-4.44210316266372	1.09758613093325e-05	0.0379662400197074	0.000142119865961754
PRAD	L3MBTL1	cg02177317	-0.128183080148373	503	-2.89010264585406	0.00401852530762004	0.0164309020363243	0.0208161644547206
PRAD	L3MBTL1	cg02472486	-0.0452672409646567	503	-1.01324494368124	0.311433238634196	0.00204912310455229	0.510313366044078
PRAD	L3MBTL1	cg02611863	-0.218908463083854	503	-5.0166181108217	7.31942025581281e-07	0.0479209152097352	1.29410677131978e-05
PRAD	L3MBTL1	cg03486259	-0.100776272955775	503	-2.26495660699371	0.0239424998474875	0.0101558571908569	0.0834415748201526
PRAD	L3MBTL1	cg04984575	-0.168456137748595	503	-3.8214048737244	0.000149412666850563	0.0283774703451735	0.00135787488375849
PRAD	L3MBTL1	cg06362543	0.0196520125069082	503	0.439517237926436	0.660476690042351	0.000386201595571676	0.802511786121744
PRAD	L3MBTL1	cg06446163	-0.230383625640481	503	-5.29394213367796	1.79570690082192e-07	0.0530766149632533	3.68783586701532e-06
PRAD	L3MBTL1	cg06908806	0.0833510360186605	503	1.87029398444735	0.0620270350172968	0.00694739520538405	0.168694279196462
PRAD	L3MBTL1	cg07678583	-0.210357707436382	503	-4.81139885843818	1.98747607967406e-06	0.0442503650778903	3.14255516549114e-05
PRAD	L3MBTL1	cg08369943	-0.0535506319416928	503	-1.19914914915179	0.231037928024714	0.00286767018135464	0.421484524371048
PRAD	L3MBTL1	cg08633313	-0.184606675456154	503	-4.20012039785594	3.15901695239564e-05	0.0340796246229739	0.000356576559481524
PRAD	L3MBTL1	cg09541000	-0.0564515284748801	503	-1.26431069546813	0.20670757381923	0.0031867750671502	0.39142712131087
PRAD	L3MBTL1	cg10360552	-0.235113500742232	503	-5.40892099507112	9.84518250916973e-08	0.0552783582312675	2.14116893519248e-06
PRAD	L3MBTL1	cg12699433	0.0234847569191212	503	0.525280003881016	0.599621403221151	0.000551533807550211	0.759796518262146
PRAD	L3MBTL1	cg14306330	0.00367634505763975	502	0.0821238828328383	0.934581131694441	1.35155129828322e-05	0.965222617950599
PRAD	L3MBTL1	cg15123011	-0.0773326445764123	503	-1.73440444087046	0.0834626494400085	0.00598033791718171	0.209144575633307
PRAD	L3MBTL1	cg15302378	-0.246570811272265	503	-5.68914455473331	2.17608593503174e-08	0.0607971649714629	5.56680135579939e-07
PRAD	L3MBTL1	cg15330298	-0.215924501412436	503	-4.94486775409289	1.04203066424761e-06	0.0466233903102092	1.77111062911249e-05
PRAD	L3MBTL1	cg15388309	-0.310224264313429	503	-7.29682599619414	1.16459021914632e-12	0.0962390941688085	6.52254366510214e-11
PRAD	L3MBTL1	cg16862791	-0.287706171056497	503	-6.71732251036805	5.04857782929851e-11	0.0827748408639902	2.1138270379572e-09
PRAD	L3MBTL1	cg17091610	-0.327126438493807	503	-7.74065595164939	5.52104310158355e-14	0.107011706761642	3.76098097236945e-12
PRAD	L3MBTL1	cg17774347	-0.0554147446457288	503	-1.2410182806001	0.215180933353092	0.00307079392415133	0.402234316007171

PRAD	L3MBTL1	cg18911945	-0.235378306300836	503	-5.41537009717973	9.51581017038247e-08	0.05540294707705	2.07417466067451e-06
PRAD	L3MBTL1	cg20091959	-0.269329756290466	503	-6.25347472832007	8.61964394221636e-10	0.0725385176234819	2.88287438022691e-08
PRAD	L3MBTL1	cg20252111	-0.284223028805545	503	-6.62880399635932	8.7857754965179e-11	0.0807827301033978	3.55054867000578e-09
PRAD	L3MBTL1	cg20529070	-0.288156028177759	503	-6.72877599523804	4.69732714150329e-11	0.0830338965751817	1.97313103480619e-09
PRAD	L3MBTL1	cg22330467	-0.108604009064083	501	-2.43801833867336	0.0151166860286906	0.0117948307847913	0.0587255532242189
PRAD	L3MBTL1	cg22457903	-0.29940279197263	503	-7.01672973657946	7.42419749800061e-12	0.0896420318410059	3.61651859836856e-10
PRAD	L3MBTL1	cg22601123	0.0273900320863837	503	0.612689603746627	0.540360153048815	0.00075021385769313	0.715641432520932
PRAD	L3MBTL1	cg23626798	-0.200644534734664	503	-4.57968005434547	5.88561017332693e-06	0.0402582293188899	8.21713066127121e-05
PRAD	L3MBTL1	cg24343973	-0.234395767483556	503	-5.39144765006473	1.07941909785929e-07	0.0549413758142053	2.3312695529946e-06
PRAD	L3MBTL1	cg02358112	-0.116554515999547	503	-2.62412345869836	0.00895284395963663	0.0135849551998887	0.0391851886461107
PRAD	L3MBTL1	cg06235991	-0.115697428954993	503	-2.60456410070308	0.00947291748260673	0.0133858950667957	0.0408387998139046
PRAD	L3MBTL1	cg08053598	-0.137837533384343	503	-3.11184395523997	0.00196555922377198	0.0189991856094798	0.0117234312852961
PRAD	L3MBTL1	cg09993119	-0.180779695881986	503	-4.11007608477605	4.622235586402e-05	0.0326812984431834	0.000495497030740742
PRAD	L3MBTL1	cg12821546	-0.150854779010936	503	-3.41226559696181	0.000696497342943129	0.0227571643504385	0.00496638994472207
PRAD	L3MBTL1	cg13843727	-0.0710185729190113	503	-1.59204348755884	0.112006912094858	0.00504363769945292	0.258207364413778
PRAD	L3MBTL1	cg14679202	-0.0486115688348845	503	-1.08827432677893	0.27699830218258	0.00236308462458871	0.473793047189333
PRAD	L3MBTL1	cg15283028	-0.0341885168150527	503	-0.764925650656217	0.444676694100596	0.00116885468201314	0.636664741710901
PRAD	L3MBTL1	cg19467356	-0.0742998763685728	503	-1.66600066161858	0.0963396036747412	0.0055204716283852	0.231931767291973
PRAD	L3MBTL1	cg24240981	-0.132012915375321	503	-2.97796165831545	0.00304258467710338	0.0174274098258916	0.0166452062145275
PRAD	L3MBTL1	cg26947834	-0.153598306292279	503	-3.47580867045293	0.000553650919026251	0.0235924396958569	0.00408756947847852
PRAD	L3MBTL1	cg27177954	0.10706281745513	503	2.40783700208639	0.0164084428583571	0.0114624468814305	0.0625142467174215
PRAD	L3MBTL1	cg03454037	-0.0850359238751967	503	-1.90837340924385	0.0569153457168053	0.00723110834930824	0.158454220271371
PRAD	L3MBTL1	cg07826275	-0.0156254356811559	503	-0.34943802460298	0.726907613391089	0.000244154240225941	0.845413173516034
PRAD	L3MBTL1	cg08106148	0.00687382462463106	503	0.153707022591055	0.877902763408673	4.72494649701844e-05	0.935184208692633
PRAD	L3MBTL1	cg08358392	-0.175702017337584	503	-3.99090141605678	7.56806091068376e-05	0.0308711988964967	0.000758209569202489
PRAD	L3MBTL1	cg09710740	0.0637459063624384	503	1.42830674443925	0.153827924790204	0.00406354057796876	0.321155321269098
PRAD	L3MBTL1	cg10237990	0.0787711335889813	503	1.76686622998826	0.0778606569257927	0.00620489148689314	0.199043473592229
PRAD	L3MBTL1	cg16487825	0.0339059696784487	503	0.758596702824936	0.448451278175343	0.00114961477983589	0.639772945798141
PRAD	L3MBTL1	cg16800851	-0.123120770492939	503	-2.77417086128182	0.00574125546026252	0.0151587241267749	0.0276905433370704
PRAD	L3MBTL1	cg18411550	0.106017585733578	503	2.38406124648413	0.0174948140809163	0.0112397284847765	0.0656976041036302
PRAD	L3MBTL1	cg18798995	0.0591251605309886	503	1.32439570898863	0.185976705786035	0.00349578460781517	0.364823340329044
PRAD	L3MBTL1	cg22934935	-0.0901539704117156	503	-2.02414671298188	0.0434862516543924	0.00812773838099649	0.130211741178046
PRAD	L3MBTL1	cg24516147	0.0293774994748384	503	0.657184506988983	0.511364675250123	0.000863037475394133	0.693558065943863
PRAD	LBR	cg01017344	0.00476230468149005	503	0.106489577548249	0.915236635543572	2.26795458793421e-05	0.955203568943461
PRAD	LBR	cg05530459	-0.0154322182887778	503	-0.345115989086683	0.730152305496306	0.000238153361312487	0.847428197910016
PRAD	LBR	cg12994003	-0.144691128183467	503	-3.26980051759778	0.00115041352162782	0.0209355225750045	0.00754533930541391
PRAD	LBR	cg14607642	-0.0297352772328868	503	-0.665195155617947	0.506232388044695	0.000884186712116636	0.689264953716553
PRAD	LBR	cg18107727	0.0513447594685669	503	1.14962008735924	0.250849968343727	0.00263628432488499	0.444463682351659
PRAD	LBR	cg18289048	-0.0347717426326178	503	-0.777990268412975	0.436942727283727	0.00120907408570901	0.629962610295234
PRAD	LBR	cg18764107	0.0452893232326431	503	1.01374024055263	0.311197014032359	0.00205112279887083	0.510119695512524
PRAD	LBR	cg19322477	-0.0205910459597101	503	-0.460527425069819	0.645337914445948	0.000423991173714892	0.792114386727593
PRAD	LBR	cg20483690	-0.155082480389797	503	-3.51021796490731	0.000488223620608313	0.0240505757238516	0.00367319809880108
PRAD	LBR	cg26930584	-0.17777622789993	503	-4.03954343790323	6.197619701723e-05	0.0316043872063278	0.000640629321121232
PRAD	MBD1	cg01719254	-0.048933888420572	503	-1.09550740540409	0.273821802794428	0.00239452543595699	0.470228517345273
PRAD	MBD1	cg03841029	-0.143171255184593	503	-3.23473101710116	0.00129813793488168	0.020498008311132	0.00833641592423524
PRAD	MBD1	cg05549078	-0.0399883877585646	503	-0.894883310691749	0.371280045973619	0.00159907115552932	0.569947532970213
PRAD	MBD1	cg12090413	-0.0497470208923451	503	-1.11375620067363	0.265918903898588	0.00247476608766342	0.461730134363475
PRAD	MBD1	cg13478031	0.0258675217306974	503	0.578608984319666	0.563113574994819	0.0006691286804881	0.733120083227013
PRAD	MBD1	cg14389183	-0.157037473196244	503	-3.5557999484575	0.000412983380502075	0.0246607679878609	0.00318853008165725
PRAD	MBD1	cg19328682	-0.225963041514382	503	-5.18684029563277	3.11284146379374e-07	0.0510592961304303	6.01677262746993e-06
PRAD	MBD1	cg21282183	0.0357308148847242	503	0.79947581456982	0.424394196461052	0.00127669113232643	0.619319854424039
PRAD	MBD2	cg15090185	-0.0252773740128523	503	-0.565399924624134	0.572055389829457	0.000638945636985621	0.73975991549574
PRAD	MBD2	cg16852837	-0.09154594223761	503	-2.05566152231354	0.0403338723182166	0.00838065954017183	0.123159648494276
PRAD	MBD2	cg17987217	-0.0558451341213351	503	-1.25068692953662	0.211633666556511	0.0031186790050299	0.39771546661748
PRAD	MBD2	cg22224310	-0.0284148484766143	503	-0.635631985238701	0.525307123335843	0.000807403613948953	0.704278196515098
PRAD	MBD2	cg22836370	0.00399777602171639	503	0.0893937037912322	0.928804822635808	1.59822131198105e-05	0.962340907690556
PRAD	MBD2	cg23388714	0.00591003252431045	503	0.132154652736948	0.894915131295685	3.49284844384073e-05	0.944171783564407

PRAD	MBD2	cg24881765	-0.0621919393702479	503	-1.39335127953241	0.164132664290031	0.00386783732263259	0.335528484713669
PRAD	MBD2	cg25192916	0.0897414782285862	503	2.01481002767081	0.0444593541348803	0.00805353291465181	0.13240452475189
PRAD	MBD3	cg08660999	-0.357516429745461	503	-8.56007256941395	1.39638860736597e-16	0.127817997537941	1.32800312128886e-14
PRAD	MBD3	cg09174855	0.255787082752929	503	5.91639284735016	6.11052066648529e-09	0.0654270317032538	1.74189023352348e-07
PRAD	MBD3	cg12286540	-0.0874464640401256	503	-1.96288174695981	0.0502138963236024	0.00764688407312097	0.144716772889205
PRAD	MBD5	cg03890220	0.294335110928625	503	6.88659357588925	1.72194407502938e-11	0.0866331575253663	7.81089897217702e-10
PRAD	MBD5	cg04152151	0.315786975344625	503	7.44201867626903	4.36099460844402e-13	0.0997214137973066	2.59769689563012e-11
PRAD	MBD5	cg05218490	-0.0211493801393478	503	-0.473020318682706	0.636405108979537	0.00044729628027864	0.78598642696271
PRAD	MBD5	cg06394585	0.286465074752998	503	6.68574896159754	6.15578842021115e-11	0.0820622390532408	2.53780288480078e-09
PRAD	MBD5	cg06758980	0.274650756624508	503	6.38699559617607	3.87279236678979e-10	0.0754330381144146	1.37948722244526e-08
PRAD	MBD5	cg20595490	0.2222455439355	503	5.09703456712665	4.90172038852649e-07	0.0493930817991863	9.05758755118836e-06
PRAD	MBD5	cg21412502	-0.209826623392785	503	-4.79869147983734	2.1118565417888e-06	0.0440272118844176	3.31362984695276e-05
PRAD	MBD5	cg23120335	-0.319950927915041	503	-7.55125884083404	2.06244605245558e-13	0.102368596273696	1.29810621524862e-11
PRAD	MBD5	cg25686162	0.131539510626127	503	2.96709416797306	0.00315026213018361	0.0173026428557609	0.0171414626953559
PRAD	MBD5	cg26664634	-0.372885976418651	503	-8.98608582245107	5.25660864992356e-18	0.139043951409691	5.79224664748092e-16
PRAD	MBTD1	cg01388767	-0.055988553105686	503	-1.25390897523283	0.210461021857126	0.00313471807886822	0.396124183062839
PRAD	MBTD1	cg14577476	-0.0842798443779802	503	-1.89128356273857	0.05916423557242	0.00710309216837656	0.16299970046821
PRAD	MBTD1	cg17045523	-0.0383411198888167	503	-0.857964357573677	0.39132321749757	0.00147004147432861	0.588442794737253
PRAD	MBTD1	cg18711617	0.174169798706191	503	3.95500483399907	8.75878850115709e-05	0.03035118781355	0.000858270805717363
PRAD	MBTD1	cg22141797	-0.0479667561979684	503	-1.0738052973827	0.283427897512683	0.00230080970015534	0.480720395206039
PRAD	MBTD1	cg25259117	0.0635103389354042	503	1.42300714575655	0.155357704367725	0.00403356315168992	0.323283994771204
PRAD	MBTD1	cg25716740	-0.0806364456457769	503	-1.80897652720053	0.0710551497273545	0.00650223636638434	0.186386496202914
PRAD	MBTD1	cg25855326	-0.189458131296429	503	-4.31455435958446	1.92812525901305e-05	0.0358943835143348	0.000231905653060701
PRAD	MBTD1	cg27207041	-0.0445168090820614	503	-0.996413921925283	0.319531033705861	0.00198174629084871	0.518850262708754
PRAD	MBTD1	cg27214721	-0.0368595869752426	503	-0.824765886911882	0.409897806742068	0.00135862915198547	0.605813321257171
PRAD	MBTD1	cg27353579	-0.0634841706537336	503	-1.42241844842662	0.155528349810188	0.00403023992359238	0.32354188803973
PRAD	MLLT10	cg00879184	-0.128394947535691	503	-2.89495955296494	0.00395789331153821	0.016485262552693	0.0205939637668252
PRAD	MLLT10	cg03524461	-0.153275609925801	503	-3.46833043159363	0.000568914317545598	0.0234934125981264	0.00418081621189706
PRAD	MLLT10	cg04188362	-0.0113551520762099	503	-0.253925290397551	0.799657660892636	0.000128939478673855	0.890577652092404
PRAD	MLLT10	cg05913198	0.0390475005334068	503	0.873795050397888	0.382649352589075	0.0015247072979064	0.580941945016978
PRAD	MLLT10	cg06398735	0.0617509095885049	503	1.38343246930861	0.167149651238278	0.00381317483500771	0.339865132473355
PRAD	MLLT10	cg11443787	-0.0866845597490442	503	-1.94564947827232	0.0522568595747888	0.00751421289888562	0.149002286471358
PRAD	MLLT10	cg15910013	0.0613192495944035	503	1.37372517443649	0.170142586300178	0.00376005037082075	0.343874473477854
PRAD	MLLT10	cg19119538	-0.0185549033283344	503	-0.414971691878168	0.678340623117027	0.000344284437523837	0.814312317261311
PRAD	MLLT10	cg20569108	-0.0310633048266182	503	-0.694931972874963	0.487420740896389	0.000964928906751403	0.673710790794429
PRAD	MLLT10	cg23344688	0.00270054002478605	503	0.0603861309097101	0.951872232750253	7.29291642547142e-06	0.974546595001226
PRAD	MLLT10	cg26877631	-0.161735155477541	503	-3.66475748183187	0.000274035057758439	0.0261582605173443	0.00226477034773823
PRAD	MLLT10	cg27470303	0.0705295041850715	503	1.58102489401473	0.114504690290187	0.00497441096059202	0.262163101902255
PRAD	MLLT10	cg27572529	-0.0253063215260839	503	-0.56604783227641	0.571615217500163	0.000640409909181538	0.73942527882825
PRAD	MLLT6	cg05652455	0.142972057754465	503	3.23013647971151	0.00131874271850228	0.020441009298546	0.00844505328214821
PRAD	MORF4L	cg03589001	-0.195129020544997	503	-4.44873294753212	1.06550549896827e-05	0.03807533465885	0.000138609069053534
PRAD	MORF4L	cg07757959	0.0629118622266909	503	1.40954419001011	0.159295985125382	0.00395790240883014	0.328785966592661
PRAD	MORF4L	cg08692282	0.0212957206315727	503	0.476294803552632	0.63407242602012	0.000453507717217993	0.784535134299738
PRAD	MORF4L	cg13747872	0.0533409687492447	503	1.19444077816725	0.232871902554053	0.0028452589471079	0.42360142760208
PRAD	MORF4L	cg15822222	-0.098275129844102	503	-2.20818792075016	0.0276842265810717	0.0096580011458751	0.0930068544933447
PRAD	MORF4L	cg20775702	-0.0778131029915952	503	-1.74524552576657	0.0815564504801713	0.00605487899718061	0.205793140079612
PRAD	MORF4L	cg20905746	0.0280223835383772	503	0.626845709712742	0.531046481699747	0.000785253979171912	0.708773234162053
PRAD	MORF4L	cg23623458	-0.169414535931214	497	-3.82065424868659	0.000150067094674199	0.0287012849847886	0.00136223098752447
PRAD	MORF4L	cg24795825	0.18328863312579	502	4.16491515764854	3.6701076476254e-05	0.0335947230331205	0.000406018706398422
PRAD	MPHOSF	cg00331616	-0.0421090866004087	503	-0.942423712974122	0.346430870761429	0.00177317517432072	0.545750337370188
PRAD	MPHOSF	cg03134886	0.044335216374986	503	0.992341334568073	0.321511028303866	0.00196561141101683	0.520999623718853
PRAD	MPHOSF	cg03428000	0.237313701991667	503	5.46254381054261	7.41145815928166e-08	0.0563177931529898	1.65870821646478e-06
PRAD	MPHOSF	cg04203901	0.000125534445378804	503	0.0028070355559653	0.997761432178436	1.5758896976564e-08	0.998891370742146
PRAD	MPHOSF	cg06019692	0.0169607735458217	503	0.379308987416963	0.704619460441537	0.000287667839272646	0.831439848100791
PRAD	MPHOSF	cg09559995	0.0707448241750887	503	1.58587585667287	0.113399672377383	0.00500483014756422	0.260528253001576
PRAD	MPHOSF	cg11051893	0.183752106180986	503	4.1799964089742	3.44156838306945e-05	0.0337648365259482	0.000384367917417403
PRAD	MPHOSF	cg19693579	0.100390900712158	503	2.25620697712782	0.0244888488034006	0.0100783329457984	0.0848817280258307

PRAD	MPHOSF	cg20759595	-0.0163563525141863	503	-0.365788093822989	0.714677908600746	0.000267530267568327	0.837755642608098
PRAD	MPHOSF	cg20952532	0.0986194963834776	503	2.21600150754792	0.0271409156932166	0.00972580506693075	0.0916207591858576
PRAD	MPHOSF	cg21958444	-0.125556541884645	503	-2.82992433090355	0.00484318622197757	0.0157644452100307	0.0241674681816884
PRAD	MPHOSF	cg22656705	-0.228359755900798	503	-5.2448654047457	2.31323947169435e-07	0.0521481781150721	4.60787934883705e-06
PRAD	MSH6	cg00620552	-0.0736763508830772	503	-1.6519429322304	0.0991740042858383	0.00542820467944632	0.236856982452108
PRAD	MSH6	cg02905881	0.023258021197256	503	0.520205882151855	0.603150335534447	0.000540935550012007	0.76226914470907
PRAD	MSH6	cg05039065	0.0329543857520913	503	0.737282917240663	0.461296150627842	0.00108599154029764	0.650876444036316
PRAD	MSH6	cg07652213	-0.158619996976716	503	-3.59233092115867	0.000360142603262828	0.0251603034408935	0.00284724935754354
PRAD	MSH6	cg09898070	-0.0414158898843099	503	-0.9268827222873	0.354434607278546	0.00171527593490928	0.553450137266704
PRAD	MSH6	cg11869233	-0.088198915004077	503	-1.97990361305287	0.0482622190150585	0.00777904860789639	0.140556915566176
PRAD	MSH6	cg16595246	-0.0788652847847991	503	-1.76899128620674	0.0775049080661408	0.00621973314418747	0.198473182728113
PRAD	MSH6	cg18222961	-0.00140308810333173	503	-0.0313740346570695	0.974983767740459	1.96865622571103e-06	0.986832077714679
PRAD	MSH6	cg19076255	-0.0553719316800141	503	-1.24005653039761	0.21553611951695	0.00306605081797614	0.402651966997971
PRAD	MSH6	cg19736286	0.0302546275545944	503	0.67682387220106	0.498830704099149	0.000915342488467223	0.683072570359424
PRAD	MSH6	cg21405109	-0.0969281944220054	503	-2.17763397405993	0.0299000470168694	0.00939507487391009	0.0984152425483535
PRAD	MTA1	cg01318265	-0.0430939998517708	503	-0.964507136734853	0.335257979213179	0.00185709282322442	0.534813525863794
PRAD	MTA1	cg01655777	-0.0538475590083335	503	-1.20581746252822	0.228458176952887	0.00289955961115595	0.418347937242495
PRAD	MTA1	cg05922925	-0.105033190921214	503	-2.36167665018258	0.0185749183920246	0.0110319711950921	0.0687612277606074
PRAD	MTA1	cg13052453	-0.0734691381907871	503	-1.64727163871081	0.100130498441623	0.00539771426649697	0.23846784006636
PRAD	MTA1	cg13981078	-0.199360813415389	503	-4.54916249872217	6.76746965955206e-06	0.0397447339256454	9.27371031698419e-05
PRAD	MTA1	cg16531924	-0.0855437126511117	503	-1.91985294303897	0.0554451389221915	0.00731772677413596	0.155506474618981
PRAD	MTA1	cg20222911	-0.0266481193579925	503	-0.596081746616988	0.551390362062531	0.000710122265317813	0.723850719386079
PRAD	MTA1	cg21517792	-0.101978233243154	503	-2.29225297965972	0.0223056203001934	0.010399560055395	0.0790219693808117
PRAD	MTA1	cg23123838	-0.00923121737552887	503	-0.206425091150676	0.836542902082612	8.52153742342661e-05	0.912470246835634
PRAD	MTA1	cg23883989	0.0565288707372881	503	1.26604843244253	0.206085295001418	0.00319551322683302	0.390505405902821
PRAD	MTA1	cg23966123	-0.0225179070827061	503	-0.503643413412283	0.614733796946125	0.000507056139385387	0.770818608448417
PRAD	MTA2	cg00501779	-0.13373021587645	503	-3.01740151430036	0.00267948138953546	0.0178837706383618	0.015046674773067
PRAD	MTA2	cg07654871	-0.0267949572390084	503	-0.599368661319459	0.549198554360343	0.000717969733440288	0.722207517798244
PRAD	MTA2	cg09086761	-0.0291125702850589	503	-0.651252902084392	0.515182440713915	0.000847541748602496	0.696564184670088
PRAD	MTA2	cg13708959	-0.102341681898434	503	-2.3005088464605	0.0218301621986197	0.0104738198538003	0.0778337979778826
PRAD	MTA2	cg19570317	-0.118397699058851	503	-2.66620644930295	0.00791966486319852	0.0140180151424302	0.035654074558314
PRAD	MTA2	cg21002970	-0.0936515211633818	503	-2.10335584323623	0.0359336926127009	0.00877060741621535	0.11309631179386
PRAD	MTF2	cg05396182	-0.00640867854597091	503	-0.143305351636136	0.886106763396578	4.10711607055879e-05	0.939577123417838
PRAD	MTF2	cg05962718	-0.143070652252615	503	-3.23241053577371	0.00130850688632012	0.0204692115359886	0.00839330348898311
PRAD	MTF2	cg09936581	0.0396471156334246	503	0.88723404976594	0.375379467684096	0.00157189377805014	0.574022965207804
PRAD	MTF2	cg11404133	-0.0376980585845873	503	-0.843553834836571	0.399322148170922	0.00142114362104698	0.595922944902238
PRAD	MTF2	cg14474880	-0.0671625017702429	503	-1.50519785645873	0.132904646414208	0.00451080164403788	0.290567976170791
PRAD	MTF2	cg15463775	-0.0447380655625986	503	-1.00137618420493	0.317129337925616	0.00200149451028337	0.516373144286694
PRAD	MTF2	cg16813892	0.000588448477681353	503	0.0131581102516579	0.989506898386887	3.46271610885501e-07	0.994415445719022
PRAD	MTF2	cg19708337	0.0158205116298901	502	0.353447694712669	0.723902107756356	0.000250288588231488	0.843580989395107
PRAD	MTF2	cg22801127	0.0107990311741996	503	0.241487759416528	0.809276104345549	0.000116619074301334	0.896918746134437
PRAD	MTF2	cg23992808	0.00970210009240292	502	0.216738700304364	0.828500567014234	9.41307462030047e-05	0.907843835626527
PRAD	MTF2	cg26054395	-0.0902574131688224	503	-2.02648828543005	0.0432450547182	0.00814640063192752	0.129676821753369
PRAD	NAP1L2	cg02379437	-0.0359349429430951	502	-0.803244610464722	0.422215801719961	0.0012913201243235	0.617310481111913
PRAD	NAP1L2	cg04297329	-0.118508177247428	503	-2.66872973672121	0.0078612630707352	0.0140441880745079	0.0354485914285169
PRAD	NAP1L2	cg07693661	-0.0643690588775179	500	-1.4379935748352	0.151065223506145	0.00414337574077737	0.317217804341433
PRAD	NAP1L2	cg20001978	-0.0778148438685649	497	-1.73478149531286	0.083403233979551	0.00605514992628913	0.209056295405503
PRAD	NAP1L2	cg23483095	-0.0536499303448629	503	-1.20137913212293	0.230172920569209	0.00287831502600864	0.420348314777319
PRAD	NCOA1	cg11380327	-0.38411323781789	503	-9.30267890464156	4.27601110356638e-19	0.147542979466943	5.18951650219724e-17
PRAD	NCOA1	cg13911252	0.0185305400275957	503	0.41442663082163	0.678739423738923	0.000343380913714325	0.814541755065189
PRAD	NCOA1	cg15477048	0.0899158314459843	503	2.01875635311962	0.0440458283200771	0.00808485674462266	0.131495171092642
PRAD	NCOA1	cg23006163	-0.327295026358476	503	-7.74512364035341	5.35044781736395e-14	0.107122034278995	3.65758117314597e-12
PRAD	NCOA3	cg04175879	-0.142957513308311	503	-3.22980102421302	0.00132025890579122	0.0204368506112961	0.00845126481668086
PRAD	NCOA3	cg09568061	-0.0870921998302991	503	-1.95486879357539	0.0511553609059946	0.00758505127128075	0.146712632122431
PRAD	NCOA3	cg12128876	0.102411928875024	503	2.30210463903487	0.0217392871014494	0.0104882031759029	0.0775868319309054
PRAD	NCOA3	cg14341558	-0.0156674147451431	503	-0.350377049814173	0.726203303549925	0.000245467884796329	0.844933110859837
PRAD	NCOA3	cg14774045	-0.00415417835134976	503	-0.0928910533658585	0.926027321033038	1.7257197774823e-05	0.961054615617427

PRAD	NCOA3	cg18295930	-0.0837357013990468	503	-1.87898620600237	0.0608278386713485	0.00701166768879033	0.16627572583713
PRAD	NCOA3	cg217135648	0.158867747106703	503	3.59808698179459	0.000352464824009292	0.0252389610707593	0.00279592622810022
PRAD	NCOA3	cg22511723	0.00262005882120132	503	0.0585864973824917	0.953304872495151	6.86470822655487e-06	0.975345878937448
PRAD	NCOA3	cg22876277	0.0161454334249781	503	0.361069930667572	0.718199678720938	0.0002606750204804	0.83997272545578
PRAD	NCOA3	cg24856420	0.191556707838333	503	4.36415561202082	1.55128247248333e-05	0.0366939723178607	0.000192074595996129
PRAD	NCOA3	cg25373408	-0.049843401217568	503	-1.11591937085089	0.264992660632175	0.00248436464493546	0.46062562097733
PRAD	NCOR1	cg00253204	0.0616288712170462	503	1.38068795632091	0.167991782400953	0.00379811776748726	0.340995181258481
PRAD	NCOR1	cg08125503	0.120843302331381	503	2.72208694088882	0.00671356626051066	0.0146031037183536	0.031340801735062
PRAD	NCOR1	cg08206308	0.188923851099579	503	4.30193611809889	2.03711792130217e-05	0.0356922215142961	0.000243321897082422
PRAD	NCOR1	cg21211144	0.2017877308151	503	4.6068776276862	5.19356713479227e-06	0.0407182883075072	7.35667082454534e-05
PRAD	NCOR1	cg22291359	0.0885834539637447	503	1.98860392971805	0.0472896026256275	0.00784702831614687	0.138545697166358
PRAD	NCOR1	cg22625220	0.0615696101714875	503	1.37935526095576	0.168401859711823	0.00379081689666894	0.341536427196976
PRAD	NCOR2	cg08976554	-0.193180255944083	503	-4.40257184003225	1.3089389626996e-05	0.0373186112866215	0.000165519502055027
PRAD	NCOR2	cg10641483	-0.0634078459545467	503	-1.42070141912407	0.156026879434663	0.00402055492859553	0.324318790646614
PRAD	NCOR2	cg13416396	-0.170093395665351	503	-3.859646935899	0.000128433658667632	0.0289317632489697	0.00119385446796388
PRAD	NCOR2	cg13419087	-0.113862199146638	503	-2.56270257554193	0.0106777648906966	0.0129646003945087	0.0448642321978823
PRAD	NCOR2	cg13857025	-0.0810616606442834	503	-1.81857861691192	0.0695738612048766	0.00657099282640897	0.183559280966295
PRAD	NCOR2	cg16181859	-0.114773682635161	503	-2.5834901300624	0.0100633601406699	0.0131729982256368	0.0428429397900331
PRAD	NCOR2	cg19895345	0.0147748932019477	503	0.330412721697395	0.741226531812654	0.00021829746912896	0.854392899923449
PRAD	NCOR2	cg23611643	-0.105190646168082	503	-2.365256622436	0.0183983399096666	0.0110650720412587	0.0682732520002198
PRAD	NCOR2	cg24626542	-0.0222790724417475	503	-0.498298886990947	0.618492504723371	0.000496357068864633	0.773606341209528
PRAD	NCOR2	cg25113767	-0.130888927427814	503	-2.95216273355758	0.00330389105879787	0.0171319113232035	0.0177845904392556
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PRAD	ORC1	cg00298020	-0.0613025876541297	503	-1.37335049144602	0.170258910136606	0.00375800725309226	0.343982825231611
PRAD	ORC1	cg02275620	-0.0134773470869865	503	-0.301390015744807	0.763242408541131	0.000181638884503103	0.868348171867808
PRAD	ORC1	cg04407474	0.00521308236548677	503	0.11656964938777	0.907247895468406	2.71762277493491e-05	0.950929408254256
PRAD	ORC1	cg07142859	-0.0401964937667723	503	-0.899547944931417	0.368793886171312	0.00161575811114216	0.5675425757439026
PRAD	ORC1	cg08613513	-0.115786316535564	503	-2.60659230593968	0.00941775997076808	0.0134064710968739	0.0406590792848129
PRAD	ORC1	cg10586599	0.00478892969981565	503	0.107084951424577	0.914764538244452	2.29338476697764e-05	0.954979904025724
PRAD	ORC1	cg13460942	-0.105702196404406	503	-2.37688869823821	0.0178347321683898	0.0111729543247155	0.0666811724086951
PRAD	ORC1	cg16136434	-0.0861147063341155	503	-1.93276314490116	0.0538297633051358	0.00741574264701096	0.152277549329445
PRAD	ORC1	cg16965475	-0.0375386391503656	503	-0.839981527616805	0.401320207704674	0.00140914942926136	0.597895402611743
PRAD	ORC1	cg17146111	-0.167126356598167	503	-3.79036863774582	0.000168776151908291	0.0279312190697777	0.00150553514064369
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PRAD	ORC1	cg21197365	-0.110548820596001	503	-2.48719153249075	0.0132005866073165	0.0122210417351667	0.0529479986867535
PRAD	ORC1	cg23606758	-0.0985510452497911	503	-2.21444830528538	0.0272481752119265	0.00971230851982637	0.0918712149454606
PRAD	ORC1	cg25605769	-0.0568946390427133	503	-1.27426687716285	0.203160778969621	0.00323699995180063	0.387011933157862
PRAD	PADI1	cg14524955	0.0699743394878577	503	1.56851856348348	0.11739276849793	0.00489640818676195	0.266757792683744
PRAD	PADI1	cg21010178	0.0300397972990356	503	0.672013565309913	0.501885453157339	0.000902389421767145	0.685648358449986
PRAD	PADI1	cg22193702	0.0300938406605959	503	0.673223652143705	0.501116063010028	0.000905639245705335	0.684924064968325
PRAD	PADI2	cg00569276	-0.292200415038363	503	-6.83196669756214	2.44220338652643e-11	0.0853810825485917	1.07825635784016e-09
PRAD	PADI2	cg01603374	-0.00919488157184806	503	-0.205612494422106	0.837177302397209	8.4545847120311e-05	0.912867031310317
PRAD	PADI2	cg07014827	-0.157755531661625	503	-3.57225195664043	0.000388170719118964	0.024886807769842	0.00303003741954051
PRAD	PADI2	cg09313801	0.0277940482786451	503	0.62173400720189	0.53440016057309	0.000772509119715655	0.711150140981251
PRAD	PADI2	cg10233913	-0.0677414642787617	503	-1.51823270938337	0.129587760995202	0.00458890598263074	0.285487944009423
PRAD	PADI2	cg15185794	-0.0105274271631957	503	-0.235413473064135	0.813984217001134	0.000110826722676391	0.899884722848258
PRAD	PADI2	cg17183414	-0.0260856514269774	503	-0.583491453714341	0.55982560980566	0.000680461210369767	0.730516867014833
PRAD	PADI2	cg18228326	0.0175486072714644	503	0.392459221966009	0.694886179530583	0.000307953617168093	0.825051689218878
PRAD	PADI2	cg18879300	0.0132762983057766	503	0.296893221379846	0.76667132507127	0.000176260096703967	0.870665094642062
PRAD	PADI2	cg19282714	-0.0155712678765441	503	-0.348226353481428	0.727816761627277	0.000242464383283095	0.846056261827686
PRAD	PADI3	cg01459162	0.100782197835667	503	2.26509113562375	0.0239341829793814	0.0101570514005876	0.0834238017248979
PRAD	PADI3	cg12858514	-0.299358457501938	503	-7.01558843942314	7.47957895029867e-12	0.0896154860779398	3.64121630074803e-10
PRAD	PADI3	cg14664242	0.0092955454242417	503	0.207863695215695	0.835420034872715	8.64071647341409e-05	0.911827125972916
PRAD	PADI3	cg17589397	0.038420278287499	503	0.859738311494537	0.390345327985251	0.00147611778368887	0.587735390970729
PRAD	PADI3	cg18768338	-0.103150467651682	503	-2.31888405181404	0.0208035699820058	0.0106400189767607	0.0750472025587833
PRAD	PADI3	cg21966975	-0.0278453210614227	503	-0.62288183373572	0.533646163614209	0.000775361905013708	0.71069015431744
PRAD	PADI4	cg16091981	-0.190295534771197	503	-4.33433954919584	1.7683646032819e-05	0.0362123905538558	0.000215286629026154

PRAD	PADI4	cg18333690	-0.210074211596258	503	-4.8046150300266	2.05297095628153e-06	0.0441311743777893	3.23297211686165e-05
PRAD	PADI4	cg19159961	0.00299405157314543	500	0.0667481783712334	0.946809021106624	8.96434482265461e-06	0.971587666376055
PRAD	PADI4	cg21295838	-0.196003069128366	503	-4.46945461394831	9.70924245607623e-06	0.038417203107739	0.000127544884773386
PRAD	PADI4	cg23228178	-0.0171341591923899	503	-0.383187699053328	0.701743458140075	0.000293579411230161	0.829168936324412
PRAD	PADI4	cg26918754	-0.190819543250926	503	-4.3467251984624	1.67487824009386e-05	0.0364120980864918	0.000205125122496634
PRAD	PADI6	cg12643633	0.00453203308131813	503	0.10134038119785	0.919320886329801	2.05393238501619e-05	0.957497971055787
PRAD	PADI6	cg16017904	0.0942384940922855	503	2.11665665114812	0.0347823655158559	0.00888089376878174	0.110335155070155
PRAD	PARP1	cg00653565	-0.0299184098376026	503	-0.669295595825536	0.503615859563856	0.000895111247210755	0.686961953954914
PRAD	PARP1	cg02088626	0.108924281925965	503	2.45019955405809	0.0146194134336054	0.0118644991930872	0.0572285336211896
PRAD	PARP1	cg03149313	0.0300560065361488	503	0.672376506295726	0.50165462438554	0.000903363528901021	0.685455436987542
PRAD	PARP1	cg04960271	0.0520904709681262	503	1.16636182864625	0.244024202543702	0.0027134171656812	0.436716253253692
PRAD	PARP1	cg07113065	-0.190966694650185	503	-4.35020401382259	1.64948212059827e-05	0.0364682784656169	0.00020242910883392
PRAD	PARP1	cg17661881	-0.139513417882464	503	-3.1504254532919	0.00172798168927417	0.019463993769247	0.0105540243020644
PRAD	PARP1	cg25722198	-0.0525723699772091	503	-1.17718183508621	0.23968299525772	0.00276385408502056	0.431598406552249
PRAD	PARP1	cg26464410	-0.0174664105809865	503	-0.390620402722258	0.696244214711092	0.000305075498583597	0.825853814732555
PRAD	PARP2	cg01813761	0.0721029199518444	502	1.61486038982241	0.106973019460657	0.00519883106558209	0.249935700261964
PRAD	PARP2	cg10910545	0.0909700469619781	503	2.04262155584902	0.0416138527437502	0.0082755494442645	0.125984902722109
PRAD	PARP2	cg15078479	-0.111827860890766	503	-2.5163304353828	0.0121703732475764	0.0125054704714046	0.049720723475578
PRAD	PARP2	cg15365367	-0.0551935741849424	503	-1.23604998247506	0.217020344815384	0.00304633063130874	0.404361005570224
PRAD	PARP2	cg18899035	0.0222967186276891	484	0.489126814197364	0.624974877159991	0.000497143661562337	0.777983415908476
PRAD	PARP2	cg19540080	-0.0810274065731335	503	-1.81780506382803	0.0696922456735806	0.00656544061596787	0.183765669929517
PRAD	PARP2	cg24595957	-0.118040528707162	503	-2.65804947633636	0.00811113487975863	0.0139335664174663	0.0363102763638543
PRAD	PARP2	cg26206608	-0.0118209827337123	503	-0.264343679295214	0.791624029946916	0.000139735632790725	0.885669970353984
PRAD	PARP2	cg26430074	-0.136225004571734	503	-3.07474672877016	0.00222201805659835	0.018557251870569	0.0129318226000607
PRAD	PAXIP1	cg02824291	-0.00086681235001758	503	-0.0193825206654186	0.984543686298826	7.51363650143001e-07	0.99189844047809
PRAD	PAXIP1	cg12220104	0.0674489767653724	503	1.51164740779182	0.131255327230516	0.00454936446669575	0.288011647154563
PRAD	PAXIP1	cg22583711	0.146192754730564	503	3.30447221435151	0.00101982027853234	0.0213723215357109	0.00682165939364962
PRAD	PAXIP1	cg24448952	-0.108143976354501	503	-2.43243848671903	0.0153473500085218	0.0116951196217629	0.0594350730069169
PRAD	PAXIP1	cg24452135	0.0192568956243362	503	0.430677137497735	0.666888734087383	0.00037082802908658	0.806731850144699
PRAD	PCGF1	cg03203239	-0.0685152979177361	503	-1.53565732998276	0.125254966776964	0.00469434604875613	0.278808689388743
PRAD	PCGF1	cg08092637	-0.0118308707154634	503	-0.264564827679398	0.791453739237545	0.00013996950188601	0.885567463844397
PRAD	PCGF1	cg27306986	-0.0836523662509101	503	-1.87710302346109	0.0610859982656636	0.0069977183793764	0.166776309015197
PRAD	PCGF2	cg09395368	0.0611715799832174	503	1.37040451537832	0.171175599447484	0.00374196219764317	0.345280539928373
PRAD	PCGF2	cg17902383	0.0917878801159759	503	2.06114032866506	0.0398061582483233	0.00842501493618477	0.122070335650034
PRAD	PCGF2	cg20228512	-0.0937198459168818	503	-2.104903968239	0.035798031103762	0.00878340951868406	0.112741880939104
PRAD	PCGF2	cg25377665	-0.0853980721937862	503	-1.91656030898796	0.055863550261956	0.00729283073441513	0.156252436956769
PRAD	PCGF5	cg03905463	0.176562318812412	503	4.01106952626932	6.96817875334629e-05	0.0311742524244159	0.000707125616929065
PRAD	PCGF5	cg06001881	-0.073286299245862	503	-1.64314999223654	0.100980560289254	0.00537088165715403	0.239897444180732
PRAD	PCGF5	cg07421809	-0.0865513675131913	503	-1.9426373747572	0.052621021487089	0.00749113921840351	0.149751234473464
PRAD	PCGF5	cg07424295	0.201436486759371	503	4.59851916058778	5.3974690394144e-06	0.0405766581979584	7.61085202922247e-05
PRAD	PCGF5	cg08633154	0.0573578845430488	503	1.28467627533965	0.199500279800312	0.00328992691925371	0.382289316508239
PRAD	PCGF5	cg11113644	0.0183196871627564	503	0.409709415474505	0.682194591969386	0.00033561093774126	0.816798197550812
PRAD	PCGF5	cg12783297	-0.0230343526797396	503	-0.515200480127403	0.606640627132009	0.000530581403374627	0.764940448125578
PRAD	PCGF5	cg15550435	-0.356348268155505	503	-8.52802716312732	1.77887568303821e-16	0.126984088217427	1.67881226939353e-14
PRAD	PCGF5	cg17001035	0.248182273160104	503	5.72875796716272	1.74905041517524e-08	0.0615944407109166	4.55068989960343e-07
PRAD	PCGF5	cg20515900	-0.0743649483813192	503	-1.66746785932396	0.0960475636394801	0.00553014554775627	0.231376564002781
PRAD	PCGF5	cg22968329	-0.0624321056636339	503	-1.39875299114549	0.162507036583268	0.00389776781759515	0.33315077335515
PRAD	PCGF5	cg23395902	0.0173681379963756	503	0.38842196061647	0.69786912707023	0.000301652217461144	0.826728359955793
PRAD	PCGF5	cg25390656	0.157971124995941	503	3.57725875978329	0.000380996443129841	0.0249548763324834	0.00298361559259541
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PRAD	PCGF6	cg26155979	0.184995878656921	503	4.2092888898264	3.03774796310443e-05	0.0342234751200463	0.00034473897161451
PRAD	PCGF6	cg27217148	0.0409551455277333	503	0.916553895783804	0.359818307860913	0.00167732394519781	0.558660920900746
PRAD	PHC1	cg02770112	-0.0329644913385778	503	-0.737509253736199	0.461158673270106	0.00108665768921117	0.650757323524856
PRAD	PHC1	cg08021945	-0.116830186595306	503	-2.63041572584089	0.00879105829843005	0.013649292499894	0.0386117654284139
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PRAD	PHF1	cg06618123	-0.0164549243201043	503	-0.367993116558919	0.713034099121162	0.00027076453438036	0.836723907246986
PRAD	PHF1	cg06919790	-0.138205414701144	503	-3.12031081540396	0.00191098275847883	0.0191007366527153	0.0114638334911399
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PRAD	PHF1	cg13303256	-0.085566221312199	503	-1.9203618290682	0.0553807065390119	0.00732157822964822	0.155368190068146
PRAD	PHF1	cg13528777	0.0457380904872358	503	1.02380624302704	0.306421870323384	0.00209197292141857	0.504855941291004
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PRAD	PHF11	cg09997676	-0.32191347830146	503	-7.60291423612049	1.44327077891065e-13	0.103628287512145	9.33858533502199e-12
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PRAD	PHF11	cg23137039	-0.10780213884706	503	-2.42465912501626	0.0156761399659855	0.0116213011400008	0.0603611106234346

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PRAD	PHF12	cg02058367	0.0280920481019636	503	0.628405297928221	0.530025405359489	0.000789163166563036	0.708082503415958
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PRAD	PHF14	cg20819769	0.0438903862144132	503	0.982365525236416	0.326394903028385	0.00192636600205035	0.525868594515691
PRAD	PHF14	cg20964328	-0.123650186160776	503	-2.78628452767794	0.00553421705128191	0.0152893685375945	0.0268964493198166
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PRAD	PHF14	cg23083824	-0.24186778751297	503	-5.57381921040377	4.08114359183346e-08	0.0585000266364192	9.75686799579263e-07
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PRAD	PHF19	cg11054680	-0.0516958661612044	492	-1.14469909788979	0.252893794738487	0.00267246257815716	0.446902866880417
PRAD	PHF19	cg11594303	-0.0448574214936514	503	-1.00405311817753	0.3158386624962	0.0020121882630591	0.515032069741798
PRAD	PHF19	cg13501527	0.0810037385007294	503	1.81727057610042	0.0697741404703998	0.00656160565109455	0.183913040718109
PRAD	PHF19	cg13793166	-0.0196101127972036	446	-0.412824512095739	0.679934917987902	0.000384556523919049	0.815329309433833
PRAD	PHF19	cg13851767	-0.405628720480627	503	-9.92314827289157	2.64199069834968e-21	0.164534658878751	3.91487665499838e-19
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PRAD	PHF19	cg14218513	-0.0592539397713063	503	-1.32729049944322	0.185018336099702	0.0035110293784216	0.363586946182843
PRAD	PHF19	cg27207079	-0.400309184180134	503	-9.76798285847137	9.62176323169454e-21	0.160247442938965	1.35600624791023e-18
PRAD	PHF20	cg01512265	-0.138717970629449	503	-3.13210958600301	0.00183725504147631	0.0192426753755526	0.0110916823449176
PRAD	PHF20	cg02674305	-0.154894810877518	503	-3.50586566974401	0.000496080134403889	0.0239924024367821	0.00372474259007974
PRAD	PHF20	cg02957488	0.209211916201783	503	4.78398877620017	2.26513089730656e-06	0.0437696258808217	3.52356714707192e-05
PRAD	PHF20	cg04179482	0.0799784230991768	503	1.79411919820865	0.0733981780120439	0.00639654816143093	0.190897591530505
PRAD	PHF20	cg09692677	-0.212464890967832	500	-4.84725448570516	1.67625190820525e-06	0.0451413298939727	2.70151938982637e-05
PRAD	PHF20	cg10372813	-0.216398742925941	503	-4.95626127252857	9.85472711675155e-07	0.0468284159399274	1.68937558686772e-05
PRAD	PHF20	cg21765224	-0.152141832575061	503	-3.44206500938837	0.000625693713123671	0.0231471372192979	0.00453355358079404
PRAD	PHF20	cg23538717	-0.0587515584704925	503	-1.31599799372798	0.188777732765237	0.0034517456227117	0.36851285757395
PRAD	PHF20	cg23734815	-0.0703817691673566	503	-1.57769668755343	0.115267737879221	0.00495359343112706	0.2632865172841
PRAD	PHF20	cg25561939	-0.0462649357747285	503	-1.03562435550963	0.300878028764691	0.00214044428223975	0.499210983209
PRAD	PHF20	cg27405321	-0.152922124640674	501	-3.45321277317156	0.000601171592612505	0.0233851762046178	0.00438226601159082
PRAD	PHF20L1	cg02898212	0.349384586957787	503	8.33793870317398	7.37807300032274e-16	0.122069589603664	6.35625482820717e-14
PRAD	PHF20L1	cg05307234	-0.0772384933362739	503	-1.73228015082096	0.0838403735832074	0.00596578485285762	0.209895025504668
PRAD	PHF20L1	cg10591701	-0.298246587949166	503	-6.98698200385254	9.00829849077452e-12	0.0889510272233198	4.31256352486962e-10
PRAD	PHF20L1	cg17646969	-0.0028956663153887	503	-0.0647493386720517	0.948399457353578	8.38488341007679e-06	0.972591088537474
PRAD	PHF20L1	cg24511731	0.00429333308148773	503	0.0960027310018289	0.923556868680523	1.84327089485969e-05	0.959803374973999
PRAD	PHF20L1	cg26292018	0.278965642533461	503	6.49573504645047	1.99842151767964e-10	0.0778218297141069	7.52493724813018e-09
PRAD	PHF20L1	cg27342122	-0.0220848790972967	503	-0.493953384933705	0.621556019834656	0.000487741884742213	0.77577578666459
PRAD	PHF21B	cg01775414	-0.0236964377891693	503	-0.530017286069025	0.59633522443275	0.000561521163895971	0.757507959399127
PRAD	PHF21B	cg01995480	-0.0607957535309421	503	-1.36195368105915	0.173825781292689	0.00369612364739505	0.348898364979707
PRAD	PHF21B	cg05064352	-0.0550793197213158	503	-1.23348348054016	0.217974972188146	0.00303373146096293	0.405517606868145
PRAD	PHF21B	cg10080155	-0.0623791791912593	503	-1.39756257195226	0.162864238641445	0.00389116199657524	0.333592522441714
PRAD	PHF21B	cg11428482	-0.0645235628270765	503	-1.4458035151412	0.148858815974042	0.00416329015989968	0.314129707136659
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PRAD	PHF21B	cg15679813	-0.0991404627047306	503	-2.2278236262794	0.0263364283443782	0.00982883134530807	0.0895853129262158
PRAD	PHF21B	cg20495645	-0.0725788881394722	503	-1.62720474426133	0.104323598109319	0.00526769500356202	0.245522613562739
PRAD	PHF21B	cg20525183	-0.00910802290030455	503	-0.203670031466094	0.838694227317502	8.29560811524721e-05	0.913698406530171
PRAD	PHF21B	cg21715212	0.0163454651871992	503	0.365544548128427	0.71485954966085	0.000267174232185942	0.837841624521711
PRAD	PHF21B	cg23080354	-0.031439550289756	503	-0.703357417415922	0.482160417272314	0.000988445322422096	0.669233291130502

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PRAD	PHF21B	cg25976257	-0.0465838371892219	503	-1.04277832314544	0.297554889979743	0.00217005388727193	0.495668154964687
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PRAD	PHF23	cg01441172	0.0891180105645891	503	2.00069993305913	0.045964892410738	0.00794201980699022	0.135687444384051
PRAD	PHF23	cg04379155	-0.218390075275621	503	-5.00414276286253	7.78542195352409e-07	0.0476942249788915	1.36841191923284e-05
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PRAD	PHIP	cg01492710	0.280093995616981	503	6.52424066672849	1.677771873878629e-10	0.0784526463806856	6.42938185049953e-09
PRAD	PHIP	cg04480383	-0.286711888442699	503	-6.69202498548543	5.91823169991745e-11	0.0822037069743785	2.44634918630913e-09
PRAD	PHIP	cg05801338	-0.35116524978106	503	-8.38639377901766	5.14542553263966e-16	0.123317032653794	4.51277603028376e-14
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PRAD	PHIP	cg21607066	0.198250557471306	503	4.52278836437984	7.63051182933676e-06	0.0393032835376836	0.000103165536936718
PRAD	PHIP	cg21875336	-0.273987724183382	503	-6.37032373661077	4.2828545160571e-10	0.0750692730031888	1.51239393655082e-08
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PRAD	PHRF1	cg06063517	-0.0664291279065689	503	-1.48868875301054	0.137199779054856	0.00441282903442729	0.297117709386884
PRAD	PHRF1	cg07530960	-0.126179910216213	503	-2.84420120259508	0.00463472253483752	0.0159213697421715	0.0233302431791084
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PRAD	PHRF1	cg12469954	-0.113232030966234	503	-2.54833461543961	0.0111217656441917	0.0128214928367381	0.046318872561669
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PRAD	PPARGC	cg04893087	-0.0606570980804954	503	-1.35883602134894	0.174811204154148	0.00367928354754684	0.350267860832352
PRAD	PPARGC	cg05158538	-0.284960971775949	503	-6.64753363250794	7.81774044567068e-11	0.0812027554354934	3.18415340434819e-09
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PRAD	PPARGC	cg12691631	-0.217620199325826	503	-4.985623390363	8.53043491977885e-07	0.0473585511546124	1.48692954100219e-05
PRAD	PPARGC	cg20723350	-0.187137787959924	503	-4.25978286037863	2.44549593223974e-05	0.0350205516825335	0.000285481558452368
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PRAD	PPARGC	cg27514608	-0.0939925757471439	503	-2.11108387063422	0.035260845595353	0.00883460429558258	0.111453040071709
PRAD	PRDM1	cg00555933	-0.0708010764066567	503	-1.58714320473625	0.113112371290934	0.00501279242034124	0.260169824735584
PRAD	PRDM1	cg01761420	0.0245762165738089	503	0.549706942826385	0.582765838654942	0.000603990421082759	0.747879141066704
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PRAD	PRDM1	cg17965230	-0.0272833452180286	503	-0.610301336235011	0.541939496850863	0.000744380926286126	0.716708167040936
PRAD	PRDM1	cg19464016	0.0539633213229239	503	1.20841731028582	0.227457976912975	0.00291204004820113	0.417115314128707
PRAD	PRDM1	cg22186515	0.070596738333091	503	1.58253959406295	0.114158742503333	0.00498389946327092	0.261571195049019
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PRAD	PRDM1	cg24040346	0.0868359234447693	503	1.94907265166825	0.0518455681092458	0.00754047760050583	0.148153330675637
PRAD	PRDM1	cg24793124	0.00236415548753372	503	0.052864271530569	0.957861165657	5.58923116923579e-06	0.977774138028543
PRAD	PRDM1	cg24874254	-0.0208443292356577	503	-0.466194659707224	0.64127920304524	0.000434486061284496	0.789267819017475
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PRAD	PRDM10	cg17627813	-0.00145060620452163	503	-0.0324365749464182	0.974136839110966	2.10425836059664e-06	0.986487910203053
PRAD	PRDM12	cg09191327	0.104530782376964	503	2.35025486630699	0.0191482674706968	0.0109266844643403	0.0703547121152122

PRAD	PRDM12	cg12539975	0.113689336986271	503	2.55876097270514	0.010797967632947	0.0129252653443778	0.0452715671139743
PRAD	PRDM12	cg13795948	0.262309373139074	503	6.07825303440326	2.41230210562468e-09	0.0688062072366139	7.44102418734998e-08
PRAD	PRDM12	cg13928649	0.284611715295795	503	6.63866759793963	8.26218170560872e-11	0.0810038284836145	3.35288556915037e-09
PRAD	PRDM12	cg23342516	0.111140259496761	503	2.50066403992715	0.0127150193194676	0.0123521572810074	0.0514754482170412
PRAD	PRDM13	cg00126261	0.222982477755072	503	5.11481836087286	4.48258175077254e-07	0.0497211853857911	8.36254112037407e-06
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PRAD	PRDM13	cg01422797	0.202416309955125	503	4.62184039612988	4.84688856445116e-06	0.0409723625358491	6.92740857951338e-05
PRAD	PRDM13	cg01815538	0.103637293309023	503	2.32994672468555	0.0202060864525386	0.0107406885644204	0.0733921136188619
PRAD	PRDM13	cg02400433	0.0547908057680992	503	1.22700279779728	0.220398969960105	0.00300203239671757	0.408599266578381
PRAD	PRDM13	cg03120185	0.140536722495683	503	3.17399708836132	0.00159617219619044	0.0197505703698286	0.00989870921106504
PRAD	PRDM13	cg04910970	0.148396845039792	503	3.3554057449785	0.000852751670970022	0.0220216236177642	0.00588059245558389
PRAD	PRDM13	cg11809464	0.207548519118037	503	4.74423295190965	2.73513925518148e-06	0.0430763877880901	4.17128843790606e-05
PRAD	PRDM13	cg13738144	0.126705135540347	503	2.85623298290404	0.00446540521881952	0.0160541913722976	0.0226587785267005
PRAD	PRDM13	cg14344102	0.106210533095202	503	2.38844959205761	0.0172896642844052	0.011280677340367	0.0650968997841939
PRAD	PRDM13	cg17879189	0.165730773438747	503	3.75781950728811	0.000191613319283914	0.0274666892646052	0.00167386978326037
PRAD	PRDM13	cg17978124	0.15547489869067	503	3.51931990442597	0.00047216803310749	0.024172444122874	0.00357313618361518
PRAD	PRDM13	cg25273233	0.206301949075799	503	4.71446766679843	3.14710852349319e-06	0.0425604941924736	4.71635832164572e-05
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PRAD	PRDM13	cg26507427	0.183826662232826	503	4.18175171516317	3.41599518762319e-05	0.0337922417476616	0.000381925739617647
PRAD	PRDM14	cg00384539	0.0257187699025633	503	0.575279470247761	0.565361089652712	0.000661455125300996	0.734768174203608
PRAD	PRDM14	cg01295203	0.00868943023244881	503	0.194308902756672	0.846012935185371	7.55061977645954e-05	0.917764534245465
PRAD	PRDM14	cg04838988	0.05988178621691	503	1.34140462917993	0.180398062925412	0.00358582832052772	0.357531807247332
PRAD	PRDM14	cg09050331	-0.0606154418992119	503	-1.35789939997536	0.175108064777427	0.00367423179663674	0.350693975679518
PRAD	PRDM14	cg10457247	0.0224981976583181	503	0.503202362164363	0.61504359825414	0.000506168897872749	0.770987313404705
PRAD	PRDM14	cg11229513	0.00715391671300518	503	0.159970534336833	0.872968889000243	5.11785243366148e-05	0.932702437520586
PRAD	PRDM14	cg13267264	0.0348293260980844	503	0.779280216475527	0.436183343597953	0.0012130819564467	0.629275949629271
PRAD	PRDM14	cg18035229	0.0425650072566326	503	0.952645880430264	0.341229816699633	0.00181177984275718	0.540479127768121
PRAD	PRDM14	cg21255438	0.0191329885013109	503	0.427904958036905	0.668904561070931	0.000366071248991294	0.807961515782191
PRAD	PRDM14	cg27029821	0.0433833207786017	503	0.970994734535737	0.332020379348709	0.00188211252177906	0.531727466054296
PRAD	PRDM4	cg00090609	0.000739935910848529	503	0.0165454744858722	0.986805823588523	5.47505152163242e-07	0.993073648373874
PRAD	PRDM4	cg03909902	-0.0590611343962062	503	-1.32295650914682	0.18645454504235	0.00348821759616672	0.365421597143765
PRAD	PRDM4	cg12900929	0.12506383918729	503	2.81864247681346	0.00501389723763962	0.0156409638722644	0.0248218863246109
PRAD	PRDM4	cg18440127	0.00884668638427788	503	0.197825662760129	0.843261866712519	7.82638599817677e-05	0.916260609108509
PRAD	PRDM4	cg25995916	0.0809765504091153	503	1.81665660084002	0.0698683122051346	0.00655720171615999	0.184130068081108
PRAD	PRDM4	cg27140793	0.172761758458825	503	3.92204361259806	0.000100066713944282	0.0298466251857855	0.000964394195314848
PRAD	PRDM5	cg05713693	-0.10820150030234	503	-2.43374767279376	0.015292620691717	0.0117075646676772	0.0592910109190846
PRAD	PRDM5	cg06329345	-0.508541197518813	503	-13.2065383547901	2.26224286429581e-34	0.258614149573868	7.52089407628325e-32
PRAD	PRDM5	cg07070341	-0.416789749639597	503	-10.2526646972699	1.62531388327407e-22	0.173713695404638	2.67314309165799e-20
PRAD	PRDM5	cg10416963	-0.552109484265056	503	-14.8068644398757	2.14692196335539e-41	0.304824882615426	9.12664738892182e-39
PRAD	PRDM5	cg11171429	-0.475671725569198	503	-12.0919355166826	1.04780184968331e-29	0.226263590505978	2.84016366182103e-27
PRAD	PRDM5	cg13155001	-0.216236174330165	503	-4.95235519382174	1.0045203602822e-06	0.0467580830889456	1.71710957828595e-05
PRAD	PRDM5	cg18181323	-0.419193610268293	503	-10.3243600086877	8.79252531851083e-23	0.175723282889766	1.48053184984466e-20
PRAD	PRDM5	cg19294653	-0.433473863662058	503	-10.7558083243849	2.06084441461966e-24	0.187899590478112	3.98809279579408e-22
PRAD	PRDM5	cg22135105	-0.474661652101794	503	-12.0587808697033	1.43153120839778e-29	0.225303683976004	3.84015651124473e-27
PRAD	PRDM8	cg01304890	-0.449628949309813	503	-11.2559731874561	2.36669716475146e-26	0.202166192057446	5.30590314797334e-24
PRAD	PRDM8	cg02895669	-0.223730709504745	503	-5.13288423938396	4.09238474359974e-07	0.0500554303754966	7.70108801992254e-06
PRAD	PRDM8	cg04343891	-0.451702229307315	503	-11.3211416469876	1.31093021695697e-26	0.204034903961198	2.97325088332217e-24
PRAD	PRDM8	cg05007549	-0.287235739561662	503	-6.7053503812501	5.44327350564914e-11	0.0825043700815347	2.26324970122111e-09
PRAD	PRDM8	cg07462804	0.0243929388438456	503	0.545605040129957	0.585580777892679	0.00059501546543959	0.750032395271499
PRAD	PRDM8	cg08074201	-0.186671260330787	503	-4.24877947330073	2.56431739051283e-05	0.0348461594334843	0.000297610781855222
PRAD	PRDM8	cg10695325	-0.252725598704223	503	-5.84071758711347	9.36988545576051e-09	0.063870228240408	2.57478230005451e-07
PRAD	PRDM8	cg11571772	0.00947117223541508	503	0.211791348833647	0.832356120255578	8.97031035128975e-05	0.910043315379006
PRAD	PRDM8	cg12572049	-0.249290578830764	503	-5.75603203920909	1.50371708368969e-08	0.0621457926937771	3.96274277806762e-07
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PRAD	PRDM8	cg18624348	-0.0678508515309937	503	-1.52069564382734	0.128968339700186	0.00460373805348096	0.284518135684322

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PRAD	PRKAA1	cg00301775	-0.346124003510342	503	-8.24947838416444	1.41899950865048e-15	0.119801825806028	1.18443828085789e-13
PRAD	PRKAA1	cg01883943	-0.252290899304427	502	-5.82415483373483	1.0294193470967e-08	0.0636506978718364	2.80794700869709e-07
PRAD	PRKAA1	cg03125217	0.115300845181454	503	2.59551576504586	0.00972252545717678	0.0132942848995577	0.0416722090689513
PRAD	PRKAA1	cg05874655	0.206372923797818	503	4.71616173796692	3.12214055730887e-06	0.0425897836768601	4.68345164896426e-05
PRAD	PRKAA1	cg06971720	0.0738139181976901	503	1.65504429590734	0.0985430185272687	0.00544849451969529	0.235646612053066
PRAD	PRKAA1	cg10786880	0.0304272065506364	503	0.68068819072443	0.496383896024148	0.000925814898475089	0.681112775505821
PRAD	PRKAA1	cg24728477	0.0728494298252283	503	1.63330253808196	0.103034885964506	0.00530703942586086	0.243324739370021
PRAD	PRKCD	cg02121118	-0.0100316907000761	503	-0.22432671116913	0.822594730810821	0.000100634818301993	0.904623805307196
PRAD	PRKCD	cg02559423	-0.0003829369624544	503	-0.0085627321748666	0.993171426991729	1.46640743093481e-07	0.996437637722882
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PRAD	PRKCD	cg13908523	-0.0330213430786341	503	-0.738782575803723	0.460385682388704	0.00109040909871686	0.650169621605251
PRAD	PRKCD	cg14727059	-0.0556265854852635	503	-1.24577717308226	0.213429640674858	0.00309431701274933	0.399892713551539
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PRAD	PRMT1	cg07702240	-0.104129619965539	503	-2.34113612437557	0.019617089237002	0.0108429777541676	0.0717519319245537
PRAD	PRMT1	cg08377944	0.0187159708949287	503	0.418575149115973	0.675706386847182	0.000350287566539817	0.812543979228896
PRAD	PRMT1	cg111787855	-0.0260131054396226	503	-0.581867623577582	0.560918096755391	0.000676681654612924	0.73148013295136
PRAD	PRMT1	cg14258555	-0.120285822045405	503	-2.70934448126945	0.00697299972011868	0.0144686789851389	0.0323025987153524
PRAD	PRMT1	cg14576628	-0.0832058814880808	503	-1.86701416993379	0.0624845943108141	0.00692321871420855	0.169582441671405
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PRAD	PRMT1	cg24228123	-0.151500458493925	503	-3.42721291499357	0.00066009775837464	0.0229523889238694	0.00474599306977788
PRAD	PRMT1	cg25595446	-0.168888299250106	503	-3.8314958589075	0.000143582701473896	0.0285232576235933	0.00131132574295143
PRAD	PRMT1	cg26846726	-0.00931202625813073	503	-0.208232265719122	0.835132410221833	8.67138330321162e-05	0.911708382474089
PRAD	PRMT2	cg04493422	-0.0914148245371127	503	-2.05269244872546	0.0406223288827286	0.00835667014515111	0.12372943318989
PRAD	PRMT2	cg06725035	0.0240797554145993	503	0.538595870793994	0.59040543335619	0.000579834620826922	0.75334602221676
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PRAD	PRMT2	cg12162201	-0.0971253794646169	503	-2.18210617001177	0.0295664547985201	0.00943333933614583	0.0976213667176684
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PRAD	PRMT3	cg06578097	-0.153456103816477	503	-3.47251309778919	0.000560329555911336	0.0235487757985333	0.00412727719682872
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PRAD	PRMT3	cg13982511	0.023385484294306	503	0.523058370557881	0.601165343142383	0.000546880875679234	0.760949896766168
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PRAD	PRMT3	cg23071995	0.0455066650300538	503	1.01861521396598	0.308878293330616	0.00207085656215752	0.507512512987488
PRAD	PRMT6	cg00944433	-0.225493388694684	503	-5.17548154599732	3.29804748539192e-07	0.0508472683450118	6.33814985371984e-06
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PRAD	PRMT6	cg09367891	-0.131883717509893	503	-2.97499558371965	0.00307163411048349	0.0173933149442294	0.0167758146581685
PRAD	PRMT6	cg14671364	-0.0502147892074946	503	-1.12425513482574	0.261444251016578	0.00252152505515312	0.456799210204584
PRAD	PRMT6	cg14828511	-0.0640613991727137	503	-1.43540481314004	0.151797026832	0.00410386286396576	0.318266556299516
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PRAD	PRMT7	cg00894222	-0.0857924953098961	503	-1.92547769903171	0.0547364333974641	0.00736035225149854	0.154136179675752
PRAD	PRMT7	cg02477175	-0.0748983557045402	503	-1.67949555937992	0.0936802034591264	0.00560976368724383	0.227298202913076
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PRAD	PRMT7	cg09175928	-0.106598676010194	503	-2.3972782426417	0.0168833376365752	0.0113632777271263	0.0638917336235701
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PRAD	PRMT7	cg10233539	-0.0258927458035678	503	-0.579173578873128	0.562732887021052	0.000670434285248177	0.73287230518409
PRAD	PRMT7	cg10446007	-0.0670043425007783	503	-1.50163729998287	0.133822043848834	0.00448958191396161	0.291906462516155
PRAD	PRMT7	cg11893236	-0.140845922559376	503	-3.18112149303547	0.00155819946097867	0.0198375739016016	0.00969903735536686
PRAD	PRMT7	cg19328639	-0.0955933231425981	503	-2.14736560781407	0.0322442837277781	0.00913808342944519	0.104169925594633
PRAD	PRMT7	cg21918026	0.11149637914881	503	2.50877745880508	0.0124303107837528	0.0124314425632952	0.0505358556107273
PRAD	PRMT7	cg26492318	-0.211186065722485	503	-4.83122809336107	1.80737229517019e-06	0.0445995543553417	2.88889912328888e-05
PRAD	PRMT7	cg26561196	-0.0710419851216682	503	-1.59257098737843	0.111888424248478	0.00504696365002733	0.258015700390715
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PRAD	PRMT8	cg01693063	-0.023425853283899	503	-0.523961790880318	0.600537287545292	0.000548770602078759	0.760591170369433
PRAD	PRMT8	cg06029846	0.0271036231035814	503	0.606278165779374	0.54460520253097	0.000734606385340992	0.718742642228756
PRAD	PRMT8	cg07912789	-0.0337571533001935	503	-0.755263346161289	0.450446605511286	0.00113954539893277	0.641255411725378
PRAD	PRMT8	cg10350722	-0.0677318481501887	503	-1.51801619780689	0.129642323669322	0.00458760325384022	0.285560413520584
PRAD	PRMT8	cg11596580	0.0148469288973638	503	0.332024018975648	0.740010258298699	0.000220431297683376	0.853610682434854
PRAD	PRMT8	cg19656577	0.0325057742119675	503	0.727235517280833	0.467422055956463	0.00105662535711941	0.656507391873277
PRAD	PRMT8	cg21667836	0.0124277551029794	503	0.277914514831488	0.781192861659014	0.000154449096899631	0.879121559128655
PRAD	PRMT8	cg23739862	-0.0215680139468675	503	-0.482387664659861	0.629741688324666	0.000465179225612272	0.781553609455978
PRAD	PRMT8	cg24100636	-0.00304660942656572	503	-0.0681245739479826	0.945713702384381	9.28182899803908e-06	0.970976003210908
PRAD	PRMT8	cg27316886	-0.00692812173120413	503	-0.15492122954031	0.876945934056564	4.79988707223829e-05	0.934878822561883
PRAD	PWWP2E	cg00259755	-0.213994051538387	503	-4.89852701738291	1.30608898660183e-06	0.0457934540938139	2.16771771102841e-05
PRAD	PWWP2E	cg05010219	-0.115488867757019	503	-2.59980547427376	0.00960346540204798	0.0133376785757982	0.0412735201086636
PRAD	PWWP2E	cg15012692	-0.124007850069928	503	-2.79446967438203	0.00539817329220628	0.0153779468789658	0.0263718596517141
PRAD	PWWP2E	cg15278699	-0.295469078320965	503	-6.91565762673386	1.42851824864066e-11	0.0873019762438408	6.59134926659259e-10
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PRAD	PWWP2E	cg22633292	-0.0267795712464717	503	-0.59902424943081	0.549428015629975	0.000717145436144855	0.7223871526487
PRAD	PWWP2E	cg22664157	0.129475745552826	503	2.91974235561277	0.0036612889594385	0.0167639686864601	0.0193194270711903
PRAD	PWWP2E	cg24520806	-0.103575797766987	503	-2.32854920086261	0.0202807270008077	0.0107279458830678	0.0735967402099001
PRAD	PYGO1	cg06364757	-0.211219743037047	503	-4.83203449081164	1.80039133751212e-06	0.044613779848636	2.87892381727477e-05
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PRAD	PYGO1	cg11480800	-0.1943199185262	503	-4.42956083633417	1.16082417318142e-05	0.0377602307360291	0.000149215392809774
PRAD	PYGO1	cg12686317	-0.103299106431833	503	-2.32226155467761	0.0206195372858216	0.0106707053896152	0.0745573804887855
PRAD	PYGO1	cg13878116	0.166317496793699	503	3.77150079155676	0.000181680386682572	0.0276615097397222	0.00159955228628158
PRAD	PYGO1	cg17841803	-0.120994591680557	503	-2.72554544792307	0.00664466979533782	0.0146396912159446	0.0310833098050818
PRAD	PYGO1	cg19850348	-0.10283122308243	503	-2.31163042260916	0.0212036643799839	0.0105742604406284	0.0761409650469197
PRAD	PYGO1	cg22510134	0.141606262320259	503	3.19864483513219	0.00146832284057613	0.020052333528314	0.00923417195309452
PRAD	PYGO1	cg23030278	-0.171305764993987	503	-3.88798590291309	0.000114718150714647	0.0293456651201752	0.00108397714280277
PRAD	PYGO1	cg23412777	-0.0169412044198182	503	-0.378871219790838	0.704944325164519	0.000287004407194067	0.831604843636347
PRAD	PYGO1	cg25902187	-0.15397353775747	503	-3.48450580197038	0.000536381153715189	0.0237078503295511	0.00397894874340797
PRAD	PYGO2	cg01277844	0.0662133201019195	503	1.48383112961787	0.138483808760728	0.00438420375891926	0.298965156618069
PRAD	PYGO2	cg02341811	-0.0410134005431431	503	-0.917859806475258	0.359134796508415	0.00168209902411229	0.558078629690697
PRAD	PYGO2	cg04602755	-0.25967199851778	503	-6.01269669545364	3.52360891207929e-09	0.0674295468142179	1.04984922139524e-07
PRAD	PYGO2	cg10892866	-0.0620230630513674	503	-1.38955313532647	0.165283040769613	0.0038468603502739	0.337259773734591
PRAD	PYGO2	cg14024356	0.00305304873540162	503	0.0682685632797965	0.945599140192838	9.32110658073742e-06	0.970938700936395
PRAD	PYGO2	cg18188585	-0.119389431041594	503	-2.68886090622534	0.00740901017427084	0.0142538362444355	0.0338626718463795
PRAD	PYGO2	cg24683561	-0.103551091127642	503	-2.32798773496712	0.0203107822831811	0.0107228284737251	0.0736795055694937
PRAD	PYGO2	cg27105205	-0.11092239985263	503	-2.49570105846463	0.0128920157427229	0.0123037787890666	0.0520106769138955
PRAD	RBBP4	cg05797186	-0.0870174846615504	503	-1.95317893808321	0.0513557881686465	0.00757204263682317	0.147129446541785
PRAD	RBBP4	cg06526778	0.0478459733223605	503	1.07109518588967	0.284643372930459	0.00228923716316403	0.481940809921043
PRAD	RBBP4	cg09036220	0.0576513008420956	503	1.29126994195221	0.197206734387468	0.00332367248878581	0.379448954884585
PRAD	RBBP4	cg11229946	0.156136534331501	503	3.53467006961888	0.000446204924826719	0.024378617353052	0.00340607730627728
PRAD	RBBP4	cg13641837	-0.159268744839908	502	-3.60379576238421	0.000345066869295378	0.0253665330828797	0.00274760819139863
PRAD	RBBP4	cg16148416	0.122398422941997	503	2.75764655883953	0.00603497349132759	0.0149813739386881	0.0287992103904023
PRAD	RBBP4	cg16396527	-0.119596079928271	503	-2.69358247959831	0.00730638723706717	0.0143032223342094	0.0334959684554425
PRAD	RBBP4	cg18758482	0.186447112767645	503	4.24349385278022	2.62333419880736e-05	0.034762525859391	0.000303328865431064
PRAD	RBBP4	cg20740619	0.237085441091977	503	5.45697656345311	7.63403259301328e-08	0.0562095063777772	1.70459796653523e-06

PRAD	RBBP4	cg22358606	0.122715433125688	500	2.75659070844773	0.00605549401599003	0.0150590775272251	0.028882961464128
PRAD	RBBP4	cg22857567	0.0562158183388913	500	1.25901486724183	0.20861243130594	0.00316021823151123	0.393797260589442
PRAD	RBBP4	cg23016766	0.0590272201036862	500	1.322194179521	0.186708020013624	0.00348421271316902	0.36572488251139
PRAD	RBBP4	cg26131911	-0.00564484118604712	500	-0.126224497181271	0.899604960314708	3.18642320156939e-05	0.947058951536246
PRAD	RBBP5	cg00960017	-0.20849056654479	500	-4.76674293628714	2.45858666619183e-06	0.0434683163381676	3.78664207304945e-05
PRAD	RBBP5	cg02189925	0.319603609680599	500	7.54212854349502	2.19635115135189e-13	0.102146467320868	1.37460129902066e-11
PRAD	RBBP5	cg03143531	-0.192419165822509	500	-4.38455834951206	1.41768214736884e-05	0.0370251353758301	0.000177492207382852
PRAD	RBBP5	cg05290904	-0.107708013145073	500	-2.42251721373196	0.0157677509121553	0.0116010160956592	0.0606345237004551
PRAD	RBBP5	cg07601985	0.289775121016644	500	6.77003882996627	3.61968966374308e-11	0.0839696207602109	1.55231608435077e-09
PRAD	RBBP5	cg07972983	0.128384297663554	500	2.89471540270996	0.00396092119937895	0.016482527886564	0.0206083402745108
PRAD	RBBP5	cg14717946	-0.0218050352632178	500	-0.487691363548929	0.625982236990882	0.00047545956283017	0.778748308144309
PRAD	RBBP5	cg18131828	-0.195704417685922	500	-4.46237303735185	1.00230425766345e-05	0.0383002191017857	0.000131157708024677
PRAD	RBBP5	cg21214746	-0.131139405585458	500	-2.95791095849399	0.00324395519854511	0.0171975436973074	0.017540852903011
PRAD	RBBP5	cg23227967	0.075754345655386	500	1.69880014815419	0.0899789193125487	0.0057387208856757	0.220738803387745
PRAD	RBBP5	cg24103461	-0.119730423415878	500	-2.69665218881536	0.0072403554223117	0.0143353742913454	0.0332795397177735
PRAD	RBBP5	cg26795850	-0.0375368485275334	500	-0.839941403295237	0.401342684136986	0.00140901499737898	0.597917437851942
PRAD	RBBP7	cg01947226	-0.0570607896021802	500	-1.27800028239273	0.201842313422158	0.00325593371002428	0.385240808890634
PRAD	RBBP7	cg03048084	0.0153257834409133	500	0.342735188945594	0.731941725205516	0.000234879638077771	0.848628686343535
PRAD	RBBP7	cg03171708	0.129760325722411	500	2.92626956266574	0.00358661798101845	0.0168377421315862	0.0190014545910753
PRAD	RBBP7	cg03811055	0.00139554215166914	500	0.0312053015527536	0.975118263994606	1.94753789708533e-06	0.986916504855281
PRAD	RBBP7	cg07096248	0.0445603716107404	500	0.997390915309532	0.319057235424628	0.00198562671808728	0.518459676914891
PRAD	RBBP7	cg08363715	-0.0221602172280464	500	-0.495639234200004	0.620366735754531	0.000491075227594205	0.774913050005427
PRAD	RBBP7	cg14719055	0.00409931198530596	500	0.0916641727832952	0.927001575610705	1.68043587528731e-05	0.961483612813065
PRAD	RBBP7	cg15289846	0.00722272120209096	500	0.161509168740045	0.871757630780343	5.21677015631342e-05	0.931981710513365
PRAD	RBBP7	cg15464143	0.0465633519028439	500	1.04231876378263	0.297767620699776	0.00216814574042808	0.495890529075811
PRAD	RBBP7	cg16978043	-0.024158574940983	500	-0.540359868027059	0.589189485207161	0.000583636743179093	0.752489508623787
PRAD	RBBP7	cg17878446	-0.00636893986281538	500	-0.142416713260621	0.886808230605042	4.05633949761588e-05	0.93987266683967
PRAD	RBBP7	cg17880859	-0.0087825812444432	500	-0.196392061177396	0.844383105781155	7.71337333152455e-05	0.916853085786016
PRAD	RBBP7	cg21122900	0.0636868875801924	500	1.42697896683433	0.154210117868014	0.00405601964965207	0.321642498509955
PRAD	RING1	cg01241018	-0.051298153459062	500	-1.14857381437301	0.251280938091703	0.00263150054830947	0.444923281543745
PRAD	RING1	cg01878788	0.0840952132312589	500	1.88711080155143	0.0597244352760107	0.00707200488841091	0.164118756617583
PRAD	RING1	cg02475416	-0.0553209028767581	500	-1.23891022863205	0.215960015922655	0.0030604022950997	0.403177189313344
PRAD	RING1	cg03037740	-0.116875703511323	500	-2.63145472286356	0.00876459728157786	0.0136599300712667	0.0385151150044099
PRAD	RING1	cg06316695	-0.0190207892928136	500	-0.425394737277151	0.670731969226407	0.000361790425321614	0.809224750433912
PRAD	RING1	cg06671577	-0.158762449849922	500	-3.59564049070191	0.000355709146916257	0.025205515482349	0.00281821340006144
PRAD	RING1	cg07946923	0.02567661498725	500	0.574335923202387	0.565998795529905	0.000659288557203472	0.735146027729748
PRAD	RING1	cg08892712	-0.066511474501203	500	-1.49054234988927	0.13671224729311	0.00442377624032417	0.296349547646016
PRAD	RING1	cg09478665	0.0256478780888437	500	0.573692711342328	0.566433715244388	0.00065781365046019	0.735411880100167
PRAD	RING1	cg09724776	-0.244695870987521	500	-5.64311745113608	2.80045222664968e-08	0.0598760692783414	6.96478198593304e-07
PRAD	RING1	cg09832551	-0.114147912423718	500	-2.56921792659995	0.0104816884423064	0.0130297459106929	0.0442039959606678
PRAD	RING1	cg09869033	-0.160761075804515	500	-3.64209842931258	0.00029863783321157	0.0258441234938252	0.00243473397577666
PRAD	RING1	cg10265934	-0.00082043444158168	500	-0.0183454779988751	0.985370565547737	6.73112672933444e-07	0.992381657581867
PRAD	RING1	cg12065531	0.216388097743151	500	4.95600548467301	9.86709293886303e-07	0.0468238088448994	1.69112277613111e-05
PRAD	RING1	cg12115664	-0.138307316858339	500	-3.12265634611113	0.00189611255602369	0.0191289138965529	0.0113895591215587
PRAD	RING1	cg12256228	-0.120581428904961	500	-2.71610091290594	0.00683433667464891	0.0145398809967622	0.0317946649484295
PRAD	RING1	cg14046664	0.169270658133447	500	3.84042584768139	0.000138603329670436	0.0286525557049303	0.00127317362479418
PRAD	RING1	cg14363494	0.265678760611351	500	6.15605254892074	1.53411150589197e-09	0.0705852038399833	4.90323214828923e-08
PRAD	RING1	cg18189601	0.0477466917303818	500	1.06886755285635	0.285645103443175	0.00227974657119611	0.482897085365373
PRAD	RING1	cg20505183	-0.131265873639859	500	-2.96081349363584	0.00321406996642238	0.0172307295824355	0.0174315803722539
PRAD	RING1	cg24536938	-0.0459157305145898	500	-1.02779094064655	0.304545122429925	0.00210825430868843	0.503069474583405
PRAD	RING1	cg24550302	-0.0192180665681581	500	-0.429808411202802	0.667520181309924	0.000369334082618156	0.807165496735092
PRAD	RNF17	cg00202166	-0.409404840713797	500	-10.0340244426863	1.04063875828472e-21	0.167612323599889	1.59048038432223e-19
PRAD	RNF17	cg01405147	0.051600018756512	500	1.15535061727062	0.248498688174855	0.00266256193567239	0.441847388642226
PRAD	RNF17	cg07131398	-0.141384208943662	494	-3.16465438127697	0.00164902712727513	0.019989494538625	0.0101633215384153
PRAD	RNF17	cg12020676	-0.105005658637408	500	-2.36105068243507	0.0186059459163188	0.0110261883458759	0.0688612534164078
PRAD	RNF17	cg14855529	-0.0544223867120344	500	-1.21872771175036	0.223522245782862	0.00296179617543422	0.412396290488129
PRAD	RNF17	cg15523998	-0.122680731761592	500	-2.76410407727606	0.00591861243481833	0.0150505619455597	0.0283727221933853

PRAD	RNF17	cg17806989	-0.432317850247211	503	-10.7205199300687	2.81131572103011e-24	0.18689872364237	5.36037978435824e-22
PRAD	RNF17	cg20477497	-0.183074651248677	503	-4.16405020412198	3.68239415771547e-05	0.0335163279298247	0.00040720422331957
PRAD	RNF17	cg21831927	0.00565221357006621	503	0.126389356589411	0.899474533907331	3.19475182416406e-05	0.946955706795004
PRAD	RNF17	cg23678722	-0.119466345015936	503	-2.69061821744442	0.0073706646421422	0.0142722075914668	0.0337210941643619
PRAD	RNF17	cg24753530	-0.243581315752157	503	-5.61578866811657	3.25032966497393e-08	0.0593318573835522	7.9305963549598e-07
PRAD	RNF20	cg04845236	-0.0382396043861186	503	-0.855689400608503	0.392579465105821	0.00146226734360686	0.589467803675782
PRAD	RNF20	cg14625770	0.165952947772202	503	3.76299971096707	0.000187793622119486	0.0275403808742832	0.00164592350598956
PRAD	RNF20	cg21219529	0.130471183044072	503	2.94257719386901	0.00340609205867028	0.0170227296049198	0.0182384756824163
PRAD	RNF217	cg00991794	-0.277988505186686	503	-6.47107317242475	2.32378582922821e-10	0.0772776090159283	8.63798340628431e-09
PRAD	RNF217	cg02312409	-0.281431438665154	503	-6.55806655013706	1.3621569392356e-10	0.0792036546691386	5.29209101692438e-09
PRAD	RNF217	cg03113502	-0.222468553330381	503	-5.10241529072538	4.77105976938925e-07	0.0494922572209127	8.83924324124475e-06
PRAD	RNF217	cg06993703	-0.306956124073006	503	-7.21191227559838	2.05420113789362e-12	0.0942220621059226	1.11517462192112e-10
PRAD	RNF217	cg07439975	-0.0223716247063216	503	-0.500369966755865	0.617034756435863	0.0005004895920005	0.772487517375103
PRAD	RNF217	cg10621825	-0.169633007699121	503	-3.84889016645927	0.000134034595368405	0.0287753573010499	0.00123748959317466
PRAD	RNF217	cg16203203	-0.346710665986417	503	-8.26536944973194	1.26217796804828e-15	0.120208285908745	1.05922192930257e-13
PRAD	RNF217	cg17382198	-0.280849079554927	503	-6.54333275444922	1.49172742984551e-10	0.0788762054868495	5.75346770834912e-09
PRAD	RNF217	cg18192252	-0.291436667723874	503	-6.81244958123797	2.7654898112774e-11	0.0849353312939957	1.20932273399952e-09
PRAD	RNF217	cg19171596	-0.280283261087417	503	-6.52902495556513	1.62908157737773e-10	0.0785587064457972	6.25840850521102e-09
PRAD	RNF217	cg19478500	-0.34918900264808	503	-8.3326227862837	7.67492996902385e-16	0.121932959570361	6.59738676254411e-14
PRAD	RNF217	cg20034100	0.0283009484015754	503	0.633082026847122	0.526969519108849	0.000800943680428631	0.705582808721946
PRAD	RNF217	cg23521835	-0.176198201588298	503	-4.00253234464141	7.2163845280342e-05	0.0310458062429505	0.000727473652940123
PRAD	RNF217	cg24822696	-0.0160684127687649	503	-0.359347026012724	0.719487206292468	0.000258193888907405	0.840859126061989
PRAD	RPH3A	cg00851732	0.0168453090911465	503	0.376726016813671	0.706537046737285	0.000283764438376263	0.832696882416647
PRAD	RPH3A	cg00854817	0.0582094684847227	503	1.30381404303559	0.192896943509129	0.00338834222127393	0.373749211762258
PRAD	RPH3A	cg01119407	0.0606476555088164	503	1.3586237085494	0.174878463305045	0.00367813811871607	0.350339366349919
PRAD	RPH3A	cg01573562	0.0459198963668441	503	1.02788438731981	0.304501202141114	0.00210863688234171	0.503054711724262
PRAD	RPH3A	cg05967001	-0.030930663478375	503	-0.691961742429673	0.489282549963775	0.000956705943212482	0.675263388658138
PRAD	RPH3A	cg08254200	-0.00026391105884124	503	-0.0059012308813372	0.995293880019897	6.96490469787065e-08	0.997589281740229
PRAD	RPH3A	cg09384610	0.0272080964979325	503	0.608616848381355	0.543054823812931	0.000740280515040808	0.717500118269415
PRAD	RPH3A	cg11596863	0.0791001550178902	503	1.77429267410265	0.0766232063887393	0.00625683452385426	0.196935305560437
PRAD	RPH3A	cg16403344	0.0425553317246492	503	0.952428939785912	0.341339673015828	0.00181095625819493	0.540521068304462
PRAD	RPH3A	cg17453780	0.0157413456487445	503	0.352030806831569	0.724963478346774	0.000247789962833249	0.844139570347831
PRAD	RPH3A	cg18629535	0.0679398039344858	503	1.52269851323395	0.128466326481526	0.00461581695865637	0.283743601665111
PRAD	RPH3A	cg19712198	0.0398180833934219	503	0.891066075842199	0.373322299248201	0.0015854797651255	0.571866141304375
PRAD	RPH3A	cg20704159	0.0551180425844328	503	1.23435330809275	0.217651095504788	0.00303799861833935	0.405167488004295
PRAD	RPH3A	cg21900624	0.0298585559783648	503	0.667955427444673	0.504470244744187	0.000891533365113144	0.687712872600124
PRAD	RPH3A	cg23199238	-0.0620586074919457	499	-1.38477996648921	0.166742327295057	0.00385127076383938	0.339267474226911
PRAD	RPH3A	cg23549179	0.00412550798419857	503	0.0922499479857779	0.926536403129005	1.70198161276862e-05	0.961296501047169
PRAD	RPH3A	cg23596620	-0.0491866687210575	503	-1.10118021338894	0.271348052899339	0.00241932837987505	0.467632736089037
PRAD	RTF1	cg04910470	-0.151867237538033	503	-3.43570575625223	0.000640214493395395	0.0230636578374333	0.00462225951732727
PRAD	RTF1	cg07091958	0.159130205441543	503	3.60418552367264	0.00034449790380405	0.0253224222838678	0.00274448232755066
PRAD	RTF1	cg07129439	0.175801581890709	503	3.99323503134878	7.49622273253324e-05	0.0309061961952758	0.000751786968228298
PRAD	RTF1	cg15581235	0.0556446705253291	503	1.24618345175709	0.213280607784273	0.00309632935787243	0.399689256206347
PRAD	RTF1	cg18782716	0.276255279658017	503	6.42738194993722	3.03222221161411e-10	0.0763169795389294	1.10486508070402e-08
PRAD	RTF1	cg22263512	0.133391118254039	503	3.00961155187837	0.00274788673492739	0.0177931904290631	0.0153525639655947
PRAD	RTF1	cg24280607	0.149429023679906	503	3.37927551704368	0.000783555897484206	0.0223290331179298	0.0054727911194906
PRAD	RTF1	cg27576415	0.321474819059172	503	7.59135903501019	1.56350280586432e-13	0.103346059289127	1.00855006035994e-11
PRAD	SATB1	cg01069104	-0.1179973008446	503	-2.65706231956129	0.0081345862911135	0.0139233630066111	0.0363920872925921
PRAD	SATB1	cg01373248	0.263911200189523	503	6.11814038420868	1.91248347866399e-09	0.0696491215854745	5.99434890165941e-08
PRAD	SATB1	cg04004754	-0.188692488712707	503	-4.29647319938775	2.08610835258064e-05	0.0356048552965949	0.000248562893522221
PRAD	SATB1	cg14415616	-0.25962814395533	503	-6.01160784220084	3.54575387801521e-09	0.0674067731336894	1.05563864212137e-07
PRAD	SATB1	cg19818826	-0.38392620343882	503	-9.29736586791067	4.46210122625211e-19	0.147399329686946	5.39851792838346e-17
PRAD	SATB1	cg26131754	-0.159437537727318	503	-3.61132776359266	0.000335382402535396	0.0254203284365499	0.00268257645721145
PRAD	SATB1	cg26768584	0.204593381650102	503	4.67370983958534	3.80910995400166e-06	0.0418584518150243	5.59182101405711e-05
PRAD	SCML2	cg00457389	0.0131295858268865	503	0.293611772627149	0.769176410581251	0.00017238602398558	0.872035175679236
PRAD	SCML2	cg04189389	0.121268117455291	503	2.731798795366	0.00652171444420157	0.0147059563111502	0.0306333929158445
PRAD	SCML2	cg05049545	-0.0808790075043136	503	-1.81445387112401	0.0702070291446883	0.00654141385488282	0.184757873528731

PRAD	SCML2	cg06131666	0.134535897615455	502	3.03287703804372	0.00254845203374275	0.0180999077471962	0.0144680740253566
PRAD	SCML2	cg08300622	0.0223883600411753	503	0.500744461540701	0.616771326181803	0.000501238665333293	0.772319295447754
PRAD	SCML2	cg17710066	0.0373891101341194	503	0.836630905526034	0.403199735025079	0.00139794555662131	0.599684928525781
PRAD	SCML2	cg17727916	0.00619980113962167	503	0.138634432360216	0.889794849766392	3.84375341708542e-05	0.941560462787202
PRAD	SCML2	cg22823767	0.0393483329576948	503	0.880537401206849	0.37899129079118	0.00154829130654961	0.57753669884053
PRAD	SCML2	cg26246138	-0.105819794000537	503	-2.37956300445568	0.0177073199942064	0.0111978288023161	0.0663067750483413
PRAD	SCML4	cg00977377	-0.0322929015843802	503	-0.722468035805482	0.470344540487224	0.00104283149273847	0.658887205493365
PRAD	SCML4	cg03500965	-0.254801338681626	500	-5.87430348843959	7.78197317076364e-09	0.0649237221939489	2.17766482318844e-07
PRAD	SCML4	cg05603896	-0.380291460407775	503	-9.19437969305256	1.01558652680302e-18	0.144621594859079	1.18273260877417e-16
PRAD	SCML4	cg08792995	-0.0832916985276022	503	-1.86895321978382	0.0622137448247427	0.00693750704361297	0.169036604669462
PRAD	SCML4	cg17388996	-0.10003097236394	503	-2.24803596112366	0.025008819694152	0.0100061954320753	0.0862153735392566
PRAD	SCML4	cg23503775	-0.404364058537614	503	-9.88615119331178	3.59995444495885e-21	0.163510291837011	5.24447296050803e-19
PRAD	SCML4	cg27353361	-0.0910240106475345	503	-2.04384336479148	0.0414924751884675	0.00828537051436247	0.125710387304266
PRAD	SCML4	cg27659622	-0.262625050966435	503	-6.08610949486368	2.30469400553244e-09	0.0689719173951223	7.12321674479103e-08
PRAD	SETD1A	cg26692825	-0.147681577084073	503	-3.33887131186008	0.000903970563004915	0.0218098482100391	0.00617739687090692
PRAD	SETD6	cg01152986	-0.154709846906243	503	-3.5015765000223	0.000503938248608383	0.0239351367297531	0.00377281995113469
PRAD	SETD6	cg01472538	-0.125845786903651	503	-2.8365484231695	0.00474542875264908	0.0158371620813991	0.0237895293516069
PRAD	SETD6	cg01773760	0.0650868705987543	503	1.45847922804708	0.145336356651338	0.00423630072433898	0.309193987183367
PRAD	SETD6	cg02549819	-0.165465478953608	502	-3.74788117494606	0.00019919066957532	0.0273788247253469	0.00173079849759214
PRAD	SETD6	cg05502081	-0.0556654821406259	503	-1.24665098420324	0.213109198771394	0.00309864590194834	0.399513627713372
PRAD	SETD6	cg09132913	-0.147600677544301	503	-3.33700154193931	0.000909939175945481	0.0217859600115368	0.00620510240651322
PRAD	SETD6	cg19824325	-0.181351928382554	503	-4.12352765222845	4.36867565088523e-05	0.0328885219280711	0.000472154422874362
PRAD	SETD6	cg26666090	-0.0753827611037671	503	-1.69041958023716	0.0915709695192892	0.00568256067162763	0.223590028569894
PRAD	SETD7	cg05316864	-0.11975075545561	503	-2.69711678303816	0.00723040857930975	0.0143402434321892	0.0332475709314826
PRAD	SETDB1	cg02060408	-0.10180033504075	503	-2.28821229641285	0.0225415987269618	0.0103633082144089	0.0796765473835824
PRAD	SETDB1	cg08531528	-0.0431361782291902	503	-0.965452909861995	0.334784730611341	0.00186072987222047	0.534380852719675
PRAD	SETDB1	cg10589385	-0.232037438480909	503	-5.33409919672118	1.45749071262423e-07	0.0538413728567814	3.04877742667086e-06
PRAD	SETDB1	cg10961700	-0.0918173808520318	503	-2.06180841300231	0.0397422126848147	0.00843043142652706	0.121903071272079
PRAD	SETDB1	cg12082615	0.0196421269079771	503	0.439296061162926	0.660636815457806	0.000385813149469078	0.802535648928381
PRAD	SETDB1	cg15448220	-0.138657882911349	503	-3.13072626542449	0.00184576135477762	0.0192260084934575	0.0111335317386656
PRAD	SETDB1	cg16370685	-0.0779123138743676	501	-1.74398580611279	0.0817785806441882	0.00607032865325798	0.206199815338346
PRAD	SETDB1	cg17899625	-0.0425610988274404	503	-0.952558247268435	0.341274190419323	0.00181144713339915	0.540504453004812
PRAD	SETDB1	cg17918089	0.08880483167831	503	1.99361307736078	0.0467371626749717	0.00788629812941298	0.137347795147203
PRAD	SETDB1	cg19689029	-0.070455262822945	503	-1.57935235548131	0.114887648159264	0.00496394405945026	0.262746051884459
PRAD	SETDB1	cg26820223	-0.0627875555464549	503	-1.40674805705741	0.160123349859567	0.00394227713149916	0.329898458088804
PRAD	SETMAR	cg00300090	-0.0895798930370936	503	-2.0111528615356	0.0448455083904203	0.00802455723653713	0.13321794255859
PRAD	SETMAR	cg02520519	-0.207558253842318	503	-4.74446549001335	2.73213495211847e-06	0.0430804287380722	4.16752365617852e-05
PRAD	SETMAR	cg06021447	-0.0884201862252261	503	-1.98490983579831	0.0477005302828482	0.00781812933210366	0.139420126970192
PRAD	SETMAR	cg06267913	-0.0520094776704446	503	-1.16454337864209	0.244759204337445	0.00270498576755247	0.437729546477555
PRAD	SETMAR	cg14751177	-0.111961713480924	503	-2.51938057425214	0.0120667789646487	0.0125354252855846	0.0493623075551288
PRAD	SETMAR	cg14961031	-0.0718625318384524	503	-1.61106038482051	0.107797614831366	0.00516422348223258	0.251396864614362
PRAD	SETMAR	cg15232450	-0.149281516401122	503	-3.3758636296136	0.000793115674017064	0.0222849711390186	0.00552864164377092
PRAD	SETMAR	cg15384599	-0.119324065550879	503	-2.68736749047159	0.00744173832625685	0.0142382326195905	0.0339663571551763
PRAD	SETMAR	cg16423812	-0.127953023215592	503	-2.88482921209766	0.00408531377863875	0.0163719761500098	0.0210989112457958
PRAD	SETMAR	cg21901604	0.0463173715915294	503	1.03680063491441	0.300329930152657	0.00214529891114781	0.498613315699756
PRAD	SETMAR	cg22149154	0.0334107523008986	503	0.747504461268788	0.455110506851759	0.001116278369312	0.645426429131815
PRAD	SETMAR	cg23182840	0.0751939964208319	503	1.68616252931269	0.0923883324350144	0.00565413709773608	0.225051914248795
PRAD	SETMAR	cg23549342	-0.0356168494511034	503	-0.796922597628801	0.425874234436759	0.00126855996482257	0.620560054577307
PRAD	SETMAR	cg24390964	-0.15503559086179	503	-3.50913050052446	0.000490175668289172	0.0240360344338643	0.00368717133425719
PRAD	SETMAR	cg26797270	-0.0673542730840032	503	-1.5095152561306	0.131798803858711	0.00453659810267448	0.288813164344231
PRAD	SETMAR	cg27265118	-0.0928987189786489	503	-2.08630058069669	0.0374575714706798	0.00863017198787398	0.11668966502443
PRAD	SFMBT2	cg09060610	-0.0845296483753508	503	-1.8969295770637	0.0584132191732698	0.00714526145446044	0.161473881471301
PRAD	SFMBT2	cg12328063	-0.0952309931739476	503	-2.13915175698732	0.0329070553738352	0.00906894206089645	0.105731516014874
PRAD	SFMBT2	cg20299663	-0.174199507602867	503	-3.95570056683634	8.73411035565756e-05	0.0303454684490814	0.000856391959929448
PRAD	SFMBT2	cg25291138	-0.128380712153504	503	-2.89463320446931	0.00396194107515834	0.0164816072530409	0.0206095114677946
PRAD	SHPRH	cg00571935	-0.125515231289691	503	-2.82897832369675	0.0048572954303515	0.0157540732857047	0.0242130232416228
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PRAD	SHPRH	cg11675148	-0.0434418143439813	503	-0.972306396711205	0.331368272404464	0.00188719123349694	0.531022008104498
PRAD	SHPRH	cg12989205	-0.00913407212246651	503	-0.204252582476476	0.838239233174394	8.34312735384198e-05	0.913422043274069
PRAD	SHPRH	cg14102550	-0.0528298304615064	503	-1.18296289437073	0.237386031983011	0.0027909909865915	0.428817463664774
PRAD	SHPRH	cg15443174	0.0389194082548688	503	0.870924278346569	0.384213455936114	0.00151472033890915	0.582365790913594
PRAD	SHPRH	cg16339435	-0.0238094296293435	503	-0.53254600018432	0.594584469783688	0.000566888939274661	0.75615154398485
PRAD	SHPRH	cg18099523	-0.142279318317899	503	-3.21416139141116	0.00139276409027208	0.0202434044210059	0.00884840258379962
PRAD	SHPRH	cg26814539	-0.0209898654295627	503	-0.469451084860594	0.638951890169748	0.000440574450751152	0.787793573980369
PRAD	SHPRH	cg27398948	-0.0311430397086141	503	-0.696717489395503	0.486303386785207	0.000969888922292315	0.67279896268128
PRAD	SIN3A	cg01088093	0.0675422398470671	503	1.51374716601222	0.130721812391301	0.00456195416355873	0.287249939244397
PRAD	SIN3A	cg01664094	0.0272639678797759	503	0.609867561873334	0.542226596334577	0.00074332394454945	0.716905634953331
PRAD	SIN3A	cg02028562	0.0978774721414608	503	2.19916616771004	0.0283232250111824	0.00957999955280243	0.094613597229801
PRAD	SIN3A	cg07544511	0.0674943931823933	503	1.51266992419574	0.130995311095012	0.0045554931110595	0.28765205158002
PRAD	SIN3A	cg10483776	0.149839436219798	503	3.38876969679537	0.000757515760271416	0.022451856646667	0.005321970654254
PRAD	SIN3A	cg11184237	-0.107903930738585	503	-2.42697556128476	0.0155775933860101	0.0116432582688374	0.0601291385682615
PRAD	SIN3A	cg15851274	-0.136928581273725	503	-3.0909298664753	0.00210657692257598	0.018749436369635	0.012389736532462
PRAD	SIN3A	cg22059910	0.217991437801028	503	4.99455231286524	8.1630209952897e-07	0.0475202669545596	1.42832671009349e-05
PRAD	SIN3A	cg25697800	0.0466763405254989	503	1.04485352531877	0.296595544732374	0.00217868076485233	0.494595052772938
PRAD	SIN3B	cg06815056	0.0246317892455912	503	0.550950714762891	0.581913550488983	0.000606725041439225	0.747211335698348
PRAD	SIRT1	cg02720207	-0.0693909155888066	502	-1.55382105344813	0.120861083047468	0.00481509916625289	0.271985509982781
PRAD	SIRT1	cg03211233	-0.129421480657781	503	-2.91849780478672	0.00367568649792873	0.0167499196556523	0.0193783108850547
PRAD	SIRT1	cg07832903	-0.122034263086596	503	-2.74931778713026	0.00618810471823016	0.0148923613670886	0.0293911361163684
PRAD	SIRT1	cg10582690	0.0515447697908571	503	1.15411026767428	0.249006297343995	0.00265686329279245	0.442476892929915
PRAD	SIRT1	cg10705386	-0.00332319409251986	503	-0.0743092892558726	0.940794004861176	1.10436189765589e-05	0.968365932523191
PRAD	SIRT1	cg19192316	0.113320947831414	503	2.55036174848789	0.0110581423047514	0.01284163721741	0.046123914130922
PRAD	SIRT1	cg19681528	0.240508347490528	503	5.54056186521869	4.88292493834937e-08	0.0578442652126247	1.14416344172877e-06
PRAD	SIRT1	cg19980381	0.0747073042112273	503	1.67518740958477	0.0945227038055631	0.00558118130250885	0.228754058791413
PRAD	SIRT1	cg25513531	0.138122853245232	503	3.11841053296021	0.00192310886105567	0.0190779225886039	0.0115196989864453
PRAD	SIRT4	cg04118464	0.000753466808507937	501	0.0168143049753062	0.986591491923909	5.67712231523137e-07	0.992973562278166
PRAD	SIRT4	cg07106325	-0.0216809193087826	503	-0.484914077191661	0.627949668865838	0.000470062262073943	0.780179037525748
PRAD	SIRT4	cg08264848	-0.0159354035598961	503	-0.356371706957607	0.721712542687869	0.000253937086616749	0.842318387247239
PRAD	SIRT4	cg12124973	0.030303879000714	503	0.67792668431095	0.498131770865104	0.000918325082489914	0.682415788797941
PRAD	SIRT4	cg20010714	-0.0136907052898911	503	-0.306162171041996	0.759608612436013	0.000187435411334653	0.866180192155704
PRAD	SIRT4	cg21068152	-0.0245052829525272	503	-0.54811938489424	0.583854552288783	0.000600508892583419	0.74870446821879
PRAD	SIRT4	cg21123573	0.0489896796459336	500	1.0934642059989	0.274719735406919	0.0023999887118112	0.471174811416858
PRAD	SIRT5	cg01064902	-0.0448156403852667	503	-1.00311603987957	0.316290080234188	0.00200844162314155	0.515561259695121
PRAD	SIRT5	cg02206980	-0.00925178040779581	503	-0.206884953441183	0.836183931381122	8.55954407140745e-05	0.912304771098407
PRAD	SIRT5	cg02712746	-0.0387025211497526	503	-0.8660635568583	0.386870687775816	0.00149788514334704	0.584835473170592
PRAD	SIRT5	cg06139021	-0.0750397849077326	503	-1.68268486224921	0.0930604045193302	0.00563096931899877	0.226207383738807
PRAD	SIRT5	cg07534331	-0.0512044094306644	503	-1.14646934793459	0.25214935634093	0.00262189154514311	0.445996953660435
PRAD	SIRT5	cg07909422	-0.00956125779002563	503	-0.213805996733275	0.830785505616055	9.14176505273258e-05	0.909233387128885
PRAD	SIRT5	cg08619119	-0.0211244222440996	503	-0.472461868974278	0.636803300327891	0.000446241215147011	0.78630708552914
PRAD	SIRT5	cg10907941	-0.0882851140582844	503	-1.98185381643928	0.0480427507537266	0.00779426136428428	0.140120637053777
PRAD	SIRT5	cg11824369	0.023470948557983	503	0.524970984072579	0.599836050895195	0.000550885426211486	0.760018986666353
PRAD	SIRT5	cg19366958	-0.0400927413204312	503	-0.897222350106245	0.370032082095148	0.00160742790658701	0.568730135226908
PRAD	SIRT5	cg20150972	-0.0573781250303402	503	-1.28513110989687	0.199341444906512	0.00329224923199735	0.382110397325478
PRAD	SIRT7	cg11691214	0.212747885272052	503	4.86864459865757	1.50943939273501e-06	0.04526166268773	2.45894374054619e-05
PRAD	SIRT7	cg12710567	0.274112071190465	499	6.34790468454347	4.93237797097013e-10	0.0751374275723267	1.71912818939807e-08
PRAD	SIRT7	cg17552093	-0.142037082394899	503	-3.20857638913151	0.00141953632060795	0.0201745327752554	0.00898254502402596
PRAD	SIRT7	cg20397086	0.289947810011652	500	6.75408966414498	4.02733471041842e-11	0.084069732530553	1.7092333685886e-09
PRAD	SMARCA	cg03460558	-0.15733389993639	503	-3.56246176165167	0.000402566476554283	0.0247539560691939	0.00312041415975376
PRAD	SMARCA	cg06675660	-0.166842717722016	503	-3.78375144909419	0.000173200064447108	0.0278364924568684	0.00153934945888248
PRAD	SMARCA	cg08617833	-0.287422886867176	503	-6.71011250582469	5.28277663435398e-11	0.0826119158950617	2.20122295389895e-09
PRAD	SMARCA	cg12935118	-0.0649278323840831	503	-1.45490036324348	0.146324339287542	0.00421562341809559	0.310472279362182
PRAD	SMARCA	cg17420696	-0.111659506559228	503	-2.51249429196004	0.0123017850512072	0.0124678454050502	0.0501364766488692
PRAD	SMARCA	cg18959966	-0.257610800682572	503	-5.96156272671938	4.7242129484343e-09	0.066363324628316	1.37388942845046e-07

PRAD	SMARCA	cg24447042	-0.301806486583383	503	-7.0786827932961e	4.95253192360539e-12	0.091087155343806	2.48779806365567e-10
PRAD	SMARCA	cg26010110	-0.279982149608128	503	-6.52141379002222	1.70712268127201e-10	0.0783900040991883	6.52919871518557e-09
PRAD	SMARCA	cg27353825	-0.129598071424186	503	-2.91376712960814	0.00373186163921387	0.0167956601168684	0.0196305662560689
PRAD	SMARCA	cg04518912	-0.0340342228789393	503	-0.761469502818796	0.446735683275139	0.00115832832697332	0.638472878907741
PRAD	SMARCA	cg13529335	-0.0335699202849079	503	-0.751069561858129	0.452964129342833	0.00112693954793507	0.643345219020895
PRAD	SMARCA	cg14290704	-0.113982892876257	502	-2.56288803485364	0.0106727262542323	0.0129920998684402	0.0448481643289444
PRAD	SMARCA	cg21210735	-0.0931967167077715	503	-2.09305149542117	0.0368479083214292	0.00868562800510861	0.11524513473147
PRAD	SMARCA	cg08405378	-0.176354554029965	503	-4.0061980143217	7.1088001777908e-05	0.031100928727108	0.000718677064367846
PRAD	SMARCA	cg17218495	0.00868469670067723	503	0.194203045785993	0.846095773673278	7.54239567827539e-05	0.917816002470041
PRAD	SMARCA	cg17747332	-0.0928341012374768	503	-2.08483678898023	0.0375908938623974	0.00861817035257008	0.117006601733739
PRAD	SMARCA	cg18522266	-0.122603464007125	503	-2.76233659071667	0.00595025833068636	0.0150316093865464	0.0284840561551544
PRAD	SMARCA	cg23892580	-0.12407511833954	503	-2.7960092337491	0.00537292556609555	0.0153946349909709	0.0262716135442387
PRAD	SMARCA	cg01278696	-0.0201471508267424	503	-0.450595447375109	0.652476473461374	0.000405907686435507	0.79697836010071
PRAD	SMARCA	cg01575392	-0.298232332651853	503	-6.98661544335822	9.02975593101761e-12	0.0889425242389654	4.32017732409338e-10
PRAD	SMARCA	cg02782292	0.0609528683820471	503	1.36548649496606	0.17271417476074	0.00371525216399916	0.347437746890554
PRAD	SMARCA	cg05358385	-0.137674104540451	503	-3.10808302995278	0.00199025904290589	0.0189541590610149	0.0118480419332584
PRAD	SMARCA	cg10878459	-0.269447453845208	503	-6.25642139415817	8.47003463293296e-10	0.0726019303836653	2.84506854159925e-08
PRAD	SMARCA	cg12253543	-0.14846102790076	503	-3.35688968565975	0.000848289379467093	0.0220406768053501	0.00585241433010492
PRAD	SMARCA	cg13848802	-0.338524327490965	493	-7.96375427716553	1.17434098346588e-14	0.11459872030321	8.7506400831173e-13
PRAD	SMARCA	cg13898584	-0.0189129743456073	503	-0.422982620269382	0.672489801699187	0.0003577005985976	0.810430512282192
PRAD	SMARCA	cg16091845	-0.0854872287693973	503	-1.91857594283375	0.055607101685031	0.00730806628267127	0.155747934058877
PRAD	SMARCA	cg16587443	-0.207219331801052	493	-4.70309890746504	3.3315858896126e-06	0.0429398514720743	4.96318254876528e-05
PRAD	SMARCA	cg19993723	0.0553060214217142	503	1.23857593616394	0.216083748856588	0.00305875600549911	0.403311400157136
PRAD	SMARCA	cg20045045	-0.0483658314544934	503	-1.08276003587964	0.279436829680381	0.00233925365228447	0.476481352128435
PRAD	SMARCA	cg22077701	-0.0289079522740679	503	-0.646671722208419	0.518141159527162	0.00083566970467979	0.698979275600369
PRAD	SMARCA	cg24607315	-0.222419642582401	503	-5.10123511042446	4.79942652922789e-07	0.0494704974064832	8.88756456593084e-06
PRAD	SMARCB	cg01745726	-0.0831960725332743	503	-1.86679253768224	0.0625156144458515	0.00692158648496184	0.169643494844446
PRAD	SMARCB	cg01912455	-0.0320512178994022	503	-0.717055423036314	0.473674725382589	0.00102728056883496	0.661661100026823
PRAD	SMARCB	cg03979008	0.0760315579906312	503	1.70505274662734	0.0888057337787196	0.00578079781048271	0.218825924221017
PRAD	SMARCB	cg10122452	-0.132864687158032	503	-2.99752017893793	0.0028572383601806	0.0176530250936016	0.0158383925460944
PRAD	SMARCB	cg16142952	-0.135951501311552	503	-3.06845709524716	0.00226843289938356	0.0184828107088651	0.0131619685117957
PRAD	SMARCB	cg19906397	-0.0247246182168748	503	-0.553028331322397	0.580491179118345	0.000611306745970218	0.746295309408079
PRAD	SMARCC	cg02564102	0.192007333917516	503	4.37481453521831	1.48005178251289e-05	0.0368668162781126	0.000184222637390092
PRAD	SMARCC	cg02627110	0.0746784025447213	503	1.67453570245589	0.0946506801995384	0.00557686380663144	0.228988830975261
PRAD	SMARCC	cg05592996	-0.207089262966197	503	-4.73326414875643	2.88052129365139e-06	0.0428859628358827	4.35967458206841e-05
PRAD	SMARCC	cg07143957	0.0979914350464044	503	2.20175156178989	0.028138814919658	0.00960232134245369	0.0941532033818063
PRAD	SMARCC	cg07304068	-0.163001256699423	503	-3.69422599457821	0.000244882086937799	0.0265694096855913	0.00205638569421839
PRAD	SMARCC	cg07474652	-0.0316849547199769	503	-0.708853037196558	0.478746047363116	0.00100393635560699	0.666217734442986
PRAD	SMARCC	cg12894336	-0.044631182095766	503	-0.998979021132151	0.3182880595489	0.00199194241526543	0.517631468685003
PRAD	SMARCC	cg16250355	0.061333493695415	503	1.37404548752754	0.170043189483031	0.00376179744888551	0.343736095069195
PRAD	SMARCC	cg20685352	-0.151129108771484	503	-3.4186157148596	0.000680810777675345	0.022840007518063	0.00486881721258281
PRAD	SMARCC	cg22984439	-0.00612367375573543	503	-0.136932075356611	0.891139604142424	3.74993802666829e-05	0.942418343236566
PRAD	SMARCD	cg02553054	-0.138134733985535	503	-3.11868398289936	0.00192135956501017	0.0190812047332545	0.0115118796981209
PRAD	SMARCD	cg04550398	-0.0766455072424284	503	-1.71890195424285	0.086251187092237	0.00587453378044914	0.214330380203717
PRAD	SMARCD	cg09878554	0.0861248465434753	503	1.93299243295215	0.0538014338616671	0.00741748919213717	0.152214014104612
PRAD	SMARCD	cg13349421	-0.0832581963572329	503	-1.86819622786063	0.0623193664791342	0.00693192726065955	0.16925264613454
PRAD	SMARCD	cg17846064	-0.176502833737923	503	-4.00967470859306	7.00816963576057e-05	0.0311532503175168	0.000710652211107175
PRAD	SMARCD	cg18591973	0.0896247473034019	503	2.01216803443875	0.0447380345014741	0.00803259532919866	0.132990786936762
PRAD	SMARCD	cg20405918	-0.0655118779374083	503	-1.4680437910736	0.142721106016507	0.00429180615088588	0.305316807959526
PRAD	SMARCD	cg22402853	-0.0458368690319435	503	-1.02602196264533	0.305377344486843	0.00210101856265154	0.503914074686269
PRAD	SMARCD	cg25107077	0.0305942923846705	503	0.684429566654311	0.494021063188366	0.000936010726518709	0.679284419281258
PRAD	SMARCD	cg00945038	-0.135340367306925	503	-3.05440569742304	0.00237536191797615	0.0183170150227734	0.0136587260734006
PRAD	SMARCD	cg02127607	-0.0938633034981872	503	-2.10815457551876	0.035514607031508	0.00881031974359281	0.11205480773074
PRAD	SMARCD	cg02360836	-0.191827572708646	503	-4.37056219381189	1.50808570865944e-05	0.0367978176512911	0.000187322400797465
PRAD	SMARCD	cg04367190	-0.152219273855325	503	-3.44385859311364	0.000621654136858711	0.0231707073330425	0.00450833988279916
PRAD	SMARCD	cg06420487	-0.0912368501600926	503	-2.04866250891058	0.0410166571300732	0.00832416282713519	0.124632834340165
PRAD	SMARCD	cg07362569	-0.156715544551056	503	-3.54810729837807	0.000424580455155408	0.0245597619039339	0.00326542876207215

PRAD	SMARCD	cg11697258	-0.0228195228128604	503	-0.510392948159459	0.610001441183736	0.000520730621406657	0.767345889175368
PRAD	SMARCD	cg12577610	-0.113700267764163	503	-2.55901020931682	0.0107903313546094	0.0129277508896424	0.0452472193818118
PRAD	SMARCD	cg15868002	-0.00737252573265556	503	-0.164859167490505	0.869121460126136	5.43541356786684e-05	0.930580358895956
PRAD	SMARCD	cg19016967	0.0398438054600222	503	0.891642610203549	0.373013401993372	0.00158752883353609	0.571586744837233
PRAD	SMARCD	cg19143629	-0.0563734128259781	503	-1.26255560511324	0.207337454422895	0.00317796167364815	0.39226681428781
PRAD	SMARCD	cg21254277	-0.101931206578265	503	-2.29118481991705	0.0223677910659672	0.0103899708745009	0.0791881286149929
PRAD	SMARCD	cg23682543	-0.0497337266129198	503	-1.11345782491441	0.266046840019443	0.00247344356280865	0.461865217590503
PRAD	SMARCD	cg24795630	-0.110048258691848	503	-2.47579122139174	0.013624240615095	0.0121106192411079	0.0542320826818011
PRAD	SMARCD	cg25945412	-0.010708381764691	503	-0.23946042533873	0.810846708106881	0.000114669440018367	0.897998530984378
PRAD	SMARCD	cg00864064	-0.0630947020469354	503	-1.41365707700485	0.158084898816176	0.00398094142639155	0.327119282509372
PRAD	SMARCD	cg02917064	-0.0334303507513448	503	-0.74794343118808	0.454845914226421	0.00111758835135794	0.645109991820059
PRAD	SMARCD	cg14795305	0.0902324416867775	503	2.0259230147239	0.0433031771552896	0.00814189353275769	0.129806079054354
PRAD	SMARCD	cg19786287	-0.0672063020516524	503	-1.50618392930654	0.132651444674641	0.00451668703545793	0.290145404917196
PRAD	SMARCD	cg19902439	-0.0739411250757829	503	-1.65791217495893	0.0979624013627042	0.00546728997747257	0.23459710794552
PRAD	SMARCD	cg22750243	-0.0865906215753999	503	-1.94352508299451	0.0525134775028615	0.00749793574481412	0.149538177417095
PRAD	SMARCD	cg22787816	-0.0275830323156855	503	-0.61701011544696	0.53750890914056	0.000760823671728149	0.713383401478815
PRAD	SMNDC1	cg03999743	0.0227647379910357	503	0.50916696711455	0.610859816471414	0.000518233295800505	0.767957798360976
PRAD	SMNDC1	cg08770590	-0.0708181974285984	503	-1.58752893990262	0.113025041457399	0.00501521708703594	0.260030462977965
PRAD	SMNDC1	cg11559952	0.307437963241828	503	7.22441374149483	1.89015212381044e-12	0.0945181012422837	1.03043093426566e-10
PRAD	SMNDC1	cg12486840	0.115632487562586	503	2.60308233117929	0.00951339704628068	0.0133708721799116	0.0409633702229678
PRAD	SMNDC1	cg17981675	-0.0833054079443608	503	-1.86926299014438	0.0621705660021089	0.00693979099277637	0.168978303807143
PRAD	SMNDC1	cg18209001	-0.0781329715811114	503	-1.75246373262718	0.0803070267477957	0.00610476124809475	0.20357146986927
PRAD	SMNDC1	cg21872391	0.121859186762222	503	2.7453139834831	0.00626295951287994	0.01484966139835	0.0296705847600622
PRAD	SMNDC1	cg23721301	0.0510471851232743	503	1.14293987633095	0.253610516915473	0.00260581510900984	0.44760144636604
PRAD	SMNDC1	cg26944434	0.0276937090261429	503	0.619487760322953	0.535877258761265	0.000766941519624669	0.712153395539202
PRAD	SMYD1	cg00578637	-0.0617728091594301	503	-1.38392497392066	0.166998867549219	0.00381587995144737	0.339670370604068
PRAD	SMYD1	cg00666842	-0.0743569119229436	503	-1.6672866577874	0.0960835925958442	0.00552895035071639	0.231430026701378
PRAD	SMYD1	cg03704645	0.0344050120507239	503	0.769775185334805	0.441796774390764	0.00118370485421046	0.634315897365503
PRAD	SMYD1	cg14559139	0.000227131330812431	503	0.00507881108617036	0.995949738138908	5.15886414366259e-08	0.998002343416263
PRAD	SMYD1	cg16090764	-0.034433931895093	503	-0.770423003578385	0.441412876918635	0.0011856956657559	0.634033850572532
PRAD	SMYD1	cg18148488	-0.0969784476602288	503	-2.17877370288897	0.0298147251230807	0.00940481931058775	0.0982216789288107
PRAD	SMYD1	cg19074493	0.0242796399327511	503	0.543069347124389	0.587324063493451	0.000589500915264041	0.751225533868393
PRAD	SMYD2	cg01770831	-0.0594964509966392	503	-1.332742018202	0.183223475607295	0.00353982768119549	0.361346830132178
PRAD	SMYD2	cg04406444	0.0532648722195013	503	1.19273193043715	0.233540077044673	0.0028371466125598	0.424416958759391
PRAD	SMYD2	cg11523160	-0.0933224042842559	503	-2.09589902308318	0.0365933063572654	0.0087090711413941	0.114669619332944
PRAD	SMYD2	cg14013804	-0.0290433321706518	503	-0.649702725119335	0.516182624246188	0.000843515143574818	0.697332830956116
PRAD	SMYD2	cg27570636	-0.153916857546511	503	-3.48319196662341	0.000538957331217673	0.0236903990369928	0.00399425041676171
PRAD	SMYD5	cg01329511	-0.162776419509354	503	-3.68899154341534	0.000249837664553371	0.0264961627482853	0.00209100282692469
PRAD	SMYD5	cg05103132	-0.107738218673971	503	-2.42320455933031	0.015738301359333	0.0116075237630405	0.0605482130432693
PRAD	SMYD5	cg06754047	-0.0469600515106719	503	-1.05121841160602	0.293666077268255	0.00220524643788495	0.491448152454645
PRAD	SMYD5	cg08834152	-0.119871900483196	503	-2.6998850607052	0.00717139505306766	0.0143692725254532	0.0330328324210046
PRAD	SMYD5	cg15623359	0.16260084444734	503	3.68490437800858	0.000253772507024867	0.026439034614988	0.00211983017411065
PRAD	SMYD5	cg17895873	-0.141727288930943	503	-3.20143643433027	0.00145446433961299	0.020086624427715	0.00916851137151392
PRAD	SMYD5	cg20402064	0.0301519665310049	503	0.674525157174853	0.500289247996552	0.000909141085686838	0.684215748195398
PRAD	SMYD5	cg25886337	-0.177546055071658	503	-4.03414295838958	6.33725260413992e-05	0.0315226016715083	0.00065306693480787
PRAD	SMYD5	cg26467949	-0.0303171468282551	503	-0.678223771272671	0.497943574371288	0.000919129391805981	0.682242068804311
PRAD	SP100	cg05876232	0.0117875262912867	503	0.263595414109684	0.792200289895646	0.000138945776067775	0.886077026572088
PRAD	SP100	cg09456094	-0.571585170158253	503	-15.5763158732591	6.98226617019117e-45	0.326709606744839	3.2919903905688e-42
PRAD	SP100	cg11702456	-0.516125741557065	503	-13.4743136326347	1.59980336921473e-35	0.266385781097831	5.50686297808366e-33
PRAD	SP100	cg11827097	-0.52845530320475	503	-13.9189174347457	1.86606508994185e-37	0.279265007485224	6.88003164013915e-35
PRAD	SP100	cg23539753	-0.608052753927279	503	-17.1262510991037	4.45462862705191e-52	0.369728151558548	2.84051950338423e-49
PRAD	SP100	cg27140170	0.119086247902948	503	2.68193433182752	0.0075619058656035	0.0141815344396023	0.0344118692546802
PRAD	SP140L	cg04002454	-0.606707778513426	503	-17.0662631763666	8.52803423480411e-52	0.368094328508696	5.35024109082541e-49
PRAD	SP140L	cg05217331	0.0450867547414543	503	1.00919676207749	0.313368404883805	0.00203281545311605	0.51245888649662
PRAD	SP140L	cg13278004	-0.650889801246027	503	-19.171326271541	8.08568053389504e-62	0.423657533366092	7.57852327052808e-59
PRAD	SP140L	cg24044052	-0.59703053368407	503	-16.6413618871386	8.33744635281707e-50	0.356445458151086	4.76914192331655e-47
PRAD	SP140L	cg25095994	-0.671799166737116	503	-20.2797487958432	3.58838371705057e-67	0.451314120428683	3.87714892894766e-64

PRAD	SP140L	cg26847438	-0.6638077777050793	503	-19.8464087641491	4.48546403075536e-65	0.440640764873115	4.5317167377738e-62
PRAD	SSRP1	cg01511567	0.0770402959501452	503	1.7278084689273	0.0846400289010878	0.00593520720008595	0.211393553625633
PRAD	SSRP1	cg01766191	-0.0426709950834705	503	-0.955022311795966	0.34002790518826	0.00182081382141357	0.539262648887993
PRAD	SSRP1	cg02688348	-0.0169054579342556	503	-0.378071560565993	0.705537886784336	0.000285794507966887	0.832069225100064
PRAD	SSRP1	cg04937561	-0.087838847842674	503	-1.97175778748674	0.0491880725685179	0.00771566319032844	0.142584376696176
PRAD	SSRP1	cg08821673	-0.0541699106965191	503	-1.21305711888925	0.225680760268732	0.00293437922486885	0.415049732103917
PRAD	SSRP1	cg09381635	-0.0640470413400091	503	-1.4350817761779	0.151889007082592	0.00410202350440884	0.318431924353441
PRAD	SSRP1	cg11948159	-0.016876363195718	503	-0.377420703917319	0.706021129713126	0.000284811634713784	0.832323686749351
PRAD	SSRP1	cg12795368	-0.0215517342672827	503	-0.482023385996854	0.630000256979596	0.000464477249927568	0.781721824900781
PRAD	SSRP1	cg12911972	-0.0975215212106064	503	-2.19109152814566	0.0289059101167742	0.00951044709923076	0.0960534095777341
PRAD	SSRP1	cg16313264	0.000725501425174495	503	0.0162227093140624	0.987063189587481	5.26352317930224e-07	0.993189026535474
PRAD	SSRP1	cg22636253	-0.0125361812163302	503	-0.280339563144943	0.779332949899013	0.000157155839488671	0.878022121715334
PRAD	SSRP1	cg26706201	-0.0348048617143444	502	-0.777953058071502	0.436965381169294	0.00121137839895464	0.629971921102374
PRAD	STK31	cg00755064	-0.00515379981702241	503	-0.11524399787856	0.908297991983533	2.65616525539402e-05	0.951364912458884
PRAD	STK31	cg05000488	0.00355117782700594	503	0.0794072509123506	0.936740471777422	1.26108639590186e-05	0.966239120930439
PRAD	STK31	cg05407490	-0.029125400988685	503	-0.651540170631112	0.514997204241652	0.000848288982751692	0.696408637500653
PRAD	STK31	cg11755819	0.0159550862369718	503	0.356811992900762	0.721383089229353	0.000254564776829206	0.842111990044188
PRAD	STK31	cg13313214	-0.00950247221044012	503	-0.212491332047627	0.831810338588067	9.02969781101868e-05	0.909791826900432
PRAD	STK31	cg13514718	0.0653892106797744	503	1.46528314785605	0.143472205150546	0.00427574887332392	0.30636756409326
PRAD	STK31	cg13802883	-0.0362508477026829	503	-0.811126732797849	0.417678828598564	0.00131412395916311	0.613085280703347
PRAD	STK31	cg14898779	-0.0274419022263195	503	-0.613850764243724	0.539593121144075	0.000753057997798879	0.714917693069729
PRAD	STK31	cg17102984	0.0563586573799617	503	1.26222408464007	0.207456589767542	0.00317629826167191	0.392406096682944
PRAD	STK31	cg17331904	-0.0178016218305046	503	-0.398119451803143	0.690712069516997	0.000316897739796299	0.822238021974067
PRAD	STK31	cg21519371	0.00869064548037159	503	0.194336079604724	0.845991668188642	7.55273188655031e-05	0.917764534245465
PRAD	STK31	cg25570411	-0.00558719920802235	503	-0.124935522388223	0.900624809677232	3.12167949901256e-05	0.947594017204017
PRAD	STK31	cg25612145	-0.0600665042974272	503	-1.34555743672339	0.179055142703319	0.00360798493851284	0.35580300335149
PRAD	SUV39H	cg05903800	0.125856035076238	503	2.83678313330465	0.0047419980254923	0.0158397415651113	0.0237769251946599
PRAD	SUZ12	cg00160853	-0.0372207318035872	503	-0.832857978391873	0.405322472848642	0.00138538287599457	0.601714120453145
PRAD	SUZ12	cg01109633	0.151024706566912	503	3.41619894309131	0.0006867416443106	0.0228084619936218	0.00490672111292238
PRAD	SUZ12	cg07482957	-0.0300584449828409	503	-0.672431105595168	0.501619904364853	0.000903510114786471	0.68542003478052
PRAD	SUZ12	cg08177746	-0.0807688577336463	503	-1.8119665141998	0.070591137091997	0.006523608379598	0.18550710802739
PRAD	SUZ12	cg17335595	-0.24874175301126	503	-5.74252308939636	1.62072028395681e-08	0.0618724596911145	4.24233895592652e-07
PRAD	SUZ12	cg25098644	-0.0936056118540715	503	-2.1023156316694	0.0360250926667882	0.00876201057057509	0.113325356203806
PRAD	TAF3	cg00194465	-0.0456206856331286	503	-1.02117275238899	0.307666425086341	0.00208124695763675	0.506165279146529
PRAD	TAF3	cg02334915	0.204592149951227	503	4.67368047358049	3.80963202489943e-06	0.0418579478216653	5.59182101405711e-05
PRAD	TAF3	cg03672997	0.0583325719685112	503	1.30658080048842	0.191955779770223	0.00340268895246154	0.372468520688534
PRAD	TAF3	cg04179819	0.188573951394597	503	4.29367458881078	2.1116395813874e-05	0.0355601351445716	0.00025091322681297
PRAD	TAF3	cg04234156	0.0461606920757133	503	1.0332859084691	0.30196963452895	0.00213080949290882	0.500360513504976
PRAD	TAF3	cg05976695	-0.0221267631315648	503	-0.494890627327532	0.620894718590748	0.000489593646680375	0.775332593630128
PRAD	TAF3	cg07855525	-0.0803810048046706	503	-1.80320870976718	0.0719573363013171	0.00646110593340847	0.188118729046095
PRAD	TAF3	cg09871669	0.333247408487044	503	7.90340163871711	1.74448268204897e-14	0.111053835263331	1.27188646454843e-12
PRAD	TAF3	cg09994553	-0.167171777969667	496	-3.76479484648897	0.000186778829633162	0.0279464033495397	0.0016383213747302
PRAD	TAF3	cg11104088	-0.069855692317598	503	-1.56584596009785	0.118017326069992	0.00487981774917092	0.267676604690777
PRAD	TAF3	cg12176426	0.0633743612300831	503	1.41994814199797	0.156245972521745	0.00401630966132107	0.324602330170606
PRAD	TAF3	cg12590721	-0.0629705486089312	503	-1.41086429421472	0.158906500602145	0.00396528999210976	0.328234175252724
PRAD	TAF3	cg12777293	0.0397413638946399	503	0.889346495647642	0.374244563975208	0.00157937600420619	0.572895602233168
PRAD	TAF3	cg27268107	-0.067341708789284	503	-1.5092323876116	0.131871037104313	0.00453490574266072	0.288930757069029
PRAD	TCEA1	cg01677098	-0.238476612652771	503	-5.49092192770513	6.37136228531562e-08	0.05687109478234	1.45140192569207e-06
PRAD	TCEA1	cg06047473	-0.0503340592479394	503	-1.12693223723134	0.260311670064476	0.00253351752037507	0.455450285878052
PRAD	TCEA1	cg11530293	0.0299848677050418	503	0.670783640858828	0.502668098433151	0.000899092291288859	0.686223948727827
PRAD	TCEA1	cg11787876	0.0137039890918968	503	0.306459289497775	0.759382544174315	0.000187799317030825	0.866060186928556
PRAD	TCEA1	cg12850379	-0.0299839227989066	503	-0.670762483589127	0.502681567226304	0.00089903562641079	0.686223948727827
PRAD	TCEA1	cg23569945	-0.0915739530767447	503	-2.0562958232074	0.0402724739879381	0.00838578888210185	0.123063745833045
PRAD	TCEA1	cg26181865	-0.31092056941276	503	-7.31495442248656	1.03101418163367e-12	0.0966716004839548	5.80366984413964e-11
PRAD	TCEA1	cg26358945	-0.0277179097753938	503	-0.62002952920993	0.535520811059624	0.000768282522316872	0.711886433512285
PRAD	TDRD1	cg00337703	-0.379821316174585	503	-9.1810952726763	1.12873217260154e-18	0.144264232220594	1.31253498707569e-16
PRAD	TDRD1	cg02635786	-0.673717510017416	500	-20.3244155322787	2.73585225230405e-67	0.453895283304067	2.99764633965833e-64

PRAD	TDRD1	cg16550453	-0.774913740998889	503	-27.414179165679	1.1065462082468e-101	0.600491305988893	3.74272416192832e-98
PRAD	TDRD1	cg23504215	-0.76025757998675	503	-26.1688842983719	1.00213163894223e-95	0.57799158792731	2.29293613881975e-92
PRAD	TDRD1	cg23825092	-0.751915614929674	503	-25.5033833733194	1.59793679788271e-92	0.565377091975069	3.35972689876994e-89
PRAD	TDRD1	cg24203376	-0.777826973624464	503	-27.6743602954304	6.39731059242306e-103	0.605014800897793	2.26214718284982e-99
PRAD	TDRD1	cg26600802	-0.762204541728237	503	-26.3285291919925	1.71598125835296e-96	0.580955763431151	4.30622729071968e-93
PRAD	TDRD1	cg27547703	-0.773126886956082	503	-27.256767918404	6.22469706596615e-101	0.597725183334402	2.01768368145738e-97
PRAD	TDRD3	cg01557749	-0.050625303677054	503	-1.13346962571723	0.257560273697185	0.0025629213410722	0.452080141061772
PRAD	TDRD3	cg03447530	-0.173250781686774	503	-3.93348847775066	9.55543488473974e-05	0.0300158333550783	0.000926797177835824
PRAD	TDRD3	cg05666423	-0.196719922942294	503	-4.48645782289278	8.99376285210225e-06	0.0386987280824219	0.000119091197841097
PRAD	TDRD3	cg10765900	0.237794035132537	503	5.47426219265985	6.96337391159549e-08	0.0565460031446141	1.5669907725735e-06
PRAD	TDRD3	cg18522102	0.0496743243431901	503	1.11212461230218	0.266619007636839	0.00246753849895245	0.462306008694979
PRAD	TDRD3	cg19937698	0.064415877438246	503	1.44338050605731	0.149539528624959	0.00414940526613912	0.315017414223242
PRAD	TDRD3	cg20944895	-0.219770286449147	503	-5.03736834534502	6.60339745252827e-07	0.0482989788059399	1.18447014392895e-05
PRAD	TDRD3	cg22045829	0.1603263017573	503	3.6319882411822	0.00031027189365989	0.0257045230351727	0.00251257507664696
PRAD	TDRD3	cg23103367	-0.0219156139144353	503	-0.490165750817869	0.624231625319326	0.000480294133246589	0.777416684102018
PRAD	TDRD3	cg23767211	0.109832151891459	503	2.47086997297649	0.0138108147598167	0.0120631015891084	0.0547966809519651
PRAD	TDRD3	cg26737458	-0.0310835711060912	503	-0.695385797793617	0.487136611185356	0.000966188392707428	0.673460673003032
PRAD	TDRD5	cg05378938	-0.365387482405658	503	-8.77720802651979	2.66181176651875e-17	0.133508012298745	2.72464453374421e-15
PRAD	TDRD5	cg07171496	-0.408227811117974	503	-9.99939804168649	1.39308784333016e-21	0.166649945770172	2.10844116116783e-19
PRAD	TDRD5	cg07901138	-0.391171408487137	503	-9.50417150350744	8.39706573720869e-20	0.15301507081781	1.10344819587908e-17
PRAD	TDRD5	cg09656934	0.0773791547503726	503	1.73545384522316	0.0832765635937625	0.00598753358988211	0.208832989111378
PRAD	TDRD5	cg11853788	0.0339802377751014	503	0.760260262090103	0.447457367545061	0.00115465655925243	0.639056192261231
PRAD	TDRD5	cg12277666	-0.35902156103186	503	-8.60142979682355	1.02069679018206e-16	0.128896481285753	9.87613011137102e-15
PRAD	TDRD5	cg13848905	-0.389358799541052	503	-9.45223992648168	1.28027626672378e-19	0.151600274780049	1.65170500652587e-17
PRAD	TDRD5	cg15545772	-0.34569481925231	503	-8.23785993371972	1.54569342653402e-15	0.119504908057887	1.28880679982623e-13
PRAD	TDRD7	cg24339935	0.148144989945285	503	3.34958314461556	0.000870472305490409	0.0219469380458885	0.00597894424627591
PRAD	TDRD9	cg07613153	0.0514044006776245	503	1.15095900263174	0.250299211646948	0.00264241240902576	0.443923636735955
PRAD	TDRD9	cg08933517	-0.00674643074242563	503	-0.150858210599667	0.880148407680494	4.55143277623457e-05	0.936404904622083
PRAD	TDRD9	cg16701547	-0.0631729790121139	503	-1.41541792043145	0.157568541815723	0.00399082527726499	0.326302697705701
PRAD	TRIM24	cg00733782	0.037131321185049	503	0.830854544325642	0.406452370000532	0.00137873501294727	0.602736478685121
PRAD	TRIM24	cg02308366	-0.0390595811423065	503	-0.874065800201641	0.382502040291592	0.00152565087901242	0.580872659387512
PRAD	TRIM24	cg06386929	-0.0342313681021551	503	-0.765885519102274	0.444105820404292	0.00117178656214524	0.636088940121463
PRAD	TRIM24	cg06650216	-0.0512519583628255	503	-1.14753677353304	0.251708616083137	0.0026267632360248	0.445487887147572
PRAD	TRIM24	cg10571650	0.146821654982844	503	3.31900008030731	0.00096930637644156	0.0215565983719014	0.00654237122369085
PRAD	TRIM24	cg10703331	0.0367978251020078	503	0.823382034907477	0.410683320218682	0.00135407993223795	0.606536397712195
PRAD	TRIM24	cg13935558	0.191406840149583	503	4.36061133885467	1.57568567997413e-05	0.0366365784560482	0.000194600558482151
PRAD	TRIM24	cg26889928	0.105749661358827	503	2.37796809440525	0.0177832097664318	0.0111829908775066	0.0665337289926689
PRAD	TRIM33	cg00760200	0.115081266258333	503	2.59050645995293	0.00986322662614484	0.0132436978436212	0.0421616491100781
PRAD	TRIM33	cg02852257	0.123801774162042	503	2.78975348769358	0.00547618563641753	0.0153268792856693	0.0266709062417496
PRAD	TRIM33	cg05792124	0.0164247645879746	503	0.367318450953795	0.713536910140956	0.000269772891770385	0.837010922939557
PRAD	TRIM33	cg16036305	0.141506257748161	503	3.19633972796109	0.00147986558122085	0.0200240209818889	0.00929699289554184
PRAD	TRIM33	cg17645130	0.0903005820806706	503	2.02746549408037	0.0431447318219566	0.00815419512410793	0.129430867937579
PRAD	TRIM33	cg18199720	0.206858690055397	503	4.72775841419311	2.95627045733383e-06	0.0427905176514347	4.45611517066127e-05
PRAD	TRIM33	cg20932765	-0.163289862384611	503	-3.70094591146198	0.000238655694638867	0.026663579157585	0.00201279066660191
PRAD	TRIM33	cg20992663	-0.0118657225455664	503	-0.265344302422752	0.7908536005838	0.000140795371528363	0.885181823564442
PRAD	TRIM33	cg21666217	0.040201782582756	503	0.899666493692886	0.368730837630169	0.00161618332283119	0.567505981969911
PRAD	TRIM33	cg21813112	-0.185583979502671	503	-4.2231467224068	2.86284163200789e-05	0.0344414134480479	0.000327180699163247
PRAD	TRIM66	cg06492264	0.0674443189705044	503	1.51154254158424	0.131282016379478	0.00454873616139514	0.288037712785208
PRAD	TRIM66	cg11245569	-0.0149756034535493	503	-0.333896011125089	0.738598864892886	0.000224268698797959	0.852817218485746
PRAD	TRIM66	cg12608775	0.0989051030116851	503	2.2224824570627	0.0266972957367625	0.00978221940175204	0.0904844431902453
PRAD	TRIM66	cg13143389	0.142511548389305	503	3.21951625172334	0.00136753432271674	0.0203095414243172	0.00871016580165599
PRAD	TRIM66	cg27044202	-0.0848826417296413	503	-1.90490846871465	0.0573654478488409	0.00720506286700264	0.159319112132831
PRAD	UBE2A	cg00142683	-0.0608937528217708	503	-1.36415723711437	0.173131800942753	0.00370804913271892	0.348017243030943
PRAD	UBE2A	cg00428314	-0.0904681302834697	503	-2.03125836862711	0.0427572117841194	0.00818448259698684	0.128565806027125
PRAD	UBE2A	cg00935924	0.0429522241643193	503	0.961328113564109	0.336851873709167	0.00184489356066194	0.536439194745771
PRAD	UBE2A	cg05206294	-0.0822570304489602	503	-1.84557750555467	0.0655445993192125	0.00676621905828117	0.175620877572461
PRAD	UBE2A	cg06206449	0.0973622078392643	503	2.1874778275368	0.0291700180504056	0.00947939951533609	0.0967120859279431

PRAD	UBE2A	cg06273903	-0.0431299596076957	503	-0.965313468300651	0.334854477620347	0.00186019341576146	0.534439892330993
PRAD	UBE2A	cg09080960	0.00426511861004945	503	0.0953718189113138	0.924057709349738	1.81912367577901e-05	0.960043610154564
PRAD	UBE2A	cg14625604	-0.0711773255505957	503	-1.59562039146152	0.111205404841241	0.00506621167253549	0.256900171172071
PRAD	UBE2A	cg15661671	0.0199265021908734	503	0.445658621139822	0.656036759749928	0.000397065489562884	0.799519428633871
PRAD	UBE2A	cg16211147	-0.064564814878566	503	-1.44673173337898	0.14859867473353	0.00416861532030349	0.31368949588137
PRAD	UBE2A	cg17976175	-0.0271446798344649	503	-0.607197236272139	0.543995661745118	0.000736833643315606	0.718230246901431
PRAD	UBE2A	cg18990292	0.0276565988833301	503	0.618656998046877	0.536424077463913	0.000764887461793417	0.712547274258077
PRAD	UBE2A	cg25165659	-0.10641216301454	503	-2.39303570309099	0.0170775335273496	0.011323548437433	0.0644729517240917
PRAD	UHRF2	cg06523306	-0.00581761391369556	503	-0.13008800318762	0.896549119450458	3.38446316488242e-05	0.94518494394342
PRAD	UHRF2	cg08487038	-0.0060659836134647	503	-0.135642012676437	0.892158881502278	3.67961571988223e-05	0.942869284439454
PRAD	UHRF2	cg13428749	-0.0544581251765355	503	-1.21953041396828	0.223217897447378	0.00296568739774321	0.411971557353831
PRAD	UHRF2	cg14078101	0.0424912500910358	503	0.950992135549361	0.342067827754144	0.00180550633429895	0.541259727301256
PRAD	UHRF2	cg20595300	0.0834695755885253	503	1.87297251405618	0.0616554255849921	0.00696717004892855	0.167953714474363
PRAD	UHRF2	cg24119045	0.0455012715079167	503	1.01849423559043	0.308935696219562	0.00207036570883716	0.507567973636845
PRAD	USP27X	cg00478198	-0.0622898755399797	503	-1.3955398615933	0.163468289218341	0.00388002859478616	0.334517470556129
PRAD	USP27X	cg01125381	-0.138546145035586	503	-3.12815396485335	0.00186167550493435	0.0191950343042217	0.0112156109525953
PRAD	USP27X	cg01290688	-0.229344324183839	503	-5.26873114727929	2.04570046975794e-07	0.0525988190353416	4.13144398609423e-06
PRAD	USP27X	cg01855997	0.0989713771761026	503	2.2239864212531	0.0265952521436545	0.00979533350013436	0.0902401874852832
PRAD	USP27X	cg06455206	-0.285435282442034	503	-6.65957883939278	7.25130400948201e-11	0.0814733004627636	2.96742737566356e-09
PRAD	USP27X	cg06624970	-0.00553237061398578	503	-0.123709460905874	0.901595034162191	3.06071246104934e-05	0.948060627034455
PRAD	USP27X	cg16810342	0.0443379551751292	503	0.992402757022211	0.321481106620068	0.00196585426911176	0.520974827857601
PRAD	USP27X	cg16867483	-0.017165012296429	503	-0.383877899901191	0.701232132674377	0.00029463764713656	0.828824686513372
PRAD	USP27X	cg19318186	-0.0987784202849773	503	-2.21960772028691	0.0268932898991837	0.00975717631399562	0.0909941107523095
PRAD	USP51	cg00834229	0.0275882365933062	503	0.61712661959075	0.537432129413667	0.000761110798328242	0.713330650302655
PRAD	USP51	cg01084827	-0.119801498760553	503	-2.69016929262495	0.00738189584591607	0.0143523991052749	0.0337645346564672
PRAD	USP51	cg02714202	-0.0346465933034435	503	-0.775186779704833	0.43859575278453	0.00120038642753422	0.63128120764713
PRAD	USP51	cg03728850	-0.0978628276003039	503	-2.19883394392219	0.0283469973140441	0.00957713302592679	0.0946611568101283
PRAD	USP51	cg07386410	0.000111946842772093	503	0.00250320751873403	0.998003729842307	1.25320956066397e-08	0.99896681840158
PRAD	USP51	cg12064531	-0.00262968869947031	503	-0.0588018302321882	0.953133443754579	6.91526265612185e-06	0.975242720912199
PRAD	USP51	cg12517811	-0.0267658249348604	503	-0.598716541781249	0.549633063133689	0.000716409384443595	0.72251021482633
PRAD	USP51	cg18770944	-0.0738548678910431	503	-1.65596749786696	0.0983558113929209	0.00545454151120343	0.235271262268645
PRAD	USP51	cg21331369	-0.0697586523622026	503	-1.5636601226939	0.118530073001847	0.00486626957939064	0.268471685177479
PRAD	USP51	cg25424556	0.0293631802034758	503	0.656863903600065	0.511570646105239	0.000862196351661795	0.693656020133355
PRAD	WDR82	cg01736403	0.0773449329744853	503	1.73468170164622	0.0834134513121481	0.00598223865682763	0.209075169358419
PRAD	WDR82	cg03869063	-0.0073429062897553	503	-0.164196802826709	0.869642571326038	5.39182727801279e-05	0.930846244358587
PRAD	WDR82	cg10989431	0.143004044722905	503	3.2308742399292	0.0013154138674642	0.0204501568071107	0.00842718491357245
PRAD	WDR82	cg11442381	-0.162361779545868	503	-3.67933982741176	0.000259223447385015	0.0263613474573011	0.00215748677285437
PRAD	WDR82	cg11665333	-0.0352621383549297	503	-0.78897605017907	0.430499945256927	0.00124341840136221	0.624493039854504
PRAD	WDR82	cg12661343	0.00344505173591322	503	0.077034155811786	0.938627188487217	1.18683814631187e-05	0.967199618704618
PRAD	WDR82	cg13539115	0.0430581992938679	503	0.963704378623346	0.33566000448058	0.00185400852643045	0.53522152614298
PRAD	WDR82	cg15991175	-0.181767269099414	503	-4.13329384929065	4.19293656063319e-05	0.0330393401158588	0.000455757030596476
PRAD	WDR82	cg17632831	0.0487928651139555	503	1.09234270095126	0.275208537736181	0.00238074368602865	0.4717011761842
PRAD	WDR82	cg24007312	0.0660990267628942	503	1.48125858268669	0.139167568333797	0.00436908133900181	0.300008363426147
PRAD	WDR82	cg26236504	0.0442092227764064	503	0.989515728716976	0.322889481865802	0.00195445537849393	0.522265143718152
PRAD	WDR82	cg26858096	-0.0142730203361647	502	-0.318867604351416	0.749960339031554	0.000203719109516571	0.859955347144833
PRAD	ZMYND1	cg00614684	0.00937047228556811	503	0.209539329699119	0.834112583587001	8.78057508546e-05	0.911016248439036
PRAD	ZMYND1	cg02813021	0.0600778265702524	503	1.34581198707699	0.178973070308324	0.00360934524540532	0.355732927043761
PRAD	ZMYND1	cg02867818	-0.254193171452445	503	-5.87697019459623	7.63905012277842e-09	0.0646141684130521	2.14152167658171e-07
PRAD	ZMYND1	cg03254875	-0.0620258998844408	503	-1.38961693665713	0.165263666581462	0.00384721225647467	0.337237931905627
PRAD	ZMYND1	cg05236965	0.153007216925602	503	3.46211149692484	0.000581905811513978	0.0234112084313182	0.00426259705281717
PRAD	ZMYND1	cg08828193	-0.00293535895181531	503	-0.0656369043215101	0.947693142015597	8.61633217600227e-06	0.972174329662575
PRAD	ZMYND1	cg12639781	-0.00667022119851678	503	-0.149153998354067	0.881492257296856	4.44918508371426e-05	0.93712488196527
PRAD	ZMYND1	cg13939078	0.0904966575075039	503	2.03190417133566	0.0426915247237136	0.00818964502003045	0.128422894488093
PRAD	ZMYND1	cg14255089	0.328422335116756	503	7.77501938190747	4.33535788873433e-14	0.107861230203543	3.00860688310614e-12
PRAD	ZMYND1	cg14694828	-0.0338807350012735	503	-0.758031464585067	0.448789271559639	0.00114790420422652	0.640079064840234
PRAD	ZMYND1	cg17632565	-0.253831859298542	503	-5.86804089356185	8.03391809828428e-09	0.0644306127949548	2.24171673076732e-07
PRAD	ZMYND1	cg22593633	-0.129413473550929	503	-2.91831416619492	0.00367781527982321	0.0167478471365169	0.0193869062121268

PRAD	ZMYND1	cg24757747	-0.0276497533660367	502	-0.617884938566409	0.536933073120445	0.00076450886120266	0.712959726395479
SARC	ACTL6A	cg03667091	0.043923502720751	265	0.710291407369331	0.478157607322885	0.00192927409125982	0.665744226367837
SARC	ACTL6A	cg03839554	-0.197967223331444	265	-3.26283429946798	0.00125010197991697	0.0391910215135619	0.00808638167248912
SARC	ACTL6A	cg07261848	-0.194817041862855	265	-3.20884845412145	0.00149926061430351	0.0379536798001933	0.00939683211642984
SARC	ACTL6A	cg10112003	0.0740398238545329	265	1.199442087317	0.231443820103505	0.00548189551641026	0.421939074836262
SARC	ACTL6A	cg20132173	0.146500863269684	265	2.39260883098158	0.0174366407932142	0.0214625029387628	0.0655392585334737
SARC	ACTL6A	cg22619386	0.18897195496833	265	3.10895093537264	0.00208541500627786	0.0357103997645526	0.0122996507093302
SARC	ACTL6A	cg25198545	0.168034646892105	265	2.75383939491971	0.00630404505202726	0.0282356425561545	0.029827167931211
SARC	ACTL6A	cg25575835	-0.0178091780884378	265	-0.28776171511118	0.773757505045601	0.000317166824185691	0.874551477510264
SARC	ACTL6B	cg05729836	0.10484400657002	265	1.70319360856814	0.0897222326557522	0.0109922657136545	0.220351413285187
SARC	ACTL6B	cg08572611	-0.0559201742179578	265	-0.904833907971623	0.366387843166955	0.00312706588456676	0.565273305264068
SARC	ACTL6B	cg09375063	-0.0525872004510561	265	-0.850749374882854	0.395688396759069	0.00276541365127955	0.592406961841982
SARC	ACTL6B	cg14088161	0.0685540293784195	264	1.10800720107182	0.268882641662519	0.0046996549440172	0.464760064556491
SARC	ACTL6B	cg16024950	0.0486691870700266	265	0.787207658319876	0.431874565897343	0.00236868977005724	0.625670415647098
SARC	ACTL6B	cg20497359	0.0220252022254661	265	0.355914370883201	0.722192198284998	0.000485109533072677	0.842595583200313
SARC	ACTL6B	cg24471254	-0.163271188486976	265	-2.67360324776272	0.00797734065154666	0.0266574809899498	0.0358473451158977
SARC	ACTL6B	cg26990587	0.0212611513910931	265	0.343562072777213	0.731452243935121	0.000452036558474982	0.848228201240675
SARC	AEBP2	cg02664216	0.105042091308479	265	1.70644736789928	0.0891142744798972	0.0110338409464589	0.219286997949728
SARC	AEBP2	cg07849438	-0.110027763966713	265	-1.78841124058041	0.074869489392872	0.0121061088435146	0.193655973461534
SARC	AEBP2	cg08161947	-0.263731308132263	265	-4.41709157719934	1.46691644302843e-05	0.0695542028891545	0.00018282168819121
SARC	AEBP2	cg24304000	0.147645543570376	265	2.41171836967705	0.0165683151845558	0.0217992065361917	0.0629599214276735
SARC	AEBP2	cg26259627	-0.0530288097462823	265	-0.857913739400221	0.391727218874455	0.00281205466310741	0.588761722527386
SARC	AFF4	cg00931577	0.0109785605155295	265	0.177374762868652	0.859351604137506	0.000120528790993143	0.925318851780841
SARC	AFF4	cg01907658	-0.235036083793311	265	-3.9065598985031	0.000119317262726545	0.0552419606848964	0.00112144099752915
SARC	AFF4	cg05619425	0.0204485131892728	265	0.330424930197981	0.741343987920818	0.000418141691651865	0.854447562964576
SARC	AFF4	cg06638012	-0.00039761612067799	265	-0.0064236855272611	0.994879582829596	1.58098579423013e-07	0.997348081450852
SARC	AFF4	cg13393914	-0.107770476976753	265	-1.75128517205855	0.0810714712172648	0.0116144757077969	0.20486175637874
SARC	AFF4	cg13565585	-0.194233518016998	265	-3.19885977653468	0.00155012785544206	0.0377266595212596	0.00965806874789844
SARC	AICDA	cg07999668	0.0515504456799577	265	0.833931740044716	0.405082015423507	0.00265744844980227	0.601541418822538
SARC	AIRE	cg08089567	-0.0143621229008132	265	-0.232051130297825	0.816680141816268	0.000206270574218064	0.901426887139977
SARC	AIRE	cg09510531	-0.0560417495472032	265	-0.906807286720166	0.365345139952347	0.00314067769231145	0.564296298030065
SARC	AIRE	cg11923631	-0.0389410040917187	265	-0.62958871019694	0.529514435989719	0.00151640179967125	0.707700095584765
SARC	AIRE	cg12843033	0.00470068922989248	265	0.0759427976691404	0.939522785893377	2.20964792360272e-05	0.967736085663075
SARC	AIRE	cg15955655	-0.00646415751907083	265	-0.104433842662632	0.916905274062014	4.178533243136e-05	0.956149768640907
SARC	AIRE	cg16501323	-0.0305078592680573	265	-0.493099074554677	0.622357195738899	0.000930729477119591	0.776339806383682
SARC	AIRE	cg16717549	0.00390454218623743	265	0.0630802903534225	0.949750850948612	1.52454496841078e-05	0.973363143856298
SARC	AIRE	cg17356252	-0.0303574379459383	265	-0.490665563820565	0.624075270280396	0.000921574038641494	0.777361123005622
SARC	AIRE	cg18689454	-0.00547713199723293	265	-0.0884871026977286	0.929557391958054	2.99989749151128e-05	0.962671899544514
SARC	AIRE	cg18876487	0.113894466405566	265	1.85207312728365	0.0651444671871265	0.0129719494778086	0.174890849038829
SARC	AIRE	cg23272544	-0.0146264441189595	265	-0.236322716319132	0.813367614835631	0.000213932867565044	0.899458694327103
SARC	AIRE	cg27251412	-0.0457124637234357	265	-0.739280267476405	0.460401184175529	0.00208962933966643	0.650179710671322
SARC	ARID1A	cg04081153	0.00851371503369922	265	0.137548260801612	0.890703499539057	7.24833436750361e-05	0.942175949678306
SARC	ARID1A	cg04360147	-0.030478326114616	265	-0.492621285621094	0.622694355078458	0.000928928362748885	0.776523807110488
SARC	ARID1A	cg14851949	-0.0466070351557746	265	-0.753778826641554	0.451661503698651	0.00217221572601161	0.642256251713331
SARC	ARID1A	cg17385674	-0.0834672176200033	265	-1.35317604454514	0.177170269042229	0.00696677641722499	0.353386593248324
SARC	ARID1A	cg20413923	-0.047732253675641	265	-0.772018130206255	0.440802146976681	0.00227836804095574	0.633378811287267
SARC	ARID1A	cg21294655	-0.353811460635352	265	-6.11129757775204	3.57926711999466e-09	0.125182549676921	1.06480117144499e-07
SARC	ARID1A	cg24542126	-0.0332747174731145	265	-0.537867360183766	0.591126956184538	0.00110720682291559	0.753895708538311
SARC	ARID1A	cg25601319	-0.135403934520751	265	-2.20785075530113	0.0281245855584901	0.0183342254836997	0.0941245002769276
SARC	ARID2	cg00035453	-0.238623321807075	261	-3.93921819636384	0.000105374981522884	0.0569410897102431	0.00100768939934836
SARC	ARID2	cg01183821	-0.0237395809688037	265	-0.383632784666817	0.701562950842302	0.000563567704574387	0.829040408886651
SARC	ARID2	cg01353809	-0.331742578786626	265	-5.68119154566144	3.56412020856635e-08	0.110053138580001	8.62417317279037e-07
SARC	ARID2	cg01751433	-0.0779005221482318	265	-1.2623575827661	0.207946920757689	0.00606849135096715	0.39301821514112
SARC	ARID2	cg06613666	-0.0889938671287141	265	-1.443467351245	0.150088033759096	0.00791990838652321	0.315729837640977
SARC	ARID2	cg07276957	-0.206809636972984	265	-3.41493881292794	0.000739587167693897	0.0427702259448973	0.00521910777608663
SARC	ARID2	cg23465749	-0.146035424700294	260	-2.3618877402722	0.018931272137009	0.0213263452673953	0.069768316103391
SARC	ARID4A	cg02136725	-0.153538837442069	265	-2.51026096525126	0.0126697317695824	0.023574174603062	0.0513188125212378

SARC	ARID4A	cg06154646	0.0656713843874405	265	1.06324891460124	0.288651826215443	0.00431273072736296	0.486190133176937
SARC	ARID4A	cg08066755	-0.30480244611435	265	-5.17025785264123	4.6563644527303e-07	0.0929045311572912	8.6576772522873e-06
SARC	ARID4A	cg08790491	-0.310075085828633	265	-5.2691203512957	2.8720120460586e-07	0.0961465588516339	5.59542462086358e-06
SARC	ARID4A	cg10064886	0.00827646965119879	265	0.133715039094027	0.893730956349447	6.84999498872146e-05	0.943671783843654
SARC	ARID4A	cg10242170	-0.0858786633127651	265	-1.39255692375623	0.164938994848024	0.00737514481238727	0.336805107100485
SARC	ARID4A	cg10844118	-0.323808168684592	265	-5.52917792985559	7.80009000605208e-08	0.104851730106869	1.73918085964694e-06
SARC	ARID4A	cg12203852	0.107399298317012	265	1.74518295917269	0.0821299168307379	0.0115346092789866	0.206877825085171
SARC	ARID4A	cg14272338	-0.257349029758082	265	-4.30251593047643	2.3894250627769e-05	0.0662285231174264	0.000279607300441737
SARC	ARID4A	cg14460816	-0.13800207925923	265	-2.25102981179295	0.025216076664456	0.0190445738798708	0.0867798924147176
SARC	ARID4A	cg17323045	0.0010795738632886	265	0.0174410596894557	0.986098078300861	1.16547972629588e-06	0.99277163664877
SARC	ARID4A	cg19548283	-0.269151578766885	265	-4.51488592300973	9.59691870532292e-06	0.0724425723527069	0.000126282593667438
SARC	ARID4A	cg20996579	-0.17481628496599	265	-2.86841402408495	0.00446254757410672	0.0305607334893103	0.0226473042768703
SARC	ARID4A	cg26429530	-0.310756318279675	265	-5.2819324697633	2.69632336748959e-07	0.0965694893507389	5.2955763708782e-06
SARC	ARID4A	cg27026909	-0.304262017698795	265	-5.16015461136677	4.89018973039288e-07	0.092575375414142	9.04057556763745e-06
SARC	ARID4B	cg05652840	0.0409694069084763	265	0.662437206118306	0.508275584708416	0.00167849230243231	0.690816783434729
SARC	ARID4B	cg06212607	-0.0865444379380382	255	-1.38720866594412	0.166589373648355	0.00748993973801095	0.339084813508421
SARC	ARID4B	cg06891548	-0.255057619070705	262	-4.23696601665185	3.15603614853374e-05	0.065054389046017	0.000356343506732996
SARC	ARID4B	cg07814876	-0.398547551722217	265	-7.02038827277109	1.90996923053853e-11	0.158840150983773	8.59861957873348e-10
SARC	ARID4B	cg10107779	-0.0470157909668504	265	-0.760404244573057	0.447699352692539	0.00221048460023857	0.639211924641096
SARC	ARID4B	cg11732257	-0.478541966501147	265	-8.80468401256381	1.85485243463828e-16	0.229002413702784	1.74481729504535e-14
SARC	ARID4B	cg22596515	0.0756994863931612	265	1.22648180211333	0.221122736116929	0.0057304122401884	0.409406243508114
SARC	ARID4B	cg23687319	-0.408744588721904	265	-7.23550045507598	5.16581322785504e-12	0.167072138809438	2.58436832313669e-10
SARC	ARID4B	cg26020585	0.0530637770209596	265	0.858481045849295	0.391414592525679	0.00281576443173012	0.588502479869787
SARC	ASH1L	cg03119126	-0.0886678507405228	265	-1.43813743289775	0.151593010047143	0.00786198775494364	0.317982760094035
SARC	ASH1L	cg08095278	0.168351938295532	265	2.75919086222191	0.00620465025676329	0.0283423751278626	0.029453536860791
SARC	ASH1L	cg09410084	0.0942584725546924	265	1.52960238605975	0.127326231519165	0.00888465964834369	0.282114815126152
SARC	ASH1L	cg10558228	-0.151160490430989	250	-2.39841932713424	0.0172116186271762	0.0228494938673371	0.0648721249749294
SARC	ASH1L	cg17038116	-0.0480290053018722	265	-0.776828833216255	0.43796322561457	0.00230678535028726	0.630822361310793
SARC	ASH1L	cg20064047	-0.127465075816416	265	-2.07619673474952	0.0388546201447845	0.0162473455528847	0.119880079302902
SARC	ASH1L	cg21852905	-0.317927026518853	265	-5.41734630929863	1.37405412990551e-07	0.101077594191119	2.8968337935466e-06
SARC	ASH1L	cg23821590	-0.286599530281956	265	-4.83289476082844	2.29866066917133e-06	0.0821392907578375	3.57072699875229e-05
SARC	ASH1L	cg24312492	-0.273676469864472	265	-4.59687922085895	6.86891041858731e-06	0.0748988101574794	9.17624817610833e-05
SARC	ASH1L	cg26185843	-0.310850356005288	265	-5.28370176910069	2.67289732863156e-07	0.0966279438286145	5.25354660898342e-06
SARC	ASH2L	cg00590869	0.301977386978848	265	5.11750422303944	6.0090786955728e-07	0.0911903422465726	1.08815239302465e-05
SARC	ASH2L	cg01642070	-0.0130567868420247	265	-0.210956829680925	0.833085570826597	0.000170479682638069	0.910495348368702
SARC	ASH2L	cg02897270	0.137351130831845	265	2.2402071679358	0.0259193496541731	0.0188653331407867	0.0885149204124996
SARC	ASH2L	cg03189282	-0.118554496305724	265	-1.92891005087101	0.0548263036553749	0.0140551685943039	0.154272720611789
SARC	ASH2L	cg03705346	0.100870711782208	265	1.6379706211534	0.102632794885697	0.0101749004954494	0.242679517402222
SARC	ASH2L	cg10062221	-0.0221933635125689	265	-0.358633092834971	0.720159505727813	0.000492545384001026	0.841316222741654
SARC	ASH2L	cg21453287	0.0877673413926763	265	1.42341776203425	0.155809359103334	0.00770310621513859	0.323983461038111
SARC	ASH2L	cg24318412	0.0529862815298945	265	0.857223769063282	0.392107647096586	0.00280754603036524	0.589168739101322
SARC	ASH2L	cg27255459	0.240883714224946	265	4.00966413488896	7.94238598291697e-05	0.0580249637788053	0.000789812060788754
SARC	ASXL1	cg00174466	-0.141187569377133	265	-2.30403482047391	0.0220065149379892	0.0199339297466227	0.0782652840397702
SARC	ASXL1	cg04218270	-0.236081230341017	265	-3.92495441512812	0.00011102880595099	0.0557343473193285	0.00105501098450608
SARC	ASXL1	cg09065199	0.13580541646092	265	2.21452000389744	0.0276571852206269	0.018443111140124	0.0929200201707384
SARC	ASXL1	cg10421984	-0.224866319119305	265	-3.72830998628056	0.000236414903390794	0.0505648614742649	0.00199692301784836
SARC	ASXL1	cg12592359	-0.19207083982909	265	-3.16187003771351	0.00175274093016266	0.0368912075126519	0.0106775824527074
SARC	ASXL1	cg16926526	0.0334835694020597	265	0.541247113216693	0.588798941546139	0.00112114941990255	0.752246224542877
SARC	ASXL1	cg18793288	-0.221235696247478	265	-3.66498913763411	0.000299588603613179	0.0489452332941062	0.00244043935387264
SARC	ASXL1	cg24727216	-0.0436071525476984	265	-0.705165894762299	0.481335830375105	0.00190158375331824	0.668592286062006
SARC	ASXL2	cg05165989	-0.0500741364779123	265	-0.809988560301118	0.418684620208011	0.00250741914400858	0.614144458272122
SARC	ASXL2	cg05496738	-0.179185750801425	265	-2.94245730252267	0.00354894482421064	0.0321075332902702	0.0188557993207651
SARC	ASXL2	cg06583696	-0.169458322671842	265	-2.7778581648071	0.00586894612149433	0.0287161231227542	0.0281815193244571
SARC	ASXL2	cg09476286	-0.0770317828345786	265	-1.2481953785209	0.213078082347758	0.00593389556667367	0.399474547250548
SARC	ASXL2	cg19084174	-0.0873069912835475	265	-1.41589426803912	0.157998692135792	0.00762251072698543	0.326993276118328
SARC	ASXL2	cg20667782	-0.0127981031912146	265	-0.20677661952437	0.836345538309513	0.000163791445292978	0.91237908327257
SARC	ASXL2	cg24738909	-0.110422689251225	265	-1.79490952076523	0.0738250851055836	0.0121931703014727	0.19163631321378

SARC	ASXL3	cg09963640	-0.121496189130108	265	-1.97748038203494	0.0490393777059107	0.0147613239731389	0.142216937530424
SARC	ASXL3	cg12361352	-0.0717025727214914	235	-1.09259703725716	0.275708917061859	0.00514125893488077	0.4721531136529
SARC	ASXL3	cg17880622	-0.0732781161543401	265	-1.18703548829406	0.236292891631461	0.00536968230712896	0.427591747187204
SARC	ASXL3	cg20034091	-0.0515292841483818	265	-0.833588498288715	0.405275121558797	0.00265526712484467	0.601710958481136
SARC	ASXL3	cg20329085	-0.0725564067196295	265	-1.17528230323118	0.240952826252591	0.0052644321560643	0.43311997799812
SARC	ASXL3	cg24880056	-0.108451249950448	265	-1.76247907293373	0.0791588219563671	0.0117616736158146	0.201446271034852
SARC	ASXL3	cg27109877	-0.0945220015738994	257	-1.51022609837575	0.132233641993951	0.00893440878153624	0.289517710631205
SARC	ATAD2B	cg08192560	-0.170122440921878	265	-2.7890685874657	0.00567534368601164	0.028941644905218	0.0274449982414117
SARC	ATAD2B	cg14009731	-0.168346902138453	265	-2.75910591502393	0.00620621686437747	0.0283406794596139	0.0294591759562744
SARC	ATAD2B	cg15717719	0.05920341891879	265	0.9581411141859998	0.338878283491943	0.00350504481167374	0.538212841108203
SARC	ATAD2B	cg16929802	0.177746253799002	265	2.91804452148827	0.00382929213367055	0.0315937307395791	0.0200535814370089
SARC	ATAD2B	cg17933838	-0.0934469092862575	265	-1.51631602020815	0.130649654999335	0.00873232485515404	0.287160514805286
SARC	ATAD2B	cg19614157	-0.011962520302085	265	-0.193274259457132	0.846894503537315	0.000143101891977795	0.918218132219423
SARC	ATAD2B	cg20806130	-0.242315764373381	265	-4.03498383197509	7.17780036676553e-05	0.058716929663856	0.000724393264665893
SARC	ATAD2B	cg27610867	-0.264342120258701	265	-4.42808933565714	1.39906840126342e-05	0.0698767565428657	0.000175603625698429
SARC	ATAT1	cg01245721	-0.0599105718938437	265	-0.969626603324734	0.333130326024353	0.00358927662464741	0.532781147624246
SARC	ATAT1	cg05093836	-0.139962576686361	265	-2.28364299480232	0.0231963280545964	0.0195895228726854	0.081467022748151
SARC	ATAT1	cg06814856	-0.156012731771774	265	-2.55170837382295	0.0112903181129449	0.0243399724748914	0.0468661761527367
SARC	ATAT1	cg07142893	-0.16808107683095	265	-2.75462243167328	0.00628941196283931	0.0282512483886516	0.0297723326175685
SARC	ATAT1	cg07816366	-0.159770438239919	265	-2.61475910616638	0.00944829614419409	0.0255265929353759	0.0407507207540852
SARC	ATAT1	cg08081524	-0.13934861951623	265	-2.2734267943816	0.023813267187707	0.0194180377610789	0.0830995190490177
SARC	ATAT1	cg08188471	-0.180974863786996	250	-2.88613651593694	0.00424652353149047	0.0327519013227219	0.0217811071147076
SARC	ATAT1	cg08635134	-0.177161396551347	265	-2.90813132089671	0.00394880004285143	0.0313861604280237	0.0205604009459597
SARC	ATAT1	cg09532691	-0.328611817462441	265	-5.62105104535035	4.86774716810644e-08	0.107985726575968	1.1409506574139e-06
SARC	ATAT1	cg12907138	-0.137231789574682	265	-2.2382233260738	0.0260500964437145	0.0188325640698698	0.088872232443399
SARC	ATAT1	cg13542073	-0.0457048407618315	265	-0.739156727801404	0.460476059998333	0.00208893246906438	0.65023973474008
SARC	ATAT1	cg13964084	-0.126582834554587	265	-2.06159163742868	0.0402368728493154	0.0160232140038738	0.122986109472816
SARC	ATAT1	cg15381130	-0.174712201795289	265	-2.86665242273973	0.00448668545748586	0.0305243534561578	0.0227331888995128
SARC	ATAT1	cg15729859	-0.1829994340848	265	-3.00722936312827	0.00289369054411793	0.033488792875357	0.0159891868874998
SARC	ATAT1	cg18298197	-0.114920266280098	265	-1.86897621334321	0.0627460978466465	0.0132066676018885	0.170120584668108
SARC	ATAT1	cg20629923	-0.125284498560325	265	-2.04010731533984	0.0423462963191996	0.015696205579512	0.127645992554859
SARC	ATAT1	cg22759096	-0.293748568865275	265	-4.96468160391397	1.24400087517616e-06	0.0862882217103973	2.0749529177413e-05
SARC	ATAT1	cg23328390	-0.171884819786343	265	-2.81883684567731	0.00518904581086402	0.0295443912729836	0.025535824596391
SARC	ATAT1	cg26934609	-0.164509938556786	265	-2.69445013104951	0.00750791071676565	0.0270635198839575	0.0342001643225241
SARC	ATF7IP	cg00236831	-0.173870428830171	265	-2.8524091030875	0.00468626374354286	0.0302309260215877	0.0235521158773288
SARC	ATF7IP	cg11409060	-0.0252379352204503	245	-0.395162041296933	0.693067134247418	0.000636953374191644	0.8238263326131
SARC	ATF7IP	cg12526346	-0.252506494447039	265	-4.21598542877464	3.43105214175022e-05	0.0637595297379325	0.000383388782412118
SARC	ATF7IP	cg12948116	-0.260389393765048	265	-4.3570205567664	1.89687175728287e-05	0.0678026363853293	0.000228747855349657
SARC	ATF7IP	cg17439009	0.0164827422044052	265	0.26632302961583	0.790200712673229	0.000271680790576882	0.884692728527037
SARC	ATF7IP	cg19789919	-0.176500773351181	265	-2.89693772914477	0.00408783184199057	0.0311525229935649	0.0211091131971998
SARC	ATF7IP	cg21275967	-0.0784705871864275	265	-1.27165236354271	0.204628637120746	0.00615763305338272	0.388773475898076
SARC	ATF7IP	cg26637901	0.00229545926804154	235	0.0348880523173692	0.972199135820524	5.26913325123781e-06	0.985333709915993
SARC	ATM	cg01756564	-0.372000486302083	265	-6.47451102772164	4.69184146327836e-10	0.138384361808986	1.6433908815591e-08
SARC	ATM	cg01800843	-0.344298206773092	265	-5.92453158411705	9.85395827640788e-09	0.118541255187167	2.69637295165274e-07
SARC	ATM	cg01991180	-0.109231384259207	265	-1.77530985127481	0.0770120541353166	0.0119314953071825	0.197612481158686
SARC	ATM	cg02105423	0.145485083007243	265	2.375659405233377	0.0182401427798376	0.0211659093776245	0.0678156025336782
SARC	ATM	cg03165700	-0.101585734565063	255	-1.62742923144416	0.104885778763061	0.0103196614671234	0.246457977862494
SARC	ATM	cg03569616	-0.342452096123814	265	-5.88853126136097	1.19473459689394e-08	0.117273438139594	3.21269212688446e-07
SARC	ATM	cg04709886	-0.336832649044014	265	-5.77942116751244	2.1310585642201e-08	0.113456233462008	5.45879387372204e-07
SARC	ATM	cg04826772	0.0581134780118722	265	0.940441330951952	0.347860793204775	0.00337717632663635	0.547127687401635
SARC	ATM	cg05033322	-0.0729456137285202	260	-1.1702474524216	0.242989670380366	0.00532106256223048	0.435526079247291
SARC	ATM	cg05637308	-0.276771122515515	265	-4.65314540401388	5.20344225407307e-06	0.0766022542584982	7.36931707106064e-05
SARC	ATM	cg06053805	-0.131615720609622	265	-2.14497659231179	0.0328778966897571	0.0173226979115901	0.10565528317428
SARC	ATM	cg06081482	-0.376359090411913	265	-6.56280481391986	2.82858710079058e-10	0.141646164935683	1.0345421011702e-08
SARC	ATM	cg06750635	-0.159522081575328	265	-2.61058835218703	0.00956125621808893	0.0254472945101255	0.0411193745497269
SARC	ATM	cg09808176	-0.287745934978682	265	-4.85396777310195	2.08547026902311e-06	0.082797723096756	3.27751664865421e-05
SARC	ATM	cg10610482	-0.381799935793711	265	-6.67373561394552	1.48802440114731e-10	0.145771190972082	5.74230177915078e-09

SARC	ATM	cg10976287	-0.352146100154358	265	-6.0784491536835	4.28397991262334e-09	0.124006875853923	1.25524645319254e-07
SARC	ATM	cg11588932	-0.300086239492689	265	-5.08227297850223	7.11708669817915e-07	0.0900517511328634	1.26234984632501e-05
SARC	ATM	cg12019961	-0.206453369208208	235	-3.23455402649472	0.00139343957724564	0.0426229936574205	0.00885124834426775
SARC	ATM	cg12106634	-0.139137516475884	265	-2.26991467427734	0.0240286402046449	0.0193592484910768	0.0836443545767026
SARC	ATM	cg12848864	-0.31698066208981	265	-5.39941642053758	1.50343355128104e-07	0.100476740138894	3.13392576871267e-06
SARC	ATM	cg14761454	-0.0838385462670264	235	-1.28701427497185	0.199360960374884	0.00702890184016832	0.382125486628245
SARC	ATM	cg15370815	0.0744454500742295	265	1.20604973596756	0.228890450021456	0.00554212503675459	0.418853586492499
SARC	ATM	cg15504467	-0.205360357864476	265	-3.38995006220103	0.000807238668631917	0.0421728765822257	0.00561200402033524
SARC	ATM	cg16693212	0.0243629686620959	247	0.379893856453494	0.704356020292424	0.000593554242030267	0.83125507816725
SARC	ATM	cg16788234	0.0997243053187485	265	1.61916683184805	0.106619051956076	0.00994493707130697	0.249273382456902
SARC	ATM	cg17114932	-0.363585618869802	265	-6.30544514809568	1.22033910364862e-09	0.132194502248937	3.97384094722648e-08
SARC	ATM	cg17420659	-0.27115161673841	265	-4.55108741672622	8.18699378675534e-06	0.0735231992598538	0.000109564595672948
SARC	ATM	cg18042593	-0.271592090005532	265	-4.55906868705461	7.90411302948136e-06	0.0737622633535729	0.000106401205920656
SARC	ATM	cg18391757	-0.21015957199611	265	-3.47278925547578	0.000602757307517772	0.0441670457015881	0.00439166593482876
SARC	ATM	cg18457775	-0.342384381908736	265	-5.88721226469373	1.20317755382775e-08	0.117227064975027	3.23316043600954e-07
SARC	ATM	cg19288979	0.126295789266481	265	2.05684080884983	0.0406954474507992	0.0159506263864433	0.123864847567881
SARC	ATM	cg20342375	-0.0746790551273914	265	-1.20985543381012	0.227429013276659	0.00557696127471997	0.417081863716276
SARC	ATM	cg22477592	-0.334945371367624	265	-5.74293402551386	2.58157048756209e-08	0.112188401800596	6.46797727888584e-07
SARC	ATM	cg22678707	-0.271232745975438	265	-4.55255722704411	8.13417834215127e-06	0.0735672024893766	0.000109026579936133
SARC	ATM	cg22837512	-0.299683343475996	265	-5.07477573390148	7.37721594642364e-07	0.0898101063569518	1.30314063881944e-05
SARC	ATM	cg23275463	-0.0961231313473684	242	-1.48981410295791	0.137597120242697	0.00923965638002344	0.297670477535049
SARC	ATM	cg23389069	-0.30383077248032	265	-5.15209647586963	5.08481052782886e-07	0.0923131383059879	9.36914994514507e-06
SARC	ATM	cg24030675	-0.196419624258471	265	-3.23629948769342	0.00136732330531156	0.0385806687938388	0.0087095348573985
SARC	ATM	cg24568245	-0.349732294394898	265	-6.03095486268619	5.54851973676935e-09	0.122312677742719	1.59571735453691e-07
SARC	ATM	cg25400013	-0.292194015039208	265	-4.93594818313056	1.42372012763618e-06	0.085377342424733	2.33516516148701e-05
SARC	ATM	cg25740661	0.0617715642017155	265	0.999859579225796	0.318304540396574	0.00381572614392666	0.517647449945879
SARC	ATM	cg25918541	-0.244079039223295	265	-4.06619833611076	6.33137290933389e-05	0.0595745773881669	0.000652633926207394
SARC	ATM	cg27453365	-0.124340406939592	265	-2.02449157489724	0.043937928665967	0.0154605367979034	0.131248579876001
SARC	ATM	cg27599391	-0.333299096441137	265	-5.71116984296303	3.04846273055904e-08	0.111088287688479	7.51194519040576e-07
SARC	ATR	cg00911981	0.0589642192520295	265	0.95425642901027	0.340836809452651	0.0034767791520014	0.540131569658984
SARC	ATR	cg00969988	-0.189949647417536	265	-3.12563632463007	0.00197471063882232	0.0360808685540462	0.0117735008764978
SARC	ATR	cg11458642	0.0503394795808022	265	0.814291569144267	0.416220257224671	0.002534063204466	0.611810118103999
SARC	ATR	cg11936145	-0.053568536571905	265	-0.866670580908492	0.386918563219616	0.00286958811045552	0.584862386225722
SARC	ATR	cg15135999	0.045039555279908	265	0.728375436309619	0.467036787664122	0.00202856153981189	0.656155816288788
SARC	ATR	cg15291273	-0.0985013175076529	265	-1.59911410459067	0.111005061925333	0.00970250955074345	0.25656687228651
SARC	ATR	cg15480357	-0.0324819455361282	265	-0.525038941201389	0.600001821596953	0.001055076785812	0.760119120002058
SARC	ATR	cg16031872	0.0996326061492334	265	1.61766302998868	0.106943104052512	0.00992665620808826	0.249873309405649
SARC	ATR	cg17945282	0.0136936358146336	265	0.221248201736068	0.825072172441249	0.000187515661823816	0.906029113780554
SARC	ATR	cg20032934	-0.233334015681992	265	-3.87663450324838	0.000134067698563489	0.0544447628742842	0.00123764833772968
SARC	ATR	cg20636078	0.0107195980370934	265	0.173190357206926	0.862636039733794	0.000114909782076857	0.926933179350515
SARC	ATR	cg24631870	-0.0742439908576692	265	-1.20276789152458	0.230156109339244	0.00551217017847367	0.42032923374738
SARC	ATR	cg24856922	0.116977659055666	265	1.90289616359189	0.0581544536143602	0.0136837727181436	0.160930121103996
SARC	AURKB	cg02245743	0.24944093344551	265	4.16138285943834	4.29826947774135e-05	0.0622207792781674	0.000465839475830887
SARC	AURKB	cg04612488	-0.2560338395783	265	-4.278981035829	2.63802191710277e-05	0.0655533270092066	0.000304667227213802
SARC	AURKB	cg05617798	0.100342056166667	265	1.62929859902619	0.104456128233201	0.0100685282357545	0.2457529725181
SARC	AURKB	cg05811247	-0.285383613487412	265	-4.81056870294793	2.5474504365527e-06	0.0814438068471323	3.91189023413305e-05
SARC	AURKB	cg11009596	0.177942443896614	265	2.92137061470172	0.00378994118865725	0.0316635133398995	0.0198849858252109
SARC	AURKB	cg12844497	0.272946747714536	265	4.58363417564902	7.09120077551839e-06	0.0744999270879427	9.65271868995062e-05
SARC	AURKB	cg13678641	-0.179353281385434	265	-2.94529975951851	0.00351755380575211	0.0321675995437227	0.0187145794531993
SARC	AURKB	cg21724796	-0.304180030140376	265	-5.15862234432636	4.92663210868312e-07	0.0925254907362002	9.10029249800593e-06
SARC	BAP1	cg00794529	-0.258191102880919	265	-4.31759798600773	2.24207530817723e-05	0.0666626456068651	0.000264794301691725
SARC	BAP1	cg02503646	-0.176714355465985	265	-2.90055621913458	0.00404240654982023	0.0312279634277584	0.0209134119263626
SARC	BAP1	cg03075736	-0.151961797035193	265	-2.48386465456377	0.0136245960348243	0.0230923877581653	0.0542320826818011
SARC	BAP1	cg05442719	0.0123323794960186	265	0.199250840516178	0.842221667499566	0.00015208758403382	0.915566814810392
SARC	BAP1	cg05908979	0.0136960946730149	265	0.221287936986887	0.825041267432942	0.000187583009292188	0.906029113780554
SARC	BAP1	cg09096430	-0.100650031519132	265	-1.63435043073965	0.103390836690433	0.0101304288448023	0.243874326582999
SARC	BAP1	cg10449522	-0.0644230879182003	265	-1.04295339038132	0.297934938525364	0.00415033425691617	0.49612669066169

SARC	BAP1	cg10956904	-0.24983177599963	265	-4.16833692777884	4.1771992416671e-05	0.0624159162991294	0.000454681737520988
SARC	BAP1	cg11234564	-0.054730871525272	265	-0.885531575191163	0.376685112434521	0.00299546829791583	0.575201054637703
SARC	BAP1	cg12859382	0.0489387641983085	265	0.791578416441354	0.429325325816737	0.00239500264125764	0.623405215055292
SARC	BAP1	cg16841708	0.020432909812475	265	0.330172691861325	0.74153434068494	0.000417503803404736	0.854575285408716
SARC	BAP1	cg24291822	-0.137145102095076	265	-2.23678235904305	0.0261454237762279	0.0188087790286688	0.0891148395219012
SARC	BAP1	cg24747396	0.132595603437897	265	2.16123072243352	0.0315871109138027	0.01758159405106	0.102557917630566
SARC	BAP1	cg25749966	-0.229336084949741	265	-3.80649111915817	0.000175699451665759	0.0525950398600749	0.00155729328277157
SARC	BAZ1A	cg05294307	0.0650161275976132	260	1.04246367233557	0.298180206901558	0.00422709684778911	0.496375738588116
SARC	BAZ1A	cg07414384	-0.285215010014948	265	-4.80747488996221	2.58391336543503e-06	0.0813476019378271	3.96475259074266e-05
SARC	BAZ1A	cg23422263	-0.224373341762399	265	-3.71970256068744	0.000244195368417991	0.0503433964936261	0.00205272563384209
SARC	BAZ1A	cg26967526	0.0810180598963274	265	1.31320379673053	0.190267614288312	0.0065639260293649	0.370440192855943
SARC	BAZ1B	cg00525989	0.0978380501031026	265	1.5882419025974	0.113442286156172	0.00957228404797721	0.260590239341665
SARC	BAZ1B	cg04742505	-0.0339639977914176	265	-0.549021931210394	0.583459779035281	0.00115355314597542	0.748433984340512
SARC	BAZ1B	cg05166819	-0.0575521264079808	265	-0.931326728639503	0.352545235088403	0.0033122472540802	0.551562706509276
SARC	BAZ1B	cg06059318	0.0191665960291332	265	0.30970272640084	0.757034149858849	0.000367358403343985	0.864550644151676
SARC	BAZ1B	cg06394887	0.111046135058391	265	1.8051697346512	0.0722004755348893	0.0123312441114064	0.188519963541692
SARC	BAZ1B	cg14093368	0.00663839025625826	265	0.10724883991113	0.91467396325827	4.40682251943846e-05	0.954910976135513
SARC	BAZ1B	cg15636799	-0.198731360531373	265	-3.27594538739469	0.00119569219201043	0.0394941536586507	0.00779564854050109
SARC	BAZ1B	cg19160975	-0.174670269379226	265	-2.86594274715926	0.00449644317655878	0.0305097030050113	0.0227719591299645
SARC	BAZ1B	cg20612831	-0.00553281025566805	265	-0.0893866533822395	0.92884318256698	3.06119893252256e-05	0.962367835286021
SARC	BAZ1B	cg21340129	-0.0944741661939156	265	-1.53313409307531	0.1264540412183	0.00892536807803558	0.280714692459092
SARC	BAZ1B	cg25710357	0.0970768690713782	265	1.57576734419987	0.116290728780312	0.00942391850870151	0.264934524307152
SARC	BAZ2A	cg14634319	0.646745202751941	265	13.6992323601316	1.49776063914919e-32	0.418279357282649	4.49871780548155e-30
SARC	BAZ2A	cg18206859	0.111648578818191	265	1.81508636211049	0.0706583658384905	0.0124654051521218	0.185633612915455
SARC	BAZ2A	cg18955060	-0.172965698407658	265	-2.83710769206575	0.00490964673568257	0.029917132825649	0.0244239070313141
SARC	BAZ2A	cg25683012	0.447418364802396	265	8.0823712840403	2.37896292793667e-14	0.20018319316245	1.70256708386297e-12
SARC	BRD7	cg03021120	-0.067620428364994	265	-1.09494765773391	0.274548965655273	0.00457252233226529	0.470996311849236
SARC	BRD7	cg16433860	-0.222577459278634	265	-3.68837167219612	0.000274604625907948	0.0495407253789319	0.00226859515666995
SARC	BRD7	cg16834187	0.00643098892220173	258	0.102495217334136	0.918444479533062	4.13576185174814e-05	0.956976694729708
SARC	BRD8	cg01096096	-0.00169645869422658	265	-0.0274071684092803	0.97815592473479	2.87797210121694e-06	0.988684242546302
SARC	BRD8	cg03204906	-0.284560876686353	265	-4.79547637392934	2.73014937645631e-06	0.0809748925405059	4.16694605830963e-05
SARC	BRD8	cg03684156	-0.101269457955363	265	-1.64451254667939	0.101274245973228	0.0102555031145731	0.240440952520562
SARC	BRD8	cg07430605	0.176592135650354	265	2.8984855297053	0.00406834455553358	0.0311847823735532	0.0210294216845966
SARC	BRD8	cg07632946	-0.254735899315467	265	-4.25577975450438	2.90719073082511e-05	0.0648903784000595	0.000331615829492388
SARC	BRD8	cg08976717	0.0209059937907696	265	0.337820498139644	0.735770011042878	0.000437060576379698	0.851001765378241
SARC	BRD8	cg11110536	0.0237929559788561	265	0.384495815446662	0.700924089929076	0.000566104754211782	0.828664729280494
SARC	BRD8	cg11346339	-0.00745682353094317	265	-0.120472020378296	0.904201930143886	5.56042171716277e-05	0.94929061058332
SARC	BRD8	cg12964860	-0.240731048292585	265	-4.00696653290834	8.02826457158689e-05	0.0579514376120468	0.000797231062141984
SARC	BRD8	cg14473243	0.0772773840230251	265	1.2521988821916	0.211618325299063	0.0059717940814421	0.397696243466972
SARC	BRD8	cg22106577	0.0902428666811984	265	1.46389111468329	0.144427036484331	0.00814377498684054	0.307739163962258
SARC	BRD8	cg22818036	-0.0630924802247119	265	-1.02132501364182	0.308046203853644	0.00398066106090566	0.506620150999754
SARC	BRD8	cg23298160	-0.104146500346191	265	-1.69173793182877	0.0918894763655255	0.0108464935343591	0.224159608792088
SARC	BRD8	cg26008208	-0.131958753589823	265	-2.15066603464938	0.0324210071187284	0.0174131126489795	0.104584501069595
SARC	BRD8	cg26630792	0.131861788277649	265	2.14905771737569	0.0325496047552345	0.0173875312077794	0.104868878999781
SARC	BRD8	cg27119451	0.0419279099745392	265	0.675359737615781	0.500049738029116	0.00175794963483306	0.684031884683303
SARC	BRD9	cg02364331	-0.219816289546183	265	-3.64027734540261	0.000328311248542489	0.0483192011498516	0.00263468591593917
SARC	BRD9	cg02822723	0.0693596220190907	265	1.12324407113105	0.26236597416153	0.00481075716663113	0.457747394961135
SARC	BRD9	cg05193570	-0.156708464065765	265	-2.56337344078711	0.0109270792574352	0.024557542709851	0.0457043161181865
SARC	BRD9	cg07308931	-0.255384169727715	265	-4.26736480216252	2.76966184287954e-05	0.0652210741475145	0.000317792143665149
SARC	BRD9	cg09497020	-0.243124338870618	265	-4.04929238434969	6.77724011867138e-05	0.0591094441512749	0.000690541739085686
SARC	BRD9	cg10551270	-0.425043873777349	265	-7.58616953498802	5.81421186293668e-13	0.180662294635655	3.41109198842607e-11
SARC	BRD9	cg10600960	-0.117199480368199	265	-1.90655477602815	0.0576764150022658	0.0137357181985759	0.159931528379478
SARC	BRD9	cg13722821	-0.364033602076	265	-6.31440025414648	1.16059601849072e-09	0.132520463440427	3.7983763846221e-08
SARC	BRD9	cg17977043	-0.230000872718688	265	-3.81814055092884	0.000168028206743811	0.0529004014513581	0.00149989515954424
SARC	BRD9	cg20079193	-0.00058953504411232	265	-0.0095242317714595	0.992408153193626	3.47551568236521e-07	0.995991406089619
SARC	BRD9	cg21160852	0.198390964777954	265	3.27010410077049	0.00121965538338152	0.0393589749055274	0.00792465304391398
SARC	BRD9	cg21758832	-0.13751962945179	265	-2.24300833520672	0.0257357082621944	0.0189116484845577	0.088057868074822

SARC	BRD9	cg21910709	-0.142103899486661	265	-2.31929555263251	0.02111513594696865	0.0201935182493151	0.0760198132864305
SARC	BRD9	cg24953233	-0.284651399173059	265	-4.7971363580227	2.70945175583571e-06	0.0810264190511804	4.14185674775955e-05
SARC	BRD9	cg25523559	-0.133273636271829	265	-2.17248158877029	0.0307194602486357	0.0177618621251157	0.100429468606168
SARC	BRD9	cg25951128	-0.34724538612937	265	-5.98216530937697	7.22638051093131e-09	0.120579358188135	2.03610664783553e-07
SARC	BRD9	cg26504197	-0.145252791280004	265	-2.37178443930369	0.0184283546017128	0.0210983733746324	0.0683559416419133
SARC	BRDT	cg00308185	0.0206706705559813	265	0.334016269149388	0.738635500248563	0.000427276621233914	0.852821545702405
SARC	BRDT	cg01515515	-0.0720213761308822	265	-1.16657042019205	0.244448689394509	0.00518707861978601	0.437284799088402
SARC	BRDT	cg02935097	-0.155263480859992	265	-2.53915033416754	0.0116933813285439	0.0241067484887612	0.0481666264467194
SARC	BRDT	cg03421440	-0.177072275737662	265	-2.90662102245278	0.0039673034684691	0.0313545908349146	0.0206307924585592
SARC	BRDT	cg06442199	-0.141665756257067	265	-2.31199787717224	0.021556592877619	0.0200691864958866	0.0771164161832749
SARC	BRDT	cg09250199	-0.0431704176553103	265	-0.698090255124066	0.485742222620479	0.00186368496053392	0.6723334721111194
SARC	BRDT	cg13299824	-0.0977697789532666	265	-1.58712293141723	0.113695514006442	0.00955892967657061	0.26091710128963
SARC	BRDT	cg14732540	-0.0940113269446229	265	-1.52555596046424	0.128331315363135	0.00883812959388878	0.283514791337281
SARC	BRDT	cg19245011	-0.081590481428728	265	-1.32254401038027	0.187144760668408	0.00665700665977161	0.366340542800588
SARC	BRPF1	cg04879506	-0.167396777002727	265	-2.74308368324549	0.00650818651899764	0.0280216809509007	0.0305901674858862
SARC	BRPF1	cg13694772	0.0600918057865964	265	0.972570409346195	0.331667332938779	0.00361102512269401	0.531391792784252
SARC	BRPF1	cg14712964	-0.00356167325165299	265	-0.0575409573174769	0.95415830838615	1.26855163515404e-05	0.975672160486888
SARC	BRPF1	cg17738494	0.0548405502383055	265	0.887311496596326	0.375728124407881	0.00300748595044011	0.574273914695797
SARC	BRPF1	cg20952324	0.109196821220285	265	1.77474132688459	0.0771061552787835	0.0119239457646148	0.197751499810691
SARC	BRPF1	cg25467642	-0.106076375648601	265	-1.72343996902064	0.0859932638693499	0.0112521974707431	0.213832826257063
SARC	BRPF1	cg26227975	-0.160439758852072	265	-2.62600181752607	0.00914973983835151	0.0257409162205111	0.0398296044420971
SARC	BRPF3	cg01499736	-0.0292083517960279	265	-0.472076778381374	0.637266428752507	0.000853127814640526	0.78662402128338
SARC	BRPF3	cg05882415	-0.12949694092144	265	-2.10985244092768	0.035823081359213	0.0167694577080109	0.112793433357109
SARC	BRPF3	cg10562781	0.0351944670843017	265	0.568936482557137	0.569888489618356	0.001238650513348	0.738049662244591
SARC	BRPF3	cg14654948	-0.228427141837565	265	-3.79057231793899	0.000186718981968788	0.0521789591280792	0.00163816583774444
SARC	BRPF3	cg18779695	0.10899554649869	265	1.77143070603887	0.0776559972328982	0.0118800291565482	0.198709645705417
SARC	BRPF3	cg23517469	0.0783537650745083	265	1.26974750363453	0.205305506830798	0.00613931250135124	0.38954017215178
SARC	BRWD3	cg03164831	-0.0536688917508218	265	-0.868298885375519	0.386028420084635	0.00288034994176142	0.584107033475271
SARC	BRWD3	cg05835545	-0.0743997110922254	265	-1.20530461817979	0.229177370158142	0.00553531701060661	0.419171568760316
SARC	BRWD3	cg09523186	-0.0991761400320626	265	-1.61017792543939	0.108567750917974	0.00983590675165929	0.252622247926087
SARC	BRWD3	cg11957438	-0.106013168702506	231	-1.60630138752901	0.109597842893498	0.011238791938346	0.25430008202646
SARC	BRWD3	cg15511898	-0.082666306253333	265	-1.34010183830696	0.181377703818214	0.00683371818956984	0.358665089151337
SARC	BRWD3	cg22618269	-0.0961907221909136	264	-1.55825453963644	0.12038928367172	0.00925265503560951	0.271308341076413
SARC	BRWD3	cg25063710	-0.0900981813065753	265	-1.4615248504961	0.145074356149182	0.00811768227475252	0.308746360515113
SARC	BRWD3	cg25708850	-0.133633477954545	237	-2.05828765662052	0.0406749360195089	0.0178579064302279	0.123821795057784
SARC	CARM1	cg12317676	0.0804425468709755	265	1.30381445771975	0.193445629160654	0.00647100334708908	0.374518671915881
SARC	CARM1	cg17918830	-0.264679637000986	265	-4.43416882845486	1.36286513108808e-05	0.0700553102429738	0.00017153005987359
SARC	CARM1	cg22378614	-0.205329760243655	265	-3.38942274378112	0.000808726605292228	0.0421603104417167	0.00562084137694126
SARC	CARM1	cg26504915	-0.1764295468742	265	-2.89573111018073	0.00410308260588999	0.0311273850102356	0.0211695986365967
SARC	CBX1	cg01544580	-0.124034681268116	265	-2.01943592097845	0.0444639918188989	0.0153846021572832	0.132408198574469
SARC	CBX1	cg01553295	-0.00835890669348336	265	-0.135046988493767	0.892678811392702	6.98713211103609e-05	0.94313688957904
SARC	CBX1	cg02835499	-0.0305578256942737	265	-0.493907437010701	0.621786943367497	0.000933780711161615	0.775961752224085
SARC	CBX1	cg04864609	-0.0114937535602782	265	-0.185699537975215	0.852824626085421	0.000132106370904409	0.921581316317395
SARC	CBX1	cg11729481	0.091475890014439	265	1.48406046393547	0.138999507510722	0.00836783845393375	0.299737434507404
SARC	CBX1	cg12245530	-0.0358060753218223	265	-0.578836024727506	0.563199002979981	0.00128207502995201	0.733182222260193
SARC	CBX1	cg13342109	-0.072960082377091	265	-1.18185601354473	0.238338503911122	0.00532317362047191	0.430001169247025
SARC	CBX1	cg17778721	0.108855396779968	265	1.7691256159553	0.0780407299081122	0.0118494974081242	0.199333504365882
SARC	CBX1	cg21511817	-0.0547566059119454	265	-0.88594920289251	0.376460436104414	0.0029982858909961	0.574986515221793
SARC	CBX4	cg04398978	-0.143637819000994	265	-2.3448553755388	0.0197842012144912	0.0206318230473622	0.0722273287944123
SARC	CBX4	cg04925705	0.0293515802572779	265	0.474393683836971	0.635615849248654	0.000861515263599427	0.785423142773521
SARC	CBX4	cg05949524	-0.0973553409267454	265	-1.58033073436065	0.115242236756776	0.00947806240696284	0.263262893235937
SARC	CBX4	cg07159673	0.167687012353947	265	2.7479771684449	0.00641457882621431	0.0281189341121927	0.0302232296775796
SARC	CBX4	cg10756274	-0.0793356729943365	265	-1.28575979158722	0.199666479830501	0.00629414900946429	0.382507243201685
SARC	CBX4	cg21365914	0.00199268106386382	265	0.0321928117262032	0.974342893096084	3.97077782228143e-06	0.986610049110127
SARC	CBX4	cg22353329	0.0246135735512853	265	0.397764957027746	0.691128584358595	0.000605828002964533	0.822498209332381
SARC	CBX4	cg27487227	-0.0326006296912158	265	-0.526959392052599	0.598669375235284	0.00106280105626378	0.75910516080956
SARC	CBX5	cg03689456	-0.22713526152268	265	-3.76796491722598	0.000203496167396879	0.0515904270269762	0.00176132408171704

SARC	CBX5	cg05754589	-0.147746384855012	265	-2.41340230933437	0.0164936610019587	0.0218289942377255	0.0627585302239893
SARC	CBX5	cg06399839	-0.21651662204564	265	-3.58292386141955	0.000405270351216279	0.0468794476220546	0.00313738697407894
SARC	CBX5	cg06621757	-0.103398867565178	265	-1.67946179010706	0.0942586938537604	0.0106913258137613	0.228271501899222
SARC	CBX5	cg08288469	0.0487098408932667	265	0.787866783395756	0.431489568030132	0.00237264859984736	0.625402169222148
SARC	CBX5	cg09060496	-0.176212044781183	265	-2.89204678560437	0.00414997165039617	0.0310506847259655	0.0213789083220263
SARC	CBX5	cg09158487	-0.211260031325678	265	-3.49182102558543	0.000563191069647421	0.0446308008357263	0.00414532803649971
SARC	CBX5	cg09653879	-0.145990212300571	265	-2.38408708737844	0.0178366341011939	0.0213131420875659	0.0666818738655523
SARC	CBX5	cg11005091	-0.150683369161962	265	-2.46248074632623	0.0144444700071207	0.0227054777420001	0.0567149396726365
SARC	CBX5	cg11338003	-0.156850850212221	265	-2.5657612543478	0.0108540259163966	0.0246021892122965	0.0454553236509561
SARC	CBX5	cg12263485	0.0822335521424699	265	1.33303858010959	0.183681552915347	0.00676235709796832	0.361926959186799
SARC	CBX5	cg12600134	-0.0206350863050677	265	-0.333441019970046	0.73906911880404	0.000425806786817591	0.853018352990141
SARC	CBX5	cg13445218	-0.148912576780963	265	-2.43288205017671	0.0156514261720006	0.0221749555235461	0.0603154033598163
SARC	CBX5	cg14017196	-0.22719813759676	265	-3.76906473716216	0.000202648050256085	0.0516189937274362	0.00175554592668395
SARC	CBX5	cg14394617	0.00849842402382606	265	0.137301200163938	0.890898578807611	7.22232108887439e-05	0.942305425421608
SARC	CBX5	cg15708001	-0.208215657317793	265	-3.43920412904933	0.0006789945282506	0.0433537599522805	0.00485672125144605
SARC	CBX5	cg20545544	-0.136949425102542	265	-2.23352990080072	0.026361705901836	0.0187551450359168	0.0896321044111638
SARC	CBX5	cg20927027	0.00639818322848333	265	0.103367929250001	0.917750344394381	4.09367486252453e-05	0.956646303705116
SARC	CBX5	cg21826008	-0.0951809790158863	265	-1.54470877692271	0.123628322545387	0.00905941876642259	0.276389968218404
SARC	CBX5	cg24505978	-0.0962260761155775	265	-1.56182749004229	0.119540305689054	0.0092594577246009	0.270036545118017
SARC	CBX5	cg25817259	0.0490656485987932	265	0.79363570220165	0.428128466781933	0.00240743787242025	0.622410830386906
SARC	CBX6	cg03028106	-0.253286323234131	262	-4.20551696795744	3.59592044870713e-05	0.0641539615374647	0.000399507951128592
SARC	CBX6	cg04134624	-0.0113862880228774	265	-0.183963038199684	0.854185295113811	0.000129647554939922	0.92216741958416
SARC	CBX6	cg04215348	-0.0972422944012189	265	-1.57847816665322	0.115666980608282	0.00945606382041333	0.263924647210354
SARC	CBX6	cg04801716	-0.0842435961246057	265	-1.36585229272988	0.173161133465958	0.00709698348800567	0.348058218144607
SARC	CBX6	cg06060673	-0.106744290205025	265	-1.7344163619699	0.0840248830285718	0.0113943434913747	0.21026897900488
SARC	CBX6	cg09913544	-0.0778400914212367	265	-1.26137234670251	0.208300942423313	0.00605907983246649	0.393471497409875
SARC	CBX6	cg14498989	0.087420613571153	265	1.41775110999627	0.157456186017034	0.00764236367715685	0.326139478540102
SARC	CBX6	cg24649346	-0.0494059937710602	265	-0.799154201285707	0.424927653488904	0.00244095222050604	0.619814069872357
SARC	CBX6	cg25836955	-0.192005215794866	265	-3.16074837668019	0.00175925122915436	0.036866002892433	0.0107105329567095
SARC	CBX7	cg00545295	-0.218058053478335	265	-3.60970021518487	0.000367441924136823	0.0475493146867603	0.00289642081733712
SARC	CBX7	cg01525244	-0.00979735022627605	265	-0.158288634017808	0.874351764475014	9.59880714563114e-05	0.933472232499887
SARC	CBX7	cg02523424	-0.060361620486114	265	-0.976953224014878	0.329496941939757	0.00364352522770965	0.529154981618901
SARC	CBX7	cg03804568	-0.0987093413866248	265	-1.60252445037247	0.110249188880062	0.00974353407698124	0.25542779818327
SARC	CBX7	cg10339854	-0.0275725166546881	265	-0.445617059980887	0.656243287858115	0.000760243674673051	0.799658380621443
SARC	CBX7	cg22268271	-0.167259413387997	265	-2.74076793314663	0.00655291391775472	0.0279757113668968	0.0307391091002057
SARC	CBX7	cg26672614	-0.0554888465135148	265	-0.897833035291961	0.370102035270515	0.00307901208740041	0.568797133518133
SARC	CBX7	cg27062573	-0.0349925857296086	265	-0.565668955087123	0.572104815579467	0.00122448105604401	0.739799235757796
SARC	CDYL2	cg01442398	-0.161572729733	265	-2.64504103771716	0.0086634116669023	0.0261057469933731	0.0381781497084396
SARC	CDYL2	cg02461391	-0.167245864924477	265	-2.74053953472115	0.00655734033299081	0.0279711793343365	0.0307561638649877
SARC	CDYL2	cg06919916	-0.131525690137121	265	-2.14348350383932	0.0329987133449569	0.0172990071660459	0.105967141050263
SARC	CDYL2	cg10112854	0.18393277773714	265	3.02310264862022	0.00275104446315879	0.0338312667261001	0.0153646889918138
SARC	CECR2	cg03927893	-0.125330562786041	265	-2.04086938401504	0.0422698943632244	0.0157077499682658	0.12746580109515
SARC	CECR2	cg12632097	-0.117788525898005	265	-1.91627161127094	0.0564227292843298	0.0138741368332249	0.157471112934819
SARC	CECR2	cg13466481	-0.114334192805882	265	-1.85931818167437	0.064107315818503	0.0130723076445727	0.172796073839993
SARC	CECR2	cg26796679	-0.109327610534382	265	-1.77689270315546	0.0767505591057236	0.0119525264251576	0.197112442476995
SARC	CHAF1A	cg03006338	0.16366218705124	265	2.68018194100741	0.00782642285377962	0.0267853114703951	0.0353303974634093
SARC	CHAF1A	cg04346879	-0.056593373111275	265	-0.915761604864053	0.360637261916259	0.00320280988011199	0.559588114210355
SARC	CHAF1A	cg05297461	0.138142962450994	265	2.253372521306	0.0250660495104094	0.0190834780747366	0.0863858705361623
SARC	CHAF1A	cg07783855	0.346882574066943	265	5.97505949745268	7.50891484778007e-09	0.120327520191308	2.10731789923594e-07
SARC	CHAF1A	cg09700233	0.0115272592993083	265	0.186240947350131	0.852400483830303	0.000132877706953489	0.921330218339116
SARC	CHAF1A	cg18804734	0.0655671052112541	265	1.0615532930194	0.289419808443251	0.00429904528578366	0.486918784127039
SARC	CHAF1A	cg23811775	0.119166567328631	265	1.93901167446223	0.0535777138690582	0.014200670768889	0.151740924977917
SARC	CHAF1A	cg24085258	-0.0567063656266944	265	-0.917595877574707	0.359677608813401	0.00321561190258835	0.558498211409222
SARC	CHAF1B	cg00660452	-0.0537330411757388	265	-0.86933975026441	0.38546007129237	0.00288723971399364	0.583485818146525
SARC	CHAF1B	cg02544117	-0.0041255444672557	229	-0.0618836936449341	0.95071038942785	1.70201171513041e-05	0.973959519537909
SARC	CHAF1B	cg02908490	-0.236303182929158	265	-3.92886260217506	0.000109339593687878	0.0558391942624513	0.00104048493594554
SARC	CHAF1B	cg04634639	-0.222228973383797	265	-3.68229659140865	0.000280899899429614	0.0493857166112165	0.00231314986516644

SARC	CHAF1B	cg07872789	-0.03738035048798	265	-0.604320396973607	0.546155594897611	0.00139729060260423	0.719806040925623
SARC	CHAF1B	cg13854874	-0.049515226847677	265	-0.800925411175865	0.423903313112454	0.00245175768977691	0.618940209089156
SARC	CHAF1B	cg25942896	-0.206019069390809	265	-3.40130479536933	0.000775812226098779	0.042443856952655	0.00542601243523585
SARC	CHD1	cg03255775	-0.0869354906039043	265	-1.40982350545097	0.159782301993072	0.00755777952654153	0.32947502852729
SARC	CHD1	cg03833628	-0.216131077746364	265	-3.57623093930044	0.000415281755458531	0.0467126427678048	0.00320341387051472
SARC	CHD1	cg08865521	-0.133314923682003	265	-2.17316678719563	0.0306672901614876	0.0177728688763383	0.100312457251935
SARC	CHD1	cg11365324	-0.208441766015245	265	-3.4431084232967	0.000669689923544815	0.043447969819554	0.00480031861349354
SARC	CHD1	cg12662497	-0.0747684230789928	265	-1.21131139455191	0.226871678608836	0.00559031708971927	0.416403335276531
SARC	CHD1	cg16890600	-0.0175608137441505	265	-0.283747383170686	0.776828935102983	0.000308382179356746	0.876575242065517
SARC	CHD1	cg21082921	-0.227747697957368	265	-3.77867969152604	0.000195374465034745	0.0518690139248807	0.00170220194119308
SARC	CHD4	cg00079216	-0.117526232540322	265	-1.91194459399964	0.0569781636025671	0.0138124153351218	0.158583208446857
SARC	CHD4	cg00824109	-0.252481918825549	265	-4.21554716121029	3.43729511196607e-05	0.0637471193338309	0.000383976071137691
SARC	CHD4	cg04344119	0.270079994261624	265	4.53168274680926	8.91593271421652e-06	0.0729432033003588	0.000118181303385544
SARC	CHD4	cg05147525	0.0735608400234734	265	1.19164021412007	0.234484786894116	0.00541119718495905	0.425448024807372
SARC	CHD4	cg11565429	0.192181820018134	265	3.1637670367642	0.00174178112367518	0.0369338519454824	0.0106246042523818
SARC	CHD4	cg19509514	-0.291985790741916	265	-4.93210274876369	1.44959954829467e-06	0.0852557019951821	2.37161192975889e-05
SARC	CHD4	cg20308811	-0.21136877621277	265	-3.49370245493657	0.000559414684995176	0.044676759557684	0.00412268908720299
SARC	CHRA1	cg00296189	-0.323200502107498	265	-5.51759015469048	8.27468241718701e-08	0.104458564562539	1.82979148369143e-06
SARC	CHRA1	cg07270064	-0.325885377076614	265	-5.56884670020282	6.3677602709137e-08	0.106201278992367	1.45100627567505e-06
SARC	CHRA1	cg08877624	0.0811732574372245	265	1.31573602848482	0.189417186389807	0.00658909772296991	0.369320549337293
SARC	CHRA1	cg12002314	-0.0273041531947585	265	-0.4412766148488	0.659378086589469	0.00074551678168284	0.801746041304412
SARC	CHRA1	cg18770186	0.148920638444966	265	2.43301674596379	0.0156457373843025	0.0221773565548563	0.0603024422351578
SARC	CHRA1	cg19486048	0.169446721256083	265	2.7776623657227	0.00587238011454628	0.0287121913444366	0.028187569484236
SARC	CHRA1	cg22610305	0.0884359277712693	265	1.43434609587468	0.152670563569476	0.00782091332076517	0.319648342725908
SARC	CHRA1	cg23548819	-0.0763979454008088	265	-1.2378643554298	0.216878722331089	0.00583664606146496	0.404193937162205
SARC	CLOCK	cg05960024	-0.147336535948575	265	-2.40655875739155	0.0167989180707127	0.0217080548253258	0.0636554455719482
SARC	CLOCK	cg06085476	-0.251335389761901	265	-4.19511028494713	3.74076745959346e-05	0.0631694781467665	0.00041289623120263
SARC	CLOCK	cg07236904	0.0159381955476774	265	0.257522140004742	0.796978644192975	0.000254026077316004	0.888949941375019
SARC	CLOCK	cg07500410	-0.0674433406409922	265	-1.09206703460756	0.275810663432564	0.00454860419681691	0.472254583595388
SARC	CLOCK	cg11774413	-0.137202271929863	265	-2.23773266164091	0.0260825224177843	0.0188244634227162	0.0889550087228896
SARC	CLOCK	cg18928811	0.0355929438972525	265	0.575386188276943	0.565525857124827	0.00126685765527296	0.734846390104542
SARC	CLOCK	cg22523077	-0.061957517479791	265	-1.00288107568232	0.316847109638625	0.00383873397225861	0.516097237169749
SARC	CLOCK	cg23506964	-0.0536879438276359	265	-0.868608016214987	0.385859570082422	0.00288239531243939	0.583931046862078
SARC	CREBBP	cg00039463	-0.00113055849319804	265	-0.0182647431025899	0.985441608270472	1.27816250654222e-06	0.992381657581867
SARC	CREBBP	cg00747661	-0.0323631513298904	265	-0.523116731856406	0.601336837813365	0.00104737356400139	0.761037485514355
SARC	CREBBP	cg03039399	0.0312213167792486	265	0.504641824034891	0.614236214369702	0.000974770621430192	0.77057826955094
SARC	CREBBP	cg03264209	0.119373501041258	265	1.94242741623737	0.0531609579678695	0.0142500327508472	0.150882117359854
SARC	CREBBP	cg08506924	-0.00937229461098407	265	-0.151420703839769	0.879760829622794	8.7839906275081e-05	0.936222778715385
SARC	CREBBP	cg24567591	0.0805150010512989	265	1.30499645561701	0.193043413861271	0.00648266539429066	0.373944704629574
SARC	CTCF	cg01866162	0.0114284179976618	265	0.18464380164739	0.853651817118554	0.00013060873792928	0.921966206568838
SARC	CTCF	cg04487155	-0.206729366850901	265	-3.41355416747661	0.000743192717940067	0.0427370311185743	0.00524264910223336
SARC	CTCF	cg06241380	-0.182615312855602	265	-3.0069909701471	0.00295432216513746	0.0333483524893494	0.0162632877450325
SARC	CTCF	cg07967402	-0.112501194186067	265	-1.82912444793375	0.0685218870058977	0.0126565186932912	0.18152256615599
SARC	CTCF	cg08324636	0.135086811446413	265	2.20258362393146	0.0284985456114126	0.0182484466267589	0.0950164717969711
SARC	CTCF	cg10218542	-0.26942087243137	265	-4.51975656382637	9.39446954232361e-06	0.0725876065016803	0.000123975125288469
SARC	CTCF	cg10481400	-0.0401222346077785	265	-0.648716897878905	0.517091748874555	0.00160979370992162	0.698092014610661
SARC	CTCF	cg23858565	-0.157175310035708	265	-2.57120305377755	0.0106891671324506	0.024704078084821	0.044900273644809
SARC	CXXC1	cg02159718	0.124457010860393	265	2.02641995797161	0.0437386689949511	0.0154895475523039	0.130767730160041
SARC	CXXC1	cg07675399	0.0964363276217981	265	1.56527204231266	0.118730750953135	0.00929996528517878	0.268782575098368
SARC	CXXC1	cg11871295	0.179726114663693	265	2.95162649578042	0.00344859392690705	0.0323014762921068	0.0184169640934857
SARC	CXXC1	cg13423076	-0.242642278355245	265	-4.040760753275	7.01344002499843e-05	0.0588752752454241	0.00071097674394674
SARC	CXXC1	cg15632775	0.225366986225445	265	3.73705476198344	0.000228750251090583	0.0507902784803398	0.00194294104523865
SARC	CXXC1	cg20016845	0.0160630604141591	265	0.259540168596758	0.795423094785585	0.000258021909868924	0.888021931571278
SARC	CXXC1	cg27419474	0.129901418953987	265	2.11655540503553	0.0352441692645427	0.0168743786462593	0.111422965162996
SARC	DAXX	cg00221327	-0.0123252195403237	250	-0.193328199774016	0.846861469027176	0.000151911036717176	0.918218132219423
SARC	DAXX	cg02173004	-0.0249174588669645	265	-0.40267889471752	0.687514080668899	0.000620879756386868	0.820226830120073
SARC	DAXX	cg02328295	-0.0502017724379587	265	-0.812058382161154	0.417498142541738	0.00252021795591259	0.612958848413611

SARC	DAXX	cg03085224	-0.160498728826041	265	-2.626992525871	0.00912384148226864	0.0257598419547749	0.0397457791618102
SARC	DAXX	cg03369465	0.00704634168624408	260	0.112744265943542	0.910321663636389	4.96509311593011e-05	0.95244099590642
SARC	DAXX	cg03382121	-0.00337214343921565	265	-0.0544789542709672	0.956595253222859	1.13713513746451e-05	0.977106013960151
SARC	DAXX	cg03902329	-0.0556132406568972	265	-0.899852022617038	0.369028490042506	0.00309283253636196	0.567748489159828
SARC	DAXX	cg04086445	-0.0840596440961891	265	-1.3628486074256	0.174104891886543	0.00706602376557798	0.349270374621522
SARC	DAXX	cg04152866	-0.0399245975703818	265	-0.645516286425032	0.519159742115021	0.00159397349115694	0.699831124706415
SARC	DAXX	cg04271391	-0.0578120345950242	265	-0.935546717676069	0.350371405601366	0.00334223134401627	0.549399200341705
SARC	DAXX	cg04488476	-0.15297960101992	265	-2.50089829767562	0.0130013759550424	0.023402758328214	0.0523297310144128
SARC	DAXX	cg04973788	-0.0549693293271575	265	-0.88940142964563	0.374606385601807	0.0030216271666775	0.573257714247915
SARC	DAXX	cg05431670	-0.11734448373451	261	-1.89426212483293	0.0593129483824504	0.0137697278629187	0.163293750449954
SARC	DAXX	cg05532204	-0.0165341159394988	265	-0.267153337107035	0.789562072741702	0.000273376989900788	0.884160724448794
SARC	DAXX	cg06171013	-0.125449619690421	265	-2.04283907737227	0.0420729639375591	0.0157376070804711	0.127046365917732
SARC	DAXX	cg07689821	-0.0819611207316574	265	-1.32859244147652	0.185142904928412	0.00671762531158932	0.363730671902644
SARC	DAXX	cg08375286	-0.0272764461201864	265	-0.440828492837966	0.659702077791427	0.000744004512947431	0.801921313594621
SARC	DAXX	cg08567382	0.000800118158407351	265	0.012926308582255	0.989696460260614	6.40189067413171e-07	0.994436321090902
SARC	DAXX	cg09097215	0.0777303967417435	265	1.25958396850151	0.208944676953757	0.00604201457762884	0.394233518443418
SARC	DAXX	cg09432361	0.0906576293632295	265	1.47067489014369	0.1425835933251	0.00821880576176069	0.30510653442808
SARC	DAXX	cg09615909	-0.225790112918406	265	-3.74444762914669	0.000222454101472107	0.0509811750917067	0.00189687287328583
SARC	DAXX	cg11111423	-0.209846633227719	265	-3.46737969693246	0.00061446971075612	0.0440356094770089	0.00446456119160937
SARC	DAXX	cg12025215	-0.0425628418516241	265	-0.688247449685674	0.491908215676809	0.00181159550648636	0.677456896814517
SARC	DAXX	cg12832355	-0.236157733409108	265	-3.92630142345008	0.00011044381961705	0.0557704750489275	0.00104983706051916
SARC	DAXX	cg12923297	-0.0275436462073882	261	-0.441725829316742	0.659059059417731	0.000758652446397771	0.801609079554663
SARC	DAXX	cg13443893	-0.0428658714985207	265	-0.693156472269868	0.488827705650718	0.00183748293932768	0.674851154097462
SARC	DAXX	cg13826470	-0.138453817570001	263	-2.24987208335111	0.0252969718244929	0.019169459599707	0.0869813315409767
SARC	DAXX	cg14539675	-0.0115242718041595	265	-0.186192673269911	0.852438300195318	0.000132808840616147	0.921330218339116
SARC	DAXX	cg14622330	-0.132353839837319	265	-2.15721979144589	0.0319014989959493	0.0175175389196828	0.103308442797765
SARC	DAXX	cg14746369	-0.0455520754062669	265	-0.736681000436223	0.46197801012081	0.00207499157381822	0.651472235060332
SARC	DAXX	cg14910283	-0.251335870082726	265	-4.19511884270919	3.74063518632552e-05	0.063169719590241	0.00041289623120263
SARC	DAXX	cg16922466	-0.0857314004024884	265	-1.39015130046956	0.165667328541644	0.00734987301497179	0.337827933524251
SARC	DAXX	cg17079757	0.024011860375445	265	0.388035357136136	0.698306163351268	0.000576569438689863	0.826977749248047
SARC	DAXX	cg17504991	-0.074011745064935	265	-1.19898470619626	0.231621314268203	0.00547773840755693	0.422132961973129
SARC	DAXX	cg18187593	-0.0996988960111833	265	-1.61875013291046	0.106708767312968	0.00993986986584874	0.249430661468857
SARC	DAXX	cg18279148	-0.106543282371203	247	-1.67035294411339	0.096137048581318	0.0113514710184298	0.231515773815473
SARC	DAXX	cg18486541	0.0467913400129548	265	0.756766129545172	0.449872564257788	0.00218942950020795	0.640947083492668
SARC	DAXX	cg18944910	-0.0506604470260646	265	-0.819496856429748	0.413250689756666	0.0025664808928807	0.608814016834203
SARC	DAXX	cg18967278	-0.00759929440468696	265	-0.12277390346469	0.90238062401183	5.77492754491065e-05	0.948389600977794
SARC	DAXX	cg20223162	-0.124828138621961	256	-1.99720666201635	0.046878043664204	0.0155820641918236	0.137675870770439
SARC	DAXX	cg20763184	-0.0820717708539567	265	-1.33039823881573	0.184548337627622	0.00673577557110437	0.363033575339232
SARC	DAXX	cg21286626	0.107860256579746	265	1.75276126855351	0.0808171180671289	0.0116338349494487	0.204453232320292
SARC	DAXX	cg24328964	-0.156197735554955	265	-2.55480987802716	0.0111927025891473	0.0243977325924957	0.0465514009355936
SARC	DAXX	cg24496586	-0.129428501184941	265	-2.1087183714278	0.0359218294751525	0.0167517369189804	0.113066618370045
SARC	DAXX	cg24513883	-0.225297576519525	265	-3.73584224883289	0.000229798811781597	0.0507589979855712	0.00194993114787713
SARC	DAXX	cg24728112	-0.211705158314472	265	-3.49952316720779	0.000547881077913918	0.0448190740569556	0.00405189282015736
SARC	DAXX	cg25642825	0.0184246579278952	265	0.297709994170656	0.766161348915814	0.000339468019759951	0.870360630846355
SARC	DAXX	cg26521092	-0.105286519224483	263	-1.7038965482638	0.0895997955474291	0.0110852511304074	0.220161923399138
SARC	DAXX	cg27052777	-0.114337735101934	265	-1.85937655001857	0.064099016221726	0.0130731176682399	0.1727890387038
SARC	DAXX	cg27393652	-0.077998653141672	265	-1.26395749726463	0.207372963946727	0.00608378989191486	0.392305149488636
SARC	DIDO1	cg00080059	-0.0347114274959813	265	-0.561118416232802	0.575198238956021	0.00120488319880877	0.74217656114756
SARC	DIDO1	cg01488865	-0.0491721789721454	265	-0.795363000379318	0.427125093271505	0.00241790318486869	0.621509632941725
SARC	DIDO1	cg06646488	-0.0658220390043324	265	-1.06569868140696	0.287544717670535	0.00433254081868785	0.485043299647887
SARC	DIDO1	cg08610063	-0.0640843316782449	265	-1.03744654815783	0.300487976631866	0.00410680156664731	0.49879785883067
SARC	DIDO1	cg13815390	0.0983279030508381	265	1.59627130786892	0.111638282281791	0.00966837651837501	0.257548368430047
SARC	DIDO1	cg20969846	-0.0974998800349802	265	-1.58269948168136	0.114700945118128	0.00950622660683553	0.262434790874377
SARC	DIDO1	cg21212389	-0.0499380348873525	265	-0.80778149848976	0.419951963571549	0.00249380732841043	0.615249398382017
SARC	DIDO1	cg21687703	0.098539788534696	265	1.59974478306693	0.110864968340481	0.0097100899244626	0.256341455761725
SARC	DIDO1	cg22394521	-0.0873451853683565	265	-1.41651843847547	0.157816172098971	0.00762918140703256	0.326711141951869
SARC	DMAP1	cg01604592	-0.0655985594613029	265	-1.06206474816564	0.289188014141542	0.00430317100339809	0.486720149884811

SARC	DMAP1	cg11683482	-0.170129725111535	265	-2.78919156742244	0.00567325234936698	0.0289441233665266	0.0274382961309702
SARC	DMAP1	cg15990015	0.0486260179460081	265	0.786507756678493	0.432283600592778	0.0023644896212855	0.626064794275613
SARC	DMAP1	cg18017761	-0.0200784360572345	265	-0.324442466756859	0.745862944574023	0.000403143594504454	0.857305246697864
SARC	DMAP1	cg18167340	0.11936710712624	265	1.94232187153198	0.0531737946154374	0.0142485062636873	0.150899287867557
SARC	DMAP1	cg21437596	-0.12293193525286	265	-2.00120512629453	0.0464055913144909	0.0151122607050134	0.136574606390478
SARC	DMAP1	cg23021241	-0.117463709099835	265	-1.91091321336583	0.0571112291052519	0.0137977229554907	0.158828547421226
SARC	DMAP1	cg23451311	0.0339908215737742	265	0.549456034194293	0.583162339670422	0.00115537595126016	0.748178162351092
SARC	DMAP1	cg24485408	-0.0993596350559082	265	-1.61318674237897	0.107912340026492	0.00987233707844327	0.251544604799138
SARC	DNMT1	cg04160663	-0.237411168210395	265	-3.94838199343284	0.000101261632220712	0.0563640627910242	0.000974034843028091
SARC	DNMT1	cg04762346	-0.0998648380146982	265	-1.62147155006043	0.106123931179458	0.00997298587170191	0.248444330489762
SARC	DNMT1	cg06128182	-0.034769491597285	265	-0.562058171269339	0.574558749144656	0.00120891754593367	0.741708106527758
SARC	DNMT1	cg06716436	0.155529315461686	265	2.54360541778259	0.0115489445850786	0.0241893679679806	0.047718217285511
SARC	DNMT1	cg10635912	-0.0718186029784566	265	-1.16326893749005	0.245782804989713	0.00515791173377718	0.438750480903475
SARC	DNMT1	cg11380607	0.0591583933359902	265	0.957409893007125	0.339246395602919	0.00349971550209573	0.538531580105748
SARC	DNMT1	cg13393778	-0.214523874448755	265	-3.54834928051307	0.000459540517013597	0.046020492708505	0.00349252588711955
SARC	DNMT1	cg15043801	0.151732979252983	265	2.48003634886097	0.0137682652885259	0.0230228969929862	0.0546585236709321
SARC	DNMT1	cg21893394	-0.0973515421758394	265	-1.58026848073077	0.115256489776923	0.00947732276401424	0.263279990771258
SARC	DNMT1	cg23401624	-0.0460494819528921	265	-0.744742201178402	0.457097629361044	0.00212055478812973	0.647335851207185
SARC	DNMT1	cg24477899	-0.160324510600194	265	-2.62406570522549	0.00920054283057962	0.0257039486991917	0.0399903357337195
SARC	DNMT1	cg27429799	-0.0134972090925024	265	-0.218073950876386	0.827541896330175	0.000182174653286728	0.907330123928652
SARC	DNMT3A	cg02208653	-0.131482588186427	265	-2.14276870912961	0.0330566877538013	0.0172876709962016	0.106115868908113
SARC	DNMT3A	cg03463641	-0.155259005676834	265	-2.53907534006154	0.0116958264190983	0.0241053588437591	0.0481715968047083
SARC	DNMT3A	cg06112956	0.0979639969470446	265	1.59030624376606	0.112976289887639	0.00959694469784056	0.259972121025793
SARC	DNMT3A	cg07150430	-0.0183325593157677	265	-0.296221341377676	0.767296614348245	0.00033608273106614	0.871097320889139
SARC	DNMT3A	cg12066181	-0.13014441008717	265	-2.12058274310714	0.034900218328075	0.0169375674769375	0.110614283341384
SARC	DNMT3A	cg13076778	-0.0811808466918013	265	-1.31585985863398	0.189375671493869	0.00659032986959775	0.369276625847701
SARC	DNMT3A	cg13344237	-0.0946261568523077	265	-1.53562287620245	0.125842226695354	0.00895410956063754	0.279691737144687
SARC	DNMT3A	cg15990840	-0.118892216701503	265	-1.9344835136068	0.0541344231551957	0.0141353591921971	0.152933628025395
SARC	DNMT3A	cg15998962	-0.116069109928318	265	-1.88791400483979	0.0601467132303098	0.013472038279552	0.164964511671087
SARC	DNMT3A	cg21629895	-0.120317844408919	265	-1.95801844360476	0.0512931251349625	0.0144763836832089	0.146993935635058
SARC	DNMT3A	cg21708767	-0.124737658779643	265	-2.03106163280635	0.0432621900478748	0.0155594835178266	0.1297082056725
SARC	DNMT3A	cg22731525	-0.0317299863177533	265	-0.512871859613983	0.608474754996986	0.00100679203172481	0.766247168645356
SARC	DNMT3A	cg25044635	-0.100455807869443	265	-1.63116445439709	0.104061654397693	0.0100913693347024	0.245095046858786
SARC	DNMT3A	cg26470599	-0.162824155862002	265	-2.66608334666175	0.00815305659059352	0.0265117057321737	0.0364579458762219
SARC	DNMT3A	cg26995204	-0.194261495551448	265	-3.19933861131826	0.00154765336393879	0.0377375286538854	0.0096449688211371
SARC	DNMT3B	cg00300969	0.128951385675168	265	2.10081325727689	0.03661666684358	0.0166284598675458	0.114717771351515
SARC	DNMT3B	cg13636640	0.0297651215094109	262	0.478310574488471	0.632834221793736	0.000885962458469995	0.783604008694202
SARC	DNMT3B	cg14224313	-0.0149717130269631	265	-0.241902539297493	0.80904563839006	0.000224152190961735	0.896820980235342
SARC	DNMT3B	cg16523653	-0.0941460271675889	265	-1.5277613231163	0.127782763244757	0.0088634744314404	0.282705671045914
SARC	DNMT3B	cg16953106	-0.0516837753460271	265	-0.836094383949374	0.40386659538344	0.0026712126340186	0.600349435706414
SARC	DNMT3B	cg17475857	0.0954641903760659	265	1.54934727350937	0.122509939788525	0.00911341164415776	0.274591974642979
SARC	DNMT3B	cg17721173	-0.138781104425166	265	-2.26398576486561	0.0243960732133939	0.0192601949454689	0.0846393488633443
SARC	DNMT3B	cg22605822	-0.0232551395567883	265	-0.375799907700832	0.707370914325091	0.000540801515805699	0.833200118244066
SARC	DNMT3B	cg24403338	0.0878750705824603	265	1.42517851086761	0.155300341220466	0.00772202802987238	0.323205851923621
SARC	DNMT3B	cg25803642	0.0483499845592151	265	0.782032527600661	0.43490433103617	0.00233772100687634	0.62828129115372
SARC	DNMT3L	cg09247319	-0.0545665491446626	265	-0.882864928967658	0.378121681768975	0.00297750828555688	0.576742507529668
SARC	DNMT3L	cg15635600	-0.0251937955595594	265	-0.40714745793724	0.684233398316584	0.000634727334696877	0.818172569779462
SARC	DNMT3L	cg27187798	0.000902818171458996	265	0.01458547987672	0.988374026280599	8.15080650716566e-07	0.993899251141682
SARC	DPF1	cg06168449	-0.0358346936692661	265	-0.579299259558859	0.562886913204262	0.00128412527037014	0.732947652079076
SARC	DPF1	cg06615189	-0.0410599159257561	265	-0.663903121437051	0.507338351837182	0.00168591669583016	0.690130615027746
SARC	DPF1	cg07480327	0.0427251562276198	227	0.638605775900869	0.523734739306502	0.00182543897467452	0.702980492243374
SARC	DPF1	cg08057062	-0.127068192718987	265	-2.06962590041591	0.0394713933035757	0.0161463256008697	0.121310701060142
SARC	DPF1	cg13322582	0.0387277377679705	265	0.626135478448045	0.531773272137442	0.00149983767262469	0.709341048228055
SARC	DPF1	cg13917712	0.0129547382072666	265	0.209307765138373	0.834371264458298	0.000167825242018813	0.911203826443411
SARC	DPF1	cg17121541	0.0341053002035121	265	0.551308713762592	0.581893717790101	0.00116317150197168	0.747211335698348
SARC	DPF1	cg22145401	-0.125218782758972	265	-2.03902016182342	0.0424554933142635	0.0156797435556386	0.127878032980389
SARC	DPF1	cg27400772	-0.0827158305667035	188	-1.12892556139005	0.260391011298581	0.0068419086263396	0.455537877416609

SARC	DPF2	cg02186298	0.160261806932382	264	2.6179826113284	0.00936382391705149	0.0256838467612321	0.0404836901602977
SARC	DPF2	cg14699126	-0.0688734865073448	265	-1.11533369613757	0.265733327825564	0.00474355714367741	0.461520705583776
SARC	DPF2	cg15918224	-0.275590994550579	265	-4.63167025858008	5.72781023330758e-06	0.0759503962773772	8.02786133534467e-05
SARC	DPF2	cg15929437	-0.069743664706939	265	-1.12949376455476	0.259726598486521	0.00486417876675393	0.454661813741234
SARC	DPF2	cg18224556	-0.0264453747768403	265	-0.42738757924644	0.669449435199519	0.000699357847087543	0.808381183439578
SARC	DPF2	cg19517014	0.0665832221399932	265	1.07807726203846	0.281994639442691	0.00443332547054368	0.479099586817898
SARC	DPF3	cg00888802	-0.0231515004166802	265	-0.374124213054825	0.708615658307975	0.000535991971543544	0.83397952378836
SARC	DPF3	cg05151458	-0.0331634503032258	265	-0.536066804470723	0.592368936007415	0.00109981443601453	0.754737282710879
SARC	DPF3	cg07171024	-0.0327905962813246	265	-0.530033323999967	0.596539435463928	0.00107522320448482	0.757645863319851
SARC	DPF3	cg10266394	-0.0221790426044469	265	-0.358401560554859	0.720332537010787	0.000491909930849872	0.841404645408666
SARC	DPF3	cg12913429	0.0591855659543083	264	0.956014470796184	0.339952968796933	0.00350293121733178	0.539241907102874
SARC	DPF3	cg13819165	-0.0446252824102799	265	-0.721662424117627	0.471148048585436	0.00199141583019723	0.659514013345127
SARC	DPF3	cg14238615	0.0127859194515876	265	0.206579736863262	0.836499148890433	0.000163479736222487	0.912469885003328
SARC	DPF3	cg14242696	-0.110072345484266	265	-1.78914476214601	0.0747509933778824	0.0121159212404077	0.193420215494395
SARC	DPF3	cg15392845	-0.0525104526355532	265	-0.849504322445727	0.396379260530955	0.00275734763599068	0.592998619110483
SARC	DPF3	cg15740492	-0.0428584525024264	265	-0.693036283662581	0.488903001354626	0.00183684695090274	0.674919171781126
SARC	DPF3	cg16696021	-0.0255501240203372	265	-0.412909683624845	0.680011787253148	0.000652808837454612	0.815353704941768
SARC	DPF3	cg19710444	-0.0559046660303149	265	-0.904582186056592	0.366520983306167	0.00312533168396105	0.565400225566527
SARC	DPF3	cg19839347	-0.0116615136078396	265	-0.188410329517254	0.850701413003098	0.000135990899625827	0.920392979935505
SARC	DPF3	cg20548765	-0.0249794031368113	265	-0.403680570078904	0.68677816388935	0.000623970581071337	0.819721059305093
SARC	DPF3	cg21035356	-0.10950404607665	265	-1.77979507022016	0.0762729650182788	0.0119911361071572	0.196242196078581
SARC	DPF3	cg22784589	-0.0554311081903629	265	-0.896895923896685	0.370600982837522	0.00307260775521172	0.569249633947567
SARC	DPF3	cg23515460	-0.0660304199813467	265	-1.06908724653309	0.286018098734609	0.00436001636291302	0.483296595776628
SARC	DPF3	cg24383902	-0.0171769224835609	265	-0.2775426223933	0.781583192205699	0.00029504666006262	0.879321110278629
SARC	DPF3	cg25495195	-0.174352396373068	265	-2.86056350099535	0.00457103646863757	0.0303987581210313	0.0230728789930698
SARC	DPF3	cg26057784	-0.0931386111201534	265	-1.51126957145949	0.131929555741109	0.00867480088139116	0.289026411132747
SARC	EED	cg00080012	0.135837716472201	265	2.21505660631635	0.0276198731173895	0.0184518852163822	0.0928327624267384
SARC	EED	cg01739327	-0.0473447744727068	265	-0.765736931601707	0.444524766682554	0.00224152766987147	0.636505792367064
SARC	EED	cg02172616	-0.370950304345599	265	-6.45331182759779	5.29430940982315e-10	0.137604128294092	1.83540778176374e-08
SARC	EED	cg04607174	-0.348770057939253	265	-6.01206003821955	6.14741400878742e-09	0.12164055331495	1.75112385719373e-07
SARC	EED	cg06358433	-0.256426909143824	265	-4.28601221381567	2.56127201979925e-05	0.0657547597330548	0.000297346061047997
SARC	EED	cg10086030	-0.326453043761798	265	-5.57970317938822	6.02270724678455e-08	0.106571589781342	1.38087382126837e-06
SARC	EED	cg10535675	-0.231811107827372	256	-3.7829312038425	0.000193669443993996	0.0537363897121535	0.00168942820431362
SARC	EED	cg12672785	0.0696800250621026	265	1.12845809417162	0.260162700832122	0.00485530589265525	0.45527339957213
SARC	EED	cg16265078	-0.242230890874593	265	-4.03348242732561	7.22111331419335e-05	0.0586758044938988	0.000727761742666612
SARC	EED	cg18574463	0.0378455717673385	265	0.611852254679989	0.541168121170903	0.00143228730239677	0.716248358232557
SARC	EED	cg19325359	-0.25066324667139	255	-4.13477650533273	4.82560007309851e-05	0.062832063231842	0.000514320772827272
SARC	ELP3	cg01209934	0.0204222483351003	265	0.330000342555903	0.741664413990999	0.000417068227060509	0.854644370049115
SARC	ELP3	cg02516513	0.00295921202239943	265	0.0478077426447488	0.961906027343266	8.75693579351331e-06	0.980018194467297
SARC	ELP3	cg04720865	-0.0991623297297467	265	-1.60995148093857	0.108617205239059	0.00983316763743101	0.252707086890791
SARC	ELP3	cg05621091	-0.0873903477276218	265	-1.41725649306858	0.157600557368629	0.00763707287595466	0.326342935929494
SARC	ELP3	cg15692687	-0.0482917441589698	265	-0.781088320116619	0.435458442790332	0.0023320925539154	0.628701763287869
SARC	ELP3	cg17572663	-0.00906533929185979	265	-0.146461056593804	0.883670490708494	8.21803764765369e-05	0.938360116764627
SARC	ELP3	cg18022570	-0.0430591427526851	265	-0.696287529802715	0.486868378389652	0.00185408977459612	0.673245380718201
SARC	ELP3	cg18249244	-0.0683939952143835	260	-1.09687237168926	0.273727889105103	0.00467773858138511	0.470119429347656
SARC	ELP3	cg19781013	0.0574219510233881	265	0.929213212602444	0.353637183081284	0.00329728045933238	0.552681982052462
SARC	ELP3	cg22414525	0.0116259724614464	265	0.187836027935923	0.851151141331042	0.00013516323567431	0.920604127754009
SARC	ELP3	cg22487209	-0.0841425077704716	265	-1.36420164062868	0.173679291480574	0.00707996161390387	0.348694301678532
SARC	ELP3	cg25374552	-0.0008272646522079	265	-0.0133648740470079	0.989346900985832	6.84366804792658e-07	0.994343900674406
SARC	ELP4	cg04972224	-0.226733499680078	265	-3.76093852467536	0.00020899416966751	0.0514080798771759	0.00180089637074814
SARC	ELP4	cg05195750	-0.0466172485234829	265	-0.753944367858498	0.451562263939201	0.00217316785990016	0.642150090248881
SARC	ELP4	cg05635455	-0.28455736188421	265	-4.79541192297347	2.73095605712707e-06	0.0809728922025014	4.16718642738733e-05
SARC	ELP4	cg08111895	-0.239885006598926	265	-3.99202271951861	8.52022141514282e-05	0.0575448163909669	0.000838254205671292
SARC	ELP4	cg08626560	-0.322672837362978	265	-5.50753414143778	8.70923822469854e-08	0.104117759971875	1.91770868511803e-06
SARC	ELP4	cg09616795	0.247766665319883	265	4.13161791965363	4.85535213948162e-05	0.0613883204437351	0.000516854494169175
SARC	ELP4	cg10583382	-0.164385081003064	265	-2.69234831552809	0.00755408369060462	0.0270224548563838	0.0343843184498798
SARC	ELP4	cg11385473	0.00957411934394425	265	0.154681721167586	0.877191788083555	9.16637612120875e-05	0.934948383614538

SARC	ELP4	cg13263383	-0.137405065492424	252	-2.1845779867321	0.0298564696115157	0.0188801520229772	0.0983078754892337
SARC	ELP4	cg19328333	-0.0837799659540696	265	-1.35828211422357	0.175547079556929	0.00701908269526507	0.351256706886796
SARC	ELP4	cg24001477	0.0506987829924179	265	0.820118586681498	0.412896844101574	0.00257036659691228	0.608488616542355
SARC	ELP4	cg24531794	-0.106024748387877	265	-1.72259163392977	0.0861469416932434	0.0112412472707127	0.214112306136875
SARC	ELP4	cg25130734	-0.257516767852231	265	-4.30551938579513	2.35936179374779e-05	0.06631488572506	0.000276797151836548
SARC	EP300	cg00500400	-0.186656872614144	265	-3.06947965158557	0.00237047113524585	0.0348407880940926	0.0136376594804996
SARC	EP300	cg02046995	0.0145350125635233	265	0.234845123159617	0.814513081335848	0.000211266590221782	0.900187962060534
SARC	EP300	cg07519229	-0.194725812876019	264	-3.2011364524203	0.00153906926077333	0.0379181422002263	0.00959839298321312
SARC	EP300	cg08131204	-0.280965350258628	264	-4.72058516810879	3.84729671665087e-06	0.0789415280459534	5.63859458883078e-05
SARC	EP300	cg09331127	-0.134575570203582	265	-2.1940938138594	0.0291103803881197	0.0181105840956191	0.0965760984226784
SARC	EP300	cg24349919	0.0358874251031387	265	0.580152807930201	0.562312081948595	0.00128790728053339	0.73254246940701
SARC	EPC1	cg02900516	-0.248944001537781	265	-4.15254432640596	4.4569848910652e-05	0.0619731159016428	0.000480497065708878
SARC	EPC1	cg16942190	-0.207315784213265	265	-3.42367142426638	0.000717221706401468	0.0429798343839609	0.0050885130349107
SARC	EPC1	cg26211455	-0.164772040327375	265	-2.69886270873181	0.00741180174674289	0.0271498252736462	0.0338734405525859
SARC	EPC2	cg00066942	0.130539622057445	265	2.12713382176464	0.0343468879280766	0.0170405929269006	0.109243296924518
SARC	EPC2	cg03664802	-0.243400212428259	265	-4.05417629965457	6.6454556078782e-05	0.0592436634101218	0.000679606380385535
SARC	EPC2	cg04098458	-0.0393931269911856	265	-0.636909819423387	0.524741816806336	0.00155181845414367	0.703835667798274
SARC	EPC2	cg05586854	-0.101177557551516	265	-1.64300473568295	0.101586085688084	0.0102368981520904	0.240982739221163
SARC	EPC2	cg10458926	-0.221769913863568	265	-3.67429616944095	0.000289397957875307	0.0491818946950544	0.00237183151442811
SARC	EPC2	cg11721798	-0.207876493082095	265	-3.43334874762246	0.000693175712411876	0.0432126363761101	0.00494669862966632
SARC	EPC2	cg12432635	-0.0631806365873516	265	-1.02275778172886	0.307369404177642	0.00399179283958299	0.505892087940495
SARC	EPC2	cg16434205	0.0836831793315199	265	1.35670188926337	0.176048227213889	0.00700287450303132	0.351897793697753
SARC	EPC2	cg21347644	-0.150896238418142	265	-2.46604047085528	0.0143050229244385	0.0227696747687446	0.0562838839461749
SARC	EPC2	cg21650422	-0.223185735177992	265	-3.69897918306307	0.000263930306068514	0.0498118723869407	0.00219173721501857
SARC	EZH1	cg00728999	-0.228233435025293	265	-3.78718118177879	0.000189149385157172	0.0520905008634445	0.00165575416551334
SARC	EZH1	cg01716316	0.039988134916795	265	0.6465452267595	0.518494450526093	0.0015990509341238	0.699326142553948
SARC	EZH1	cg03623386	-0.160903344147049	265	-2.63379093033652	0.00894789103573254	0.0258898861577038	0.0391723261245795
SARC	EZH1	cg05375741	-0.14521360686903	265	-2.37113082550246	0.0184602693673117	0.0210869916199131	0.0684401072420337
SARC	EZH1	cg05979501	-0.173679248019941	265	-2.84917510517302	0.00473269023290189	0.0301644811927723	0.0237409662095931
SARC	EZH1	cg06975499	-0.0158020330473607	265	-0.25532153616985	0.798675852135569	0.000249704248429881	0.890031217193119
SARC	EZH1	cg12812489	-0.0754036829102333	265	-1.22166173981271	0.222937839332464	0.005685715396427	0.41163430630369
SARC	EZH1	cg19395400	-0.0382659631499564	265	-0.618658666103898	0.536680793018004	0.00146428393579382	0.712732688545592
SARC	EZH1	cg22227424	0.0785655601176836	265	1.27320099730489	0.20407955232074	0.00617254723660536	0.388094375018081
SARC	EZH1	cg27088844	-0.0874807513630672	265	-1.41873391839623	0.157169617954936	0.00765288185904678	0.325853317982607
SARC	EZH2	cg01893439	0.00634604014105519	265	0.102525480582241	0.918418315081531	4.02722254718838e-05	0.956976694729708
SARC	EZH2	cg02303805	0.116370482227973	265	1.89288316055619	0.0594797215273639	0.0135420891339709	0.163640499562622
SARC	EZH2	cg06816161	0.0736012064149495	265	1.19229768538759	0.234227428660813	0.005417137585736	0.425169484220531
SARC	EZH2	cg13751213	0.0386392584844758	265	0.624702837344825	0.532711833993489	0.00149299229623013	0.7099425983175
SARC	EZH2	cg18494018	0.00230135390998411	265	0.0371796087104299	0.970370217969809	5.29622981899915e-06	0.98432659573495
SARC	EZH2	cg20101066	0.0485423943555319	265	0.785151978743296	0.433076582379083	0.00235636404976797	0.626767615224658
SARC	FBXL19	cg00026853	-0.0593250593552851	265	-0.960116702105024	0.337885072192792	0.00351946266750809	0.537314621957605
SARC	FBXL19	cg02291855	0.166899661361719	265	2.73470381671303	0.00667135920124931	0.0278554969626564	0.0311763052208313
SARC	FBXL19	cg03181514	0.0971907871970549	265	1.57763410470587	0.115860911267514	0.00944604911598321	0.264280026138242
SARC	FBXL19	cg03627896	0.0494736742028274	265	0.800251633339548	0.42429280643884	0.00244764443912751	0.619239015518477
SARC	FBXL19	cg04477789	-0.181273695576379	265	-2.97790201630685	0.00317524055689154	0.0328601527079176	0.0172514877353056
SARC	FBXL19	cg05643349	-0.139126439030028	265	-2.26973038759121	0.0240399879394033	0.019356166037176	0.08367636786389
SARC	FBXL19	cg05768582	0.0252724678441376	265	0.408419662439198	0.683300476365155	0.000638697630932969	0.817581205813108
SARC	FBXL19	cg06862768	-0.0904923906513671	265	-1.46797218656139	0.143315845061723	0.00818887276579963	0.306163120085041
SARC	FBXL19	cg07697662	-0.0447648457771693	265	-0.72392391242195	0.469760803109488	0.00200389141745375	0.658503667086352
SARC	FBXL19	cg08535091	0.028051828611395	265	0.45336957516011	0.650659339160058	0.000786905088443082	0.795708308531551
SARC	FBXL19	cg08593668	0.0850064211168969	265	1.378309687133	0.16928804282382	0.00722609163110322	0.342743962196446
SARC	FBXL19	cg09011601	-0.238615565798886	265	-3.96961840871159	9.31177563645243e-05	0.0569373882415226	0.000906293349008108
SARC	FBXL19	cg11940219	-0.0372915221589166	264	-0.601726270119165	0.547880680830662	0.00139065762492897	0.72116934881881
SARC	FBXL19	cg26666512	-0.182326317927882	265	-2.99578696606952	0.00300069582330283	0.033242886209139	0.0164669956883479
SARC	FBXL19	cg27602786	-0.0764649103748799	265	-1.23895575728152	0.216474908448025	0.00584688251863841	0.403731516777083
SARC	FBXW9	cg02753619	0.0980228787490702	265	1.59127137680783	0.112758945648082	0.00960848475825491	0.259594845306349
SARC	FBXW9	cg03160342	0.0321529725165219	265	0.519715882274696	0.603702098940442	0.00103381364164821	0.762683472219785

SARC	FBXW9	cg05868316	0.134829666533166	265	2.19831318258424	0.0288048965749478	0.0181790389774447	0.0957791128462765
SARC	FBXW9	cg06489804	0.132134039229064	265	2.15357357323232	0.0321896373299645	0.0174594043229879	0.104040033658085
SARC	FBXW9	cg12110584	0.0152128985912905	265	0.245800343038166	0.806029970973196	0.00023143228354889	0.894778611859483
SARC	FBXW9	cg14342428	-0.0073776248458669	265	-0.11919242086765	0.905214600423305	5.44293483663525e-05	0.949751363867648
SARC	FBXW9	cg15828427	-0.113291614320361	265	-1.84214216015454	0.0665886953977218	0.0128349898753134	0.177702341935795
SARC	FBXW9	cg19721801	-0.105736454890031	265	-1.71785467662966	0.0870091585362147	0.0111801978927116	0.215602971402497
SARC	FBXW9	cg21564527	0.0605448501682673	265	0.979929691889589	0.328028268807268	0.00366567888189794	0.527560545442365
SARC	FBXW9	cg22303873	0.0636940458546772	265	1.03110248418296	0.303447288046487	0.00405693147733773	0.501960114493345
SARC	FKBP1A	cg04613791	0.0492404007878319	265	0.796469172604002	0.426483251298381	0.00242461706974632	0.621098630577209
SARC	FKBP1A	cg07516946	0.0665151607758701	265	1.07697035177937	0.282487939683916	0.00442426661303985	0.479675792984035
SARC	FKBP1A	cg10996143	-0.0291454365842574	265	-0.471059052733443	0.637992036651798	0.000849456473686968	0.787059189649381
SARC	FKBP1A	cg21332426	-0.0593825841929097	265	-0.961050976949952	0.337416021962294	0.00352629130542801	0.536983113990077
SARC	FKBP1A	cg21775445	0.0135923918596481	265	0.219612098809018	0.82634492547816	0.000184753116466227	0.906631085715365
SARC	FKBP1A	cg24641773	-0.154014270091828	265	-2.51822254272785	0.0123936645394099	0.0237203953919186	0.0504132151204629
SARC	FKBP1A	cg26779912	-0.103850148555388	265	-1.68687148524646	0.092822848229296	0.0107848533549761	0.225827516110516
SARC	FKBP2	cg03764062	-0.102236811125875	265	-1.66038650952232	0.0980375826051418	0.0104523655491879	0.23471934574168
SARC	FKBP2	cg04446112	-0.0519734642255954	265	-0.840793372030196	0.401233312668149	0.00270124098360925	0.597823188648319
SARC	FKBP2	cg06615912	-0.051585050831342	265	-0.834493040829884	0.40476634957075	0.00266101746927214	0.60121037515049
SARC	FKBP2	cg09854726	-0.0718681386200328	265	-1.16407544636419	0.245456425055287	0.00516502934870825	0.438361733947451
SARC	FKBP2	cg10998122	-0.054703417552887	265	-0.885086043330985	0.376924892405191	0.0029924638919655	0.57549252393958
SARC	FKBP2	cg12423493	-0.0878882437237396	265	-1.42539381895233	0.15523818466571	0.00772434338484346	0.323107913917723
SARC	FKBP2	cg15010817	-0.0545375106951814	265	-0.882393696496761	0.378375895421401	0.00297434007282702	0.576971880126477
SARC	FKBP2	cg16977872	-0.115542820736665	265	-1.87923758953414	0.0613262667689604	0.0133501434237851	0.167267919396414
SARC	FKBP2	cg19924313	-0.0508784008233461	265	-0.823031665635259	0.411241328228518	0.00258861167034107	0.607072390144202
SARC	FKBP2	cg21809711	-0.039554627930326	265	-0.639525057115635	0.523042334091949	0.00156456859070652	0.702578999627156
SARC	FKBP2	cg22074794	-0.0487525952480943	265	-0.78855968864496	0.431084891289288	0.0023768155434245	0.625096796453968
SARC	FKBP2	cg24677501	-0.022540270784135	265	-0.36424175969322	0.715972397465741	0.000508063807022131	0.838527590757104
SARC	FKBP5	cg00130530	0.0429703795008598	265	0.694849526387123	0.487767709988727	0.00184645351444791	0.673985812271102
SARC	FKBP5	cg00140191	-0.0559055033178208	265	-0.904595776513396	0.366513794300171	0.00312542530121887	0.565400225566527
SARC	FKBP5	cg00610228	0.00667536040068133	265	0.107846150576605	0.914200590630424	4.45604364789843e-05	0.954724275727638
SARC	FKBP5	cg01294490	-0.109859868499957	265	-1.78564887217104	0.0753171188831924	0.0120691907068278	0.194475648088103
SARC	FKBP5	cg07485685	-0.0110722241575004	265	-0.178888221269637	0.858164255443621	0.000122594147793935	0.924641349676335
SARC	FKBP5	cg07843056	-0.0482215714247736	265	-0.779950673348846	0.436126618939073	0.00232531995067454	0.629229120803899
SARC	FKBP5	cg08636224	0.109239537709649	265	1.77544396761463	0.0769898691659986	0.0119332765990177	0.197596578202623
SARC	FKBP5	cg08915438	0.10428919273914	265	1.69408127192821	0.0914427428328054	0.0108762357221815	0.223356988788824
SARC	FKBP5	cg10913456	-0.0434343704897389	265	-0.702366565813835	0.483076506565151	0.0018865445398399	0.669989154822588
SARC	FKBP5	cg16012111	-0.084962642924235	265	-1.37759469690156	0.169508555667389	0.00721865069267106	0.343011876484987
SARC	FKBP5	cg17030679	-0.0573049907291091	265	-0.927314296162152	0.354620089892649	0.00328386196246328	0.553553358873608
SARC	FKBP5	cg20813374	0.0577643362475431	265	0.934772251062742	0.350769712220268	0.00333671854211923	0.549735666071629
SARC	FKBP5	cg25114611	-0.151265002578777	265	-2.47220799251186	0.0140662445867029	0.0228811010051574	0.0555523114721272
SARC	FMR1	cg02921434	0.156150138983085	265	2.55401191684992	0.0112177450112835	0.0243828659044369	0.0466370914604418
SARC	FMR1	cg03513471	0.159639044904152	265	2.61255250128485	0.00950790947872985	0.0254846246579099	0.0409443167434261
SARC	FMR1	cg04552106	0.139910654002241	265	2.28277890148776	0.0232479633973136	0.0195749911033349	0.0815986313179305
SARC	FMR1	cg04744025	0.13054859278335	265	2.12728253350018	0.0343344151571122	0.0170429350777129	0.109212556435065
SARC	FMR1	cg05288927	0.0344523638436382	265	0.556925595718075	0.578055508060549	0.00118696537441443	0.744388442403906
SARC	FMR1	cg07147350	-0.0393412432768745	265	-0.636069660035538	0.525288387883562	0.00154773342257023	0.704277352894779
SARC	FMR1	cg08434396	0.0835478170618958	265	1.35449190863392	0.176750892019489	0.006980237735808	0.352803379015861
SARC	FMR1	cg14470409	0.153749327635518	265	2.51378560558763	0.0125468467417575	0.0236388557483738	0.05092181737418
SARC	FMR1	cg16783314	0.126541165247004	265	2.06090194451013	0.0403031708621554	0.0160126665020695	0.123118859422387
SARC	FMR1	cg22625568	-0.0773445908661549	255	-1.2290504874899	0.220203855973103	0.0059821857362529	0.408364015636951
SARC	FXR2	cg01807919	0.331068698632995	265	5.6682289100644	3.81258625777815e-08	0.109606483214545	9.17890810896263e-07
SARC	FXR2	cg01933235	-0.363424966823768	265	-6.30223497034429	1.24248133067815e-09	0.132077706510857	4.03749342684945e-08
SARC	FXR2	cg05529097	-0.237608374673974	263	-3.93668755561631	0.000106227418962971	0.0564577397152074	0.00101471707156255
SARC	FXR2	cg05913233	-0.410116037773386	265	-7.26467660886614	4.31795601221502e-12	0.168195164438941	2.19263100531498e-10
SARC	FXR2	cg09625173	-0.311389001609756	263	-5.27351766498545	2.8255960751704e-07	0.0969631103235209	5.51351273845168e-06
SARC	FXR2	cg17777561	-0.376184357118316	265	-6.55925548301796	2.88697565003783e-10	0.14151467054052	1.05441025220208e-08
SARC	FXR2	cg19178740	-0.42922738690747	265	-7.67759943785081	3.25573332334511e-13	0.184236149671415	1.98181939089444e-11

SARC	FXR2	cg22521096	-0.413372756156336	264	-7.32013435852166	3.09352204779241e-12	0.170877035532285	1.62277447192153e-10
SARC	FXR2	cg26904212	-0.184468860318684	265	-3.03222357679637	0.00267203051342834	0.0340287604272741	0.0150161050178173
SARC	G2E3	cg02259031	0.00858908552163019	265	0.138766041875346	0.889742036128919	7.37723900978773e-05	0.941534993534505
SARC	G2E3	cg05076167	-0.219550597895014	265	-3.63565437363591	0.000333964534745241	0.0482024650360581	0.00267315948307144
SARC	G2E3	cg07906495	0.112430218041027	265	1.82795568885005	0.0686977002688225	0.0126405539287528	0.181814958655262
SARC	G2E3	cg08810065	-0.0520187913133083	265	-0.841528633302371	0.400822217057365	0.00270595464969752	0.597382293115708
SARC	G2E3	cg09837748	-0.328568800670608	265	-5.6202261663585	4.88852127873919e-08	0.107957456774121	1.14478514255941e-06
SARC	G2E3	cg18580322	-0.20843054698448	264	-3.43631273516807	0.000686350797404003	0.0434432929162495	0.00490437897797805
SARC	G2E3	cg18755078	0.00620373400657683	265	0.10022631882455	0.920241595045246	3.84863156243578e-05	0.958062104639132
SARC	G2E3	cg18956956	-0.21667950574118	265	-3.58575199701148	0.000401108499752934	0.0469500082082421	0.00311136051747729
SARC	G2E3	cg19554565	0.0333071309771371	265	0.538391888115762	0.590765376105172	0.00110936497392817	0.75365696406569
SARC	G2E3	cg21061067	-0.150604080884882	265	-2.46115493087736	0.0144967142655162	0.02268158917918	0.0568397454549454
SARC	G2E3	cg22926526	-0.141098452411789	265	-2.30255097303948	0.0220912562456472	0.0199087732730018	0.0785124761213009
SARC	GADD45	cg01810953	-0.0740710781576835	265	-1.19995119839787	0.231246365580997	0.00548652461944166	0.421723961757841
SARC	GADD45	cg02639608	-0.213364020649533	265	-3.5282469979757	0.000494156435874995	0.0455242053077343	0.00371280720228504
SARC	GADD45	cg04718306	-0.058209533325883	265	-0.942001059738906	0.347063178911326	0.0033883497707977	0.54635920716004
SARC	GADD45	cg07000785	0.165067607298232	265	2.70383939020252	0.0073047390870922	0.0272473149791634	0.0334903861705122
SARC	GADD45	cg22224769	-0.0952320283617779	265	-1.54554484609257	0.123426148806458	0.00906913922589847	0.276120487152747
SARC	GADD45	cg23369529	-0.0952079449994178	265	-1.5451504152791	0.123521495568069	0.00906455279101217	0.276270232482961
SARC	GADD45	cg23723105	-0.164313993792679	265	-2.69115171365989	0.00758048504501054	0.0269990885561006	0.0344843139928396
SARC	GATAD2A	cg02887458	-0.144653314955376	265	-2.36178614648879	0.0189219016115971	0.0209245815275791	0.0697527845915074
SARC	GATAD2A	cg08505228	-0.00181708827010175	265	-0.0293560078748435	0.97660309269483	3.30180978134136e-06	0.987654176945534
SARC	GATAD2A	cg08870822	0.0713522041997395	265	1.15567574260041	0.248870646960846	0.00509113704416132	0.442301053586606
SARC	GATAD2A	cg09334331	0.0537483494722031	265	0.869588138626865	0.385324518558504	0.00288888507098607	0.583393709796043
SARC	GATAD2A	cg11795262	-0.0185890583764201	265	-0.300367329813092	0.764136087421221	0.000345553091321956	0.869050942241682
SARC	GATAD2A	cg14948912	0.0863762091048661	265	1.40068529798143	0.162495956373606	0.00746084949932755	0.333145616817191
SARC	GATAD2A	cg15264323	0.0914147370161881	265	1.48305998389547	0.139264957372959	0.00835665414373883	0.300149068479918
SARC	GATAD2A	cg22191731	-0.0437990053371266	265	-0.708274272504085	0.479407011827907	0.00191835286852164	0.666767781280442
SARC	GATAD2A	cg26631329	-0.103742890741714	265	-1.68511029721804	0.0931625201022322	0.0107625873794472	0.226399009397509
SARC	GATAD2E	cg02134200	0.163988932563185	265	2.68568054854345	0.00770226163552413	0.0268923700032128	0.0349198520702817
SARC	GATAD2E	cg02940454	-0.0340673428618668	265	-0.550694423858056	0.582314208900623	0.00116058384966799	0.747533854244473
SARC	GATAD2E	cg09805553	-0.119488711256415	265	-1.94432923959179	0.0529300985975996	0.0142775521177188	0.150377769713741
SARC	GATAD2E	cg10226922	-0.25174367600161	265	-4.20238581856625	3.629910484049e-05	0.0633748784068037	0.00040231550961121
SARC	GATAD2E	cg10489353	-0.0399873056317748	265	-0.64653179705135	0.518503131043129	0.00159898461168897	0.699326142553948
SARC	GATAD2E	cg15064304	-0.155094901573852	265	-2.53632543125408	0.0117857994272933	0.0240544284942029	0.0484933876684221
SARC	GATAD2E	cg20773694	-0.160160660779691	265	-2.6213133007704	0.00927320093423321	0.0256514372613872	0.040231301360688
SARC	GATAD2E	cg23046518	0.013274013044794	265	0.21446713902018	0.830350255935249	0.000176199422313362	0.908948848413845
SARC	GATAD2E	cg23323627	0.029443841371055	265	0.475886142059893	0.634553574263702	0.000866939794683853	0.784742775443082
SARC	GATAD2E	cg26398333	0.121890488329413	265	1.98399465094039	0.0483039272302945	0.0148572911451828	0.140624175352457
SARC	GLYR1	cg00636946	0.0390883739061024	265	0.631974988740139	0.527956389675271	0.00152790097462326	0.706442136576103
SARC	GLYR1	cg00885266	-0.0264513697906791	265	-0.427484533372778	0.669378920582375	0.000699674963803252	0.808308581528108
SARC	GLYR1	cg01261535	-0.163513832935848	265	-2.67768567638188	0.00788338261660633	0.0267367735613724	0.0355153965297818
SARC	GLYR1	cg01565912	0.180708690612163	265	2.96830647030064	0.00327267688179396	0.0326556308627626	0.0176593344899965
SARC	GLYR1	cg02454264	0.0849897162228631	265	1.37803686002784	0.169372160918595	0.0072232518636428	0.342842888387311
SARC	GLYR1	cg06399529	-0.289381549024414	265	-4.88407276138949	1.81372812696841e-06	0.0837416809157696	2.89770321790003e-05
SARC	GLYR1	cg06976003	-0.132823166170708	265	-2.16500641546805	0.0312936071105385	0.0176419934716115	0.101884163214821
SARC	GLYR1	cg11289281	0.0405506091506657	265	0.655654425003484	0.51262401686509	0.00164435190249005	0.694479089702781
SARC	GLYR1	cg15663121	0.127253566369576	265	2.07269483826212	0.0391822939398778	0.0161934701537761	0.120642261329805
SARC	GLYR1	cg18354686	-0.0549482961767558	265	-0.889060083330018	0.374789455466049	0.00301931525272847	0.573461436587144
SARC	GTF2B	cg02705666	-0.284615480828687	265	-4.79647767756761	2.71764636752126e-06	0.0810059719273449	4.15193600775626e-05
SARC	GTF2B	cg04270788	0.0816382107004137	265	1.32332286924323	0.186886082803463	0.00666479744636515	0.36595388455529
SARC	GTF2B	cg05306856	-0.226281510994287	260	-3.71691367760678	0.000247709610693209	0.0512033222178576	0.00207520153502773
SARC	GTF2B	cg06356032	-0.0836435823185691	265	-1.35605540416487	0.176253560465448	0.00699624886308325	0.352166079619068
SARC	GTF2B	cg07167781	-0.0120623903028406	265	-0.194888057991088	0.845632201731192	0.000145501259818062	0.917543432800205
SARC	GTF2B	cg10430205	0.0389552967061449	261	0.624975298594517	0.532541764641229	0.00151751514146378	0.709906512869688
SARC	GTF2B	cg12074130	-0.283445907165334	265	-4.77504170287781	2.99777825222167e-06	0.080341582288779	4.51081550006446e-05
SARC	GTF2B	cg13868361	0.0172206971321614	265	0.278250137384919	0.781040656344996	0.00029655240971763	0.879080367193822

SARC	GTF2B	cg14010405	0.0307282331047964	265	0.496664335150516	0.619843831831224	0.000944224309742703	0.774521042331559
SARC	GTF2B	cg17811845	0.0553214296718562	265	0.895115831416951	0.371549916204773	0.00306046058093813	0.570150587447415
SARC	GTF2B	cg22607980	-0.0447952006205283	265	-0.724415788685283	0.469459376540177	0.00200660999863338	0.658263599044114
SARC	GTF2H1	cg05849260	-0.334452319917266	265	-5.73341461236712	2.71363287388994e-08	0.111858354298041	6.76833458773305e-07
SARC	GTF2H1	cg07583091	-0.345279604670733	265	-5.94370115699112	8.89026002590744e-09	0.119218005401578	2.45686994122715e-07
SARC	GTF2H1	cg08690812	-0.341771215117506	265	-5.87527319281316	1.28230063872076e-08	0.116807563482897	3.4303746866796e-07
SARC	GTF2H1	cg10797557	-0.114262775889702	265	-1.85814142151697	0.0642748338684188	0.0130559819540202	0.173125006092368
SARC	GTF2H1	cg11063328	-0.0434497131669385	265	-0.702615137678992	0.482921800869194	0.00188787757428923	0.669910343998705
SARC	GTF2H1	cg11176342	-0.0142131060686736	265	-0.229642952334977	0.818549091223318	0.000202012384119365	0.90241777680725
SARC	GTF2H1	cg11347316	0.0237664020103788	265	0.384066458824061	0.701241895796895	0.000564841864518938	0.828824686513372
SARC	GTF2H1	cg11662851	0.0257931134248769	265	0.416839181480654	0.677138662360247	0.000665284700148564	0.813486604890018
SARC	GTF2H1	cg13777411	0.0686832745634821	265	1.11223879362171	0.267058902306765	0.00471739220476267	0.462769640621297
SARC	GTF2H1	cg14132868	0.0445873656871549	265	0.721048027902569	0.471525324687952	0.00198803317892008	0.659733477972959
SARC	GTF2H1	cg17174493	0.0639971563345705	265	1.03602947875888	0.301147312369716	0.00409563601891146	0.499519275447541
SARC	GTF2H1	cg18321761	0.0128078058216175	265	0.206933408864477	0.836223213582386	0.000164039889964259	0.912309604765772
SARC	H2AFZ	cg02758870	0.0243267738952818	265	0.393127401982699	0.694546300130489	0.000591791928152163	0.824883742059041
SARC	H2AFZ	cg09308803	-0.00476274654228208	265	-0.0769453979046089	0.938725933163489	2.26837546260199e-05	0.967222402408952
SARC	H2AFZ	cg16267491	-0.0809921179777595	265	-1.31278053297789	0.190410039160164	0.00655972317452331	0.370652551957407
SARC	H2AFZ	cg17709884	-0.100871705606654	265	-1.63798692508337	0.102629391045485	0.0101751009919954	0.242679517402222
SARC	H2AFZ	cg20934652	0.0945073945013333	265	1.53367818339278	0.126320089591359	0.00893164761543065	0.280505382058922
SARC	H2AFZ	cg23752380	0.054593897327115	265	0.883308734042553	0.377882361018354	0.00298049362536358	0.576479201338625
SARC	H2AFZ	cg24061702	-0.108874161192342	265	-1.76943243443331	0.0779891294031903	0.0118535829753361	0.199267912783244
SARC	H3F3A	cg06319713	-0.054252433788957	265	-0.877767621740475	0.380877119486212	0.00294332657202516	0.579262581907625
SARC	H3F3A	cg10632229	-0.00083499964365207	265	-0.0134898367876176	0.989247299615775	6.97224404899098e-07	0.994314147234511
SARC	H3F3A	cg10983539	-0.0974406260849923	265	-1.58172839916113	0.11492260711207	0.00949467561183527	0.262764204610756
SARC	H3F3A	cg11978873	0.153912239095506	265	2.51651378467947	0.0124524598738304	0.0236889773433923	0.0506021031876706
SARC	H3F3A	cg15538837	0.0107517032857602	265	0.173709123055052	0.862228717648697	0.000115599123545026	0.926761552161084
SARC	H3F3A	cg15624314	0.197087566710522	265	3.2477487902933	0.00131554641108214	0.0388435089518744	0.00842734004477306
SARC	H3F3A	cg16724613	-0.258546005803719	265	-4.32395767459419	2.18258503192098e-05	0.0668460371170567	0.000258514037718119
SARC	H3F3A	cg16727519	-0.0177357741514938	265	-0.286575276136426	0.774664900236797	0.000314557684752794	0.875083946091106
SARC	H3F3A	cg18947521	0.188311224387555	265	3.09768027937606	0.00216340362607853	0.0354611172303401	0.0126550734406461
SARC	H3F3A	cg19410789	0.0771031695811056	265	1.24935901827403	0.212653044483646	0.00594489875945272	0.39894500355338
SARC	H3F3A	cg21266749	-0.0103948760583125	265	-0.167943435850045	0.866757838744087	0.000108053448267679	0.929185617125494
SARC	H3F3A	cg21789564	-0.00828082365487792	265	-0.133785387408139	0.89367538148106	6.85720404031858e-05	0.94364069012553
SARC	H3F3A	cg22519151	-0.28379108769814	265	-4.78136576406171	2.91235886556139e-06	0.0805373814568936	4.40015625534051e-05
SARC	H3F3A	cg27530209	0.0558966604223033	265	0.904452242891091	0.366589724401204	0.00312443664636629	0.565450203629767
SARC	H3F3A	cg27560444	-0.28526199068487	265	-4.80833691948948	2.57370337144923e-06	0.0813744033294947	3.94986545824662e-05
SARC	HAT1	cg00414306	-0.230639118326774	265	-3.8293301799642	0.000160958974118386	0.0531944029025517	0.00144575019426922
SARC	HAT1	cg01583365	0.0306345366230575	265	0.495148482248376	0.620911903015103	0.000938474834109452	0.775332593630128
SARC	HAT1	cg04507121	0.222377579461085	265	3.68488702795085	0.00027819911766127	0.0494517878469712	0.00229382322833501
SARC	HAT1	cg04950839	-0.0416668088206524	265	-0.673732993177854	0.50107728296414	0.0017361229572968	0.684907160820049
SARC	HAT1	cg05421799	0.140258352013556	265	2.28856563177154	0.022904073934131	0.0196724053095587	0.0806645627974007
SARC	HAT1	cg09545452	-0.174508464143006	265	-2.86320446220128	0.00453427487932113	0.0304532040575509	0.0229230166338646
SARC	HAT1	cg10190161	-0.117186393292766	265	-1.9063389161694	0.0577045280164547	0.0137326507729669	0.159975270037136
SARC	HAT1	cg12941622	-0.106455624379373	265	-1.72967218693854	0.0848711015019353	0.0113327999620021	0.211843469209187
SARC	HAT1	cg13293756	-0.196806328077639	265	-3.24292746394733	0.00133712392420281	0.0387327307714032	0.00854586087409083
SARC	HAT1	cg14446129	0.0154031349982314	265	0.248874786876296	0.80365336618168	0.000237256567773741	0.893045123612462
SARC	HAT1	cg16017358	0.154847774236661	265	2.53218469968689	0.0119224430636497	0.023977833186048	0.0488968566475598
SARC	HDAC1	cg03762702	-0.220337386332707	265	-3.64934677903466	0.000317481223415621	0.0485485638159286	0.00256284469175001
SARC	HDAC1	cg04967775	-0.385777295975464	265	-6.75534081630065	9.23430773043723e-11	0.148824122090141	3.71444537529283e-09
SARC	HDAC1	cg06473843	-0.219759672338281	265	-3.6392921480798	0.000329508409805318	0.0482943135862286	0.00264238503581022
SARC	HDAC1	cg10842753	-0.220521004423391	265	-3.6525433436774	0.000313744957130481	0.048629513391901	0.00253795104450542
SARC	HDAC1	cg14172124	-0.172644729168993	265	-2.83168102524929	0.00499116825602763	0.029806202509835	0.0247298225150891
SARC	HDAC1	cg20002354	-0.418270870411639	265	-7.43939942129787	1.46189824589042e-12	0.17495052103491	8.09444214525263e-11
SARC	HDAC1	cg20793809	-0.361417700696586	265	-6.26217986915827	1.55417427239856e-09	0.130622754376807	4.96124059692137e-08
SARC	HDAC1	cg21930229	-0.233408027182013	265	-3.87793497523834	0.000133392283473892	0.0544793071529995	0.00123229061875881
SARC	HDAC1	cg23018091	-0.240215944689758	265	-3.997866997339	8.3245076177991e-05	0.0577037000831929	0.00082098978907082

SARC	HDAC1	cg26115470	-0.246761357047587	265	-4.11376464115485	5.22184182672034e-05	0.0608911673319665	0.00055059360676048
SARC	HDAC10	cg00711351	-0.100633301832901	265	-1.63407599543512	0.103448483521691	0.0101270614377918	0.243950144808464
SARC	HDAC10	cg01120165	-0.148497535376822	265	-2.42594813047449	0.015946758977926	0.0220515180129905	0.0611385426015856
SARC	HDAC10	cg04321608	-0.165048757513033	265	-2.70352197997359	0.00731152559535527	0.0272410923565958	0.0335119823539874
SARC	HDAC10	cg04586023	-0.151978578644166	265	-2.48414544047394	0.013614111273529	0.023097488366701	0.0542083838258551
SARC	HDAC10	cg07482373	-0.171043853948922	265	-2.80462867271983	0.00541622153529274	0.0292559999737002	0.0264417658058716
SARC	HDAC10	cg07744063	-0.135626329929251	265	-2.21154495688941	0.0278648462309449	0.0183945013700779	0.0934522265774326
SARC	HDAC10	cg09151829	-0.170506377453131	265	-2.79555128188095	0.00556605040693456	0.0290724247521895	0.0270222993857381
SARC	HDAC10	cg10508940	-0.0967383792988549	265	-1.5702209278832	0.117575215336946	0.00935831402936913	0.267031976817282
SARC	HDAC10	cg11645658	-0.170619358428759	265	-2.79745919348371	0.00553425025403379	0.0291109654706413	0.0268964493198166
SARC	HDAC10	cg12464820	-0.17108278564857	265	-2.80528628666558	0.00540551072068953	0.0292693195452746	0.0264027312742715
SARC	HDAC10	cg26943378	0.00492982660441601	265	0.0796447540228184	0.93658083139579	2.43031903496078e-05	0.966176652322889
SARC	HDAC11	cg01409735	-0.19740481697404	265	-3.25318847206672	0.00129158970759069	0.0389686617645542	0.00829984550737732
SARC	HDAC11	cg01712016	-0.0806073879459152	265	-1.30650366062685	0.192531432490723	0.00649755099146327	0.373247993685348
SARC	HDAC11	cg02762546	-0.0949515717998047	265	-1.54095177372603	0.124540031592473	0.00901580098725347	0.277670159856265
SARC	HDAC11	cg02941903	-0.145030543939595	265	-2.36807740350983	0.0186100077529979	0.0210338586754147	0.0688681830052667
SARC	HDAC11	cg05987698	-0.0561395032313622	265	-0.90839402813801	0.364508083013705	0.00315164382306412	0.563434704537596
SARC	HDAC11	cg07450135	-0.0945542554978821	265	-1.53444550826041	0.126131367927491	0.00894050723275876	0.280182280247602
SARC	HDAC11	cg08051076	0.003065082719875	265	0.0495181593875474	0.96054423851454	9.39473207967633e-06	0.979275266571438
SARC	HDAC11	cg08448040	0.0355217670276662	265	0.574234106537902	0.566303949394002	0.00126179593276779	0.735366129282027
SARC	HDAC11	cg10455785	-0.0741457938576539	265	-1.20116828012305	0.230774818361758	0.00549759874678171	0.421192197345032
SARC	HDAC11	cg11432034	-0.1096173863123	265	-1.78165960843906	0.0759674371863346	0.0120159713819401	0.195708540864116
SARC	HDAC11	cg13397067	-0.111273868252962	265	-1.80891813794287	0.0716143430839411	0.0123818737559775	0.187467736922812
SARC	HDAC11	cg13706066	-0.154212662532933	265	-2.52154534461103	0.0122800403816869	0.0237815452854962	0.0500688396987921
SARC	HDAC11	cg16254764	-0.191566034392785	265	-3.15324291974426	0.001803392711845	0.0366975455329777	0.010923704167661
SARC	HDAC11	cg18521047	-0.0944412880534384	265	-1.53259574158558	0.126586689438987	0.00891915688919253	0.280928992931379
SARC	HDAC11	cg19779799	-0.173330998611911	265	-2.84328500182912	0.00481832428103053	0.0300436350798023	0.024070222361692
SARC	HDAC11	cg20894727	-0.129738311088186	265	-2.11385227085747	0.0354766562933815	0.0168320293640149	0.111971397260927
SARC	HDAC11	cg20922324	-0.00677734181500186	265	-0.109493822568036	0.912894958925633	4.59323620773727e-05	0.953887918734911
SARC	HDAC11	cg21655280	-0.151255234209509	265	-2.47204460448907	0.01407252432384	0.0228781458757733	0.0555658287102229
SARC	HDAC11	cg25127083	-0.179867895782388	265	-2.95403277318833	0.00342269257953769	0.0323524599331841	0.0183125822924729
SARC	HDAC11	cg25150878	-0.135190993403413	265	-2.20431391716819	0.0283752244892428	0.0182766046974017	0.0947272723452636
SARC	HDAC11	cg27025856	-0.225913501838321	265	-3.74660389995564	0.000220648756167066	0.051036910312853	0.00188503726523839
SARC	HDAC2	cg00161229	0.0696402034703549	265	1.12781004537937	0.26043584174333	0.00484975793939242	0.455565081568156
SARC	HDAC2	cg01129566	0.166687467017811	265	2.73112751542743	0.00674211621468586	0.0277847116608137	0.0314454486595061
SARC	HDAC2	cg08198132	-0.239906353058625	265	-3.99239964768335	8.50746800739949e-05	0.0575550582378897	0.000837547413525229
SARC	HDAC2	cg10999867	0.24991851961674	265	4.16988060857558	4.15076866317688e-05	0.0624592664474228	0.000452121110869759
SARC	HDAC2	cg13393754	-0.16798223741758	265	-2.75295553649235	0.00632059928035964	0.0282180320878163	0.0298908632471914
SARC	HDAC2	cg15005908	-0.102069805906326	265	-1.65764566748243	0.0985904206085798	0.010418245277755	0.235736973491678
SARC	HDAC2	cg15242771	-0.124154318807642	265	-2.02141424585841	0.0442575052155641	0.0154142948785895	0.131985293289105
SARC	HDAC2	cg18387216	-0.18071744547005	265	-2.96845513188532	0.00327114665806809	0.0326587950972205	0.017652301825593
SARC	HDAC2	cg18674783	0.446010557464911	265	8.05061237560248	2.92930352747967e-14	0.198925417370161	2.0754302241963e-12
SARC	HDAC2	cg22867643	-0.240648926321498	265	-4.00551557099494	8.07482055695246e-05	0.0579119057396899	0.000800934069115848
SARC	HDAC2	cg24023618	0.314451571195896	265	5.35158783561055	1.90924929319231e-07	0.0988797906275679	3.88918930386495e-06
SARC	HDAC3	cg01947930	0.094440279083435	265	1.53257922064293	0.126590761873005	0.00891896631335708	0.28093001652114
SARC	HDAC3	cg01961137	-0.058546933331727	265	-0.947479907765488	0.344270691809263	0.00342774340254969	0.54352499642029
SARC	HDAC3	cg04284814	-0.0478061056841273	265	-0.773215341444234	0.440094651547481	0.00228542374068194	0.632712818511666
SARC	HDAC3	cg08520975	0.0536928768320503	265	0.868688057187127	0.385815858389721	0.00288292502250172	0.583878728314193
SARC	HDAC3	cg10414058	0.115690217963602	265	1.88166742144091	0.0609940062920078	0.0133842265324658	0.166599829310308
SARC	HDAC3	cg11064797	0.103198540556476	265	1.67617290725893	0.0949017241374229	0.0106499387729866	0.229385885584797
SARC	HDAC3	cg11153694	-0.0278878825458525	265	-0.450717834276215	0.652567125974498	0.000777733992891264	0.797047998997488
SARC	HDAC3	cg12082871	-0.0104425901359724	265	-0.168714405895512	0.86615196024426	0.000109047688747909	0.928848070733799
SARC	HDAC3	cg14098966	-0.162227960400713	265	-2.65605687933558	0.00839276104655352	0.0263179111357754	0.0372833744207164
SARC	HDAC3	cg17940889	0.0302248824841614	265	0.488521113995694	0.625590972544685	0.000913543521181367	0.778438940452361
SARC	HDAC3	cg18671773	-0.230689960888192	265	-3.83022176859014	0.000160407974780569	0.0532178580545953	0.00144146678873508
SARC	HDAC3	cg19549288	0.0937561732223687	265	1.52137871947306	0.129375388094873	0.0087902200173028	0.285173517169199
SARC	HDAC3	cg20642138	-0.132507523058622	265	-2.159769396972	0.0317013428774597	0.0175582436671313	0.102817237880809

SARC	HDAC3	cg23421926	-0.0931809373602567	265	-1.51196237215819	0.13175326835273	0.00868268708733609	0.288740497684706
SARC	HDAC3	cg24385322	-0.0121899717738445	265	-0.196949654440555	0.844020215557321	0.000148595411847127	0.916676560131042
SARC	HDAC6	cg07153944	-0.0723681841371488	265	-1.17221736606656	0.24217864995531	0.00523715407530828	0.434542990465527
SARC	HDAC6	cg07674520	-0.156805962309925	242	-2.44938485354056	0.0150320529950494	0.0245881098159415	0.0584731001898532
SARC	HDAC6	cg10783042	-0.0616267300618028	265	-0.997506287162344	0.319442714819024	0.0037978538581103	0.518771821318731
SARC	HDAC6	cg12510923	-0.0712759601805704	262	-1.14778066941934	0.252122282250614	0.00508026249966225	0.445966367107873
SARC	HDAC6	cg13178935	-0.0411887219878447	265	-0.665989337162805	0.506006105561933	0.00169651081899197	0.689065397729358
SARC	HDAC6	cg17152375	-0.0443022148281798	265	-0.716427591110651	0.474367910748694	0.00196268623868219	0.662305088906547
SARC	HDAC6	cg24616736	-0.0131829982850656	265	-0.212996364528829	0.831496068099502	0.000173791443784043	0.909691101041144
SARC	HDAC6	cg26680189	0.000367651142325626	265	0.0059395863802834	0.995265460861821	1.35167362453338e-07	0.997588630652915
SARC	HDAC9	cg00332048	-0.297363347969074	265	-5.03166222214792	9.06165871275261e-07	0.0884249607153766	1.56967864150496e-05
SARC	HDAC9	cg02301805	-0.151852383221486	264	-2.47727460476356	0.0138752009429026	0.023059146290045	0.0549988475569226
SARC	HDAC9	cg03260621	0.158263168580596	264	2.58448931977306	0.0102981458707433	0.0250472305291701	0.0436038730674689
SARC	HDAC9	cg07513622	-0.0850630618653738	265	-1.3792347619648	0.169003058186691	0.00723572449391241	0.342318429155505
SARC	HDAC9	cg08146609	-0.144847178453478	265	-2.36501918401737	0.018761051722073	0.0209807051059338	0.0693018640867497
SARC	HDAC9	cg08285151	-0.208812110065976	265	-3.44950452464692	0.000654704143408261	0.0436024973102054	0.00471200426795284
SARC	HDAC9	cg08725366	0.192797721389268	264	3.16821014871926	0.00171708354694323	0.0371709613728939	0.0105039551349298
SARC	HDAC9	cg10068437	-0.173164853047824	265	-2.84047529262833	0.00485966832292788	0.0299860663310746	0.0242201958814691
SARC	HDAC9	cg11321459	-0.126935230891528	265	-2.06742479785786	0.0396798608258469	0.0161125528414855	0.121783843969145
SARC	HDAC9	cg11765288	-0.155081440454123	265	-2.53609987148016	0.0117932067409076	0.0240502531733257	0.0485161673824518
SARC	HDAC9	cg12081743	-0.115013566492655	265	-1.87051390995545	0.062531606604487	0.0132281204773605	0.169675054209608
SARC	HDAC9	cg16475478	-0.0347743852242872	265	-0.562137373833917	0.574504868400955	0.00120925786772713	0.741694575531612
SARC	HDAC9	cg18856632	-0.133216526406371	265	-2.17153382270563	0.030791748202339	0.0177466429077795	0.100596894828354
SARC	HDAC9	cg19585556	-0.0251779694494177	245	-0.393417174736995	0.694354927828141	0.000633930145595809	0.824807562306649
SARC	HDAC9	cg20648975	-0.055323287185927	265	-0.895145978771039	0.371533832616951	0.00306066610505656	0.570148399704168
SARC	HDAC9	cg21433125	-0.146756365301592	265	-2.39687338223189	0.0172394573416861	0.0215374307565343	0.0649581683831796
SARC	HDAC9	cg23074799	-0.0490149668272664	265	-0.792813950497411	0.428606299610677	0.00240246697307803	0.622760969170299
SARC	HDAC9	cg23385718	-0.167990725226325	265	-2.75309867732537	0.00631791565629314	0.0282208837620666	0.0298854390469214
SARC	HDAC9	cg24350771	0.00262487890100125	265	0.042406362531928	0.966207179189278	6.88998924492152e-06	0.982244287999866
SARC	HDAC9	cg25620356	-0.16219491862882	265	-2.65550128958593	0.0084062271591471	0.0263071916290097	0.0373266810171597
SARC	HDGF	cg00692559	-0.132637026289204	265	-2.16191797939905	0.0315335108371249	0.0175925807428431	0.102459101450172
SARC	HDGF	cg00746981	0.00652707155221034	265	0.105450314305864	0.916099489762627	4.26026630476735e-05	0.955716236024627
SARC	HDGF	cg01910231	-0.0622579646927785	265	-1.0077631698296	0.314501530685227	0.00387605416788725	0.513545444736294
SARC	HDGF	cg02914429	0.118469893548046	265	1.92751394219637	0.0550007711681306	0.0140351156772853	0.15463426065246
SARC	HDGF	cg04402095	-0.0625177328582688	265	-1.01198447453692	0.312482704507573	0.00390846692173786	0.511537382990239
SARC	HDGF	cg05762852	0.159649558187129	265	2.61272905492914	0.00950312734303106	0.0254879814293454	0.0409282144081623
SARC	HDGF	cg05967123	0.0671246734226212	265	1.08688364909014	0.278090965394196	0.00450572178209355	0.474904696884491
SARC	HDGF	cg06106793	-0.0195992393231221	265	-0.316696233681825	0.751727262312774	0.000384130182045015	0.860960347511336
SARC	HDGF	cg06119628	-0.256522044901214	265	-4.28771433197869	2.54301600842343e-05	0.0658035595203004	0.00029555385956516
SARC	HDGF	cg07313589	0.0999105121386163	265	1.62222062093952	0.105963404303305	0.00998211043580059	0.248239036722099
SARC	HDGF	cg07892339	0.0518525139518493	265	0.838831434891063	0.40233150659034	0.00268868320312673	0.598874485270438
SARC	HDGF	cg08597205	-0.0241749986639698	264	-0.389924099019878	0.69691190201843	0.000584430560402939	0.826191873999401
SARC	HDGF	cg08708935	0.12980670154195	265	2.1149856625797	0.0353790175400591	0.016849779765201	0.111717620170131
SARC	HDGF	cg09063372	0.0662465291220655	265	1.07260163078068	0.284440624161653	0.00438860262072067	0.481750716625264
SARC	HDGF	cg09477492	0.00612021244010107	265	0.0988769097674184	0.921311899695551	3.74570003119679e-05	0.958765807302731
SARC	HDGF	cg11588596	0.0262459499759806	265	0.424162415705674	0.671796759824434	0.000688849890141674	0.809950063668045
SARC	HDGF	cg12220178	-0.135226952658171	265	-2.20491115931969	0.0283327654427458	0.0182863287252152	0.0946258169773308
SARC	HDGF	cg12421458	0.196925550232168	265	3.24497120981445	0.00132793748948583	0.0387796723342421	0.00849412671082558
SARC	HDGF	cg13170934	-0.0297252210517443	265	-0.480437944569081	0.631318453687937	0.000883588766575059	0.782486660336353
SARC	HDGF	cg13235992	0.0793276707765893	265	1.28562928169478	0.199711976730266	0.00629287935083894	0.382556720125931
SARC	HDGF	cg14155849	-0.046665599929797	265	-0.754728064649789	0.451092616532076	0.00217767821680787	0.641777936511774
SARC	HDGF	cg15503799	-0.0972755270342642	265	-1.57902276524722	0.115541990572315	0.00946252815979386	0.263768928923152
SARC	HDGF	cg17170583	-0.0626119687965231	265	-1.01351588565133	0.31175243897139	0.00392025863657678	0.510632050475635
SARC	HDGF	cg17218029	-0.197774236907937	265	-3.25952401330972	0.00126419833673516	0.0391146487845168	0.00815819538846746
SARC	HDGF	cg17971171	0.0915144830172846	265	1.48469186489717	0.138832184432097	0.00837490060192088	0.299456346336638
SARC	HDGF	cg18593717	-0.0803030953061797	265	-1.30153954114777	0.194221489077689	0.00644858711575337	0.37551882837816
SARC	HDGF	cg19599803	-0.0957645426877816	265	-1.55426692318335	0.121332472856409	0.00917084763619995	0.272750198740541

SARC	HDGF	cg20284773	0.0974745744798248	265	1.58228475987086	0.114795569243262	0.00950129267002291	0.262601280851882
SARC	HDGF	cg23747104	0.00597747665818029	265	0.0965708160693119	0.923141344333774	3.57302271990901e-05	0.959627247295677
SARC	HDGF	cg26431298	-0.0438091952539618	265	-0.708439370605813	0.479304683506003	0.00191924558879975	0.666673136933058
SARC	HDGFL1	cg02685945	-0.0531139498896751	265	-0.859295052251219	0.390966283069328	0.00282109167288292	0.588203586004009
SARC	HDGFL1	cg03930485	0.0179347244320452	265	0.289790950518223	0.772206255509308	0.000321654340453398	0.873687620947252
SARC	HDGFL1	cg05276066	0.0601780273640334	265	0.973970951667518	0.330972769350885	0.00362139497742635	0.530652284552734
SARC	HDGFL1	cg06566039	0.00998358885558962	265	0.161297852705909	0.871983598819564	9.96720464374533e-05	0.932108003827762
SARC	HDGFL1	cg08671671	-0.00195010493375907	265	-0.0315049692838227	0.974890907439617	3.80290925267148e-06	0.986832077714679
SARC	HDGFL1	cg09081892	-0.0052584212677529	265	-0.0849535699900276	0.932363430883188	2.7650994229156e-05	0.964101933222479
SARC	HDGFL1	cg11894257	0.00288115798051945	265	0.0465467248757064	0.962910088339194	8.30107130871094e-06	0.980530753079471
SARC	HDGFL1	cg15317945	0.0152773624222241	265	0.24684215127487	0.805224429933277	0.000233397802579986	0.894203378902108
SARC	HDGFL1	cg20209681	-0.056845437220305	265	-0.919853555580641	0.358498655943555	0.00323140373276764	0.557468706333912
SARC	HDGFL1	cg21898884	0.140216249391611	261	2.27026565094419	0.0240197988210386	0.0196605965934504	0.0836173190801396
SARC	HIST1H1	cg00667898	-0.065079643482508	265	-1.05362743051203	0.293027941025526	0.00423535999581035	0.490707472697014
SARC	HIST1H1	cg00700007	-0.0437819082463276	265	-0.707997264142596	0.479578729413319	0.00191685548968985	0.666891956424113
SARC	HIST1H1	cg03821311	-0.0799149215837035	265	-1.29520754760384	0.196393104826275	0.00638639469172948	0.378445052063491
SARC	HIST1H1	cg04676561	-0.0619716496307567	265	-1.00311070885067	0.316736525470696	0.00384048535795727	0.51601589696275
SARC	HIST1H1	cg07138603	-0.0383313601034945	265	-0.619717515027561	0.535984411113762	0.00146929316738377	0.712258032812997
SARC	HIST1H1	cg11206041	-0.0560365838719569	265	-0.906723438016578	0.365389406384398	0.00314009873203886	0.56431074026857
SARC	HIST1H1	cg14334286	-0.041443247126567	265	-0.670111867954696	0.5033789330528	0.0017175427323937	0.686765379089446
SARC	HIST1H1	cg18798248	-0.0418457432587394	265	-0.676631344490388	0.499239089159039	0.00175106622887633	0.683451337451841
SARC	HIST1H1	cg23460835	-0.0456548580335798	265	-0.738346698065607	0.460967178367901	0.00208436606206632	0.650621682505384
SARC	HIST1H1	cg00903962	-0.0620146967590692	265	-1.00381018490628	0.316399836578101	0.00384582261411931	0.51566021173521
SARC	HIST1H1	cg04290376	0.244295243082588	265	4.0700286443242	6.23430864181667e-05	0.0596801657927808	0.00064365203249036
SARC	HIST1H1	cg07750111	0.0698119121520444	265	1.13060443759239	0.259259479828644	0.00487370307832476	0.454079113262704
SARC	HIST1H1	cg08283682	0.0427010623842651	265	0.6904865723127	0.490501823275596	0.0018233807287449	0.676322205599108
SARC	HIST1H1	cg10717387	-0.0285302207279554	265	-0.461107524667621	0.645105477390578	0.000813973494785857	0.79194154186717
SARC	HIST1H1	cg12633985	-0.0692174215339608	265	-1.12093010834368	0.263347919197	0.00479105144381002	0.458771229532682
SARC	HIST1H1	cg15022984	0.0504055230632597	265	0.815362608133931	0.415608206671432	0.0025407167552808	0.611210723085889
SARC	HIST1H1	cg16481032	0.0638123837333636	265	1.03302600635525	0.30254797322009	0.00407202031773404	0.500913380907138
SARC	HIST1H1	cg16482183	-0.0686545750954143	265	-1.11177184060172	0.267259298879711	0.00471345068153188	0.462972519307211
SARC	HIST1H1	cg17691542	-0.0687255846393946	265	-1.11292720230258	0.266763655888957	0.00472320598402659	0.462484664071704
SARC	HIST1H1	cg20855557	-0.0447150366785169	265	-0.723116799668565	0.470255642678264	0.00199943450516111	0.658845720320441
SARC	HIST1H1	cg23407813	0.00878344873537192	265	0.141906431118185	0.887263389589937	7.71489716869066e-05	0.940108350079743
SARC	HIST1H3	cg00958605	-0.0429353738467266	265	-0.694282424048202	0.48812262520799	0.00184344632735818	0.67423670996858
SARC	HIST1H3	cg01043409	-0.0331039972406258	265	-0.535104726968021	0.593033046976963	0.00109587463330736	0.755219899910365
SARC	HIST1H3	cg08041469	-0.0116368037384289	265	-0.188011048087093	0.851014080091741	0.000135415201246713	0.920558273379825
SARC	HIST1H3	cg08401836	0.0598110949389453	265	0.968010826953337	0.333935101838403	0.00357736707779553	0.533521311145612
SARC	HIST1H3	cg10075390	-0.0566085868020043	265	-0.916008575427336	0.360507958028087	0.00320453209972005	0.559463705376868
SARC	HIST1H3	cg15479139	-0.00883615331780895	265	-0.142757998842671	0.886591454224435	7.80776054558261e-05	0.939819801465304
SARC	HIST1H3	cg15797414	-0.00634460288738088	265	-0.102502259636116	0.918436727602928	4.02539857985618e-05	0.956976694729708
SARC	HIST1H3	cg21209604	-0.0238273416039378	265	-0.385051804958928	0.700512629761054	0.000567742207910743	0.828468098666976
SARC	HIST1H3	cg23099349	-0.0328059196106353	265	-0.530281279952448	0.596367777143336	0.00107622836149947	0.757524571469674
SARC	HIST1H3	cg25701114	-0.0268303852234338	265	-0.433614239747855	0.664926767196167	0.000719869571237854	0.805475950405089
SARC	HLTF	cg00906762	-0.133554687120832	265	-2.17714608586145	0.0303658218712304	0.0178368544519432	0.0995886783494456
SARC	HLTF	cg02059813	0.0156384703229991	265	0.252678119653903	0.800715842713086	0.000244561754043325	0.891192782855972
SARC	HLTF	cg02398045	-0.236550856948121	265	-3.93322446648057	0.00010748309484569	0.0559563079228904	0.00102507538070683
SARC	HLTF	cg02611507	-0.305207094201717	265	-5.17782630141983	4.48834626565096e-07	0.0931513703510558	8.37128768616761e-06
SARC	HLTF	cg02710346	-0.141163653145563	265	-2.30363659620114	0.0220292292309686	0.0199271769694007	0.0783389037664095
SARC	HLTF	cg03678609	-0.262910864606363	265	-4.40232835950501	1.56297066782079e-05	0.0691221227280651	0.000193367907335322
SARC	HLTF	cg04120413	-0.313144954726964	265	-5.32692756739589	2.15825366331932e-07	0.0980597626709523	4.33735948034781e-06
SARC	HLTF	cg04731810	-0.297662951284309	265	-5.03722436227205	8.82505435440413e-07	0.0886032325672848	1.53210506236669e-05
SARC	HLTF	cg04836786	-0.0733829071252589	265	-1.18874218602154	0.235621581666407	0.00538505105815437	0.426888276451105
SARC	HLTF	cg05555455	-0.235075391007132	265	-3.9072515309422	0.000118995316082194	0.0552604394571558	0.00111895583455799
SARC	HLTF	cg07275648	-0.163652138160837	265	-2.68001284853279	0.00783026946508255	0.0267820223246137	0.0353436601547219
SARC	HLTF	cg09352720	-0.161658569384575	265	-2.64648398270599	0.00862751865305967	0.0261334930554673	0.0380718807701018
SARC	HLTF	cg09392355	-0.12026531180744	265	-1.95715099364604	0.0513955758678686	0.0144637452241409	0.147217034097904

SARC	HLTF	cg15438497	-0.277019744831816	265	-4.65767256262168	5.09895831681361e-06	0.0767399390266846	7.24243862147522e-05
SARC	HLTF	cg16724124	0.125626851505767	265	2.04577139036523	0.0417812373224642	0.0157821058192521	0.126393279524956
SARC	HLTF	cg20117402	-0.106397876609991	265	-1.72872316505326	0.0850412078740676	0.0113205081471149	0.212095591285195
SARC	HLTF	cg21089667	-0.0843205881216031	265	-1.36710950858591	0.172767259790239	0.00710996158117303	0.347517936861586
SARC	HLTF	cg21111416	-0.30631505762717	265	-5.19856525178815	4.05752868366439e-07	0.0938289145291365	7.64104058138435e-06
SARC	HLTF	cg21835021	-0.206959105364516	265	-3.41751730831753	0.000732916396858571	0.0428320712932808	0.00518002163870407
SARC	HLTF	cg21926402	-0.0554795853093852	265	-0.897682722387773	0.370182038311624	0.00307798438610135	0.568893176515962
SARC	HLTF	cg24041269	-0.220407220382404	265	-3.650562455695	0.000316055385069877	0.0485793427966974	0.00255313979769507
SARC	HLTF	cg24710191	0.101659582985413	256	1.62220007177243	0.106010902848756	0.0103346708127681	0.24829927669706
SARC	HLTF	cg25951608	-0.175260359863519	265	-2.87593108003529	0.0043608714160291	0.0307161937394903	0.0222531735610737
SARC	HLTF	cg26151310	0.00580900753930636	265	0.0938489723550556	0.925301132674215	3.37445685917181e-05	0.960643250937278
SARC	HLTF	cg27554556	-0.191210072767066	265	-3.1471611026868	0.00183990991214512	0.0365612919275865	0.0111042631268749
SARC	IDH1	cg00707300	0.0447506448459256	265	0.723693798236517	0.469901856253578	0.00200262021412617	0.658599135310168
SARC	IDH1	cg01046174	-0.0055738959941954	265	-0.0900504445084303	0.928316194322945	3.10683165541075e-05	0.962155000415135
SARC	IDH1	cg02241586	0.0257898989790092	265	0.416787198658398	0.677176639852953	0.000665118889347501	0.813494541534955
SARC	IDH1	cg03448938	0.0187162831830345	265	0.302423782605572	0.762569895009899	0.000350299256187541	0.86798202078257
SARC	IDH1	cg05268564	0.193496235395738	265	3.18624412285162	0.00161665719921807	0.037440793112323	0.0100004954004429
SARC	IDH1	cg07129696	0.0932579990518813	265	1.51322374790261	0.131432775085103	0.0086970543871607	0.288287176952392
SARC	IDH1	cg07915542	-0.010712568957784	265	-0.173076779391947	0.862725223124119	0.000114759133675276	0.92698783176638
SARC	IDH1	cg09406631	0.113567500964802	265	1.84668666890225	0.0659245439768486	0.0128975772753904	0.176359490169703
SARC	IDH1	cg09615745	-0.128402746730462	265	-2.09172493674638	0.0374297056068859	0.0164872653679272	0.116626207312936
SARC	IDH1	cg10356455	-0.0107230249554812	265	-0.173245730314967	0.862592560388826	0.000114983264195872	0.926922102947556
SARC	IDH1	cg14772913	-0.0601575297211721	265	-0.973637995718434	0.331137804641351	0.0036189283821537	0.530814046311145
SARC	IDH1	cg15399923	-0.0225542174514626	265	-0.364467246926774	0.715804240164834	0.00050869272484786	0.838437823772456
SARC	IDH1	cg16085695	-0.0464182020304727	265	-0.75071820737484	0.45349853781505	0.00215464947974178	0.643832857339659
SARC	IDH1	cg16863783	0.0431276307024615	265	0.697397075765398	0.486175081350192	0.0018599925300079	0.672681267737783
SARC	IDH1	cg24324379	0.0780650714576419	265	1.26504039351384	0.206985139941842	0.00609415538168673	0.391821704289799
SARC	IDH1	cg24830471	0.0705439362142781	265	1.14251855509567	0.254285525660248	0.00497644693660413	0.448416370468397
SARC	IDH1	cg24987806	0.0035620129866706	265	0.0575464460091086	0.954153940501928	1.268793651721e-05	0.975672160486888
SARC	IDH1	cg25795625	0.0741315156991636	265	1.20093569442577	0.23086487840744	0.00549548161985534	0.421277499315734
SARC	IDH1	cg26105702	0.0317322118137552	265	0.512907867971742	0.608449600506892	0.00100693326659303	0.766234858538807
SARC	ING2	cg02075087	-0.0485408586410698	265	-0.785127080567766	0.433091152998965	0.00235621495761232	0.626767615224658
SARC	ING2	cg02552216	-0.058184116850526	265	-0.941588348984227	0.347274117009496	0.00338539145367566	0.546591726189388
SARC	ING2	cg10348863	-0.109991680245821	265	-1.78781754543063	0.0749655102317547	0.012098169723299	0.193805330530609
SARC	ING2	cg17985608	0.0506792009873376	265	0.819801006520929	0.413077566098181	0.00256838141271497	0.608639648794308
SARC	ING3	cg01382559	-0.15473055040021	265	-2.53022073103967	0.0119877463557172	0.0239415432271518	0.0490906322049096
SARC	ING3	cg01416111	-0.0930652122470214	265	-1.51006818997057	0.132235690337918	0.00866113373058314	0.289517710631205
SARC	ING3	cg10268125	0.00835454019575787	265	0.134976438173947	0.892734536361808	6.9798341882534e-05	0.943182954948603
SARC	ING3	cg14303833	-0.0653764108506411	265	-1.05845261588986	0.290827746374042	0.00427407509571182	0.488400261234398
SARC	ING3	cg16130600	-0.00227938311296767	265	-0.0368246568287759	0.970652963081292	5.1955873756822e-06	0.984472068654612
SARC	ING3	cg18485114	-0.0557434582108284	265	-0.901965572221488	0.367906752926315	0.00310733313330237	0.566829816749842
SARC	ING3	cg19478983	-0.0647617500727948	265	-1.04845906505032	0.295397053185064	0.00419408427249114	0.49335827450933
SARC	ING3	cg19960827	-0.0463686176021891	265	-0.749914553200945	0.453981606237979	0.00215004869833804	0.644283513493821
SARC	ING3	cg20553930	-0.141070748986618	265	-2.30208970711737	0.0221176568619406	0.0199009562196455	0.0785492352393429
SARC	ING3	cg24859794	-0.0733707247191246	265	-1.18854377295539	0.235699555369636	0.00538326324580956	0.426974925727121
SARC	ING4	cg00369908	0.131409099335082	265	2.14155001224242	0.0331557340394793	0.0172683513880573	0.106379023097494
SARC	ING4	cg00443163	-0.190829574506746	265	-3.14066148765532	0.00187969018596977	0.0364159265064258	0.0113013848309245
SARC	ING4	cg00591160	-0.219872609878878	265	-3.64125741514149	0.000327124380835212	0.0483439645749491	0.00262651605766276
SARC	ING4	cg03930474	-0.118148437992324	265	-1.92220969347766	0.0556678771229489	0.0139590534000261	0.15586305944685
SARC	ING4	cg04375284	-0.30568152645281	265	-5.18670391716799	4.29875408578619e-07	0.0934411956145202	8.0563063201554e-06
SARC	ING4	cg08733494	-0.277801854065687	265	-4.671920586787	4.78314484554725e-06	0.0771738701223335	6.84384716046538e-05
SARC	ING4	cg12392916	-0.246491662863368	265	-4.10897754884241	5.32450583453858e-05	0.0607581398611484	0.000560127933593095
SARC	ING4	cg18123790	0.241351557991378	265	4.01793288765683	7.68455768981933e-05	0.0582505745448655	0.000767508641573765
SARC	ING4	cg23354319	-0.283025520947318	265	-4.7673425216108	3.10503734788619e-06	0.0801034455075006	4.65869383686516e-05
SARC	ING4	cg27116036	-0.210762974759223	265	-3.48322302091529	0.000580754775515951	0.044421031529357	0.0042553675243937
SARC	INO80	cg00734724	-0.064983312303624	265	-1.05206122777315	0.293744509736093	0.0042283087795033	0.491486259325558
SARC	INO80	cg06380007	-0.103499265198319	265	-1.6811101530431	0.0939377360899571	0.0107120978965919	0.227720926159425

SARC	INO80	cg12580230	-0.101506643263632	265	-1.64840424544667	0.100472922725845	0.0103035986266503	0.239014408452712
SARC	INO80	cg18952654	0.121339232274422	265	1.97488754176963	0.0493347237657386	0.0147232092889461	0.142924148525367
SARC	INO80	cg21007089	-0.0906923626438624	265	-1.4712430156974	0.142430037389627	0.00822510464192585	0.304886971787151
SARC	INO80	cg21598047	0.123385946719544	265	2.00871000958221	0.0455977881323707	0.0152240918478781	0.134895567201499
SARC	INO80	cg22835709	-0.421610437764702	265	-7.51157629207652	9.30247519753541e-13	0.177755361232144	5.26693417406892e-11
SARC	INO80	cg26409855	0.068495710790174	265	1.10918709832719	0.26837044225228	0.00469166239665116	0.464153183294217
SARC	INO80	cg27441689	-0.415696086000337	265	-7.38400149018789	2.06444583145974e-12	0.172803235915999	1.11893722568058e-10
SARC	INTS12	cg00093890	-0.104735665091795	265	-1.70141406756426	0.0900561542757995	0.0109695595422206	0.220885596548588
SARC	INTS12	cg01852585	0.00364780613316351	265	0.0589325037283625	0.953050964641479	1.33064895851453e-05	0.975214357500318
SARC	INTS12	cg03607115	0.0215094249010387	265	0.347575807203336	0.728438906397119	0.000462655359573425	0.846475910200124
SARC	INTS12	cg19703969	-0.0142832650488987	265	-0.230776750591712	0.817669038168598	0.00020401166045709	0.90194319062364
SARC	INTS12	cg26533745	0.070402275750899	265	1.14021280448631	0.255242891256685	0.00495648043090563	0.449523804274711
SARC	IWS1	cg02372421	-0.322194235873312	265	-5.49841811267188	9.12232221212716e-08	0.103809125629987	1.99511367492331e-06
SARC	IWS1	cg02592214	-0.15983481659253	265	-2.61584032101694	0.0094192087676543	0.0255471685951678	0.0406590792848129
SARC	IWS1	cg10180764	-0.12238710845311	265	-1.99220073443575	0.0473907560543221	0.0149786043155132	0.138754854214901
SARC	IWS1	cg10488833	-0.0861321267249681	265	-1.39669760798355	0.163691030959258	0.00741874325416597	0.334863260293586
SARC	IWS1	cg15239145	0.00765867723220617	265	0.123733346164006	0.901621641494581	5.86553369471132e-05	0.948060627034455
SARC	IWS1	cg17144508	-0.0863223022095241	265	-1.39980457354002	0.162759330235313	0.00745153985875241	0.333448312870692
SARC	IWS1	cg18451256	0.119022469790995	265	1.93663328652745	0.053869519474639	0.0141663483151483	0.152367851876457
SARC	IWS1	cg18530950	-0.0370625183675856	265	-0.59917497258677	0.549575935316035	0.00137363026774762	0.722459534150792
SARC	IWS1	cg19311602	-0.041884486545931	265	-0.67725891061874	0.498841548871263	0.00175431021321628	0.683075396974073
SARC	IWS1	cg19409088	-0.24252393637678	265	-4.03866679302968	7.0725975726323e-05	0.0588178597156884	0.000715761227481927
SARC	IWS1	cg21581038	0.275344580194942	265	4.62718904675205	5.84347154181487e-06	0.0758146378427286	8.17014782753318e-05
SARC	IWS1	cg21679674	-0.183997422631366	265	-3.0242023709224	0.00274140512352694	0.0338550515349854	0.0153284604456016
SARC	IWS1	cg22409775	-0.163794769785668	265	-2.68241298827614	0.00777582892348312	0.0268287266091401	0.0351632177686128
SARC	IWS1	cg23570261	0.00519999700129434	265	0.0840096583626749	0.933113151862473	2.70399688134701e-05	0.964454129832716
SARC	IWS1	cg23623107	0.0232006589825124	265	0.374919034289426	0.708025149248359	0.000538270577222834	0.833574594195058
SARC	JADE1	cg09863040	-0.0676260651268817	265	-1.0950393506438	0.27450886985471	0.00457328468454525	0.470996311849236
SARC	JADE1	cg12832492	0.0750784281340786	265	1.21636214857303	0.2249458699769	0.00563677037108401	0.414207512994294
SARC	JADE1	cg14617908	0.231006355257593	265	3.83577088915064	0.000157018559005669	0.0533639361693975	0.00141542314939594
SARC	JADE1	cg15389440	0.169150897538422	265	2.77267009947268	0.00596055383715587	0.0286120261380537	0.0285228090187405
SARC	JADE1	cg15836763	0.0925592400749231	265	1.50178718968857	0.134360922954092	0.00856721292324724	0.29267979840088
SARC	JADE1	cg20039387	0.177615494089594	265	2.91582789672171	0.00385572392681956	0.0315472637406905	0.0201662086300256
SARC	JADE1	cg22922695	0.0413074290900285	265	0.667912013879616	0.504779935753554	0.00170630369802773	0.687973691235164
SARC	JADE1	cg26766900	-0.202071370102376	265	-3.3332676110194	0.000982470187109095	0.0408328386150515	0.0066196332700472
SARC	JADE2	cg04590931	-0.0776156378094746	265	-1.25771307585353	0.209619663200301	0.00602418723257155	0.395104134948416
SARC	JADE2	cg04842522	-0.0514872809669745	265	-0.832907206619161	0.405658576804795	0.00265094010137217	0.602006892732916
SARC	JADE2	cg17378563	-0.148284265938266	265	-2.42238563904394	0.0161004022818808	0.0219882235248504	0.0616000932039853
SARC	JADE2	cg18145011	-0.0954608877071455	265	-1.54929317950142	0.122522936360638	0.00911278108183624	0.274605281222688
SARC	JADE2	cg21194015	-0.0691362263527617	265	-1.11960888748007	0.263909730368786	0.0047798177943003	0.459400169261789
SARC	JADE2	cg25669900	-0.0697670036519735	265	-1.1298735855796	0.25956679027013	0.00486743479857449	0.454463874736103
SARC	JADE2	cg26133206	-0.0760810454463079	265	-1.23269971652113	0.218797009449441	0.00578832547620317	0.406638983064404
SARC	JADE3	cg10860619	0.158785659771022	265	2.59822430943822	0.0099032730229913	0.0252128857489188	0.0423002921841863
SARC	JADE3	cg17843048	0.140310075784914	265	2.28942654308914	0.022853293982117	0.0196869173667683	0.0805360586298464
SARC	JADE3	cg19194595	0.107127671486662	265	1.74071785589665	0.0829115204268984	0.0114763379981541	0.208206116706063
SARC	JARID2	cg01769037	-0.109737358951964	265	-1.78363333168753	0.0756451129177261	0.0120422879497522	0.195065497027366
SARC	JARID2	cg03223185	-0.00314961513463205	265	-0.0508838421235198	0.95945700076836	9.92007549630328e-06	0.978795361970361
SARC	JARID2	cg05197191	-0.193679857232073	265	-3.1893855533512	0.00159984793501412	0.0375118870974362	0.0099178078138886
SARC	JARID2	cg06047828	-0.116309426826482	265	-1.89187641014898	0.0596143531265574	0.0135278827687047	0.163897334857485
SARC	JARID2	cg14862454	0.0108318059064946	265	0.175003446601122	0.861212607739594	0.000117328019195971	0.926245759579237
SARC	JARID2	cg15109221	-0.0943740184466464	265	-1.53149427495252	0.126858427056408	0.00890645535776795	0.281411630626086
SARC	JARID2	cg21397480	-0.158372962292665	265	-2.59129733401502	0.0100996431659719	0.025081995185354	0.0429597922496375
SARC	JARID2	cg21901688	-0.158192750622514	265	-2.58827298459941	0.0101864675803547	0.0250249463495169	0.0432439868456267
SARC	JARID2	cg25338254	-0.117207186494925	265	-1.90668188231712	0.0576598663745027	0.0137375245660561	0.159914140632373
SARC	JMJD6	cg02318866	-0.0354007726405611	265	-0.572275689480922	0.567627808225934	0.0012532147035487	0.736300470081365
SARC	JMJD6	cg04510639	-0.0592600100651969	265	-0.959060232365797	0.338415977313299	0.00351174879292724	0.53780708733271
SARC	JMJD6	cg07312083	-0.040016597482988	265	-0.647006159515677	0.518196564705728	0.00160132807411548	0.69902173668662

SARC	JMJD6	cg08857478	0.156058073880756	265	2.55246848816178	0.011266324499681	0.0243541224233714	0.0467865503725075
SARC	JMJD6	cg10712116	0.167868507939014	265	2.75103763081989	0.00635665610865715	0.0281798359576707	0.0300139418133573
SARC	JMJD6	cg12504415	-0.0629675772440461	265	-1.01929505939674	0.309006794184776	0.00396491578398491	0.507631180378218
SARC	JMJD6	cg15457598	-0.0619355262313404	265	-1.00252374132808	0.317019241365886	0.00383600940955305	0.516269517747912
SARC	JMJD6	cg21102709	-0.00775621933763349	265	-0.125309327535069	0.900375132787263	6.01589384134797e-05	0.947433830380797
SARC	JMJD6	cg21807925	-0.164078180027406	265	-2.68718259934705	0.00766865476057697	0.0269216491611059	0.0348003311301813
SARC	JMJD6	cg23630158	-0.226621254230423	265	-3.75897583159278	0.000210554827141064	0.0513571928689698	0.00181277642101084
SARC	JMJD6	cg25004679	-0.0424577915635141	265	-0.686545699506326	0.492978538349659	0.00180266406445081	0.678388990995666
SARC	JMJD6	cg25908504	-0.0336923355613606	265	-0.544625549221085	0.586476097797042	0.00113517347557932	0.750585202797122
SARC	JMJD6	cg26612088	0.0832191928618186	265	1.34912696738029	0.178465420414082	0.00692543406057256	0.355068640589577
SARC	JMJD8	cg00873473	-0.234360940509175	265	-3.8946851977266	0.000124976108608401	0.054925050436345	0.00116671149856195
SARC	JMJD8	cg02851105	-0.219646663711516	265	-3.63732579791511	0.000331910111691072	0.0482446568795997	0.0026583220084798
SARC	JMJD8	cg03899598	-0.239848551128575	265	-3.99137901604311	8.54204321592074e-05	0.0575273274784766	0.00083988840993344
SARC	JMJD8	cg05787952	-0.129159888120642	265	-2.10426765847257	0.036311630506015	0.0166822766993367	0.113991646163792
SARC	JMJD8	cg06191810	-0.232434362047255	265	-3.86083218417473	0.000142538049093641	0.0540257326603143	0.00130392815042224
SARC	JMJD8	cg06646636	-0.0666749130764525	265	-1.07956849375726	0.281330993956549	0.0044455440337525	0.478530610808714
SARC	JMJD8	cg08398290	-0.205963665088452	265	-3.40034956172667	0.000778411357820263	0.0424210313366681	0.00544076668196492
SARC	JMJD8	cg26750188	-0.00728842253400977	265	-0.117751197167301	0.906355365059262	5.31211030342614e-05	0.9504227057223
SARC	JMJD8	cg27579097	0.0611158310875372	265	0.989205609611422	0.323478712133069	0.00373514480952038	0.522877840804876
SARC	KAT2B	cg00770008	-0.137166885908282	265	-2.23714445665525	0.0261214406853878	0.0188147545897755	0.0890526033866101
SARC	KAT2B	cg04371528	-0.239317161086268	265	-3.98199815947702	8.86614728117384e-05	0.0572727035903907	0.000867413892279724
SARC	KAT2B	cg05072819	-0.174556413342965	265	-2.86401589784039	0.00452303409078412	0.03046994143916	0.0228769936622853
SARC	KAT2B	cg12062464	-0.176164533410106	265	-2.89124203632083	0.00416027824435422	0.0310339428316002	0.0214206556185911
SARC	KAT2B	cg14937543	-0.17420115228332	265	-2.85800437769995	0.0046069177005538	0.0303460414568363	0.0232173644500134
SARC	KAT2B	cg18053505	-0.229021541131119	265	-3.80098116035111	0.000179442106648316	0.0524508663021053	0.00158432859432517
SARC	KAT5	cg00582417	-0.284304118820466	265	-4.79076875635313	2.78968002521718e-06	0.0808288319782816	4.24365208998329e-05
SARC	KAT5	cg02561205	-0.249045315032871	265	-4.15434602500863	4.42418445987446e-05	0.0620235689398219	0.000477326553868033
SARC	KAT5	cg05785768	-0.281856574901671	265	-4.74594948967597	3.42286304678256e-06	0.0794431288153015	5.08455619364908e-05
SARC	KAT5	cg07564927	-0.272874626882689	265	-4.58232558913432	7.13239657488407e-06	0.0744605619963666	9.69691819550038e-05
SARC	KAT5	cg14726348	-0.287714713904542	265	-4.85339357199208	2.09101750581753e-06	0.0827797565971727	3.28424421254935e-05
SARC	KAT5	cg18896539	0.153884473311142	265	2.5160487931303	0.0124685023497187	0.0236804311262475	0.0506487740480403
SARC	KAT5	cg20108992	-0.043037374919336	265	-0.695934879875556	0.487088843277585	0.00185221563994749	0.673406601633844
SARC	KAT5	cg20423942	-0.0426521760927535	265	-0.689694627541889	0.490998994961138	0.00181920812544725	0.676697386247037
SARC	KAT5	cg22048492	0.0189401568982538	265	0.306042497276731	0.759816261768326	0.000358729543330473	0.866360037345994
SARC	KAT6A	cg10163397	-0.161671349701657	265	-2.64669882219946	0.00862218600632749	0.0261376253143555	0.0380613027393883
SARC	KAT6A	cg12468056	-0.0103301273323863	265	-0.166897219657221	0.867580149469596	0.000106711530703314	0.929649175590052
SARC	KAT6A	cg15251374	-0.236437944179276	265	-3.91614465175801	0.000115137311843719	0.0559029014477225	0.00108714553192988
SARC	KAT6A	cg20966972	0.0803691354071895	265	1.30261686417493	0.193853782394024	0.00645919792609917	0.375010223990667
SARC	KAT6B	cg04396765	-0.153916042746086	265	-2.51657748461156	0.012450263621916	0.023690148214615	0.0505974535905658
SARC	KAT6B	cg06972998	-0.0882764008408675	265	-1.41795809635366	0.157419075115312	0.0077927229454175	0.326080387257005
SARC	KAT6B	cg09631472	-0.135025186060691	265	-2.20156016131128	0.0285717079721472	0.0182318008707242	0.0951868206922709
SARC	KAT6B	cg10359932	-0.138576988710251	265	-2.26059070695663	0.0246086729867586	0.0192035818000011	0.0851831941947095
SARC	KAT6B	cg10739686	-0.129793158474668	265	-2.11476121945638	0.0353983343984224	0.0168462639868304	0.1117559362928
SARC	KAT6B	cg11128436	-0.101881929711145	265	-1.65456246622122	0.0992153028815364	0.0103799276016667	0.236911976192217
SARC	KAT6B	cg11348552	-0.104399089852285	265	-1.69588610954766	0.0910998674934517	0.0108991699619855	0.222771018152367
SARC	KAT6B	cg15874302	-0.194175003968418	265	-3.19785833631986	0.00155531488377168	0.0377039321661351	0.00968418169266323
SARC	KAT6B	cg15912797	-0.110537582467806	265	-1.79680018746395	0.0735234766534646	0.012218557173827	0.191102082952877
SARC	KAT6B	cg17147776	-0.110244759317612	265	-1.79198167440274	0.0742941565792969	0.0121539069569983	0.192520735589257
SARC	KAT6B	cg18462764	-0.117115728567358	265	-1.9051733807467	0.0578565222594033	0.013716093877863	0.160276700115662
SARC	KAT6B	cg18491775	0.0619821684722216	265	1.00328162978514	0.31665423181625	0.00384178920851887	0.515955917181496
SARC	KAT6B	cg24671245	-0.0495553972937149	265	-0.801576780565253	0.423526973560661	0.00245573740093793	0.618599702999851
SARC	KAT6B	cg26605858	-0.0410721798257811	265	-0.664101753058186	0.507211426984116	0.0016869239556413	0.689999273076852
SARC	KDM1A	cg00062312	0.119111962845277	265	1.93811039084022	0.0536881362171242	0.0141876596928546	0.151981910006003
SARC	KDM1A	cg00541565	0.0779675924454515	265	1.26345108386148	0.207554510615706	0.00607894547174002	0.392532485871492
SARC	KDM1A	cg04886391	-0.0410796960455765	265	-0.664223489271141	0.50713364629747	0.00168754142719695	0.689972802603497
SARC	KDM1A	cg06958034	0.237309393716155	265	3.94658835120259	0.000101979596884702	0.056315748345929	0.00098015823573616
SARC	KDM1A	cg07118078	-0.130054885594604	265	-2.11909891787175	0.0350266061452199	0.0169142732670255	0.110906418595028

SARC	KDM1A	cg07785945	-0.0514661103023994	265	-0.832563820085979	0.405851929588285	0.00264876050965874	0.6022134166932
SARC	KDM1A	cg10499166	0.0157375229296005	265	0.254278954432824	0.799480274293984	0.0002476696279597	0.890500777158719
SARC	KDM1A	cg12578844	-0.0467093831377721	265	-0.755437723044178	0.45066757823085	0.00218176647311119	0.641452605036788
SARC	KDM1A	cg22683154	-0.203317815386348	265	-3.35477163404297	0.00091230650901773	0.0413381340534771	0.00621634164513666
SARC	KDM1A	cg26662347	0.119629393552252	265	1.94665164933222	0.0526493281440354	0.0143111918016795	0.149793432821457
SARC	KDM1B	cg11007366	-0.0661676155601052	265	-1.07131831453575	0.285015968728542	0.00437815334890988	0.482179285648665
SARC	KDM1B	cg15124342	-0.214751169544066	265	-3.55229054027799	0.000453026209821588	0.0461180648205444	0.00345110859448302
SARC	KDM1B	cg20677365	-0.159831676647914	244	-2.50834830375173	0.0127905265407985	0.0255461648600834	0.0517099297626703
SARC	KDM1B	cg22406543	0.124557381613268	265	2.02807994695744	0.0435677576834328	0.0155145413143532	0.130403221931629
SARC	KDM1B	cg23073439	-0.242515506025413	265	-4.03851763247208	7.07682964819968e-05	0.0588137706627621	0.000716003232737737
SARC	KDM1B	cg23860886	-0.0475469269100036	265	-0.769013863055711	0.442580411510485	0.00226071025858523	0.634925415992894
SARC	KDM1B	cg24342628	0.0227691139424827	265	0.367941682115058	0.713214934353766	0.000518432549725762	0.836871557028178
SARC	KDM2A	cg05038268	-0.261900007247185	265	-4.38415290133547	1.68952346586451e-05	0.0685916137960754	0.000206821067668708
SARC	KDM2A	cg05295919	-0.0952091627407449	265	-1.54517035905241	0.123516673121404	0.00906478466979365	0.276267389344945
SARC	KDM2A	cg06320126	-0.127943013227298	265	-2.084110857802	0.0381227079339156	0.0163694146336806	0.1181767585554
SARC	KDM2A	cg07283932	-0.257151293322631	265	-4.29897587100094	2.4253302227478e-05	0.0661267876575019	0.000283382606410998
SARC	KDM2A	cg08836144	-0.088065509175815	255	-1.39507058347681	0.164237645006737	0.00775553390639555	0.335707805135556
SARC	KDM2A	cg09993857	-0.162462628380121	265	-2.6600303124448	0.00829767322465291	0.0263941056201774	0.036949581616408
SARC	KDM2A	cg11637544	0.200332314900941	265	3.30343481005606	0.00108868187103119	0.0401330363935697	0.00720484198000851
SARC	KDM2A	cg16004548	-0.0927893802602249	265	-1.50555363620651	0.133391033287705	0.00860986908907662	0.29131753863125
SARC	KDM2A	cg18132081	0.0248327301175407	265	0.401308788402679	0.688521160681139	0.000616664485090612	0.821033246228131
SARC	KDM2A	cg21293464	-0.265532727098752	265	-4.44954286309083	1.27527898805806e-05	0.0705076291605001	0.00016189466970788
SARC	KDM2A	cg21711868	-0.234424763580359	265	-3.89580749752819	0.000124430587300048	0.0549549697797072	0.00116219871634289
SARC	KDM2A	cg25597833	-0.15390240080787	265	-2.51634902290141	0.0124581421456929	0.0236859489744263	0.0506199054675669
SARC	KDM2B	cg03486832	0.115907322832653	265	1.88524660795592	0.060507313358364	0.0134345074862329	0.165638184791349
SARC	KDM2B	cg05067991	-0.141824842628168	265	-2.31464744533142	0.0214086854128376	0.0201142859865045	0.0767108149496053
SARC	KDM2B	cg07020001	0.200821741801133	265	3.31184407675138	0.00105777000921514	0.0403293719800411	0.00703437853452578
SARC	KDM2B	cg07529210	0.168911469808991	265	2.76863012639738	0.00603278458106004	0.0285310846330336	0.0287922971594469
SARC	KDM2B	cg07793808	0.216294082160242	265	3.57906042791132	0.000411021332601366	0.0467831299775417	0.0031781128663543
SARC	KDM2B	cg09151742	0.2537159711111781	265	4.23756533408889	3.13670339335917e-05	0.0643717939971941	0.000354366401078976
SARC	KDM2B	cg12251659	-0.119205966967469	265	-1.93966200301179	0.0534981562418498	0.0142100625606492	0.151593048979328
SARC	KDM2B	cg12888660	-0.0361350260007378	265	-0.584160716587102	0.559616732730018	0.001305740104074	0.730349835035069
SARC	KDM2B	cg15234492	0.197650663622523	265	3.25740457430331	0.00127330100033768	0.0390657848304239	0.00820468632653602
SARC	KDM2B	cg15316703	-0.108372721840642	265	-1.7611877131844	0.0793775695828005	0.0117446468391491	0.201879777956205
SARC	KDM2B	cg16837338	0.323036151930032	239	5.2325870893799	3.70079309203995e-07	0.104352355453763	7.02193897078429e-06
SARC	KDM2B	cg17452615	0.162769309621738	265	2.6651608494978	0.00817485060184161	0.0264938481547372	0.0365344015464851
SARC	KDM2B	cg20055546	-0.173783519589737	265	-2.85093891275181	0.00470731778840454	0.0302007116809964	0.0236350251730439
SARC	KDM2B	cg21249371	0.164456020969598	265	2.69354248184076	0.00752781876492605	0.0270457828331527	0.0342808132645705
SARC	KDM2B	cg21781916	-0.137478479445016	265	-2.24232422790072	0.0257804528075279	0.0189003323105137	0.0881605585172457
SARC	KDM2B	cg26218726	-0.19402412172948	265	-3.1952762219234	0.00156876337226149	0.037645359812896	0.00975854612039904
SARC	KDM2B	cg26509318	0.154246487801358	265	2.52211190272852	0.0122607596588895	0.0237919789990546	0.0500059524433078
SARC	KDM3A	cg01744130	-0.159266025681516	265	-2.60628883445042	0.00967897007068317	0.0253656669363854	0.0415452327123553
SARC	KDM3A	cg02152982	-0.0987960808455145	252	-1.56349130566191	0.119212198823683	0.00976066559043345	0.269522328323682
SARC	KDM3A	cg02972551	-0.128935689009008	265	-2.1005532114542	0.0366397184536585	0.0166244119002277	0.114745041106249
SARC	KDM3A	cg03037033	-0.186367598799048	265	-3.06455138135699	0.0024084784506039	0.0347328818821229	0.0138123975367696
SARC	KDM3A	cg04793821	-0.221039571770547	265	-3.66157316760576	0.000303412969028828	0.0488584922885069	0.00246797454126188
SARC	KDM3A	cg07052513	-0.0976789276546748	265	-1.58563390435341	0.114033181124753	0.00954117290776719	0.261404098455716
SARC	KDM3A	cg07211384	-0.19899774806081	264	-3.27422698539121	0.0012032673562931	0.0396001037332737	0.00783571220558678
SARC	KDM3A	cg12888358	-0.14097156729208	265	-2.30043836319666	0.0222123981564117	0.0198729827847853	0.07877099513666
SARC	KDM3A	cg18611949	-0.160779581593478	265	-2.63171130967969	0.00900138765325121	0.025850073857374	0.0393511633097513
SARC	KDM3A	cg19139691	-0.273349632690798	265	-4.59094580369385	6.86520126250683e-06	0.0747200216921942	9.39109314252605e-05
SARC	KDM3A	cg20191795	-0.188541047505386	265	-3.10160007658231	0.00213598017086813	0.0355477265944284	0.0125219624274691
SARC	KDM3A	cg20918903	-0.188571029756317	265	-3.10211148420262	0.00213242602769672	0.0355590332633578	0.0125067815439263
SARC	KDM3A	cg22404242	-0.0820513832716028	265	-1.33006551208345	0.184657782525194	0.00673242949678345	0.363144434343621
SARC	KDM3A	cg24749656	-0.200942417970865	265	-3.3139179151954	0.00105027328852303	0.0403778553399778	0.00699376377952786
SARC	KDM3B	cg00435490	-0.134075806364381	265	-2.18579632550699	0.0297193086642688	0.0179763218522589	0.0979861792001748
SARC	KDM3B	cg03315484	-0.174949657746767	265	-2.87067149530328	0.00443178817997122	0.030607382745711	0.0225236939267108

SARC	KDM3B	cg05191700	-0.249754330667302	265	-4.16695880877883	4.20093072364033e-05	0.0623772256870721	0.000456370904503387
SARC	KDM3B	cg05708550	-0.0200151699286641	265	-0.32341975472857	0.74663635346044	0.000400607027273299	0.857729088954013
SARC	KDM3B	cg05722427	0.015896277567701	265	0.256844676867752	0.797501032795453	0.000252691640509395	0.889267537132792
SARC	KDM3B	cg15001364	-0.212196020398144	265	-3.5080193180235	0.000531445502871896	0.0450271510728095	0.00394760540918708
SARC	KDM3B	cg18682923	0.00496306846087455	265	0.080181812359931	0.936154101075217	2.46320485473276e-05	0.965919364994858
SARC	KDM3B	cg19076659	-0.197073236317605	265	-3.24750310153646	0.00131663811297442	0.0388378604726946	0.00843363897577046
SARC	KDM3B	cg24137987	-0.0633049127968691	265	-1.02477763124966	0.306416966653586	0.0040075119842192	0.504855941291004
SARC	KDM4A	cg00154982	-0.213178083834505	265	-3.52502584615681	0.000499925504923984	0.0454448954273511	0.00374927260484493
SARC	KDM4A	cg00979347	-0.0378160563375098	265	-0.61137439283246	0.54148387245725	0.00143005411692171	0.716434450294051
SARC	KDM4A	cg03587511	0.00538571894921808	265	0.0870102143562635	0.930730109217542	2.90059685999667e-05	0.963372900695398
SARC	KDM4A	cg08552254	-0.141492502644047	265	-2.30911256290542	0.0217186774095932	0.0200201283044757	0.077557162745095
SARC	KDM4A	cg10958452	0.0493071360668447	265	0.797551252418765	0.425855936295303	0.00243119366711434	0.620556638597325
SARC	KDM4A	cg10968649	0.0114440643841051	265	0.184896626354185	0.853453709009892	0.00013096609627542	0.921901889181553
SARC	KDM4A	cg12293275	-0.045474976308535	265	-0.735431546071689	0.462737060024131	0.00206797347026182	0.652117076329068
SARC	KDM4A	cg17737314	-0.0395364911692745	265	-0.639231360095365	0.523233048032527	0.00156313413397812	0.702707353643715
SARC	KDM4A	cg19743044	-0.0471040342404579	265	-0.761834607254909	0.446846578226337	0.00221879004172623	0.638525793180501
SARC	KDM4A	cg20873046	-0.0882295339006585	265	-1.43097229092055	0.153634368726582	0.00778445065232744	0.320939714327447
SARC	KDM4A	cg21451504	-0.148109688197847	265	-2.41946971800498	0.0162271327383059	0.0219364797380634	0.061975653248898
SARC	KDM4A	cg22094309	-0.102442296928562	265	-1.66375907862673	0.0973607439377086	0.0104944241999998	0.233566106879552
SARC	KDM4A	cg24324755	-0.026579078111196	265	-0.429549902162091	0.667877477683228	0.000706447393241059	0.807349801258976
SARC	KDM4A	cg24505556	-0.202065526025839	265	-3.33322625466101	0.000982810549464197	0.0408304768080992	0.00662129805180991
SARC	KDM4A	cg25841161	-0.00782248995405512	265	-0.126380059556547	0.899528387409644	6.11913490812933e-05	0.946991154613247
SARC	KDM4B	cg01098771	-0.187875360910189	265	-3.09024776537943	0.00221629584376555	0.0352971512371337	0.0129023811172564
SARC	KDM4B	cg12072803	-0.0583650774015297	265	-0.944526811668237	0.345774044334322	0.00340648226008655	0.545024638427366
SARC	KDM4B	cg18115693	-0.0878524469654524	265	-1.42480874147225	0.155407133021936	0.00771805243781763	0.323358898745814
SARC	KDM4C	cg00121158	0.249514796942664	265	4.16269690980544	4.27513828816869e-05	0.0622576338933386	0.000463720172880361
SARC	KDM4C	cg00667760	0.0106456146352674	265	0.171994914143972	0.863574811674995	0.00011332911096262	0.927516379719244
SARC	KDM4C	cg05545111	0.130296973401638	265	2.12311152796182	0.0346857263764975	0.0169773012776271	0.11009144829593
SARC	KDM4C	cg14196303	-0.0190544682003346	265	-0.307890253069302	0.758411403631831	0.000363072758397561	0.865341616200036
SARC	KDM4C	cg14473811	0.236023147087061	265	3.92393178061897	0.00011147488324122	0.0557069259608802	0.00105832830226074
SARC	KDM4C	cg14497348	0.00723199670533858	265	0.116839537926349	0.907077066665441	5.2301776346028e-05	0.950848231567401
SARC	KDM4E	cg15555590	0.128321441433317	265	2.09037826359948	0.0375514835279244	0.0164663923315241	0.116911998622138
SARC	KDM4E	cg19409026	0.103340950285428	265	1.67851090785517	0.09444424481172	0.0106793520058953	0.22859262564584
SARC	KDM5B	cg00528052	-0.17849141350273	265	-2.93067944043472	0.00368176526594446	0.0318591846942024	0.0194011547178001
SARC	KDM5B	cg00571448	-0.144016851295315	265	-2.3511738718059	0.0194584391988376	0.0207408534570169	0.0712856048521012
SARC	KDM5B	cg02624558	-0.0866651099789553	265	-1.40540553750358	0.161089913500994	0.00751084128766441	0.331214418302578
SARC	KDM5B	cg04504182	-0.094791579951008	265	-1.53833173304123	0.125178950360494	0.00898544362960835	0.278695302625615
SARC	KDM5B	cg08915090	-0.0620860475356187	265	-1.00496958147781	0.315842287980718	0.0038546772985951	0.515032069741798
SARC	KDM5B	cg09889216	-0.143130584179382	265	-2.33640138165664	0.020227548814505	0.0204863641275313	0.0734500594332541
SARC	KDM5B	cg11171004	0.0691538119591	265	1.11989504135734	0.263787981182754	0.00478224970847456	0.459249892760969
SARC	KDM5B	cg11221497	-0.16998050775166	265	-2.7866724045396	0.0057162318102482	0.0288933730155123	0.0275955649791685
SARC	KDM5B	cg13134514	-0.0359288467503063	265	-0.580823291478407	0.561860737715328	0.001290882028807	0.732138393491336
SARC	KDM5B	cg13253785	-0.24217083335082	265	-4.03242007450323	7.25191045252912e-05	0.0586467125258308	0.000730392441408661
SARC	KDM5B	cg13993945	-0.0881516769295889	265	-1.42969965491583	0.153999132633762	0.00777071814549862	0.321428647460178
SARC	KDM5B	cg14560895	-0.259111945006656	265	-4.33410291429659	2.09080021347479e-05	0.0671390000451324	0.000248931300592375
SARC	KDM5B	cg21105875	-0.075883646180534	256	-1.20809887465293	0.22814173254092	0.00575832775765248	0.418019931779307
SARC	KDM5B	cg24354901	-0.0557976614474364	265	-0.90284535376491	0.367440451209875	0.00311337902300273	0.566369377083833
SARC	KDM5B	cg27531483	-0.147630743769619	265	-2.41147123559023	0.0165792964710443	0.0217948365059708	0.0629893431172307
SARC	KDM5C	cg01859586	0.0410732798640105	265	0.664119569785047	0.507200042983082	0.00168701431878733	0.689999273076852
SARC	KDM5C	cg04927657	-0.00706469036634331	265	-0.114136414103595	0.909217406148635	4.9909849972304e-05	0.951780144763539
SARC	KDM5C	cg04927982	-0.221898954549213	265	-3.67654481167057	0.000286985288250356	0.0492391460300339	0.00235478678558677
SARC	KDM5C	cg09554224	0.0971647769979805	265	1.57720787367378	0.11595893922375	0.00944099388906727	0.264426490340684
SARC	KDM5C	cg12234996	-0.208074007052704	265	-3.43675850040276	0.000684884302562443	0.0432947924109688	0.0048952489372972
SARC	KDM5C	cg16417926	-0.120042618241125	265	-1.9534739284995	0.0518317728645025	0.0144102301941845	0.148122876284663
SARC	KDM5C	cg16824069	-0.160441913086323	265	-2.62603800862044	0.00914879259763899	0.0257416074747993	0.039827709644137
SARC	KDM5C	cg19903753	-0.161553422800989	265	-2.64471650108142	0.00867150292841542	0.0260995084187151	0.0382059290740398
SARC	KDM5C	cg24985300	-0.0511478495879346	265	-0.827401791408248	0.408765211327566	0.00261610251746998	0.604713818316979

SARC	KDM5C	cg27526317	-0.121563738009364	265	-1.97859629841131	0.0489127257176084	0.0147777423988092	0.141950182215759
SARC	KDM6A	cg00751785	-0.400799030683291	265	-7.06761276248398	1.43646752584879e-11	0.160639862996665	6.61625545919957e-10
SARC	KDM6A	cg03267667	0.0847665548576248	265	1.37439226369771	0.170498888915852	0.00718536882243071	0.344290475387925
SARC	KDM6A	cg03478540	0.0636377117229694	265	1.03018681680491	0.303876022113057	0.0040497583533576	0.502427817990333
SARC	KDM6A	cg06877198	0.0537847830343157	265	0.870179302426074	0.385002021192246	0.00289280288604841	0.583109711794829
SARC	KDM6A	cg07167981	-0.308978279640517	265	-5.24851128208196	3.17818719502993e-07	0.0954675772896136	6.13508423449525e-06
SARC	KDM6A	cg11895950	-0.176742484731257	265	-2.90103281425704	0.00403645800637526	0.0312379059089786	0.0208923628840956
SARC	KDM6A	cg14384228	-0.0807728750063719	265	-1.30920351062153	0.191616833080642	0.00652425733679498	0.372070684721332
SARC	KDM6A	cg15923127	-0.00972567064930636	265	-0.157130449475099	0.875263524245914	9.45886695787792e-05	0.93396461227319
SARC	KDM6A	cg17824914	-0.206044697769948	265	-3.40174666953988	0.000774612656825565	0.0424544174791094	0.00541966432888017
SARC	KDM6A	cg20211377	-0.0454571539843512	265	-0.735142722507618	0.462912621302841	0.00206635284835701	0.65223246765889
SARC	KDM6A	cg22133177	-0.0781707999438652	265	-1.26676424486436	0.206368859587768	0.0061106739638638	0.390899904133695
SARC	KDM6A	cg27306636	-0.218934198896731	265	-3.62493244806164	0.000347430628652548	0.0479321834465531	0.00276303601772606
SARC	KDM6B	cg01046511	-0.126174433743413	265	-2.0548324360847	0.0408906416894158	0.015919987730471	0.124356785753965
SARC	KDM6B	cg02308232	-0.193889725250333	265	-3.19297643404294	0.00158083199987325	0.0375932255576496	0.00982183887853526
SARC	KDM6B	cg24893073	-0.0256188339059414	265	-0.414020816584588	0.679198885672236	0.000656324650700211	0.814879445289029
SARC	KDM8	cg00636124	0.0619705805463142	265	1.00309333728794	0.316744890182721	0.00384035285324722	0.51601589696275
SARC	KDM8	cg01755539	-0.197821029725338	265	-3.26032661184787	0.00126076710089729	0.0391331598015929	0.00814145561942421
SARC	KDM8	cg06329197	0.0746368080628431	265	1.20916716520601	0.227692820544704	0.00557065311780968	0.417398385405536
SARC	KDM8	cg08572679	-0.141264979293778	265	-2.30532378536492	0.0219331341870316	0.0199557943748716	0.0780779251902488
SARC	KDM8	cg09140090	-0.0921339738411978	265	-1.49482797209629	0.136167393761047	0.00848866913577053	0.295490303566991
SARC	KDM8	cg10214171	0.0230302455375062	265	0.37216371276211	0.710072956311486	0.000530392209517825	0.834891001188101
SARC	KDM8	cg10221365	0.0445330183058296	265	0.720167397505135	0.472066376584869	0.00198318971942735	0.660158041669692
SARC	KDM8	cg16752029	0.0988666229545607	265	1.60510306696114	0.109680380904564	0.00977460913443927	0.254442522576778
SARC	KDM8	cg24206694	0.057950337828946	265	0.937792350433543	0.349218113071004	0.00335824165448897	0.548273437832316
SARC	KDM8	cg24705286	0.096908261985255	265	1.57300451801779	0.116929174767581	0.00939121124100281	0.266005217715523
SARC	KIAA202f	cg03495688	0.106883055527151	265	1.73669710486315	0.0836205187401203	0.0114239875588201	0.209445720559867
SARC	KIAA202f	cg25608569	-0.385412591474431	265	-6.74783971921744	9.64984623335974e-11	0.148542865667037	3.8755815068559e-09
SARC	KMT2B	cg09284703	0.0434087239039756	265	0.701951057977766	0.483335169990261	0.00188431731097159	0.67019421456977
SARC	KMT2B	cg13830730	0.193404535641058	265	3.18467543966226	0.00162511202288256	0.0374053144065332	0.0100432129574298
SARC	KMT2B	cg15496871	0.217676456363921	265	3.60306882300803	0.000376488256710052	0.0473830396551539	0.00295664520921681
SARC	KMT2B	cg24471867	0.0717847146519232	265	1.16271719356808	0.246006262269696	0.00515304525765803	0.439021177441014
SARC	L3MBTL1	cg01071811	-0.151157051647312	265	-2.47040242120772	0.014135779148765	0.0228484542627081	0.0557477112174295
SARC	L3MBTL1	cg01877937	0.0110743541199477	265	0.178922638196067	0.858137258183654	0.000122641319174003	0.924629617888052
SARC	L3MBTL1	cg02177317	0.0884208690144797	265	1.43409993252356	0.152740728939986	0.00781825007727577	0.319729819535657
SARC	L3MBTL1	cg02472486	0.0967386000455378	265	1.57022454480863	0.117574374064093	0.00935835673877053	0.267031976817282
SARC	L3MBTL1	cg02611863	-0.207836135271711	265	-3.43265209064506	0.000694881258362277	0.0431958591246809	0.00495668371658124
SARC	L3MBTL1	cg03486259	-0.173574556078109	265	-2.84740428618617	0.00475828871883325	0.0301281265177124	0.0238432407467255
SARC	L3MBTL1	cg04984575	0.239012893983194	265	3.97662851122389	9.05688922296603e-05	0.0571271634902218	0.000884695680828
SARC	L3MBTL1	cg06362543	0.194380395969952	265	3.20137367945581	0.00153717743254737	0.0377837383374353	0.00958890074473498
SARC	L3MBTL1	cg06446163	0.203154642688663	265	3.35196331120536	0.000921221380145279	0.0412718088459583	0.00626939865689982
SARC	L3MBTL1	cg06908806	-0.104813590426979	265	-1.70269400818421	0.0898158786896176	0.0109858887381945	0.220519772497461
SARC	L3MBTL1	cg07678583	-0.104367454639077	265	-1.69536655877507	0.0911984627943693	0.0108925655878399	0.222928302109196
SARC	L3MBTL1	cg08369943	0.251610332862898	265	4.20000942218838	3.66576989666832e-05	0.0633077596033786	0.000405654201054644
SARC	L3MBTL1	cg08633313	0.0382145496236033	265	0.617826229904453	0.537228589373818	0.00146035180293484	0.713193871702163
SARC	L3MBTL1	cg09541000	0.136016754363766	265	2.21803110627313	0.027413835169523	0.0185005574676531	0.0923137344462762
SARC	L3MBTL1	cg10360552	-0.178454190413261	265	-2.93004816279727	0.00368901099895451	0.0318458980760525	0.0194314389364661
SARC	L3MBTL1	cg12699433	0.17551240382432	265	2.88019834703892	0.00430409634379904	0.0308046038961913	0.0220183383290263
SARC	L3MBTL1	cg14306330	0.307745216184177	265	5.22536956630016	3.55979800450423e-07	0.0947071180842461	6.78585949430046e-06
SARC	L3MBTL1	cg15123011	-0.160306044872485	265	-2.62375550058672	0.00920870599782503	0.0256980280226592	0.0400146385742502
SARC	L3MBTL1	cg15302378	-0.260126765084372	265	-4.35230695563037	1.93529433142569e-05	0.06766593391326	0.000232552189093189
SARC	L3MBTL1	cg15330298	-0.137266710232012	265	-2.23880381128104	0.0260117798534878	0.0188421497379191	0.0887721167765838
SARC	L3MBTL1	cg15388309	-0.201957592178127	265	-3.33137007484009	0.000989116226490298	0.0407868690383868	0.00665519008161099
SARC	L3MBTL1	cg16862791	-0.232723133882427	265	-3.86590328618401	0.000139766100258411	0.054160057044058	0.00128203796763387
SARC	L3MBTL1	cg17091610	-0.0714904615143836	265	-1.15792655803732	0.247952500730992	0.00511088608753956	0.441298313881979
SARC	L3MBTL1	cg17774347	-0.156834606844561	265	-2.56548884502799	0.0108623379514428	0.0245970939040879	0.045477892395164
SARC	L3MBTL1	cg18911945	-0.153216704968818	265	-2.50486756189703	0.0128598450852758	0.0234753586815019	0.0519210567946621

SARC	L3MBTL1	cg20091959	-0.0548707446796806	265	-0.887801512853634	0.375464928813332	0.0030107986217027	0.574040037493458
SARC	L3MBTL1	cg20252111	-0.227205787224766	265	-3.76919854682997	0.000202545092199638	0.0516224697484258	0.00175496404957037
SARC	L3MBTL1	cg20529070	-0.168280715519368	265	-2.75798953527388	0.00622683860119476	0.0283183992157103	0.0295390378767818
SARC	L3MBTL1	cg22330467	0.214896672056971	265	3.54116767886284	0.000472234066210028	0.0461805796611615	0.00357328829362347
SARC	L3MBTL1	cg22457903	-0.158840297483254	265	-2.59914148798816	0.00987753040130312	0.0252302401045687	0.0422127373144116
SARC	L3MBTL1	cg22601123	0.319259116597461	265	5.43217825381195	1.27906805783198e-07	0.101926383530591	2.71719881187824e-06
SARC	L3MBTL1	cg23626798	0.0365555654748283	265	0.590968224288136	0.555053128364074	0.00133630936718446	0.726606969745001
SARC	L3MBTL1	cg24343973	-0.0134518988884058	265	-0.217341742722206	0.828111834920814	0.000180953583703892	0.907583108736416
SARC	L3MBTL1	cg02358112	-0.33379034364599	265	-5.72064207818249	2.90122726904071e-08	0.111415993511308	7.20159777178534e-07
SARC	L3MBTL1	cg06235991	-0.111659743967358	265	-1.81527016702864	0.0706300412822187	0.012467898422856	0.185578000253611
SARC	L3MBTL1	cg08053598	-0.130708805872606	265	-2.12993854709149	0.0341123043555306	0.0170847919326426	0.10865053595695
SARC	L3MBTL1	cg09993119	0.10327526465009	265	1.67743250611515	0.0946550355769271	0.010665780288546	0.228988830975261
SARC	L3MBTL1	cg12821546	0.162926914587726	265	2.66781178568241	0.00811236294832115	0.0265451794970761	0.0363118377744116
SARC	L3MBTL1	cg13843727	-0.151625189356059	265	-2.47823307856359	0.0138364036870715	0.0229901980472607	0.0548814147979421
SARC	L3MBTL1	cg14679202	-0.0583089606513782	265	-0.943615570067018	0.346238784423781	0.00339993489224397	0.54553571944564
SARC	L3MBTL1	cg15283028	-0.356906693921544	265	-6.17252645637745	2.5557421777067e-09	0.127382388166007	7.8306973994689e-08
SARC	L3MBTL1	cg19467356	0.00726829066740603	265	0.117425931062816	0.906612848286554	5.28280492259016e-05	0.950590200412483
SARC	L3MBTL1	cg24240981	0.00777189160865008	265	0.12556254371773	0.900174876616173	6.04022991766055e-05	0.947367965464346
SARC	L3MBTL1	cg26947834	0.0485767090223366	265	0.785708315780217	0.432751083710654	0.00235969665944076	0.626406208346134
SARC	L3MBTL1	cg27177954	-0.115826534357812	265	-1.88391469881328	0.0606880450384444	0.0134157860613414	0.166016097324732
SARC	L3MBTL1	cg03454037	-0.0866363358387152	265	-1.40493539196882	0.161229542426299	0.00750585468755864	0.331440187710052
SARC	L3MBTL1	cg07826275	-0.141035495845769	265	-2.30150274534646	0.0221512916003876	0.019891011088462	0.07864008105528
SARC	L3MBTL1	cg08106148	-0.175845154887665	265	-2.88583293254265	0.00423016207564801	0.0309215184974668	0.0217072050470291
SARC	L3MBTL1	cg08358392	-0.334245346432765	265	-5.72942012683495	2.77099142851643e-08	0.111719951611959	6.89812823008022e-07
SARC	L3MBTL1	cg09710740	-0.175521828601204	265	-2.88035792592514	0.00430198631556734	0.0308079123155103	0.0220104388972868
SARC	L3MBTL1	cg10237990	-0.181246038450201	265	-2.97743224118672	0.00317994820858492	0.0328501264538917	0.0172715835326856
SARC	L3MBTL1	cg16487825	-0.110643419432701	265	-1.798541890281	0.0732465292453372	0.0122419662637605	0.190617887000695
SARC	L3MBTL1	cg16800851	-0.18799943121903	265	-3.09236326776705	0.00220112115500877	0.0353437861386787	0.0128322856064713
SARC	L3MBTL1	cg18411550	-0.147954902204685	265	-2.41688456616544	0.0163402239410637	0.0218906530863979	0.0622972577366327
SARC	L3MBTL1	cg18798995	-0.168558348899916	265	-2.76267267706638	0.00614074549572165	0.0284119169838659	0.0292250798418066
SARC	L3MBTL1	cg22934935	-0.105579116980681	265	-1.71526963856939	0.0874826316953964	0.0111469499424204	0.21644320993899
SARC	L3MBTL1	cg24516147	-0.156589624455752	265	-2.56138062775168	0.0109883839558779	0.0245203104871935	0.0458821502583632
SARC	LBR	cg01017344	-0.115781012041543	265	-1.88316421750317	0.0607900786466997	0.0134052427493638	0.166207548527092
SARC	LBR	cg05530459	0.0937337351854013	265	1.5210113903494	0.129467515948519	0.00878601311180694	0.285303833655292
SARC	LBR	cg12994003	-0.204365190525701	265	-3.35985721499621	0.000897305334645388	0.0417651310986061	0.00613831966262779
SARC	LBR	cg14607642	-0.0890694116020248	265	-1.44470246587315	0.149740923082632	0.00793336008313092	0.315270923984148
SARC	LBR	cg18107727	-0.0181159908060155	265	-0.292720826242085	0.76996812732137	0.000328189122883637	0.872478082084729
SARC	LBR	cg18289048	0.00954548656527157	265	0.154219081051968	0.877556179144847	9.111631376778e-05	0.935058285171815
SARC	LBR	cg18764107	0.179594668166975	265	2.94939578507034	0.00347276560961669	0.0322542448340059	0.0185299156554301
SARC	LBR	cg19322477	-0.127249375895252	265	-2.07262546078012	0.0391888093873176	0.0161924036657311	0.120652771785539
SARC	LBR	cg20483690	-0.283590699464134	265	-4.77769420029007	2.96166054690793e-06	0.0804236848225569	4.46251056723137e-05
SARC	LBR	cg26930584	-0.353909819434906	265	-6.11323972983497	3.54135919018324e-09	0.125252160292448	1.0547339082738e-07
SARC	MBD1	cg01719254	-0.234535438696306	265	-3.8977537956931	0.000123489889748952	0.0550068720044688	0.0011542439604866
SARC	MBD1	cg03841029	-0.31487880924074	265	-5.35965857376016	1.83399777116461e-07	0.0991486645088665	3.75714140073551e-06
SARC	MBD1	cg05549078	-0.314156415144352	265	-5.34601429997637	1.96296024011642e-07	0.0986942531763501	3.99128408049181e-06
SARC	MBD1	cg12090413	-0.356975798478111	265	-6.17389610571367	2.53649057603998e-09	0.127431720699085	7.78090488456048e-08
SARC	MBD1	cg13478031	-0.0485414209599397	265	-0.785136197310023	0.433085817772294	0.00235626954881007	0.626767615224658
SARC	MBD1	cg14389183	-0.382697990592897	265	-6.69212315067034	1.33680560747331e-10	0.146457752003841	5.21019315770435e-09
SARC	MBD1	cg19328682	-0.410809073835874	265	-7.27944273987952	3.94273586218536e-12	0.168764095145889	2.02189316850921e-10
SARC	MBD1	cg21282183	0.110119914614815	265	1.78992745242758	0.0746247244054413	0.0121263955947742	0.193140781641245
SARC	MBD2	cg15090185	0.172116932338768	265	2.82275951920012	0.00512786973839329	0.0296242383977079	0.0252943693125716
SARC	MBD2	cg16852837	-0.136380009855923	265	-2.22406684151832	0.0269998467314244	0.0185995070883017	0.0912514587116356
SARC	MBD2	cg17987217	0.0391131270709391	265	0.632375807203376	0.527694918421531	0.00152983670926743	0.706225889135779
SARC	MBD2	cg22224310	0.0573918982676222	265	0.928725285476549	0.353889575781833	0.0032938299867611	0.552909818010362
SARC	MBD2	cg22836370	0.0128933681521349	265	0.208316053094755	0.835144667749072	0.000166238942306487	0.911708382474089
SARC	MBD2	cg23388714	-0.0589569820145641	265	-0.954138895511935	0.340896178832573	0.00347592572826563	0.540192641234008
SARC	MBD2	cg24881765	-0.134483072514176	265	-2.19255796311273	0.0292222706188634	0.0180856967928532	0.0968356345754433

SARC	MBD2	cg25192916	0.0852674717810581	265	1.38257336220753	0.167977557277395	0.00727054174393354	0.340980846011529
SARC	MBD3	cg08660999	-0.057770040655218	265	-0.934864871822002	0.350722062356541	0.00333737759730554	0.54969421011312
SARC	MBD3	cg09174855	0.0457320168318911	265	0.739597150769324	0.460209156570412	0.00209141736351237	0.650041522029776
SARC	MBD3	cg12286540	-0.199504719126011	265	-3.28922102959217	0.00114284811657889	0.0398021329535485	0.0075026773317416
SARC	MBD5	cg03890220	0.289573306402351	265	4.88760528362337	1.78418095636751e-06	0.0838526997807898	2.85593772262662e-05
SARC	MBD5	cg04152151	0.243532915158319	265	4.05652596901753	6.58292603586904e-05	0.059308280765509	0.000674452980421962
SARC	MBD5	cg05218490	-0.184650749033678	265	-3.0353188739627	0.00264569385140542	0.0340958991186985	0.0148917666938885
SARC	MBD5	cg06394585	-0.0583173936818375	265	-0.943752507719108	0.346168919651916	0.00340091840584241	0.545459175131174
SARC	MBD5	cg06758980	0.256802689794864	265	4.29273625798707	2.48987610554412e-05	0.0659476214858773	0.000289879409989074
SARC	MBD5	cg20595490	0.229049216508064	265	3.80146590781629	0.000179109839893157	0.052463543582958	0.00158211319230705
SARC	MBD5	cg21412502	-0.235666820147852	265	-3.91765913547708	0.000114248458369109	0.0555388501185999	0.00108041929038899
SARC	MBD5	cg23120335	-0.143069694316245	265	-2.33538666748247	0.0202813445332524	0.0204689374317439	0.0735967402099001
SARC	MBD5	cg25686162	0.206569233702368	265	3.41079211397626	0.000750434066122148	0.0426708483123835	0.00528573265281631
SARC	MBD5	cg26664634	-0.284285699408893	265	-4.79043108228918	2.79399793385014e-06	0.0808183588884032	4.24938954576614e-05
SARC	MBTD1	cg01388767	-0.125820402096667	265	-2.04897392601313	0.0414645963295189	0.0158307735837669	0.125663640129271
SARC	MBTD1	cg14577476	-0.0884041251734404	265	-1.43382622450396	0.152818774498431	0.00781528934768131	0.319855352543341
SARC	MBTD1	cg17045523	-0.267461280545143	265	-4.4843399705911	1.09654363575438e-05	0.0715355365908479	0.000142017707325126
SARC	MBTD1	cg18711617	-0.105275174841277	265	-1.71027628390232	0.0884031288104909	0.0110828624378614	0.218151720941581
SARC	MBTD1	cg22141797	-0.1048119372381	265	-1.70266685386728	0.0898209708124422	0.0109855421876034	0.220519772497461
SARC	MBTD1	cg25259117	-0.114228884108496	265	-1.85758298563835	0.0643544572497524	0.0130482379646723	0.173275328829615
SARC	MBTD1	cg25716740	-0.13443214525109	265	-2.19171238123223	0.0292840319114899	0.0180720016768101	0.0969702455421806
SARC	MBTD1	cg25855326	-0.137438940230424	265	-2.24166691071067	0.0258235088520518	0.018889462291662	0.0882767521042544
SARC	MBTD1	cg27207041	-0.0782233051931321	265	-1.26762033329783	0.206063304729489	0.00611888547533789	0.390490093735845
SARC	MBTD1	cg27214721	-0.055615585963005	265	-0.899890088665467	0.36900826811535	0.00309309340200839	0.567743208215543
SARC	MBTD1	cg27353579	-0.14900546878716	265	-2.43443413724042	0.0155859856314108	0.0222026297284814	0.0601504787279757
SARC	MLLT10	cg00879184	-0.346338516043131	265	-5.96440962746765	7.9527006536772e-09	0.119950367694958	2.22064750413555e-07
SARC	MLLT10	cg03524461	-0.197143730616951	265	-3.24871171850125	0.00131127579636033	0.0388656505215688	0.00840759822814272
SARC	MLLT10	cg04188362	-0.241470497475396	265	-4.02003551892664	7.62027611864346e-05	0.0583080011510152	0.000762556933848405
SARC	MLLT10	cg05913198	-0.163621638256023	265	-2.67949963250308	0.00784195482706028	0.0267720405055848	0.035384086411248
SARC	MLLT10	cg06398735	-0.150302631572562	265	-2.4561147027815	0.0146968590909117	0.0225908810576372	0.0574623036698188
SARC	MLLT10	cg11443787	-0.0139755147648322	265	-0.225803403293655	0.821531047195535	0.000195315012942043	0.904204699928634
SARC	MLLT10	cg15910013	0.105040319689723	265	1.70641826620632	0.0891196972411574	0.0110334687605192	0.219286997949728
SARC	MLLT10	cg19119538	-0.202605376296026	265	-3.34251216918366	0.000951823407664265	0.0410489385040542	0.00644047579158335
SARC	MLLT10	cg20569108	-0.224421852588611	265	-3.72054943020973	0.000243419278179208	0.0503651679193044	0.00204763833549668
SARC	MLLT10	cg23344688	-0.315574034225167	265	-5.37279945196981	1.71760063134745e-07	0.0995869710771471	3.54051466653534e-06
SARC	MLLT10	cg26877631	-0.159210598249667	265	-2.6053582055151	0.0097046196031127	0.025348014595017	0.0416208819342053
SARC	MLLT10	cg27470303	-0.228799759738295	265	-3.79709690435385	0.000182125669611487	0.0523493300563017	0.00160310979200679
SARC	MLLT10	cg27572529	-0.28197925232991	265	-4.74819354445511	3.38810513697774e-06	0.0795122987445351	5.03677147001808e-05
SARC	MLLT6	cg05652455	0.0281693016566144	265	0.455269662029128	0.649293740854068	0.000793509555821337	0.794837956159835
SARC	MORF4L	cg03589001	-0.0692303201220363	265	-1.12113999827385	0.263258746004352	0.00479283722419962	0.458677511459408
SARC	MORF4L	cg07757959	0.0457968153788302	265	0.740647300727874	0.459573100132787	0.00209734829884266	0.649446498669028
SARC	MORF4L	cg08692282	0.0886903919621269	265	1.43850593577301	0.151488587560312	0.0078659856263957	0.317823710373974
SARC	MORF4L	cg13747872	-0.00204907160697929	265	-0.0331038344121261	0.973617086514774	4.19869445052868e-06	0.986179805845219
SARC	MORF4L	cg15822222	0.00376871851103701	265	0.0608859432712425	0.951496640364913	1.4203239215433e-05	0.974303102951681
SARC	MORF4L	cg20775702	-0.276262129654091	265	-4.64388031875133	5.4237395553587e-06	0.0763207642810136	7.64097057195504e-05
SARC	MORF4L	cg20905746	0.146284220625875	265	2.38899326014959	0.0176053720016285	0.0213990732041198	0.066001267866353
SARC	MORF4L	cg23623458	-0.218573805107904	242	-3.45554608704496	0.000650166607630314	0.0477745082793481	0.00468454765897866
SARC	MORF4L	cg24795825	-0.0146757496193139	263	-0.2362092765338	0.813456971805075	0.000215377626888791	0.899499126051999
SARC	MPHOSF	cg00331616	-0.111072243878824	265	-1.80559946145607	0.0721330798910061	0.012337043360277	0.188407225928046
SARC	MPHOSF	cg03134886	0.00547717929463022	265	0.0884878668449521	0.929556785229615	2.99994930255259e-05	0.962671899544514
SARC	MPHOSF	cg03428000	0.142235982268123	265	2.32149578465262	0.0210304993109738	0.0202310746517779	0.0756938402608445
SARC	MPHOSF	cg04203901	0.0221865671162499	265	0.358523212545459	0.720241620893176	0.000492243760403862	0.841386882341443
SARC	MPHOSF	cg06019692	-0.216793701772446	265	-3.58773496022819	0.000398214379964831	0.0469995091282001	0.003093846946468
SARC	MPHOSF	cg09559995	-0.29851576603504	265	-5.05306582927953	8.18350516596393e-07	0.0891116625714867	1.43094538296471e-05
SARC	MPHOSF	cg11051893	0.0627755453013591	265	1.01617420236045	0.310487488584915	0.00394076908788298	0.509289301178123
SARC	MPHOSF	cg19693579	0.0434841600780783	265	0.703173225467832	0.482574557848139	0.00189087217769594	0.669557244702744
SARC	MPHOSF	cg20759595	-0.440066952752768	265	-7.9173458686681	6.97849558389756e-14	0.193658922905107	4.71663844877261e-12

SARC	MPHOSF	cg20952532	-0.254522246986164	265	-4.25196298270346	2.95391315999454e-05	0.0647815742108857	0.000336353513420104
SARC	MPHOSF	cg21958444	-0.139378842731383	265	-2.27392964369837	0.0237825692988786	0.0194264618011395	0.0830292687715729
SARC	MPHOSF	cg22656705	-0.212436472861029	265	-3.51218223517388	0.000523562194361385	0.0451292550016347	0.0038976074017368
SARC	MSH6	cg00620552	-0.195270493948269	265	-3.21661302669141	0.00146079283857096	0.038130565806801	0.0091994590855492
SARC	MSH6	cg02905881	-0.0629854211272212	265	-1.0195850596689	0.308869441978376	0.0039671632745734	0.507512512987488
SARC	MSH6	cg05039065	-0.0291073212441952	265	-0.470442496156097	0.638431792809998	0.000847236150012777	0.787351979864632
SARC	MSH6	cg07652213	-0.154027811141089	265	-2.51844932684658	0.0123858799170046	0.0237245666049151	0.0503868191321161
SARC	MSH6	cg09898070	-9.891534216273e-05	265	-0.0015980262663189	0.998726180774014	9.78424491516995e-09	0.999304229085051
SARC	MSH6	cg11869233	-0.0520674213929846	265	-0.837462582753861	0.403107695518187	0.00271101637051463	0.599616819922787
SARC	MSH6	cg16595246	-0.0339438654821236	265	-0.548696120536537	0.583683065205926	0.0011521860038685	0.748636347330385
SARC	MSH6	cg18222961	-0.0698411647568465	265	-1.13108050541692	0.259059438043845	0.00487778829459298	0.453810487135104
SARC	MSH6	cg19076255	-0.202282798155156	265	-3.3369631509728	0.000970229230993371	0.0409183304294795	0.00654736405238535
SARC	MSH6	cg19736286	-0.0271179819955842	265	-0.438265583443081	0.661556287598959	0.000735384947512831	0.803050694173131
SARC	MSH6	cg21405109	-0.0871374031934613	265	-1.41312292342495	0.158811031724992	0.00759292703529985	0.32808097835765
SARC	MTA1	cg01318265	-0.374702554664929	265	-6.52918855493278	3.43148588943897e-10	0.140402004472424	1.23302084657282e-08
SARC	MTA1	cg01655777	-0.163611897827889	265	-2.67933573385638	0.00784568992685277	0.0267688531108436	0.0353927284528608
SARC	MTA1	cg05922925	-0.286856420387301	265	-4.83761489925213	2.24915218976637e-06	0.0822866059174158	3.50221267915702e-05
SARC	MTA1	cg13052453	-0.342580569952357	265	-5.89103407262971	1.17887286174336e-08	0.117361446908881	3.1733299448603e-07
SARC	MTA1	cg13981078	-0.342591194380084	265	-5.89124106490899	1.1775702870319e-08	0.117368726466772	3.17201879880054e-07
SARC	MTA1	cg16531924	-0.0612780843665947	265	-0.991841686118821	0.322193379440066	0.0037550036236395	0.521659835168175
SARC	MTA1	cg20222911	0.0189625690558222	264	0.305817226269501	0.759988528208477	0.000359579025196825	0.866480259748952
SARC	MTA1	cg21517792	-0.168321753791567	265	-2.75868172951679	0.00621404511174649	0.0283322127994688	0.0294855398245323
SARC	MTA1	cg23123838	-0.178779178394132	265	-2.93556017115969	0.0036261825667047	0.031961994627281	0.0191595442399874
SARC	MTA1	cg23883989	-0.0442631717400159	265	-0.715794970818331	0.474757847136457	0.00195922837248614	0.662607914505028
SARC	MTA1	cg23966123	-0.195187235700016	265	-3.21518721448835	0.00146778739990675	0.0380980569802135	0.00923282438505319
SARC	MTA2	cg00501779	-0.0861843235610795	265	-1.39755035121151	0.163434913135535	0.00742773762768084	0.334471250163518
SARC	MTA2	cg07654871	0.125783331103102	265	2.04836052184758	0.0415250860743999	0.0158214463833927	0.125774900563458
SARC	MTA2	cg09086761	0.0705764221805277	265	1.14304732594097	0.25406633057257	0.00498103136780409	0.448161900153338
SARC	MTA2	cg13708959	-0.0144257354640848	265	-0.233079142176129	0.815882636356067	0.000208101843679755	0.90088659651445
SARC	MTA2	cg19570317	-0.0998195894345115	265	-1.62072946844962	0.106283151428142	0.00996395043487443	0.24871977505643
SARC	MTA2	cg21002970	0.0619789688196767	265	1.0032296385104	0.316679262669143	0.00384139257595046	0.515964281736723
SARC	MTF2	cg05396182	-0.0731279760529989	265	-1.1845902723553	0.237257058258861	0.00534770088160798	0.42868081812626
SARC	MTF2	cg05962718	-0.258402303356414	265	-4.32138237043396	2.20649076985547e-05	0.0667717503799002	0.000261027589644368
SARC	MTF2	cg09936581	-0.00042418749947340	265	-0.0068529593979155	0.99453740732462	1.79935034709501e-07	0.997146022572473
SARC	MTF2	cg11404133	-0.0406547887879467	265	-0.657341669167989	0.511540507517307	0.00165281185139256	0.693627243983151
SARC	MTF2	cg14474880	-0.229041166684511	265	-3.80132491030261	0.000179206425599265	0.0524598560362018	0.00158252504284617
SARC	MTF2	cg15463775	-0.177900090191278	265	-2.92065254409407	0.00379840525114274	0.0316484420900648	0.0199213333855186
SARC	MTF2	cg16813892	0.0960579131105949	265	1.55907262596075	0.120190891746943	0.00922712267116259	0.271002557317307
SARC	MTF2	cg19708337	-0.173656211015792	265	-2.84878543565118	0.00473831240876681	0.0301564796243613	0.0237630399386027
SARC	MTF2	cg22801127	0.0277553844359979	265	0.448574774046368	0.654110616655834	0.000770361365190033	0.798172341883895
SARC	MTF2	cg23992808	-0.155442805758295	265	-2.5421555520763	0.0115957744458721	0.024162465862011	0.0478557918961366
SARC	MTF2	cg26054395	-0.292033494910108	265	-4.93298366970656	1.44363116007084e-06	0.0852835621494121	2.36284120485064e-05
SARC	NAP1L2	cg02379437	0.0851469561854565	264	1.37795760025029	0.169401139211493	0.00725000414764804	0.342883702550318
SARC	NAP1L2	cg04297329	0.0663879555278096	265	1.07490160041999	0.283411465983544	0.00440736063916242	0.480708853913088
SARC	NAP1L2	cg07693661	-0.0472405396311769	259	-0.755214087201046	0.450817506538382	0.0022316685846448	0.64154862444018
SARC	NAP1L2	cg20001978	0.0371599263455994	257	0.591473323949581	0.554731427436308	0.00138086012601037	0.726358763885588
SARC	NAP1L2	cg23483095	0.0257635484577836	265	0.416361068323525	0.677487992298675	0.000663760429136566	0.813607750567516
SARC	NCOA1	cg11380327	-0.236071435388678	265	-3.92478195857703	0.00011110391328329	0.0557297226064708	0.0010553379523761
SARC	NCOA1	cg13911252	-0.139848757888235	265	-2.28174885621561	0.0233096465850348	0.0195576750828822	0.081756115709477
SARC	NCOA1	cg15477048	0.13641158606383	265	2.22459154467583	0.0269641153578715	0.0186081208124496	0.0911782313374881
SARC	NCOA1	cg23006163	-0.197246967260626	256	-3.19394736315482	0.00158209233189867	0.0389063660935146	0.00982809956621615
SARC	NCOA3	cg04175879	-0.187152227572177	265	-3.07792078561182	0.00230665295947753	0.0350259562852277	0.0133458723107345
SARC	NCOA3	cg09568061	-0.0432390553855402	265	-0.699202243678044	0.485048275067359	0.00186961591063381	0.671666334683356
SARC	NCOA3	cg12128876	0.0397679187492702	265	0.642979022282084	0.520802177043107	0.00158148736164856	0.700992864004904
SARC	NCOA3	cg14341558	0.0284618879219961	265	0.460002228382332	0.645897587937498	0.000810079064084268	0.792382751637907
SARC	NCOA3	cg14774045	-0.121993694803204	265	-1.9856998959749	0.0481129539229346	0.0148824615717373	0.14027805777231
SARC	NCOA3	cg18295930	0.0990792605772917	265	1.60858943406642	0.108915047590906	0.00981669987654288	0.253112388716563

SARC	NCOA3	cg21735648	0.0318584817853233	265	0.514950919129658	0.6070231426317	0.00101496286166578	0.765249126673427
SARC	NCOA3	cg22511723	-0.0780439043522612	265	-1.26469527935601	0.207108680185254	0.00609085100654489	0.391986294585107
SARC	NCOA3	cg22876277	-0.123454682258231	265	-2.00984633071261	0.045476522818396	0.0152410585714809	0.13463999909173
SARC	NCOA3	cg24856420	-0.0957354457535008	265	-1.55379030841965	0.121446154725958	0.00916527557362149	0.272916756544306
SARC	NCOA3	cg25373408	-0.0755986006559727	265	-1.22483785140916	0.221740601860382	0.00571514842114124	0.410233517337356
SARC	NCOR1	cg00253204	0.429045293090223	265	7.67360729228823	3.33951232453268e-13	0.184079863522875	2.02489494758141e-11
SARC	NCOR1	cg08125503	-0.0789255095082338	265	-1.27907066855916	0.202008185445636	0.0062292360511343	0.385455599179735
SARC	NCOR1	cg08206308	-0.0482890272970616	265	-0.781044273887918	0.435484301483727	0.00233183015729636	0.628708446508803
SARC	NCOR1	cg21211144	0.336947394771215	265	5.78164209771616	2.1062669802047e-08	0.113533546843109	5.40240466396453e-07
SARC	NCOR1	cg22291359	-0.0498523620330337	265	-0.806392226445313	0.420750875552836	0.00248525800027266	0.61590948390707
SARC	NCOR1	cg22625220	0.0398433876944164	265	0.644201163961291	0.52001071808944	0.00158749554296757	0.700424437340708
SARC	NCOR2	cg08976554	-0.180652390829523	265	-2.96735049106519	0.00328253277758083	0.0326352863124226	0.0176916554592714
SARC	NCOR2	cg10641483	-0.0753342721854453	265	-1.22053075209903	0.223365287315375	0.00567525256571075	0.412175130732299
SARC	NCOR2	cg13416396	-0.193632245429858	265	-3.18857096992051	0.00160419102518696	0.0374934464702089	0.0099391873696555
SARC	NCOR2	cg13419087	-0.210049247672459	265	-3.47088202697101	0.000606862648646574	0.0441206864477662	0.00441423776426476
SARC	NCOR2	cg13857025	-0.256306245678092	265	-4.28385355931972	2.5846049636029e-05	0.0656928915735985	0.000299607746294925
SARC	NCOR2	cg16181859	-0.294038759133493	265	-4.97005006813326	1.2129493314065e-06	0.0864587918727641	2.0305612284794e-05
SARC	NCOR2	cg19895345	-0.111097049668174	265	-1.80600774509266	0.0720690952703655	0.0123425544449728	0.188284353610599
SARC	NCOR2	cg23611643	-0.237463392824014	265	-3.94930243736973	0.000100895059723736	0.056388862931492	0.000971294428430676
SARC	NCOR2	cg24626542	-0.22888449919558	265	-3.79858094860516	0.00018109592110005	0.0523881139720117	0.00159557685822359
SARC	NCOR2	cg25113767	-0.192428303341731	265	-3.1679806597627	0.00171766350231053	0.0370286519269771	0.0105055617691418
SARC	NCOR2	cg25449924	-0.181854595847272	265	-2.98777069316752	0.00307781088929892	0.0330710940307746	0.0168012925634777
SARC	ORC1	cg00298020	-0.228794184066115	265	-3.79699926066066	0.000182193616370821	0.0523467786624793	0.00160352643873194
SARC	ORC1	cg02275620	0.186207007430052	265	3.0618157914447	0.0024298169458914	0.0346730496160553	0.0139060677914129
SARC	ORC1	cg04407474	0.00348554248656477	265	0.0563110042596773	0.955137135991024	1.21490064256481e-05	0.97611647562184
SARC	ORC1	cg07142859	-0.207588331440187	265	-3.42837489957399	0.000705438886424854	0.0430929153501211	0.0050191067066522
SARC	ORC1	cg08613513	0.026574234098147	265	0.429471561751019	0.667934403783206	0.000706189917903121	0.80737629007547
SARC	ORC1	cg10586599	0.043799583314289	265	0.708283636944788	0.479401207397408	0.00191840349850534	0.666767781280442
SARC	ORC1	cg13460942	-0.0750889146805076	265	-1.21653300671104	0.224880929262757	0.00563834510789655	0.414156554320848
SARC	ORC1	cg16136434	0.08618823808804	265	1.39761430356946	0.16341571756935	0.00742841238472066	0.334440764300484
SARC	ORC1	cg16965475	-0.159834873644426	265	-2.61584127920136	0.00941918302577167	0.0255471868329295	0.0406590792848129
SARC	ORC1	cg17146111	-0.279558926746546	265	-4.70396671916266	4.1401912612433e-06	0.0781531935236808	6.03262856297361e-05
SARC	ORC1	cg19776520	-0.102892301207261	265	-1.67114559939928	0.0958914714718894	0.0105868256477258	0.231116683245892
SARC	ORC1	cg21197365	0.310396412675158	265	5.27516250939748	2.78781499792918e-07	0.0963459330016073	5.45186726870042e-06
SARC	ORC1	cg23606758	0.0463767459860751	265	0.750046295987526	0.453902396983165	0.00215080256825694	0.644206357450026
SARC	ORC1	cg25605769	-0.0414076365372068	265	-0.669535077196424	0.503746069082536	0.00171459236359742	0.68708222347652
SARC	PADI1	cg14524955	0.163073911890847	265	2.67028448866775	0.00805446456967423	0.0265931007393837	0.0361160397494359
SARC	PADI1	cg21010178	0.0540739921302774	265	0.87487207606487	0.382447865765793	0.0029239966249053	0.580801858070031
SARC	PADI1	cg22193702	0.0878927448857748	265	1.42546738825763	0.15521695054948	0.00772513460355588	0.32309280633201
SARC	PADI2	cg00569276	-0.169956461724758	265	-2.78626646583282	0.00572318509858922	0.0288851988819991	0.0276196936451396
SARC	PADI2	cg01603374	-0.036889561310313	265	-0.596375025518474	0.551441608114382	0.00136083973366734	0.72387237334678
SARC	PADI2	cg07014827	-0.070695217423906	265	-1.14498097545131	0.253265887546536	0.00499781376661334	0.447307795214095
SARC	PADI2	cg09313801	-0.0229660297824189	265	-0.371125451870818	0.710845158965444	0.00052743852396695	0.835352320980041
SARC	PADI2	cg10233913	-0.0610083725213484	265	-0.987459808409538	0.32433180018839	0.00372202151770362	0.523759534674105
SARC	PADI2	cg15185794	-0.0692628335343253	265	-1.12166906937334	0.263034059486069	0.00479734010920366	0.458398970040979
SARC	PADI2	cg17183414	-0.049198246346539	265	-0.795785664527209	0.426879781124182	0.00242046744357474	0.621303754775952
SARC	PADI2	cg18228326	-0.0343771968431315	265	-0.5557090750711	0.578885781866504	0.00118179166279141	0.745051291713176
SARC	PADI2	cg18879300	-0.0889969010279116	265	-1.44351695350634	0.150074081893105	0.00792044839257189	0.315729837640977
SARC	PADI2	cg19282714	-0.0381171507565104	265	-0.61624925870329	0.538267111693892	0.00145291718179454	0.713975544120354
SARC	PADI3	cg01459162	-0.0285750712988808	265	-0.461832994798542	0.644585789250702	0.000816534699736119	0.791515460658712
SARC	PADI3	cg12858514	-0.0158999722952559	265	-0.256904389655367	0.797454984879467	0.000252809118989905	0.889243923710127
SARC	PADI3	cg14664242	-0.0379961982855134	265	-0.6142909589309	0.53955816852239	0.00144371108415205	0.714894829433082
SARC	PADI3	cg17589397	0.00990859000962274	265	0.160086029453006	0.872937130151484	9.81801559787955e-05	0.932702437520586
SARC	PADI3	cg18768338	-0.00552774684666692	265	-0.0893048477534842	0.928908130783579	3.05559852008361e-05	0.962382823104569
SARC	PADI3	cg21966975	-0.00846514511534323	265	-0.136763504921328	0.891323166326062	7.16586818238193e-05	0.942488291382577
SARC	PADI4	cg16091981	-0.116947518795018	265	-1.90239906714225	0.0582196596007106	0.013676722152311	0.161064729693374
SARC	PADI4	cg18333690	-0.14936081075967	265	-2.44037198106274	0.0153378584106129	0.0223086517907859	0.0594042296721708

SARC	PADI4	cg19159961	0.113911639498612	257	1.82374652034127	0.0693701434575892	0.0129758616132618	0.183146030684168
SARC	PADI4	cg21295838	-0.0930972686293985	265	-1.51059288086095	0.132101921224589	0.00866710142625439	0.289322546727074
SARC	PADI4	cg23228178	0.0591163205866796	265	0.956726605659471	0.339590596870357	0.00349473935970708	0.538829538639408
SARC	PADI4	cg26918754	-0.0921489960106372	265	-1.49507378648283	0.136103265680104	0.00849143746576843	0.295391626222465
SARC	PADI6	cg12643633	0.0503779300547956	265	0.814915126067738	0.415863857474274	0.00253793583660588	0.611495042850848
SARC	PADI6	cg16017904	-0.00265199359097341	265	-0.0428444183287304	0.965858314150156	7.03307000656403e-06	0.982059587364562
SARC	PARP1	cg00653565	-0.111701113296482	265	-1.81595121067594	0.0705251732829771	0.0124771387116736	0.185395084173308
SARC	PARP1	cg02088626	-0.0564984902338839	265	-0.914221343629377	0.361444341321391	0.00319207939870827	0.560313275187938
SARC	PARP1	cg03149313	0.0114044114731246	265	0.184255888538889	0.853955795693268	0.000130060601048337	0.922107767766478
SARC	PARP1	cg04960271	0.129723085758079	265	2.11359995527076	0.0354984240669012	0.0168280789785978	0.112017377270941
SARC	PARP1	cg07113065	-0.259394345583582	265	-4.33916712246058	2.04637829162072e-05	0.0672854265207348	0.000244390471013728
SARC	PARP1	cg17661881	-0.0885619013282329	265	-1.43640540650354	0.152084552310983	0.00784321036687167	0.318738803913915
SARC	PARP1	cg25722198	-0.147141353376152	265	-2.40330009450804	0.0169460160684007	0.0216505778733655	0.0640665973672141
SARC	PARP1	cg26464410	0.0227254563580138	265	0.367235824466031	0.713740703543829	0.000516446366679988	0.837099906562474
SARC	PARP2	cg01813761	-0.227493634759903	235	-3.58131501168791	0.000415398410477259	0.0517533538562721	0.00320399602862065
SARC	PARP2	cg10910545	-0.26448903383382	265	-4.43073538927801	1.38319923743996e-05	0.0699544490183473	0.000173808110931036
SARC	PARP2	cg15078479	-0.255411051950823	265	-4.26784533918175	2.764093823731e-05	0.0652348054586259	0.000317387328300117
SARC	PARP2	cg15365367	-0.223868709972165	265	-3.71089476224653	0.0002524066292095	0.0501171993046011	0.002109943399668
SARC	PARP2	cg18899035	-0.0741643797437854	196	-1.03048972820098	0.304076527269943	0.00550035522278041	0.502673863924817
SARC	PARP2	cg19540080	0.0626692803177986	265	1.0144472580785	0.311308860451467	0.00392743869555082	0.510195531515157
SARC	PARP2	cg24595957	0.0279613698376096	265	0.451906447832062	0.651711697977618	0.000781838203195585	0.796406846253076
SARC	PARP2	cg26206608	-0.102727200578182	265	-1.66843546224726	0.0964284651974366	0.01055287773863	0.232068208787919
SARC	PARP2	cg26430074	-0.0843247172923406	265	-1.36717693523745	0.172746154719142	0.00711065794643316	0.347484469158114
SARC	PAXIP1	cg02824291	0.0884630039413529	265	1.43478870866177	0.152544465129888	0.00782570306632782	0.319410118168507
SARC	PAXIP1	cg12220104	0.0578725707191881	265	0.936529637443568	0.349866307557967	0.00334923444164743	0.548925702515736
SARC	PAXIP1	cg22583711	-0.0718517691147442	265	-1.16380892718136	0.2455642468333	0.00516267672491851	0.438493894737863
SARC	PAXIP1	cg24448952	-0.257002877412719	265	-4.29631917281816	2.45261435510133e-05	0.0660504789984173	0.000286183712525503
SARC	PAXIP1	cg24452135	0.0741145363144594	265	1.2006591077615	0.230972008863105	0.00549296449310732	0.421411902601977
SARC	PCGF1	cg03203239	-0.0939742551563536	265	-1.52494902205853	0.128482605134535	0.00883116063219145	0.283764072751607
SARC	PCGF1	cg08092637	-0.142574672747726	265	-2.32713826179526	0.0207233165908691	0.0203275373091213	0.0748362544006315
SARC	PCGF1	cg27306986	-0.161769820127796	265	-2.64835417413845	0.00858119690252541	0.0261694747041794	0.0379169392158958
SARC	PCGF2	cg09395368	-0.0985989036593443	265	-1.60071390665654	0.110649969093599	0.00972174380282465	0.256019977861741
SARC	PCGF2	cg17902383	-0.121268769177564	265	-1.97372357937481	0.0494677961089232	0.0147061143778412	0.143192473692933
SARC	PCGF2	cg20228512	-0.100398143654479	265	-1.6302185872089	0.104261477931719	0.0100797872492654	0.245406112196913
SARC	PCGF2	cg25377665	-0.0696507413125831	265	-1.12798153563459	0.260363542275176	0.00485122576539238	0.455510309174539
SARC	PCGF5	cg03905463	0.0122678368761848	265	0.19820788590285	0.843036712112919	0.000150499821620679	0.916146312515305
SARC	PCGF5	cg06001881	-0.00954001368799738	265	-0.154130651934896	0.877625831892672	9.10118611671774e-05	0.93508378080836
SARC	PCGF5	cg07421809	-0.129619722876057	265	-2.111887056169	0.0356465025370116	0.0168012725584659	0.112375248951018
SARC	PCGF5	cg07424295	0.0552327270454395	265	0.893676203377382	0.372318462105754	0.00305065413687602	0.570954349591189
SARC	PCGF5	cg08633154	-0.00194568114263096	265	-0.0314335003441708	0.974947848499024	3.78567510878973e-06	0.986832077714679
SARC	PCGF5	cg11113644	-0.0422571362966329	265	-0.683295270711553	0.495026391727367	0.00178566556799221	0.679994759013836
SARC	PCGF5	cg12783297	-0.0570601878395044	265	-0.92333990688212	0.356682901222642	0.00325586503627953	0.555522425228017
SARC	PCGF5	cg15550435	0.0140830100477414	255	0.223138968538541	0.823608838056926	0.000198331172004786	0.905058776260372
SARC	PCGF5	cg17001035	0.122475168726685	265	1.99365598882396	0.0472303493652702	0.01500016695463	0.138425867404658
SARC	PCGF5	cg20515900	-0.00436026595289433	265	-0.0704429219085718	0.943895072868088	1.90119191799695e-05	0.970017745263478
SARC	PCGF5	cg22968329	-0.0501749568013476	265	-0.811623520286462	0.417747251588914	0.0025175262900171	0.61312787129477
SARC	PCGF5	cg23395902	-0.0398583807960415	265	-0.644443963082638	0.519853555686278	0.00158869051968225	0.700291028508742
SARC	PCGF5	cg25390656	0.0292872525529953	265	0.473353096479829	0.636356946335516	0.000857743162102932	0.785951899332007
SARC	PCGF6	cg01917164	-0.198221759942936	265	-3.26720095681601	0.00123173045056892	0.039291866114875	0.00798976391824888
SARC	PCGF6	cg06691148	0.0319976020965199	265	0.51720191767063	0.605453237710009	0.00102384653992721	0.76408723090071
SARC	PCGF6	cg11612727	-0.112419450754523	265	-1.82777838719236	0.0687244038194886	0.0126381329079487	0.181873257270829
SARC	PCGF6	cg11814370	-0.139705062847556	265	-2.27935765782777	0.0234533921877993	0.0195175045852395	0.0821306861065793
SARC	PCGF6	cg14409890	-0.24352022546001	265	-4.0563012714199	6.5888814019966e-05	0.0593021002080941	0.000674783855688673
SARC	PCGF6	cg16113748	-0.0196632315560409	265	-0.317730657764589	0.750943304157713	0.000386642675226484	0.860493200819636
SARC	PCGF6	cg16382383	0.157389454139535	265	2.57479511934223	0.0105815763869735	0.0247714402743409	0.0445373128522542
SARC	PCGF6	cg24418712	-0.045207981400351	265	-0.731104775357667	0.465370993548587	0.00204376158229448	0.654625666392873
SARC	PCGF6	cg25481680	-0.0507127373909763	265	-0.820344899127427	0.412768087616517	0.00257178173368612	0.608379542032916

SARC	PCGF6	cg26155979	0.0485209974916712	265	0.784805076950532	0.433279617898627	0.00235428719758676	0.626850951786174
SARC	PCGF6	cg27217148	-0.0203764148726471	265	-0.329259417872331	0.74222367988498	0.000415198283062233	0.855010201874254
SARC	PHC1	cg02770112	-0.0471649991071414	265	-0.762822816189545	0.446257956737782	0.00222453714077665	0.638118364209599
SARC	PHC1	cg08021945	-0.251766601970978	265	-4.20279442318626	3.6237785585794e-05	0.063386421868013	0.000401864902617429
SARC	PHC1	cg08867249	-0.011250844043886	265	-0.181774453191891	0.855900825583425	0.000126581491699844	0.923330878485206
SARC	PHC1	cg09059548	-0.160213688653956	265	-2.62220405650552	0.00924963055737187	0.0256684260321066	0.0401476181208607
SARC	PHC1	cg09912793	-0.392494814173909	265	-6.89417635633303	4.06505206277607e-11	0.154052179153411	1.72336054589429e-09
SARC	PHC1	cg12581035	0.0770867969961019	265	1.24909213522365	0.212750473283654	0.00594237427111823	0.399033447901935
SARC	PHC1	cg14199415	0.0662130160413729	265	1.07205662844428	0.284684866468671	0.00438416349329511	0.481965017128328
SARC	PHC2	cg06899053	0.00879305562098119	265	0.142061653087182	0.887140904539924	7.7317827153669e-05	0.940043580796813
SARC	PHC2	cg13640100	-0.0206053872674637	265	-0.332960911157015	0.739431085163554	0.000424581984442157	0.853220929399924
SARC	PHC2	cg15586632	0.0200142446728676	265	0.323404797777237	0.746647666311607	0.000400569989825408	0.857729088954013
SARC	PHC2	cg16558908	-0.0874914792170567	265	-1.41890924115852	0.157118539018256	0.00765475893558866	0.325821816505469
SARC	PHC2	cg17161743	-0.0492611041484309	265	-0.796804866296077	0.426288581359691	0.00242665638192255	0.620875072903203
SARC	PHC2	cg19746874	0.0763289219064147	265	1.23673942124148	0.217295513216121	0.00582610431939555	0.404767070256804
SARC	PHC2	cg21198021	0.0853104995979495	265	1.38327615226601	0.167762284792896	0.00727788134165174	0.340683386842918
SARC	PHC2	cg21578869	0.0607293168574997	265	0.982926354715868	0.32655395268116	0.00368804992597859	0.526015906302477
SARC	PHC2	cg23886755	-0.102036655159409	261	-1.64435449886783	0.101325627408238	0.0104114789961202	0.240526237599062
SARC	PHF1	cg01097444	-0.0730972521236802	265	-1.18408990541994	0.237454700729556	0.00534320826803286	0.428925882660856
SARC	PHF1	cg02776641	-0.154283503494084	265	-2.52273190943594	0.0122396909258651	0.0238033994504089	0.0499462083448779
SARC	PHF1	cg03560363	-0.0638493047547186	265	-1.03362614777465	0.302267751126713	0.00407673371766094	0.500686183484739
SARC	PHF1	cg03876174	-0.0812992694779329	265	-1.31779213508349	0.188728736262577	0.00660957121764555	0.36844738697565
SARC	PHF1	cg06618123	-0.0290198090883464	265	-0.469026900777299	0.639441943660255	0.000842149319524073	0.788160446250588
SARC	PHF1	cg06919790	-0.00280175029692862	265	-0.0452638389486931	0.963931622132735	7.84980472633962e-06	0.981044476002381
SARC	PHF1	cg07857404	-0.108144243853504	242	-1.67821048316254	0.0946185661207087	0.0116951774786461	0.228929080732573
SARC	PHF1	cg08665801	-0.0633003909153918	265	-1.02470413669764	0.306451587669623	0.00400693949004142	0.504883517464806
SARC	PHF1	cg08798692	-0.0713649713287356	265	-1.15588358739252	0.248785763439718	0.00509295913275126	0.442201597784835
SARC	PHF1	cg10033570	-0.00417335412481271	265	-0.0674231864354402	0.946296431532464	1.74168846510913e-05	0.971369178933266
SARC	PHF1	cg10797813	-0.127121207263447	265	-2.07050355571803	0.0393885312732025	0.0161598013361162	0.121119071973893
SARC	PHF1	cg13303256	0.154995901931386	265	2.5346665884371	0.0118403724224899	0.0240237296155238	0.0486715948340915
SARC	PHF1	cg13528777	-0.191309091141264	265	-3.14885276125565	0.00182968463890872	0.0365991683532964	0.011053381094655
SARC	PHF1	cg13547657	-0.0656499934876129	265	-1.06290108706773	0.288809251797214	0.00430992164492361	0.486322797772948
SARC	PHF1	cg18443095	-0.00335924246486036	265	-0.0542705291102197	0.956761146864027	1.12845099377211e-05	0.977147164395112
SARC	PHF1	cg20135607	-0.0849317752027401	265	-1.37709056672852	0.169664166535559	0.00721340643908877	0.343237483004819
SARC	PHF1	cg20872639	0.0491555387576	265	0.795093191852179	0.427281731977382	0.00241626699054992	0.621667789886635
SARC	PHF1	cg23345642	-0.00588953474743343	265	-0.0951499959869883	0.924268697785806	3.46866195412257e-05	0.960126604583895
SARC	PHF1	cg23718418	-0.223525965310666	264	-3.69780997119175	0.000265282776653592	0.0499638571680652	0.00220226318717208
SARC	PHF1	cg24796663	-0.276778846197945	263	-4.635423060992	5.65160001071591e-06	0.0766065297026659	7.93324740587575e-05
SARC	PHF1	cg26673053	-0.0639780341517896	265	-1.03571864336464	0.301292067738956	0.00409318885392756	0.499663499918659
SARC	PHF10	cg04353997	0.103180903132047	265	1.67588335347568	0.094958505526716	0.0106462987711449	0.229482325771612
SARC	PHF10	cg05243705	0.0287399505552722	265	0.464499895450686	0.642676801810982	0.00082598475791949	0.790169568695708
SARC	PHF10	cg05736120	0.101057943712415	265	1.64104229367391	0.101993101641054	0.0102127079873815	0.241646150420715
SARC	PHF10	cg07652237	0.0362818356385698	265	0.586537170823557	0.558021531478986	0.00131637159730419	0.72916755552793
SARC	PHF10	cg11442717	0.049679792837705	265	0.803593896423321	0.422362799201368	0.00246808181639728	0.617420967004363
SARC	PHF10	cg15342139	0.0236602276342902	265	0.382349711439194	0.702513141547235	0.000559806371706429	0.829788816689175
SARC	PHF10	cg15360169	-0.194179737289992	265	-3.19793934355693	0.00155489470441003	0.0377057703740103	0.00968234040141468
SARC	PHF10	cg16740543	0.040165388214293	265	0.649415754385312	0.516640771992	0.00161325841040487	0.697709438700557
SARC	PHF10	cg27124293	-0.30540537911149	265	-5.18153610744054	4.40815225352015e-07	0.0932724455902327	8.23949534863879e-06
SARC	PHF11	cg00092518	-0.326405017477	264	-5.5680868445932	6.41341120350982e-08	0.106540235434161	1.46012558140428e-06
SARC	PHF11	cg01214340	-0.27797662793651	265	-4.67510589320745	4.7151635677269e-06	0.0772710056789527	6.76274768782719e-05
SARC	PHF11	cg02289189	-0.263318919040124	265	-4.40966968390441	1.51447545337467e-05	0.0693368531244592	0.000188026018863436
SARC	PHF11	cg05080330	-0.237624693848012	264	-3.94456712510185	0.000102890210492416	0.0564654951263613	0.000987933971247468
SARC	PHF11	cg09997676	-0.291442888137808	265	-4.92208016236401	1.5192067693522e-06	0.0849389570461066	2.47168298178858e-05
SARC	PHF11	cg16956501	-0.296930763776259	264	-5.01400111000963	9.87630545219894e-07	0.0881678784767526	1.69195619103362e-05
SARC	PHF11	cg21320768	-0.275212658876423	264	-4.6159221196339	6.15442593446011e-06	0.0757420076058304	8.53892297387889e-05
SARC	PHF11	cg23137039	-0.0267520108879258	265	-0.432346699151036	0.665846444725336	0.000715670086547702	0.806069904215562
SARC	PHF11	cg24481868	-0.317328013690961	264	-5.39562903026539	1.53669004203725e-07	0.100697068273051	3.19810768138699e-06

SARC	PHF11	cg24984523	-0.323755885491893	265	-5.52818062583659	7.8398704784128e-08	0.104817873390639	1.74654892324641e-06
SARC	PHF11	cg25162948	-0.355138200373936	265	-6.13751439697912	3.09946459548592e-09	0.126123141364838	9.31323865358175e-08
SARC	PHF12	cg01406758	-0.0275770008729719	265	-0.445689587449906	0.65619095784031	0.000760490977147895	0.799619664383288
SARC	PHF12	cg02058367	-0.23935470764831	265	-3.98266086031066	8.84287300625352e-05	0.0572906760734078	0.000865746869680954
SARC	PHF12	cg06895197	0.164161010091704	265	2.68857670483427	0.00763758138932695	0.0269488372343286	0.0346872559169421
SARC	PHF12	cg08657247	-0.19438618321381	265	-3.20147273613387	0.00153666919820227	0.0377859882244328	0.00958726791281961
SARC	PHF12	cg08806622	-0.0819179879618119	265	-1.32788853300859	0.185375055764914	0.00671055675171155	0.364048849826464
SARC	PHF12	cg13564075	-0.223845606750422	265	-3.71049159595205	0.000252788653735597	0.0501068556614647	0.00211274608172615
SARC	PHF14	cg06715026	-0.226377497075794	265	-3.75471410455699	0.000213981569787705	0.0512467711823011	0.0018357391089617
SARC	PHF14	cg07287563	-0.188708303646221	265	-3.10445308150473	0.00211622211645734	0.0356108238650344	0.0124333043824245
SARC	PHF14	cg07574654	-0.0813001154707942	265	-1.31780593914991	0.188724120500523	0.00660970877556447	0.36844738697565
SARC	PHF14	cg11931558	-0.380551515366341	265	-6.64821113497152	1.72613458944129e-10	0.144819455847618	6.58572409274132e-09
SARC	PHF14	cg13029706	-0.312164872224567	265	-5.30845212369882	2.36521076097111e-07	0.0974469074509802	4.69745228335426e-06
SARC	PHF14	cg16800461	-0.219600728333134	265	-3.63652656628875	0.000332890994974189	0.0482244798844428	0.0026651149596606
SARC	PHF14	cg20819769	-0.0116042079455798	265	-0.187484340254188	0.851426567570672	0.000134657642044257	0.920774009836559
SARC	PHF14	cg20964328	-0.00710051024459484	265	-0.114715145492961	0.908759109040199	5.04172457335963e-05	0.951546381192522
SARC	PHF14	cg22876561	-0.312311315563088	265	-5.3112115178481	2.33311925181377e-07	0.0975383578287466	4.6420122525729e-06
SARC	PHF14	cg23083824	-0.26340368501181	265	-4.41119503089366	1.50458198743338e-05	0.0693815012778007	0.000186946895272948
SARC	PHF14	cg24491907	-0.00275845964555633	265	-0.0445644489634402	0.964488556154227	7.60909961616274e-06	0.98136735818591
SARC	PHF19	cg11054680	-0.129135907404735	217	-1.90059034603466	0.0587060047138983	0.0166760825812444	0.162056951471107
SARC	PHF19	cg11594303	-0.079839055737343	265	-1.29397007300577	0.196819589881126	0.00637427482103056	0.378958750585906
SARC	PHF19	cg13501527	0.183008051196147	265	3.0073758749539	0.00289234342166895	0.0334919468026114	0.0159851202523193
SARC	PHF19	cg13793166	-0.232223350598391	186	-3.22091611204924	0.00151371221956773	0.0539276845631432	0.00946986155279872
SARC	PHF19	cg13851767	-0.355266319000426	265	-6.14004830644326	3.05657646845811e-09	0.126214157416113	9.195023580326e-08
SARC	PHF19	cg13852822	-0.364144158449808	265	-6.31661103354431	1.14629415840152e-09	0.132600968133119	3.75631035209301e-08
SARC	PHF19	cg14218513	-0.140896064878446	265	-2.29918131920999	0.0222847553394429	0.0198517010982311	0.0789660315603818
SARC	PHF19	cg27207079	-0.396573255501095	265	-6.97910188278164	2.44770839571856e-11	0.157270346978737	1.08007389073471e-09
SARC	PHF20	cg01512265	-0.0647221935239529	265	-1.04781597036678	0.295692739538206	0.00418896233455201	0.493608020677979
SARC	PHF20	cg02674305	0.00416869193490717	265	0.0670893304634925	0.946562347957112	1.73779924481601e-05	0.97151064821961
SARC	PHF20	cg02957488	-0.0456678935771794	265	-0.73855795406387	0.460839066172975	0.00208555650377659	0.65056189438475
SARC	PHF20	cg04179482	-0.0505478208771035	265	-0.817670313742618	0.414291275179709	0.00255508219542374	0.609863009411434
SARC	PHF20	cg09692677	-0.0340167171947726	245	-0.528387257048306	0.597716806212316	0.00115713704870914	0.758466394283322
SARC	PHF20	cg10372813	-0.277211516042452	265	-4.66116521276474	5.01973388935051e-06	0.0768462246265545	7.1468736857272e-05
SARC	PHF20	cg21765224	0.00506227783581891	265	0.0817846492764536	0.934880645467499	2.56266568870233e-05	0.965357521217693
SARC	PHF20	cg23538717	-0.107132896386185	265	-1.74080374102355	0.0828964295003845	0.011477457488093	0.208195152108246
SARC	PHF20	cg23734815	0.0267840677961818	265	0.432865151482134	0.665470214946767	0.000717386287710463	0.805836605429406
SARC	PHF20	cg25561939	-0.0939263760216327	265	-1.5241651555125	0.12867820353579	0.00882216411255713	0.284055281231044
SARC	PHF20	cg27405321	0.127872962787987	236	1.96382485366495	0.0507446615026644	0.0163514946121779	0.145895121477503
SARC	PHF20L1	cg02898212	0.176116354025867	265	2.8904259935023	0.00417075332292581	0.0310169701553644	0.0214660657627318
SARC	PHF20L1	cg05307234	-0.224359919584668	265	-3.71946825043908	0.000244410507543644	0.0503373735160388	0.00205397764112026
SARC	PHF20L1	cg10591701	-0.257658007533422	262	-4.2832182351111	2.60136541383501e-05	0.0663876488460928	0.000301191577621492
SARC	PHF20L1	cg17646969	-0.19065919124091	265	-3.13775150233667	0.0018977567134864	0.0363509272046379	0.0113959155360063
SARC	PHF20L1	cg24511731	-0.126333774305711	265	-2.0574694613908	0.0406345120209515	0.0159602225303263	0.123747621530652
SARC	PHF20L1	cg26292018	0.335712228794827	265	5.75775041291414	2.38840948877361e-08	0.11270270056239	6.03651487230845e-07
SARC	PHF20L1	cg27342122	-0.0857209207886	265	-1.38998011352434	0.165719250220885	0.00734807626084544	0.337875127153882
SARC	PHF21B	cg01775414	-0.171164664462595	265	-2.80666938502267	0.00538304639969877	0.0292973423605929	0.0263128313929102
SARC	PHF21B	cg01995480	-0.152513029616471	265	-2.49308889942535	0.0132838843576862	0.0232602242027947	0.0532025586759597
SARC	PHF21B	cg05064352	-0.0640230949915555	265	-1.03645111931025	0.300951029750385	0.00409895669229774	0.499289509893187
SARC	PHF21B	cg10080155	-0.0662090237436684	265	-1.0719917044388	0.28471397161295	0.00438363482508964	0.481976930579221
SARC	PHF21B	cg11428482	-0.0728068722503222	265	-1.17936097413486	0.239328383904168	0.00530084064687474	0.431199043435103
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SARC	PHF21B	cg15679813	-0.119398767685632	265	-1.94284449651873	0.0531102569483491	0.0142560657248475	0.150773978361488
SARC	PHF21B	cg20495645	-0.123377397570032	265	-2.00856867893585	0.0456128897255806	0.0152219822311538	0.134919904457445
SARC	PHF21B	cg20525183	-0.0837912588066688	265	-1.35846649395591	0.175488675734953	0.00702097505240616	0.351180767768257
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SARC	PHF21B	cg23080354	-0.0816741169693075	265	-1.32390880326455	0.186691655090694	0.00667066138271612	0.365724301046795
SARC	PHF21B	cg25561581	-0.0652144129731163	265	-1.0558186330996	0.292027404452334	0.00425291965942816	0.489769966626385

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SARC	PHF23	cg00039960	0.0754429153900319	265	1.2223010070305	0.222696493877424	0.00569163348254751	0.411380121214359
SARC	PHF23	cg01441172	0.112554322319473	265	1.82999932364752	0.0683905253861447	0.0126684754727958	0.181275520300475
SARC	PHF23	cg04379155	-0.098662815642898	265	-1.60176168841099	0.110417892308517	0.00973435119058448	0.255695943152015
SARC	PHF23	cg11180288	0.231063088036218	265	3.83676603963686	0.000156417932723224	0.0533901506528332	0.00141098987224844
SARC	PHF23	cg13351208	0.138603812141745	265	2.26103684447984	0.0245806438751809	0.0192110167402243	0.0851164697598961
SARC	PHF23	cg22033559	0.00153311475584949	265	0.0247682559936754	0.98025873734124	2.35044085460345e-06	0.989801346921421
SARC	PHF23	cg26213471	-0.185328669793243	265	-3.04685826021453	0.00254959907944944	0.0343467158473329	0.014471290733014
SARC	PHF23	cg26784276	0.116202331434582	265	1.89011055289647	0.0598511133264008	0.0135029818308325	0.164354905900659
SARC	PHIP	cg01492710	0.180602869674357	265	2.96650963892477	0.00329122421401429	0.032617396534613	0.0177262182570637
SARC	PHIP	cg04480383	-0.270461427739883	265	-4.53858756074717	8.64967857427038e-06	0.0731493838950959	0.000115063798735771
SARC	PHIP	cg05801338	-0.294348270928801	265	-4.97577763503748	1.18064781933737e-06	0.0866409045987746	1.98203099822036e-05
SARC	PHIP	cg06848288	0.0804679721804594	265	1.30422923697048	0.193304415864363	0.00647509454683518	0.374294248216318
SARC	PHIP	cg08287994	-0.308302662524324	265	-5.23582791714144	3.38212768793233e-07	0.0950505317195871	6.48531529097874e-06
SARC	PHIP	cg08587415	-0.307176709080241	265	-5.214709824278	3.75020180356986e-07	0.0943575306013668	7.11221840826215e-06
SARC	PHIP	cg15564972	-0.140449052602699	265	-2.29173982404108	0.0227173345091704	0.0197259363769956	0.0801702195974598
SARC	PHIP	cg19494004	-0.237394586615899	265	-3.94808975514273	0.000101378282126838	0.0563561897545334	0.000974860578464184
SARC	PHIP	cg19950079	-0.0449497215360864	265	-0.726919709281952	0.467926618049417	0.00202047746617171	0.656931410606663
SARC	PHIP	cg21607066	0.0262754098986498	265	0.424638848075387	0.671449801472119	0.000690397165342061	0.809713647531211
SARC	PHIP	cg21875336	-0.294430055671969	265	-4.9772913614292	1.17225096314811e-06	0.086689057682999	1.97028338247661e-05
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SARC	PHRF1	cg07530960	-0.251721074989271	265	-4.201983012979	3.63596508120934e-05	0.0633634995937541	0.000402871766881639
SARC	PHRF1	cg08482978	-0.297791026390958	265	-5.03960257669401	8.72572504842634e-07	0.0886794953989803	1.51756998528343e-05
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SARC	PHRF1	cg12813709	-0.159464727622633	265	-2.60962525637312	0.00958751207187662	0.0254289993557605	0.0412117866128616
SARC	PHRF1	cg15219216	0.321838968481779	265	5.49165429860586	9.44108420483552e-08	0.103580321633416	2.06019552491157e-06
SARC	PHRF1	cg16143007	-0.190377739042736	265	-3.13294520891759	0.00192794798930867	0.036243683523024	0.0115390210821956
SARC	PHRF1	cg18793109	-0.258458003120085	265	-4.32238053428785	2.19719553116773e-05	0.0668005393768219	0.000260007041605814
SARC	PHRF1	cg20152424	0.0821647057767165	265	1.33191496439282	0.184050047799512	0.00675103887537439	0.362416519060298
SARC	PHRF1	cg21006161	-0.223905072179076	265	-3.71152931982381	0.000251806450260319	0.0501334813475171	0.0021052155821119
SARC	PPARGC	cg04893087	-0.0967667505049464	265	-1.57068579085969	0.117467130224993	0.00936380400328654	0.266879995581995
SARC	PPARGC	cg05158538	-0.138922425552291	262	-2.25327396515066	0.0250820479047038	0.0192994403213318	0.086437177048752
SARC	PPARGC	cg11270806	-0.133271290104185	265	-2.17244265254031	0.030722427100928	0.0177612367660337	0.100429468606168
SARC	PPARGC	cg12691631	-0.123556441614245	265	-2.01152864842408	0.0452974921244618	0.0152661942643743	0.134258128636811
SARC	PPARGC	cg20723350	-0.105432302632283	265	-1.71285761852353	0.0879262984521414	0.0111159704383453	0.217257605824733
SARC	PPARGC	cg27461259	-0.143586642723095	265	-2.34400234401955	0.0198285458037949	0.0206171239684896	0.0723315151580427
SARC	PPARGC	cg27514608	-0.176190762046172	265	-2.89168629530722	0.00415458564137015	0.0310431846304109	0.0213984266012149
SARC	PRDM1	cg00555933	-0.15528260055169	265	-2.53947073943574	0.0116829400448121	0.0241126860340957	0.04813815441661
SARC	PRDM1	cg01761420	-0.0484572328691229	265	-0.783771284118369	0.433885006969989	0.00234810341733241	0.627449581415063
SARC	PRDM1	cg05170275	-0.0656807438958197	265	-1.06340110570326	0.288582963327982	0.00431396011870826	0.486120632478824
SARC	PRDM1	cg08742502	-0.109871994433525	265	-1.78584837383516	0.0752847170761872	0.0120718551608006	0.19442840053736
SARC	PRDM1	cg14359052	-0.115753694057339	265	-1.88271385874802	0.0608513769286138	0.01339891768792	0.166305006737558
SARC	PRDM1	cg17143179	-0.108047017052952	265	-1.75583199903366	0.0802900739319489	0.0116741578940408	0.203549067209135
SARC	PRDM1	cg17521665	-0.0931832731787931	265	-1.51200060534165	0.1317435450331	0.00868312240031357	0.288740497684706
SARC	PRDM1	cg17965230	-0.0762453661582579	265	-1.23537766656602	0.217800821491432	0.00581335586060682	0.405352220536094
SARC	PRDM1	cg19464016	-0.151390432318694	265	-2.47430602548083	0.0139858284967144	0.0229190629976411	0.0553161595441252
SARC	PRDM1	cg22186515	-0.144873094026713	265	-2.36545139589193	0.0187396397568769	0.0209882133728727	0.0692326321530363
SARC	PRDM1	cg22196848	-0.0543782452194935	265	-0.879809195383638	0.379772025917621	0.00295699355315137	0.578246848691527
SARC	PRDM1	cg24040346	-0.126474466023044	265	-2.05979798998004	0.0404094844559885	0.0159957905558142	0.123308050277288
SARC	PRDM1	cg24793124	-0.138680120213449	265	-2.26230605712602	0.0245010562003773	0.0192321757424167	0.0849126906068584
SARC	PRDM1	cg24874254	-0.133430510864477	265	-2.17508511254307	0.0305216382683435	0.0178037012295552	0.0999747506293689
SARC	PRDM1	cg26351406	-0.0595884875466482	265	-0.964395182089011	0.335740523995342	0.00355078784809705	0.535293962734278
SARC	PRDM10	cg04181189	-0.0605609530375334	265	-0.980191279109257	0.32789939880839	0.00366762903281433	0.527407803640985
SARC	PRDM10	cg17627813	0.0435880521266004	265	0.704856436129507	0.481528088698912	0.00189991828819123	0.668752945095717
SARC	PRDM12	cg09191327	0.225977390111559	265	3.74772044778611	0.000219719367657132	0.0510657808416318	0.00187916100346515
SARC	PRDM12	cg12539975	0.18239202598707	265	2.99690375449063	0.00299009434667811	0.0332668511436678	0.0164157656743456

SARC	PRDM12	cg13795948	0.260922039953793	265	4.36658355939136	1.82115273223461e-05	0.068080310933649	0.000220986984326094
SARC	PRDM12	cg13928649	0.0786617946503579	265	1.27477023838801	0.203524261622672	0.00618767793761507	0.387358635615313
SARC	PRDM12	cg23342516	0.17242381436293	265	2.82794653147667	0.0050479823252245	0.0297299717594622	0.0249715590110972
SARC	PRDM13	cg00126261	0.358649452808393	265	6.20710343228987	2.11087166742551e-09	0.128629429999759	6.57378504786628e-08
SARC	PRDM13	cg00579292	0.313317277860905	265	5.33017796267968	2.12371171344313e-07	0.0981677166061677	4.27235658224967e-06
SARC	PRDM13	cg01422797	0.3172022490233	265	5.40361301194729	1.4721289204573e-07	0.10061726678544	3.07495982504698e-06
SARC	PRDM13	cg01815538	0.146750747921959	264	2.39218367970988	0.0174591494107456	0.0215357820156544	0.0655985061221708
SARC	PRDM13	cg02400433	0.149041658183821	265	2.4350388259948	0.0155605557974992	0.0222134158741829	0.0600783104725123
SARC	PRDM13	cg03120185	0.32294140243633	264	5.50208085444351	8.98200375434024e-08	0.104291149407543	1.96719031549872e-06
SARC	PRDM13	cg04910970	0.216569102803321	265	3.58383504600792	0.00040392505290269	0.0469021762890352	0.00312852902882436
SARC	PRDM13	cg11809464	0.249668984091679	265	4.16544018804466	4.22723065220928e-05	0.062334601617371	0.000458971641811541
SARC	PRDM13	cg13738144	0.131096175522477	265	2.13636106545871	0.0335803159877302	0.01718620723662	0.107350411665125
SARC	PRDM13	cg14344102	0.323900342785085	265	5.53093629238526	7.73043078720712e-08	0.104911432056295	1.72463760441638e-06
SARC	PRDM13	cg17879189	0.209052794431326	264	3.44703958351111	0.00066081948021307	0.0437030708595463	0.00475030406982957
SARC	PRDM13	cg17978124	0.332463950192287	265	5.69507854479639	3.31546247792741e-08	0.11053227817746	8.07523757069146e-07
SARC	PRDM13	cg25273233	0.177393453083038	264	2.9064802253429	0.00397026469118264	0.0314684371967239	0.0206431473991353
SARC	PRDM13	cg25924096	0.290589208787349	265	4.906330798206	1.63516084255624e-06	0.0844420882636576	2.64300780611053e-05
SARC	PRDM13	cg26507427	0.18335349518177	265	3.01324985293054	0.00283880627166687	0.0336185041953715	0.0157473882534796
SARC	PRDM14	cg00384539	-0.021518517986333	265	-0.347722812542616	0.728328620926773	0.000463046616328137	0.846398325959448
SARC	PRDM14	cg01295203	0.133746929278032	265	2.18033696586365	0.0301259366905902	0.0178882410913029	0.0990163132750761
SARC	PRDM14	cg04838988	0.244536983508629	265	4.07431212755233	6.12743891620335e-05	0.0597983363034995	0.000634048926638898
SARC	PRDM14	cg09050331	0.124175500069853	265	2.02176450827614	0.0442210317041068	0.0154195548175981	0.131896746430078
SARC	PRDM14	cg10457247	0.0388903105865921	265	0.628767867602565	0.530050922624873	0.0015124562575216	0.708082503415958
SARC	PRDM14	cg11229513	0.27919670890382	265	4.69735627806342	4.26559554577084e-06	0.0779508022627242	6.18523280312575e-05
SARC	PRDM14	cg13267264	0.00359442598380157	265	0.0580701040605809	0.95373722139425	1.29198981530279e-05	0.975518800388449
SARC	PRDM14	cg18035229	0.190244841363451	265	3.13067602499819	0.00194235573033087	0.0361930996654046	0.0116072838904102
SARC	PRDM14	cg21255438	0.0186269245167816	265	0.300979393902581	0.763669838241211	0.000346962316953878	0.868691330420634
SARC	PRDM14	cg27029821	-0.0173217896417309	265	-0.279884067898915	0.77978813752838	0.000300044396392375	0.878307862068639
SARC	PRDM4	cg00090609	0.0231273910185813	265	0.373734400772123	0.708905332105737	0.000534876215326354	0.834181624931309
SARC	PRDM4	cg03909902	-0.0101791259098299	265	-0.164457332162431	0.869498424082868	0.00010361460428817	0.930768791753507
SARC	PRDM4	cg12900929	-0.133065157358946	265	-2.16902188606635	0.0309840494570992	0.0177063361029611	0.101080816215113
SARC	PRDM4	cg18440127	0.00122651771768256	265	0.0198150150500953	0.984206079407549	1.50434571178924e-06	0.991740317622772
SARC	PRDM4	cg25995916	-0.00025961027713231	265	-0.0041941325252870	0.996656780104953	6.73974959927151e-08	0.998316892964834
SARC	PRDM4	cg27140793	0.0424928358223046	265	0.687113392447431	0.492621346132924	0.00180564109622133	0.678054901910237
SARC	PRDM5	cg05713693	-0.0549699259919666	265	-0.889411112916782	0.374601193109151	0.00302169276356228	0.573257714247915
SARC	PRDM5	cg06329345	-0.163437562370662	265	-2.67640239054664	0.00791280973615697	0.0267118367936642	0.0356293986580191
SARC	PRDM5	cg07070341	-0.0854764769114511	265	-1.38598719731857	0.166933813373423	0.00730622810519384	0.339574587062617
SARC	PRDM5	cg10416963	-0.1816164129781	265	-2.98372391132383	0.00311742672951796	0.0329845214630317	0.0169818006439409
SARC	PRDM5	cg11171429	-0.168173411003097	265	-2.75617969527358	0.00626040177195785	0.0282822961684164	0.0296656938202893
SARC	PRDM5	cg13155001	-0.163153820424245	265	-2.67162874009367	0.00802314526768319	0.0266191691190267	0.0360094941991661
SARC	PRDM5	cg18181323	-0.0597560764569523	265	-0.967117189563971	0.33438074033614	0.00357078867352913	0.533935739931232
SARC	PRDM5	cg19294653	-0.136714764513934	265	-2.22962982544822	0.0266231019247306	0.0186909268361003	0.0903077348536013
SARC	PRDM5	cg22135105	-0.15967792375	265	-2.61320541339465	0.00949023544868979	0.0254970393331108	0.0408862699504554
SARC	PRDM8	cg01304890	-0.0962410194905279	265	-1.56207230051363	0.119482625988336	0.00926233383257617	0.269961122422718
SARC	PRDM8	cg02895669	-0.206369416861241	265	-3.4073459785557	0.000759561295310781	0.0425883362156487	0.00533248907205188
SARC	PRDM8	cg04343891	-0.0906434795834886	265	-1.47044344648449	0.142646185752807	0.00821624039100232	0.305206891676169
SARC	PRDM8	cg05007549	0.0112358853144993	265	0.181532741690871	0.856090334197607	0.000126245118800581	0.923417146759222
SARC	PRDM8	cg07462804	0.0166664676801579	265	0.269292429062043	0.787917423010386	0.000277771144933747	0.883178652301341
SARC	PRDM8	cg08074201	-0.0692106177922291	265	-1.12081939592049	0.263394964582466	0.00479010961518201	0.458822362227734
SARC	PRDM8	cg10695325	-0.0927102770128924	265	-1.50425901458016	0.133723792084939	0.00859519546380725	0.291798510040552
SARC	PRDM8	cg11571772	0.0018360008875143	265	0.0296615520890233	0.976359643509726	3.37089925895331e-06	0.987530515994431
SARC	PRDM8	cg12572049	-0.0635458583938393	264	-1.02672126468406	0.305505979509705	0.00403807611900988	0.50401942931624
SARC	PRDM8	cg14489346	0.0239551798252484	265	0.387118864174164	0.698983677924855	0.00057385064045999	0.827349769345842
SARC	PRDM8	cg15656813	-0.237711538566565	265	-3.95367643146031	9.91702409937306e-05	0.0565067755676836	0.000957058643824126
SARC	PRDM8	cg16117799	-0.0234934318059512	265	-0.379652793977347	0.704511889906466	0.000551941338020878	0.831338136143307
SARC	PRDM8	cg18624348	-0.0026496522056828	265	-0.0428065916930264	0.965888438800226	7.0206568110797e-06	0.982059587364562
SARC	PRDM8	cg19595012	-0.0994018549757243	265	-1.61387905719634	0.10776197975537	0.00988072877261492	0.251356304062401

SARC	PRDM8	cg20142271	-0.136710038177225	265	-2.22955127733433	0.0266283895293519	0.0186896345384183	0.0903217325069285
SARC	PRDM8	cg26162932	-0.110409065160777	265	-1.79468532947161	0.0738609165797231	0.0121901616696767	0.191703738177793
SARC	PRKAA1	cg00301775	-0.140921801485002	265	-2.29960980483985	0.0222600679929862	0.0198589541337784	0.0788893321236559
SARC	PRKAA1	cg01883943	-0.212830495114405	265	-3.49872270742436	0.000550456436488724	0.045296819650643	0.00406823180887362
SARC	PRKAA1	cg03125217	0.151030129168146	265	2.46827965029202	0.0142179194555241	0.0228100999165469	0.0559921446857872
SARC	PRKAA1	cg05874655	0.0923414289905191	265	1.49822274336563	0.13528383840786	0.00852693950801108	0.29408083731805
SARC	PRKAA1	cg06971720	-0.123894054342737	265	-2.01711063022487	0.0447077374391536	0.0153497367014811	0.132942958408352
SARC	PRKAA1	cg10786880	-0.0333578742086224	265	-0.53921303824435	0.590199526961597	0.00111274777171828	0.753206830940164
SARC	PRKAA1	cg24728477	-0.0535656389156901	265	-0.866623565624107	0.386944283697968	0.00286927767244609	0.584867171951498
SARC	PRKCD	cg02121118	-0.0218352554847713	265	-0.352843472272397	0.724490574875557	0.000476778382085236	0.843942616861613
SARC	PRKCD	cg02559423	-0.116056353433042	265	-1.88770368194542	0.0601750811380469	0.0134690771721752	0.165024862059901
SARC	PRKCD	cg02630105	-0.0198928268055531	265	-0.321442060035066	0.748132679659398	0.000395724558315733	0.85870182630425
SARC	PRKCD	cg10531918	-0.0925271725099932	265	-1.50126239507272	0.134496495907757	0.00856127765269405	0.292908352576703
SARC	PRKCD	cg13469346	-0.0717897847045304	265	-1.16279974004556	0.245972821688707	0.00515377318792283	0.438981640065412
SARC	PRKCD	cg13889007	-0.0479987295082148	265	-0.776338016536514	0.438252383954579	0.00230387803440277	0.630973774496373
SARC	PRKCD	cg13908523	-0.0359994633434546	265	-0.581966354430025	0.56109167713371	0.00129596136101673	0.731586590460064
SARC	PRKCD	cg14727059	-0.0348880836112996	264	-0.562896121637601	0.573990678758758	0.00121717837806903	0.741270454759847
SARC	PRKCD	cg21903826	-0.0769350238381893	265	-1.24661818919918	0.213655159860586	0.00591899789298276	0.400170687521233
SARC	PRMT1	cg07702240	0.256148962901781	265	4.28104011166237	2.6153209094947e-05	0.0656122911956582	0.000302627212305862
SARC	PRMT1	cg08377944	0.00274371517241506	265	0.044326242005561	0.964678247676312	7.5279729473406e-06	0.98144923832487
SARC	PRMT1	cg11787855	-0.122558813096242	265	-1.99503831173856	0.0470784071618986	0.0150206626675595	0.138068974091561
SARC	PRMT1	cg14258555	-0.00022174148804052	265	-0.0035823434611031	0.997144446106375	4.91692875184282e-08	0.99853068816002
SARC	PRMT1	cg14576628	-0.09616518448612	265	-1.56082994137004	0.119775564619173	0.0092477427072495	0.270387038844501
SARC	PRMT1	cg18880319	-0.159529227390668	265	-2.610708347645	0.00955798943154583	0.0254495743918636	0.0411137623311333
SARC	PRMT1	cg22292364	0.0475570563731064	265	0.769178066167526	0.442483111081657	0.00226167361087482	0.634856073172506
SARC	PRMT1	cg24228123	-0.0352226798986599	265	-0.569393123366775	0.569579083769856	0.00124063717924346	0.737784062785843
SARC	PRMT1	cg25595446	-0.144306809417609	265	-2.35600820830587	0.0192123878342639	0.0208244552442902	0.0705370002916007
SARC	PRMT1	cg26846726	0.0655490466692797	265	1.06125965737276	0.289552942597152	0.0042966775192514	0.4870374403546656
SARC	PRMT2	cg04493422	-0.0316785819261893	265	-0.512040142552618	0.609055900226442	0.00100353255285429	0.7666811440488
SARC	PRMT2	cg06725035	-0.307136482055556	261	-5.1738478369566	4.62226296096491e-07	0.0943328186094628	8.60455431407764e-06
SARC	PRMT2	cg09031657	-0.175956067914491	265	-2.88771128678337	0.004205773902941	0.0309605378359289	0.021611993857282
SARC	PRMT2	cg10187059	-0.171953838440821	265	-2.82000320185832	0.00517078696959311	0.0295681225545319	0.0254617268852035
SARC	PRMT2	cg10657630	-0.0309828198051329	265	-0.500783189917828	0.616945759839681	0.000959935123077337	0.772450685480632
SARC	PRMT2	cg12162201	-0.191355259815468	265	-3.14964155435883	0.00182493473469712	0.0366168354590451	0.0110335721419933
SARC	PRMT2	cg13271076	0.150799684238899	264	2.45970013874385	0.0145567502438034	0.0227405447665517	0.0570262779971016
SARC	PRMT2	cg17243659	-0.208871670946499	265	-3.45053332756015	0.00065232318761741	0.0436273749239827	0.00469747570651752
SARC	PRMT2	cg23283320	-0.206326668726501	261	-3.38040370982137	0.000836375965553286	0.0425706942277754	0.0057825303825322
SARC	PRMT3	cg01769160	-0.0419966232223505	265	-0.679075324599682	0.497691871098954	0.00176371636208007	0.682053366808865
SARC	PRMT3	cg04101203	0.0605096192015235	264	0.977479411928625	0.329240472677507	0.00366141401591338	0.528915753513838
SARC	PRMT3	cg06578097	-0.170100074931736	265	-2.7886909823787	0.00568176942356268	0.0289340354917821	0.0274730969397754
SARC	PRMT3	cg13432154	-0.221674043793247	265	-3.67262568447713	0.000291202654606436	0.0491393816916503	0.00238471360729395
SARC	PRMT3	cg13982511	-0.125008327558512	265	-2.03553873035177	0.0428067919315532	0.0156270819589763	0.128680071545394
SARC	PRMT3	cg19653624	0.022898925983021	263	0.368619994857775	0.712712117739122	0.000524360811175874	0.836505756872285
SARC	PRMT3	cg23019633	-0.302203053322292	265	-5.12171271506365	5.88847950284047e-07	0.091326685437316	1.06905104887741e-05
SARC	PRMT3	cg23071995	-0.0486228428471648	265	-0.786456278928811	0.432313693991037	0.00236418084654008	0.626079425433665
SARC	PRMT6	cg00944433	-0.0586365044307234	265	-0.948934456902936	0.343531759217499	0.00343823965185424	0.542931346658394
SARC	PRMT6	cg02990361	-0.123666844084971	265	-2.01335392971393	0.0451039235826453	0.0152934883259366	0.133806758616036
SARC	PRMT6	cg02993280	-0.114758658155719	265	-1.86631284103827	0.0631190556105336	0.0131695496217012	0.170828131511476
SARC	PRMT6	cg09367891	-0.1711517481066	265	-2.80645119773254	0.00538658456193571	0.0292929208799449	0.0263238195476848
SARC	PRMT6	cg14671364	-0.0330765643515125	265	-0.534660806162836	0.593339596017692	0.00109405910929975	0.75540457240112
SARC	PRMT6	cg14828511	-0.101135004515995	265	-1.64230658192954	0.10173073540689	0.0102282891384503	0.241199578076389
SARC	PRMT6	cg22528358	0.131215790718781	265	2.13834446470654	0.0334174766613624	0.017217583733955	0.106943073733762
SARC	PRMT7	cg00894222	-0.362109804348275	265	-6.2759794721969	1.43899035864412e-09	0.131123510405146	4.62009145523568e-08
SARC	PRMT7	cg02477175	-0.265846622315858	265	-4.45520257925341	1.24441669639891e-05	0.0706744265967504	0.000158701889310913
SARC	PRMT7	cg06089844	-0.242777936199835	265	-4.04316133878814	6.94619913334654e-05	0.0589411263054512	0.000705171101891637
SARC	PRMT7	cg06092312	0.0891448465744399	265	1.44593581529318	0.149394923439241	0.00794680367078044	0.314849204183683
SARC	PRMT7	cg06745885	-0.307143514772171	265	-5.21408760799885	3.76161597321075e-07	0.094337138666603	7.13212656641378e-06

SARC	PRMT7	cg09175928	-0.332459626383472	265	-5.6949952744455	3.31690181206987e-08	0.110529403175038	8.07621469696912e-07
SARC	PRMT7	cg09779635	0.0337804700526679	265	0.546051839800119	0.585496735936022	0.00114112015697919	0.749998074713192
SARC	PRMT7	cg10233539	0.0982579633677099	265	1.59512482275411	0.111894466467319	0.00965462736517022	0.258015700390715
SARC	PRMT7	cg10446007	-0.0702387337377882	265	-1.13755098286964	0.256351230934249	0.0049334797170879	0.450616566981461
SARC	PRMT7	cg11893236	-0.159875175792987	265	-2.61651815897914	0.00940101423032052	0.0255600718348385	0.0406075791800974
SARC	PRMT7	cg19328639	-0.019536340392491	265	-0.315679486447969	0.752498074913982	0.000381668595931275	0.861402171171907
SARC	PRMT7	cg21918026	-0.014935899629031	265	-0.241323762021681	0.809493673455773	0.000223081097728489	0.897023643331744
SARC	PRMT7	cg26492318	-0.192549217482503	265	-3.17004790996608	0.00170594441602469	0.0370752011531243	0.0104456702007261
SARC	PRMT7	cg26561196	0.21100395569503	265	3.48739111684448	0.000572177242562969	0.0445226693189502	0.00420280959380074
SARC	PRMT7	cg26796563	0.092722737509558	265	1.50446294397817	0.133671332948647	0.0085975060512664	0.291716769304768
SARC	PRMT8	cg01693063	-0.0774058245568523	265	-1.25429266101137	0.210857793598676	0.0059916616753262	0.396669436200889
SARC	PRMT8	cg06029846	-0.0644024417615711	265	-1.04261775485132	0.298090124838252	0.00414767450485256	0.496289499885866
SARC	PRMT8	cg07912789	-0.122381567338686	265	-1.99210916544497	0.047400864715557	0.0149772480242734	0.138768782963235
SARC	PRMT8	cg10350722	-0.176866073993208	265	-2.90312687839227	0.00401041587451402	0.0312816081297708	0.0207852293498963
SARC	PRMT8	cg11596580	-0.0682721179524442	265	-1.10554935824448	0.269939654200671	0.00466108208971245	0.46601760815958
SARC	PRMT8	cg19656577	-0.0942533208650491	265	-1.52951803640119	0.127347119921842	0.00888368849408989	0.282149745021639
SARC	PRMT8	cg21667836	0.0995789270240474	265	1.61678274942496	0.107133158347622	0.00991596270726056	0.250219674567518
SARC	PRMT8	cg23739862	-0.173798306889979	265	-2.85118905559349	0.00470372951768814	0.0302058514778234	0.0236246325843522
SARC	PRMT8	cg24100636	-0.1503349380618	265	-2.45665483324964	0.0146752942254274	0.0226005936020453	0.0573937970225266
SARC	PRMT8	cg27316886	-0.16858300001533	265	-2.76308852672166	0.00613315303401036	0.0284202278941686	0.0291907315465159
SARC	PWWP2E	cg00259755	-0.174719526060955	265	-2.86677638224842	0.00448498305107877	0.0305269127869649	0.0227284718569228
SARC	PWWP2E	cg05010219	-0.103162477425462	265	-1.67558086016248	0.0950178535865786	0.010642496748559	0.229588726014421
SARC	PWWP2E	cg15012692	-0.160107882955595	265	-2.6204267684756	0.00929671306224867	0.0256345341845224	0.0402912811122325
SARC	PWWP2E	cg15278699	-0.221222046604119	265	-3.66475138179073	0.000299853307250914	0.0489391939037152	0.0024418285548286
SARC	PWWP2E	cg19919881	-0.0148716032665872	265	-0.240284676310197	0.810298193632327	0.000221164583718767	0.897557170984797
SARC	PWWP2E	cg22633292	-0.10309247181519	265	-1.67443159969579	0.0952436067206326	0.0106280577449658	0.230019282913973
SARC	PWWP2E	cg22664157	-0.148235000677333	265	-2.42156275233214	0.0161360772946522	0.0219736154258089	0.061713555717416
SARC	PWWP2E	cg24520806	-0.18667019091011	265	-3.06970657126075	0.00236873448057579	0.0348457601744169	0.0136296841850527
SARC	PYGO1	cg06364757	-0.0623657593879893	265	-1.00951483850494	0.313662755870369	0.00388948794404058	0.512735457662943
SARC	PYGO1	cg09275667	-0.167127817329504	265	-2.73854956963835	0.00659602090493601	0.027931707325324	0.0309021891164464
SARC	PYGO1	cg11480800	-0.179531346982159	265	-2.94832125216519	0.00348446435960824	0.0322315045492285	0.0185779192921228
SARC	PYGO1	cg12686317	-0.11263816506579	265	-1.8313800177551	0.0681836393202515	0.0126873562293882	0.180891383462799
SARC	PYGO1	cg13878116	-0.107369694083805	264	-1.7413507568746	0.0828048974002687	0.0115282512076499	0.208018994037411
SARC	PYGO1	cg17841803	-0.129397301267697	265	-2.108201388456	0.0359669227297093	0.0167436615753632	0.113183560003034
SARC	PYGO1	cg19850348	-0.0737465552840732	265	-1.19466511712264	0.233302396963418	0.00543855441626686	0.424113816641869
SARC	PYGO1	cg22510134	-0.172225131892178	265	-2.82458824384137	0.00509957453094091	0.029661496055278	0.0251771467322471
SARC	PYGO1	cg23030278	-0.122393194070106	265	-1.99230130175335	0.0473796561331556	0.0149800939546825	0.138732000085241
SARC	PYGO1	cg23412777	-0.0476864863534513	265	-0.771276204791638	0.441240918807256	0.0022740009807379	0.633833666402461
SARC	PYGO1	cg25902187	-0.0845680395256426	265	-1.37115035318879	0.171505864806613	0.00715175330921065	0.345689085808937
SARC	PYGO2	cg01277844	0.12263861639621	265	1.99635719663255	0.0469338236536504	0.0150402302315766	0.137764399400524
SARC	PYGO2	cg02341811	-0.283464309462814	265	-4.77537880087328	2.99316469738538e-06	0.0803520147392299	4.50561637903248e-05
SARC	PYGO2	cg04602755	-0.262828324852479	265	-4.40084369209669	1.57295743517644e-05	0.06907872834476	0.00019438705434808
SARC	PYGO2	cg10892866	-0.0923434510415302	265	-1.49825583293431	0.135275248178214	0.00852731295025949	0.294076201718894
SARC	PYGO2	cg14024356	0.0870172223480477	265	1.41115904833697	0.159388607011209	0.00757199698516958	0.328924776343741
SARC	PYGO2	cg18188585	-0.170344308183175	265	-2.7928146137073	0.00561195343706408	0.0290171833304045	0.0272077966897023
SARC	PYGO2	cg24683561	-0.140831787276221	265	-2.29811119000315	0.022346515803048	0.0198335923074147	0.0791236106860096
SARC	PYGO2	cg27105205	0.0127351370370084	265	0.205759121423168	0.837139471902427	0.000162183715351384	0.912848365299227
SARC	RBBP4	cg05797186	-0.225291642949475	265	-3.73573859850591	0.000229888656994693	0.0507563243828738	0.00195041937453483
SARC	RBBP4	cg06526778	-0.131770643519472	265	-2.14754600009175	0.0326708788388354	0.0173635024935358	0.105177906610518
SARC	RBBP4	cg09036220	-0.125141023969824	265	-2.03773381325859	0.0425850073617333	0.0156602758802159	0.128201620010784
SARC	RBBP4	cg11229946	-0.114948164558	265	-1.86943600433347	0.0626818981882328	0.0132130805352529	0.170011406179189
SARC	RBBP4	cg13641837	-0.0675390595103856	249	-1.05957289348672	0.290382427713723	0.00456152455954741	0.487978972664578
SARC	RBBP4	cg16148416	-0.0335374828136013	265	-0.542119580236029	0.588198667788231	0.0011247627534726	0.751787979527449
SARC	RBBP4	cg16396527	-0.279301927899194	265	-4.69927629041004	4.22879936053716e-06	0.0780095669282063	6.13645248001544e-05
SARC	RBBP4	cg18758482	-0.106287814642029	265	-1.72691446510629	0.0853661741224514	0.0112970995413783	0.212695005274381
SARC	RBBP4	cg20740619	0.142573991839341	265	2.3271269172388	0.0207239302330874	0.0203273431490044	0.0748362544006315
SARC	RBBP4	cg22358606	0.217530144196762	265	3.60052667133372	0.000380011373424472	0.047319363634264	0.00297813400308169

SARC	RBBP4	cg22857567	-0.123518708445691	265	-2.01090482428742	0.0453638090849593	0.0152568713360915	0.134413717918694
SARC	RBBP4	cg23016766	-0.0461081505278755	265	-0.745693047744494	0.456523898115287	0.00212596154510122	0.646778144308329
SARC	RBBP4	cg26131911	-0.0711517369807259	265	-1.15241227494365	0.250206113669734	0.0050625696753744	0.443865477007747
SARC	RBBP5	cg00960017	-0.274656146489135	265	-4.61467463984476	6.17850115083973e-06	0.075435998804261	8.56621490872261e-05
SARC	RBBP5	cg02189925	0.0159743647193113	265	0.25810669408491	0.796527970815327	0.000255180328185576	0.88856820484816
SARC	RBBP5	cg03143531	-0.016293986994283	265	-0.263272366927025	0.792548376615048	0.000265494012169863	0.88626019313369
SARC	RBBP5	cg05290904	-0.223559335908727	265	-3.70549652900329	0.000257567243871	0.0499787766719508	0.00214576849107952
SARC	RBBP5	cg07601985	0.201271719855559	265	3.31957781867986	0.00103006415145369	0.0405103052136145	0.00688071531840876
SARC	RBBP5	cg07972983	-0.0904829917722171	265	-1.46781845880247	0.143357582045501	0.00818717180005111	0.306212833621735
SARC	RBBP5	cg14717946	-0.134552010682037	265	-2.19370262115326	0.029138844414468	0.0181042435785791	0.096639442308749
SARC	RBBP5	cg18131828	-0.280111555333499	265	-4.71405633732931	3.95560984746412e-06	0.078462483431352	5.77991571137535e-05
SARC	RBBP5	cg21214746	-0.231605889614093	265	-3.84628942191752	0.00015077901757561	0.0536412881039353	0.00136757641288061
SARC	RBBP5	cg23227967	-0.0575183028192682	265	-0.930777567264463	0.352828752736405	0.00330835515920903	0.551839803582218
SARC	RBBP5	cg24103461	-0.0482220754912931	265	-0.779958845279944	0.436121817185305	0.00232536856468797	0.629229120803899
SARC	RBBP5	cg26795850	-0.252918154089877	265	-4.22332802767248	3.32805642628532e-05	0.0639675926682309	0.000373005073658608
SARC	RBBP7	cg01947226	-0.0044689966565125	255	-0.0713648663593601	0.943163309259233	1.99719311159199e-05	0.969714084379794
SARC	RBBP7	cg03048084	-0.409007346389529	265	-7.2410857819543	4.99170362353644e-12	0.167287009400604	2.50209144129764e-10
SARC	RBBP7	cg03171708	0.0715331046112953	265	1.15862079697679	0.247669790443206	0.00511698505533052	0.440998481980745
SARC	RBBP7	cg03811055	-0.235810642224516	265	-3.92019072357872	0.000113121278183327	0.0556066589863387	0.00107136069089284
SARC	RBBP7	cg07096248	-0.245868885453825	265	-4.09792708320235	5.56888899700328e-05	0.0604515088343063	0.000582763183525522
SARC	RBBP7	cg08363715	-0.18486422905369	265	-3.03895218912037	0.00261508396755034	0.0341747831836152	0.0147482849189221
SARC	RBBP7	cg14719055	-0.155336845183099	265	-2.54037977972336	0.0116533617413174	0.0241295354714381	0.048032299634632
SARC	RBBP7	cg15289846	0.215672886488813	265	3.56827917161741	0.000427478067171251	0.0465147939664163	0.00328349415062404
SARC	RBBP7	cg15464143	0.0700553027812997	265	1.13456555704321	0.257598308672788	0.00490774544777957	0.452126499219161
SARC	RBBP7	cg16978043	-0.0703615288712815	265	-1.13954959669633	0.255518726397321	0.00495074474510418	0.449794853344305
SARC	RBBP7	cg17878446	0.0470291003076431	265	0.7606199786762	0.447570673648244	0.00221173627574636	0.639126124046248
SARC	RBBP7	cg17880859	-0.379657852038317	265	-6.62996593167679	1.91890420537958e-10	0.144140084614348	7.24656474530577e-09
SARC	RBBP7	cg21122900	0.0415853082912749	265	0.672412882224461	0.501915718312732	0.00172933786568038	0.685648358449986
SARC	RING1	cg01241018	-0.0644841044271376	265	-1.04394531691773	0.297476623187503	0.00415819972376998	0.495565043990077
SARC	RING1	cg01878788	-0.0685488975445301	265	-1.11005244407604	0.267998087778288	0.00469895135457049	0.463686410040129
SARC	RING1	cg02475416	-0.0795087305819619	265	-1.28858228629347	0.198684395565817	0.006321638238755	0.381358348597266
SARC	RING1	cg03037740	-0.0544565875351966	265	-0.881080497019208	0.379084879494678	0.00296551992597853	0.577644766587301
SARC	RING1	cg06316695	-0.0835925185673432	265	-1.35522171561992	0.176518617329617	0.00698770916043162	0.352509815256109
SARC	RING1	cg06671577	-0.0898677024552726	265	-1.4577556652219	0.146110074211536	0.0080762039445894	0.310142984573414
SARC	RING1	cg07946923	-0.15821572393642	265	-2.58865851273075	0.0101753626185589	0.0250322153007254	0.0432180694228092
SARC	RING1	cg08892712	-0.0836796631703598	265	-1.35664448199978	0.176066453351199	0.00700228602830487	0.351897793697753
SARC	RING1	cg09478665	-0.104796526113476	265	-1.70241372040361	0.0898684510008337	0.0109823118854525	0.220595648482532
SARC	RING1	cg09724776	0.102909282943203	265	1.67142436357055	0.0958363732237926	0.0105903205158842	0.2310133801807
SARC	RING1	cg09832551	-0.243409327864684	265	-4.05433769222115	6.64114259879529e-05	0.0592481008915371	0.0006792545981208
SARC	RING1	cg09869033	-0.138564720021506	265	-2.2603866511459	0.0246215023109975	0.0192001816346384	0.0852148201513248
SARC	RING1	cg10265934	-0.0111406543682228	265	-0.179993949743932	0.857296985608874	0.000124114179752202	0.924090863344788
SARC	RING1	cg12065531	-0.0342242326140714	265	-0.55323349467443	0.580577099916319	0.00117129809802207	0.746367832080257
SARC	RING1	cg12115664	-0.109898013232764	265	-1.78627645030033	0.0752152302133027	0.0120775733125087	0.19429621508666
SARC	RING1	cg12256228	-0.0737771077715519	265	-1.19516276353207	0.233108282352209	0.00544306163113519	0.423868340811545
SARC	RING1	cg14046664	0.0125707950664521	265	0.203103457903363	0.839212417502752	0.000158024888602737	0.913917418733241
SARC	RING1	cg14363494	0.176564536758885	265	2.89801795911405	0.00407422245524531	0.0311750356408797	0.0210556076319241
SARC	RING1	cg18189601	-0.0451792920564486	265	-0.730639861193575	0.465654509129488	0.00204116843072188	0.654935309128734
SARC	RING1	cg20505183	-0.0175501238494369	265	-0.283574602767476	0.776961211352687	0.000308006847130574	0.876648507358087
SARC	RING1	cg24536938	0.189788407580438	265	3.12288392803486	0.0019925904143306	0.0360196396519185	0.0118610129843473
SARC	RING1	cg24550302	-0.175898333471659	265	-2.88673351790595	0.00421845300337864	0.0309402237181069	0.0216628380054682
SARC	RNF17	cg00202166	-0.46430036870659	265	-8.46922210983176	1.81786924805659e-15	0.215574832381075	1.49808601995037e-13
SARC	RNF17	cg01405147	-0.099687318712965	265	-1.61856027252557	0.106749664238017	0.00993756151218026	0.249481280371686
SARC	RNF17	cg07131398	-0.280478003208752	251	-4.5923944630917	6.98539102650351e-06	0.0786679102839689	9.52869559031763e-05
SARC	RNF17	cg12020676	-0.123989892370804	265	-2.01869531533987	0.0445415021726003	0.0153734934101235	0.132557827850622
SARC	RNF17	cg14855529	-0.133461813983848	265	-2.17560464561858	0.0304822948805039	0.0178120557918593	0.0998879379921617
SARC	RNF17	cg15523998	-0.205468975843012	265	-3.39182206479748	0.000801977040107586	0.0422175000339764	0.00557891458983542
SARC	RNF17	cg17806989	-0.584741399102513	265	-11.6451631202131	1.61536683485072e-25	0.341922503824364	3.42413753543262e-23

SARC	RNF17	cg20477497	-0.251500216369913	265	-4.19804715575149	3.69563489593552e-05	0.0632523588341131	0.000408320154941639
SARC	RNF17	cg21831927	-0.171226567155452	264	-2.80233115965741	0.00545528145705614	0.0293185372998406	0.0265907371973825
SARC	RNF17	cg23678722	-0.166293251054769	265	-2.72448447649169	0.00687535140512325	0.0276534453463644	0.0319625365848069
SARC	RNF17	cg24753530	-0.293129630456641	265	-4.95323637872109	1.31278936078192e-06	0.0859249802516472	2.17615886496204e-05
SARC	RNF20	cg04845236	-0.130159548674239	265	-2.12083366309184	0.0348788844701306	0.0169415081110817	0.110573696502275
SARC	RNF20	cg14625770	0.0989505127048374	265	1.60647848123164	0.109377938531037	0.0097912039645502	0.253897663463414
SARC	RNF20	cg21219529	0.0572354263961231	265	0.92618489809682	0.355205504803244	0.00327589403474603	0.554042246429344
SARC	RNF217	cg00991794	-0.102601587112814	265	-1.6663736027205	0.096838626103599	0.0105270856780683	0.232698210522027
SARC	RNF217	cg02312409	-0.157780922122574	265	-2.5813625890515	0.0103873673725937	0.0248948193858496	0.0438980257161861
SARC	RNF217	cg03113502	-0.161352443442791	262	-2.62611437835502	0.00915279929313272	0.0260346110049592	0.0398362352137164
SARC	RNF217	cg06993703	-0.10379845278264	265	-1.68602262613624	0.0929864385763871	0.0107741188000699	0.226077038553972
SARC	RNF217	cg07439975	-0.104440235059608	265	-1.69656185244362	0.0909717605524016	0.0109077626993061	0.222527973474626
SARC	RNF217	cg10621825	-0.14441485932238	265	-2.35780983239872	0.0191213932582473	0.0208556515931029	0.070280443168031
SARC	RNF217	cg16203203	-0.125735514798446	265	-2.04756933066709	0.041603218930511	0.0158094196816301	0.125967415773953
SARC	RNF217	cg17382198	-0.129449014449587	265	-2.10905827991915	0.0358922077684725	0.0167570473419695	0.112985004294928
SARC	RNF217	cg18192252	-0.184954997315665	265	-3.04049715105246	0.00260216694569487	0.0342083510320377	0.0146860835297002
SARC	RNF217	cg19171596	-0.1396756460642	265	-2.27886815755455	0.0234829134635077	0.0195092861034516	0.0822229620118876
SARC	RNF217	cg19478500	0.035454738725742	265	0.573149182268297	0.567037156891047	0.00125703849811063	0.735823508992298
SARC	RNF217	cg20034100	0.228209264566415	265	3.78675807396564	0.000189454713358712	0.0520794684339441	0.00165780679755119
SARC	RNF217	cg23521835	-0.179182418847032	265	-2.94240077262029	0.00354957171049593	0.0321063392238733	0.0188571212908469
SARC	RNF217	cg24822696	-0.1024901771072	265	-1.66454495073765	0.0972035687042233	0.0105042364034652	0.233310880264825
SARC	RPH3A	cg00851732	-0.00775924510438093	265	-0.125358214706033	0.90033646984133	6.02058845898594e-05	0.947431592447096
SARC	RPH3A	cg00854817	0.0505028683803849	265	0.816941294141531	0.4147070341346	0.00255053971464649	0.610288173204067
SARC	RPH3A	cg01119407	-0.0621165948630379	265	-1.00546595735079	0.315603781535797	0.00385847135737878	0.51481580551458
SARC	RPH3A	cg01573562	-0.0434141609594035	265	-0.702039145186611	0.483280327310252	0.001884789371809	0.670177220351174
SARC	RPH3A	cg05967001	-0.0308064745054608	265	-0.497930160640699	0.618952547738065	0.000949038871455605	0.773875619152072
SARC	RPH3A	cg08254200	-0.0261828158737529	265	-0.423141400796871	0.672540543204582	0.000685539847078844	0.81044508665916
SARC	RPH3A	cg09384610	0.0096960800261701	264	0.156351942444222	0.87587694811219	9.40139678738947e-05	0.934340215710097
SARC	RPH3A	cg11596863	-0.00957901531002972	265	-0.154760828802636	0.877129482842761	9.17575343097837e-05	0.934923764996502
SARC	RPH3A	cg16403344	-0.0389614638961006	265	-0.629920002119944	0.529297988760082	0.00151799566892715	0.707501990031362
SARC	RPH3A	cg17453780	-0.0167384137073283	265	-0.270455239255852	0.787023789891179	0.000280174493437676	0.882660256769183
SARC	RPH3A	cg18629535	-0.0386177188126321	265	-0.624354072969323	0.532940446482636	0.00149132820629152	0.710101843130624
SARC	RPH3A	cg19712198	-0.0404177059214436	265	-0.653502018203579	0.514007987338346	0.0016335909519523	0.695566681168231
SARC	RPH3A	cg20704159	-0.0601855973197888	265	-0.974093915475048	0.33091183377683	0.00362230612473976	0.530640347882727
SARC	RPH3A	cg21900624	0.0911435643227279	265	1.47862372700253	0.140446727626948	0.00830714931745124	0.301954254062867
SARC	RPH3A	cg23199238	0.0177085508302318	231	0.266848064708372	0.789828402029257	0.000313592772506905	0.884364989024785
SARC	RPH3A	cg23549179	0.073215664698024	265	1.18601837978416	0.236693605945272	0.00536053355717348	0.428066598569245
SARC	RPH3A	cg23596620	-0.00921225648497669	265	-0.148834873871188	0.881798862739858	8.4865669544995e-05	0.937242604765337
SARC	RTF1	cg04910470	-0.292147597668779	265	-4.93509089226914	1.42945062534042e-06	0.0853502188236389	2.34357601575833e-05
SARC	RTF1	cg07091958	-0.203000905603929	265	-3.34931764876203	0.000929694100825958	0.0412093676760153	0.00631932047878153
SARC	RTF1	cg07129439	0.155592533176292	265	2.54466495762294	0.0115148288569361	0.0242090363802156	0.0476101300077855
SARC	RTF1	cg15581235	0.0810488919130922	265	1.31370684995383	0.190098443538737	0.0065689228803401	0.37020053804879
SARC	RTF1	cg18782716	0.166703010586333	265	2.73138947185108	0.00673691048082181	0.0277898937385472	0.0314278732276956
SARC	RTF1	cg22263512	0.224931145230095	265	3.72944207971704	0.000235409159391457	0.0505940200945222	0.00198972404885908
SARC	RTF1	cg24280607	-0.00618808973475776	265	-0.0999735633239133	0.920442060976925	3.82924545654143e-05	0.958206692158748
SARC	RTF1	cg27576415	0.0714600684780985	265	1.15743175665819	0.248154133976485	0.00510654138689453	0.441471582139364
SARC	SATB1	cg01069104	-0.166849349476305	265	-2.73385583012626	0.00668807559377943	0.027838705420666	0.0312393967422682
SARC	SATB1	cg01373248	0.204528163777241	265	3.37561174692012	0.000848620617713902	0.0418317697780899	0.00585399498373376
SARC	SATB1	cg04004754	0.00306531229325794	265	0.0495218683113252	0.960541285691324	9.39613945519826e-06	0.979275266571438
SARC	SATB1	cg14415616	-0.245270032159495	265	-4.08730621778593	5.8138158845949e-05	0.0601573886755198	0.00060505684672398
SARC	SATB1	cg19818826	-0.239689505428678	265	-3.98857091536048	8.63786170427241e-05	0.0574510590126443	0.000847989059639999
SARC	SATB1	cg26131754	-0.20406379725527	265	-3.36761425172908	0.000872553561467308	0.04164203335024	0.00599059498374263
SARC	SATB1	cg26768584	0.0851568946058053	265	1.38076729795504	0.168531731869659	0.00725169669890423	0.341684020459936
SARC	SCML2	cg00457389	0.0401568521149984	265	0.649277515163382	0.516729962440115	0.00161257277178585	0.69781777415662
SARC	SCML2	cg04189389	-0.0741132283742386	265	-1.20063780203756	0.230980262693686	0.00549277062005204	0.421411902601977
SARC	SCML2	cg05049545	0.0902979640543998	265	1.46479223198652	0.144181111342242	0.00815372231236968	0.307383540031744
SARC	SCML2	cg06131666	0.0483778454895397	265	0.782484218582105	0.434639399298732	0.00234041593420977	0.628071170384158

SARC	SCML2	cg08300622	0.0852744522774751	265	1.38268737683925	0.167942619146255	0.00727173221122337	0.340951697953072
SARC	SCML2	cg17710066	0.0467555003030862	265	0.756185216012423	0.450220126280126	0.0021860768085919	0.641155921134899
SARC	SCML2	cg17727916	-0.00987862591833775	265	-0.159601873658814	0.873318143407107	9.75872500344544e-05	0.932906442131308
SARC	SCML2	cg22823767	0.063589291204071	265	1.02939978693384	0.304244848756893	0.00404359795583614	0.502845264700625
SARC	SCML2	cg26246138	0.05460144035916	265	0.883431142378099	0.377816369153689	0.00298131728929491	0.576412485485187
SARC	SCML4	cg00977377	0.00596858051671386	265	0.0964270868137881	0.923255379670847	3.56239533844963e-05	0.959671427889606
SARC	SCML4	cg03500965	-0.341492522164318	256	-5.76775739849829	2.3446974832118e-08	0.116617142694147	5.93761054716728e-07
SARC	SCML4	cg05603896	-0.275746214050176	265	-4.63449353739401	5.65607566544702e-06	0.0760359745630054	7.93666577052283e-05
SARC	SCML4	cg08792995	-0.173246042687237	265	-2.84184826990859	0.00483942520648803	0.0300141913067881	0.0241511529803391
SARC	SCML4	cg17388996	-0.280937272508887	265	-4.72914135219124	3.69435970011861e-06	0.0789257510847326	5.44522581491147e-05
SARC	SCML4	cg23503775	-0.24959749266997	265	-4.16416817972148	4.24938050959723e-05	0.0622989083471356	0.000461247812702117
SARC	SCML4	cg27353361	-0.167174749372074	265	-2.73934070318533	0.00658061835333057	0.0279473968276157	0.0308467476608218
SARC	SCML4	cg27659622	-0.143521396949443	265	-2.34291482302729	0.0198852068111101	0.0205983913823196	0.0724702416688608
SARC	SETD1A	cg26692825	-0.163013429853459	265	-2.66926707296555	0.00807824217161651	0.0265733783125886	0.036202475459343
SARC	SETD6	cg01152986	-0.257923892441063	265	-4.31281094034635	2.2878752467797e-05	0.0665247342919493	0.000269507823967262
SARC	SETD6	cg01472538	-0.338996715715866	265	-5.82135627852633	1.70766086089747e-08	0.114918773266144	4.45342839465833e-07
SARC	SETD6	cg01773760	-0.332350716028866	265	-5.69289795049352	3.35335590968407e-08	0.1104569984449	8.14967102898976e-07
SARC	SETD6	cg02549819	-0.359548011008742	255	-6.15299294372716	2.9282490934204e-09	0.129274772220343	8.85004700751929e-08
SARC	SETD6	cg05502081	-0.358003400101503	265	-6.19427685467454	2.26625890593604e-09	0.128166434484237	7.01557283439667e-08
SARC	SETD6	cg09132913	-0.357903996825084	265	-6.19230423215006	2.29112981916457e-09	0.12809527094337	7.08692457861188e-08
SARC	SETD6	cg19824325	-0.365857176975892	265	-6.35090545177216	9.45356550117352e-10	0.133851473944769	3.14018221433942e-08
SARC	SETD6	cg26666090	-0.345582319922504	265	-5.94961853415292	8.61185272891452e-09	0.11942713984302	2.38926701566753e-07
SARC	SETD7	cg05316864	-0.0435762681886798	265	-0.704665517095781	0.481646722518824	0.00189889114925174	0.66880667449003
SARC	SETDB1	cg02060408	-0.405680513986979	265	-7.17052747655663	7.68803698118875e-12	0.16457667942874	3.73801968071624e-10
SARC	SETDB1	cg08531528	-0.0341565789011792	265	-0.552138596175782	0.581325876941042	0.00116667188223248	0.746821304242258
SARC	SETDB1	cg10589385	-0.243184473365526	265	-4.0503568836509	6.74830608691486e-05	0.05913868808060683	0.000688259936054468
SARC	SETDB1	cg10961700	-0.17116903902258	265	-2.80674328185193	0.00538184855466845	0.0292988399199137	0.0263102825653162
SARC	SETDB1	cg12082615	-0.0916453733159628	265	-1.48683334635854	0.138265847455457	0.00839887445022219	0.298650695623114
SARC	SETDB1	cg15448220	-0.241894796753077	265	-4.02753791780891	7.39505558376861e-05	0.0585130926962125	0.000743654283975821
SARC	SETDB1	cg16370685	-0.180281330454546	257	-2.91531732147434	0.00387180512594909	0.032501358110461	0.0202360808003798
SARC	SETDB1	cg17899625	-0.0952160423351468	265	-1.54528303095426	0.123489431593222	0.00906609471796847	0.276222342257198
SARC	SETDB1	cg17918089	0.0107906191376181	265	0.17433793731017	0.861735037684232	0.000116437461373131	0.92658151916918
SARC	SETDB1	cg19689029	-0.413232793218176	265	-7.33120328802585	2.86422874601275e-12	0.170761341390896	1.50829664811239e-10
SARC	SETDB1	cg26820223	-0.243355168724293	265	-4.05337879903439	6.66680695076783e-05	0.059221738144829	0.00068143158576801
SARC	SETMAR	cg00300090	0.0555731604066905	265	0.899201492895052	0.369374179802524	0.00308837615758775	0.568066877739158
SARC	SETMAR	cg02520519	0.0512368829217229	265	0.828845841760282	0.407948977328087	0.00262521817153434	0.604042330353789
SARC	SETMAR	cg06021447	0.00338586828687609	265	0.0547006897683322	0.956418767446353	1.14641040560733e-05	0.977002712818877
SARC	SETMAR	cg06267913	-0.0128869355705397	265	-0.208212105652514	0.835225742206238	0.000166073108399241	0.911758410827235
SARC	SETMAR	cg14751177	0.000901361904979299	265	0.0145619531430132	0.988392777927269	8.12453283747912e-07	0.993899251141682
SARC	SETMAR	cg14961031	-0.0331199896717397	265	-0.535363518092472	0.592854372724998	0.00109693371585614	0.755071349057292
SARC	SETMAR	cg15232450	-0.0534113489213556	265	-0.864120198892048	0.388315305888735	0.0028527721935988	0.586082771225989
SARC	SETMAR	cg15384599	0.117649474832909	265	1.9139776544748	0.0567166241078018	0.0138413989284593	0.158051700826871
SARC	SETMAR	cg16423812	-0.00832609547289649	265	-0.13451685165935	0.893097558999639	6.93238658237873e-05	0.943305031423447
SARC	SETMAR	cg21901604	0.109549799422229	265	1.78054774116667	0.0761495093979216	0.0120011585534506	0.196002346946199
SARC	SETMAR	cg22149154	-0.0259287187920643	265	-0.419032152816977	0.675537279372733	0.00067229845819795	0.812417040137235
SARC	SETMAR	cg23182840	0.031612805437582	265	0.510975892567997	0.609799885079397	0.000999369467634417	0.767184599640089
SARC	SETMAR	cg23549342	0.0184929866881564	265	0.298814443503857	0.76531940794352	0.000341990556648331	0.869855475514036
SARC	SETMAR	cg24390964	0.0183738157046417	265	0.296888195644024	0.766788000590765	0.00033759710354814	0.870728472322871
SARC	SETMAR	cg26797270	-0.0931957856147751	265	-1.51220541203128	0.131691468887605	0.00868545445635513	0.288678186902249
SARC	SETMAR	cg27265118	-0.0568942386379832	265	-0.920645806926042	0.358085524625634	0.00323695439019578	0.557080313481187
SARC	SFMBT2	cg09060610	-0.0387314858238346	265	-0.626196166639297	0.53173353227953	0.0015001279941219	0.709336689933359
SARC	SFMBT2	cg12328063	-0.0201230809819655	265	-0.325164164938224	0.745317327284171	0.000404938388206741	0.856987690242617
SARC	SFMBT2	cg20299663	-0.0570235187109893	265	-0.922744595835067	0.356992536662395	0.00325168168618254	0.555871127421676
SARC	SFMBT2	cg25291138	-0.0920564376098353	265	-1.49355922889696	0.136498756707235	0.0084743877054135	0.296002237812417
SARC	SHPRH	cg00571935	-0.120529249370136	265	-1.96150945847347	0.050882553421853	0.0145272999537285	0.146145183277652
SARC	SHPRH	cg02758840	0.167548417800834	265	2.74564031669858	0.00645912751123013	0.0280724723075628	0.0303944692480424
SARC	SHPRH	cg06708562	0.0435734367764521	265	0.70461964363881	0.481675229882831	0.00189864439251147	0.668834320990717

SARC	SHPRH	cg11387577	-0.0319895243076702	265	-0.517071216372855	0.605544342158334	0.00102332966543102	0.764177411856037
SARC	SHPRH	cg11675148	0.129326041690461	265	2.10702064035669	0.0360700942255493	0.0167252250593228	0.11342931951376
SARC	SHPRH	cg12989205	0.168928211998282	265	2.76891260856347	0.00602770840649522	0.0285367408089366	0.0287751317976736
SARC	SHPRH	cg14102550	0.00523987233563027	265	0.08465389043482	0.932601450949484	2.74562620937034e-05	0.964245521393444
SARC	SHPRH	cg15443174	0.0689602880907975	265	1.11674606885449	0.265129912626597	0.00475552133356578	0.460792127585923
SARC	SHPRH	cg16339435	-0.0903201565311772	265	-1.46515519367984	0.144082146236256	0.00815773067581635	0.307265179536263
SARC	SHPRH	cg18099523	-0.0384630673162255	265	-0.621850024519363	0.534583296206172	0.0014794075473725	0.711272177479741
SARC	SHPRH	cg26814539	0.128204366645833	265	2.08843920971619	0.0377274252207904	0.0164363596270593	0.11730953745658
SARC	SHPRH	cg27398948	0.053448511615665	265	0.864723160713783	0.387984809204476	0.00285674339392988	0.585813913150496
SARC	SIN3A	cg01088093	0.0425042911223181	265	0.687298960996625	0.492504616729355	0.00180661476381076	0.677969205893361
SARC	SIN3A	cg01664094	0.0811053598510694	265	1.31462818708024	0.189788897910057	0.00657807939657146	0.369804321202629
SARC	SIN3A	cg02028562	-0.158901218959196	265	-2.60016417812262	0.00984889708562434	0.0252495973867184	0.0421027090822651
SARC	SIN3A	cg07544511	-0.206798604198609	265	-3.41474849524585	0.000740081775362751	0.0427656626984929	0.00522212441111744
SARC	SIN3A	cg10483776	0.141955429383566	265	2.31682249191427	0.0212879323292272	0.0201513439314725	0.0763695368973901
SARC	SIN3A	cg11184237	-0.286246910491445	265	-4.82641751951138	2.36831498900203e-06	0.0819372937658974	3.66794139467299e-05
SARC	SIN3A	cg15851274	-0.261135259181296	265	-4.3704128452735	1.79165214841767e-05	0.0681916235876827	0.000217780917553131
SARC	SIN3A	cg22059910	0.143138966080517	265	2.33654106604042	0.0202201531714785	0.0204887636105995	0.0734294928495004
SARC	SIN3A	cg25697800	-0.14621497026372	265	-2.38783760801426	0.0176596066396627	0.0213788175292206	0.0661684830177976
SARC	SIN3B	cg06815056	-0.0244782083511243	265	-0.395576087391223	0.692740921073097	0.00059918268408105	0.823644921503294
SARC	SIRT1	cg02720207	-0.205735134522079	265	-3.39640979377371	0.000789217371286202	0.042326945576818	0.00550689534324503
SARC	SIRT1	cg03211233	-0.225792979328603	265	-3.74449771865829	0.000222412006091525	0.0509824695140867	0.0018967682089327
SARC	SIRT1	cg07832903	-0.207848790699695	265	-3.43287054681343	0.000694346015304183	0.0432011197953256	0.0049537742034642
SARC	SIRT1	cg10582690	-0.0410453587979826	265	-0.663667348061668	0.507489031903264	0.00168472147885513	0.690226961570028
SARC	SIRT1	cg10705386	-0.28543763043322	265	-4.81155999726796	2.53587272430197e-06	0.0814746408673313	3.89718851668011e-05
SARC	SIRT1	cg19192316	0.173245315466131	265	2.84183597179292	0.00483960618827296	0.0300139393309592	0.0241511529803391
SARC	SIRT1	cg19681528	0.0212012595354318	265	0.342593835640743	0.732179780592225	0.000449493405888736	0.848680531198563
SARC	SIRT1	cg19980381	-0.0908662791915122	265	-1.47408781649007	0.14166304973818	0.00825668069410984	0.303788059165467
SARC	SIRT1	cg25513531	-0.0345386745143877	265	-0.558322479851538	0.577102831852394	0.00119292003721081	0.743727949989648
SARC	SIRT4	cg04118464	-0.223919114302958	261	-3.68322183898912	0.000280756028869035	0.050139769750221	0.00231245468606011
SARC	SIRT4	cg07106325	0.0253843345961779	265	0.410228665640403	0.681974751295287	0.000644364442890716	0.816635529388689
SARC	SIRT4	cg08264848	-0.249927818865221	265	-4.17004610343276	4.14794458550793e-05	0.0624639146427266	0.000451890953199205
SARC	SIRT4	cg12124973	-0.151261427032861	265	-2.47214818701089	0.0140685428926304	0.0228800193080175	0.0555569851064995
SARC	SIRT4	cg20010714	0.0854770515940975	265	1.38599658428842	0.166930950180539	0.00730632634922001	0.339574587062617
SARC	SIRT4	cg21068152	-0.120837571875568	265	-1.96660139722235	0.0502886661777134	0.014601718776783	0.144894685060335
SARC	SIRT4	cg21123573	-0.28415205194109	260	-4.74189749844514	3.5187915894084e-06	0.0807423886223322	5.21411186488452e-05
SARC	SIRT5	cg01064902	-0.0903695901675573	265	-1.46596369703487	0.143861888065238	0.00816666282705227	0.306980599614536
SARC	SIRT5	cg02206980	0.00220580833076027	265	0.0356360108775044	0.971599833250576	4.86559039205141e-06	0.984957289356068
SARC	SIRT5	cg02712746	-0.234962129134395	265	-3.90525894306551	0.000119925204666339	0.0552072021273682	0.00112593065071363
SARC	SIRT5	cg06139021	-0.00310802867823971	265	-0.0502119824933648	0.95999186758616	9.65984226476048e-06	0.979061311921597
SARC	SIRT5	cg07534331	-0.232923250729771	265	-3.86941815820897	0.000137874860759456	0.0542532407305239	0.00126767957900025
SARC	SIRT5	cg07909422	-0.192129036226366	265	-3.16286478071773	0.00174698593043508	0.0369135665612723	0.0106475261260002
SARC	SIRT5	cg08619119	-0.302414866612621	265	-5.12566372118944	5.77739656862018e-07	0.0914547515483293	1.05107366008179e-05
SARC	SIRT5	cg10907941	-0.259276705503003	265	-4.33705737188489	2.06477352860381e-05	0.0672244100164911	0.000246459491798539
SARC	SIRT5	cg11824369	-0.221143806827761	265	-3.66338860862481	0.000301374795365416	0.0489045832982743	0.00245267819130214
SARC	SIRT5	cg19366958	-0.048509858801597	265	-0.784624488691957	0.433385334944353	0.00235320640095088	0.626910665306265
SARC	SIRT5	cg20150972	-0.0926995597472575	265	-1.50408361559871	0.133768924822599	0.00859320837733536	0.291847876648323
SARC	SIRT7	cg11691214	-0.201439299013939	264	-3.31608757815719	0.00104300156868712	0.0405777911872273	0.00695221180999452
SARC	SIRT7	cg12710567	-0.196553664050662	250	-3.14415660898581	0.00187032482098401	0.0386333428517405	0.0112529040312166
SARC	SIRT7	cg17552093	-0.106175484961326	265	-1.72506856496941	0.085698864389108	0.0112732336067728	0.213295771988596
SARC	SIRT7	cg20397086	-0.204706710944154	244	-3.23991321777544	0.00136487966530713	0.0419048375055734	0.00869539338980452
SARC	SMARCA	cg03460558	-0.0281027579239856	265	-0.454193337293854	0.650067153586611	0.000789765002934135	0.79530734294628
SARC	SMARCA	cg06675660	0.0195656823534245	265	0.31615379225764	0.7521384650301	0.000382815925955109	0.861201855971137
SARC	SMARCA	cg08617833	-0.155708832915659	265	-2.54661424509179	0.0114522993764954	0.0242452406479565	0.0474121040530526
SARC	SMARCA	cg12935118	-0.0407722511341858	265	-0.659244059566982	0.510320279966845	0.00166237646254912	0.69263666730186
SARC	SMARCA	cg17420696	-0.0312207323288474	265	-0.504632368127311	0.61424284789012	0.000974734127149536	0.77057826955094
SARC	SMARCA	cg18959966	-0.1729613613231	265	-2.83703435823233	0.00491074026334403	0.0299156325107399	0.0244277848997114
SARC	SMARCA	cg24447042	-0.380342754675895	265	-6.64394709016812	1.76940724426364e-10	0.144660611034448	6.73101550905846e-09

SARC	SMARCA	cg26010110	-0.17280478388254	265	-2.83438697384203	0.00495036579383426	0.0298614933326915	0.0245824560555051
SARC	SMARCA	cg27353825	-0.136149403418173	257	-2.18594364880194	0.0297366117549258	0.0185366600511243	0.0980266102319036
SARC	SMARCA	cg04518912	-0.0511589781537249	262	-0.822812320418207	0.411374571562802	0.0026172410457333	0.607176910470272
SARC	SMARCA	cg13529335	0.0564952595810857	265	0.914168899944339	0.361471841252011	0.00319171435513426	0.560344739724991
SARC	SMARCA	cg14290704	-0.0314553931531565	264	-0.50745408461064	0.612266411449963	0.000989441758419645	0.769005347481973
SARC	SMARCA	cg21210735	-0.383838128434644	265	-6.71549933283497	1.1662084372576e-10	0.147331708840211	4.60996032357812e-09
SARC	SMARCA	cg08405378	-0.046678412210792	265	-0.754935731548068	0.450968214225465	0.00217887416652061	0.64168092582181
SARC	SMARCA	cg17218495	0.296627116889027	265	5.01800100250631	9.66915149713618e-07	0.0879876464738962	1.6630598531245e-05
SARC	SMARCA	cg17747332	-0.0139448682914162	265	-0.22530814959262	0.821915872034089	0.000194459351664945	0.904386593830712
SARC	SMARCA	cg18522266	-0.21347309266891	265	-3.53013673823364	0.000490801038843719	0.0455707612936292	0.0036911733860251
SARC	SMARCA	cg23892580	0.0266156146626688	265	0.430140795117992	0.66744816694043	0.00070839094387167	0.807165496735092
SARC	SMARCA	cg01278696	-0.0320245077952273	265	-0.517637261514834	0.60514982880101	0.00102556909952657	0.763866454740323
SARC	SMARCA	cg01575392	-0.108960657727428	265	-1.77085686856498	0.0777516284298565	0.0118724249323936	0.198849700245652
SARC	SMARCA	cg02782292	0.0732228352856493	265	1.18613516202742	0.236647572239272	0.00536158360726933	0.428015121102961
SARC	SMARCA	cg05358385	-0.0604245724379835	265	-0.977975833503539	0.32899187520709	0.00365112895431311	0.528691757971888
SARC	SMARCA	cg10878459	-0.292507748386964	265	-4.94174358192316	1.38555988316847e-06	0.0855607828664112	2.28075001166331e-05
SARC	SMARCA	cg12253543	-0.133996881346398	265	-2.18448610321027	0.0298164622455962	0.0179551642105606	0.0982221822355097
SARC	SMARCA	cg13848802	-0.147073128159846	244	-2.30349619379205	0.0221064527388158	0.0216305050267226	0.0785244762629652
SARC	SMARCA	cg13898584	-0.240368310957358	265	-4.00055824189132	8.23582686880717e-05	0.0577769249124932	0.000813584654516806
SARC	SMARCA	cg16091845	-0.0640150607383556	265	-1.03632051991959	0.30101181737144	0.00409792800133536	0.499370343671775
SARC	SMARCA	cg16587443	-0.145814500140152	229	-2.21084715018588	0.0280531822366506	0.0212618684511225	0.0939299844588964
SARC	SMARCA	cg19993723	-0.071467917390599	265	-1.15755953735304	0.248102051860495	0.00510766321614948	0.441451059218206
SARC	SMARCA	cg20045045	-0.0184983987212366	265	-0.298901922458853	0.765252733114667	0.000342190755249849	0.869792401378096
SARC	SMARCA	cg22077701	-0.0372942036699163	265	-0.602925737165479	0.547081624000451	0.0013908576273732	0.720530568514248
SARC	SMARCA	cg24607315	-0.218437511959152	264	-3.60936174690892	0.000368147051897054	0.0477149466309047	0.00289992241521581
SARC	SMARCB	cg01745726	-0.0534929838459736	265	-0.865444723924284	0.387589531137863	0.0028614993207456	0.585478446317261
SARC	SMARCB	cg01912455	0.0830040131686871	265	1.34561430012452	0.179594722191661	0.00688966620210758	0.356540561313608
SARC	SMARCB	cg03979008	0.120914352990281	265	1.96786952524925	0.0501416729435696	0.0146202807590583	0.144551465813306
SARC	SMARCB	cg10122452	0.00277294466492619	265	0.044798464298078	0.964302204518831	7.68922211474263e-06	0.981283424217028
SARC	SMARCB	cg16142952	-0.0562821475562165	265	-0.910709483130257	0.363288771199637	0.00316768013353973	0.562253788256333
SARC	SMARCB	cg19906397	0.104586198467352	265	1.69895913432427	0.0905184601335982	0.0109382729098523	0.221677047397631
SARC	SMARCC	cg02564102	0.0881471566650053	265	1.42962576829769	0.154020330389002	0.00776992122812499	0.321453495258948
SARC	SMARCC	cg02627110	-0.186873524980959	265	-3.07317123391082	0.00234236392238581	0.0349217143388092	0.0135099243014592
SARC	SMARCC	cg05592996	-0.218776414669187	264	-3.61524289256626	0.000360282524186568	0.0478631196155041	0.00284806611996442
SARC	SMARCC	cg07143957	0.0786324958768031	265	1.27429247637207	0.203693204942942	0.00618306940781546	0.387562174265797
SARC	SMARCC	cg07304068	-0.159977013177889	265	-2.61822859081947	0.00935524288231698	0.0255926447453184	0.0404502981762432
SARC	SMARCC	cg07474652	-0.114108394557414	265	-1.85559772894659	0.0646381841277348	0.0130207257084705	0.173826842368398
SARC	SMARCC	cg12894336	-0.147765945276035	265	-2.41372895597672	0.0164792142205012	0.0218347745833202	0.0627163050276243
SARC	SMARCC	cg16250355	-0.0232699684925422	265	-0.376039671083999	0.707192876868601	0.000541491433643907	0.833111676405535
SARC	SMARCC	cg20685352	-0.076335845508665	265	-1.23685226022805	0.217253679968304	0.00582716130952277	0.404708526602673
SARC	SMARCC	cg22984439	-0.0993042197197496	265	-1.61227806479984	0.10810994446457	0.0098613280541483	0.251873409591709
SARC	SMARCD	cg02553054	0.0376703214509813	265	0.609014933730613	0.543044259928672	0.00141905311822026	0.717500118269415
SARC	SMARCD	cg04550398	-0.145590262682761	265	-2.37741408810735	0.0181554739205638	0.0211965245880353	0.0675783224007817
SARC	SMARCD	cg09878554	-0.0296661786681741	265	-0.479482822559396	0.631996705457607	0.000880082156772025	0.783008622942932
SARC	SMARCD	cg13349421	-0.232109314984214	265	-3.85512534655809	0.000145719755312628	0.0538747341024412	0.00132819245984658
SARC	SMARCD	cg17846064	-0.284958142095333	265	-4.80276238989604	2.64042366980861e-06	0.0812011427464237	4.04110011743243e-05
SARC	SMARCD	cg18591973	-7.28964727432342e-05	265	-0.0011776785618723	0.999061248291971	5.31389573840509e-09	0.999536642998387
SARC	SMARCD	cg20405918	-0.202978978879283	265	-3.34894033267753	0.000930908353294804	0.0412004658668762	0.00632591583125576
SARC	SMARCD	cg22402853	-0.212948066237171	265	-3.52104159819342	0.000507148654057332	0.0453468789141507	0.00379279692431015
SARC	SMARCD	cg25107077	-0.172698772611775	265	-2.83259467930424	0.0049773573723632	0.0298248660616134	0.0246739654257072
SARC	SMARCD	cg00945038	-0.027887251942858	265	-0.450707634676775	0.652574468469895	0.000777698820924436	0.797047998997488
SARC	SMARCD	cg02127607	0.112936679246495	265	1.83629617061689	0.0674511908163441	0.0127546935192258	0.17944387997971
SARC	SMARCD	cg02360836	-0.123891434526397	265	-2.01706731227609	0.0447122889217723	0.0153490875490085	0.132942958408352
SARC	SMARCD	cg04367190	0.0201141580093772	265	0.325019922338009	0.745426367117308	0.000404579352426194	0.857002825017888
SARC	SMARCD	cg06420487	-0.225818994440034	265	-3.74495232828094	0.000222030294492555	0.0509942182499082	0.00189475918492254
SARC	SMARCD	cg07362569	0.0474558965438421	265	0.76753823091044	0.443455366292134	0.00225206211677984	0.635656098259503
SARC	SMARCD	cg11697258	-0.143472213404434	265	-2.34209504897495	0.0199280118405473	0.0205842760191673	0.0726058333235078

SARC	SMARCD	cg12577610	-0.162691622690077	265	-2.66385422224619	0.00820580943543362	0.0264685640935305	0.0366405667686598
SARC	SMARCD	cg15868002	-0.0818788429866249	265	-1.32724971015655	0.185585928561787	0.00670414492882837	0.364325015810428
SARC	SMARCD	cg19016967	-0.0660862243146968	265	-1.0699947266036	0.285610196890374	0.00436738904417242	0.482848566952577
SARC	SMARCD	cg19143629	0.183571141740461	265	3.01695133851834	0.0028055388468516	0.0336983640798963	0.0156096473360015
SARC	SMARCD	cg21254277	-0.238293376237042	265	-3.96393553702103	9.52338976550918e-05	0.0567837331584483	0.000924524609061095
SARC	SMARCD	cg23682543	-0.255905265087543	265	-4.27668160505961	2.66359553574567e-05	0.0654875046995257	0.000307252288375001
SARC	SMARCD	cg24795630	-0.306841088193304	265	-5.20841968964423	3.86715484373157e-07	0.0941514534036511	7.30907298137157e-06
SARC	SMARCD	cg25945412	-0.0318759757523816	265	-0.515233973879156	0.606825632401225	0.00101607783016642	0.7650993216807
SARC	SMARCD	cg00864064	0.0118656669675548	265	0.191709212734117	0.848119049555691	0.000140794052584922	0.918947231693576
SARC	SMARCD	cg02917064	-0.0913131410939702	265	-1.4813978837837	0.139706817440687	0.00833808973644731	0.300893949537237
SARC	SMARCD	cg14795305	0.0392654746201562	255	0.620076933250802	0.535774187386045	0.00154177749714613	0.712089406367628
SARC	SMARCD	cg19786287	0.00467905989612821	265	0.0755933535592213	0.939800533568489	2.18936015115553e-05	0.967906834029615
SARC	SMARCD	cg19902439	-0.0943040134077045	265	-1.53034804106833	0.127141693632405	0.0088932469448005	0.281879247468987
SARC	SMARCD	cg22750243	-0.0853334985606755	265	-1.38365180646103	0.167647303190183	0.00728180597660481	0.340512109458685
SARC	SMARCD	cg22787816	-0.153400938360413	265	-2.50795204666352	0.0127508109350735	0.0235318478898551	0.0515908142655176
SARC	SMNDC1	cg03999743	-0.134186413783722	265	-2.18763257384004	0.0295836107862368	0.0180059936441362	0.0976500711852022
SARC	SMNDC1	cg08770590	-0.078787285219721	265	-1.27681659468294	0.202801802221749	0.00620743631229366	0.386590624896808
SARC	SMNDC1	cg11559952	0.0150039609246162	265	0.242423695623464	0.808642261915147	0.00022511884342741	0.896527136635317
SARC	SMNDC1	cg12486840	0.147798641819321	265	2.41427497400674	0.0164550901397204	0.0218444385236361	0.0626428814450407
SARC	SMNDC1	cg17981675	-0.180895705365247	265	-2.9714822270317	0.00324012998436823	0.0327232562195903	0.0175311359023468
SARC	SMNDC1	cg18209001	-0.0939476421976089	265	-1.52451331929891	0.12859129743575	0.00882615947448995	0.28393194245083
SARC	SMNDC1	cg21872391	0.139859264520611	265	2.28192370060067	0.0232991661526981	0.0195606138722462	0.0817304113127563
SARC	SMNDC1	cg23721301	-0.126597680137238	265	-2.06183735797151	0.0402132749912988	0.0160269726161304	0.122927121186719
SARC	SMNDC1	cg26944434	0.0837671049029581	265	1.3580721309716	0.175613611267192	0.00701692786382319	0.351353683484298
SARC	SMYD1	cg00578637	-0.193499268670641	265	-3.1862960137565	0.00161637821676457	0.0374419669760729	0.0100003600282315
SARC	SMYD1	cg00666842	-0.109383462880628	265	-1.77781145660776	0.0765991106622426	0.0119647419517578	0.196892490165488
SARC	SMYD1	cg03704645	-0.181500124741832	265	-2.9817483447267	0.00313693583480144	0.0329422952813005	0.0170761168800324
SARC	SMYD1	cg14559139	-0.138520698155491	265	-2.25965447751272	0.0246675832531608	0.0191879838174845	0.0853415445875831
SARC	SMYD1	cg16090764	-0.151296405606994	265	-2.47273325190831	0.0140460733524102	0.0228906023495959	0.0554907106375997
SARC	SMYD1	cg18148488	-0.180265317874033	265	-2.96077874661356	0.00335102512563275	0.0324955848282261	0.0179947296626958
SARC	SMYD1	cg19074493	-0.198429191337179	265	-3.27076001780707	0.00121694249532842	0.039374143974727	0.00791032958569345
SARC	SMYD2	cg01770831	0.0716858628964634	265	1.16110778769056	0.24665889273412	0.00513886293921055	0.43984279790396
SARC	SMYD2	cg04406444	-0.0662248391140207	265	-1.07224889928713	0.284598684176686	0.00438572931567793	0.481892522132185
SARC	SMYD2	cg11523160	-0.0887187275738716	265	-1.43896916823751	0.151357399779544	0.00787101262232685	0.317661106691033
SARC	SMYD2	cg14013804	0.0359445874712311	265	0.58107808402496	0.561689267173048	0.00129201336847698	0.732037574348899
SARC	SMYD2	cg27570636	-0.121675768105709	265	-1.98044711187033	0.0487032747412815	0.0148049925441143	0.141495408567922
SARC	SMYD5	cg01329511	-0.112787032304622	265	-1.83383161095274	0.0678175629591057	0.0127209146560838	0.180196717427443
SARC	SMYD5	cg05103132	-0.233209121995187	265	-3.87444013096165	0.000135214724095379	0.054386494581766	0.00124665260355555
SARC	SMYD5	cg06754047	-0.136804062647653	265	-2.23111392153863	0.0265233686672496	0.018715351556903	0.0900636814535145
SARC	SMYD5	cg08834152	0.0181310261388078	265	0.292963849202859	0.769782568637285	0.00032873410884613	0.872397503778688
SARC	SMYD5	cg15623359	-0.049026257160138	255	-0.783829107242895	0.433867842456895	0.00240357389113198	0.627436422948501
SARC	SMYD5	cg17895873	-0.187454365459038	265	-3.08307058355625	0.00226849980469133	0.0351391391296505	0.0131619685117957
SARC	SMYD5	cg20402064	-0.167570314072277	265	-2.74600950000661	0.00645207100021482	0.0280798101582817	0.030366774238654
SARC	SMYD5	cg25886337	-0.0124457274621952	265	-0.20108245463614	0.840790715845268	0.000154896132063239	0.914688681822802
SARC	SMYD5	cg26467949	-0.138025867134824	265	-2.25142536433665	0.025190690754608	0.0190511399983201	0.0867048154186289
SARC	SP100	cg05876232	0.0804459044598078	265	1.30386923205585	0.193426976647706	0.00647154354435653	0.374491879777298
SARC	SP100	cg09456094	-0.306717906355184	265	-5.20611158035431	3.91095126149652e-07	0.0940758740789071	7.38288139861346e-06
SARC	SP100	cg11702456	-0.252346382611099	265	-4.21313024246872	3.47191866534266e-05	0.0636786968169074	0.000387176663778192
SARC	SP100	cg11827097	-0.166160993835853	265	-2.72225607577434	0.00692057508645138	0.0276094758725183	0.0321209485278563
SARC	SP100	cg23539753	-0.418661244489138	265	-7.44781744648241	1.38701290854521e-12	0.175277237637194	7.71826052985449e-11
SARC	SP100	cg27140170	-0.0902076484112523	265	-1.46331512712897	0.144584399336844	0.00813741983188811	0.307981675255618
SARC	SP140L	cg04002454	-0.367948819886796	265	-6.39288099790321	7.45975053961806e-10	0.135386334056086	2.52644246181562e-08
SARC	SP140L	cg05217331	0.268143635992272	265	4.49666565859086	1.03920588362684e-05	0.0719010095231561	0.000135576022993236
SARC	SP140L	cg13278004	-0.411598692890623	265	-7.29628521467276	3.55389135290467e-12	0.169413483989269	1.83579962754227e-10
SARC	SP140L	cg24044052	-0.465896195929885	265	-8.5063837963495	1.41503895628567e-15	0.217059265381938	1.18240108018569e-13
SARC	SP140L	cg25095994	-0.497155348223662	265	-9.25682425913065	7.96636680404421e-18	0.24716344026739	8.59549984956748e-16
SARC	SP140L	cg26847438	-0.39850204248936	265	-7.01943528369849	1.92095744806471e-11	0.158803877868191	8.63809038813562e-10

SARC	SSRP1	cg01511567	0.0191504920800122	265	0.30944241583338	0.757231905839425	0.000366741346906609	0.864617197247581
SARC	SSRP1	cg01766191	-0.18910582606542	265	-3.11123502397446	0.00206992950806881	0.0357610134518848	0.0122324594462705
SARC	SSRP1	cg02688348	-0.0904282526656196	265	-1.46692315562811	0.143600842636415	0.00817726888015714	0.306574932134726
SARC	SSRP1	cg04937561	-0.189916205991767	265	-3.12506545117917	0.0019784068559255	0.0360681652983074	0.0117892135541837
SARC	SSRP1	cg08821673	-0.292356818777646	265	-4.93895533653384	1.40379415795276e-06	0.0854725094857854	2.30637302478939e-05
SARC	SSRP1	cg09381635	-0.187013724876187	265	-3.0755603751054	0.00232433726766745	0.0349741332920661	0.0134238673645822
SARC	SSRP1	cg11948159	0.0859442693670273	265	1.39362866551471	0.16461529288047	0.00738641743703215	0.336267680969022
SARC	SSRP1	cg12795368	0.072978067027743	265	1.18214890056064	0.238222495056721	0.00532579826710575	0.429853658535535
SARC	SSRP1	cg12911972	-0.232532622860529	265	-3.86255761421333	0.000141589107221263	0.0540714206943969	0.00129661954175056
SARC	SSRP1	cg16313264	0.0923712102292316	265	1.49871009613792	0.13515736185724	0.00853244047921289	0.293937318171763
SARC	SSRP1	cg22636253	-0.037678320674174	265	-0.609144440762996	0.542958554303257	0.00141965584882589	0.717460110809668
SARC	SSRP1	cg26706201	-0.0885083776879931	265	-1.43553043819769	0.152333328391821	0.00783373292096044	0.319062488528171
SARC	STK31	cg00755064	-0.0977583200018873	265	-1.58693512024113	0.113738060306928	0.0095566891295914	0.26095315608922
SARC	STK31	cg05000488	-0.310173061701841	265	-5.27096245583054	2.84608414886155e-07	0.0962073282054942	5.55047055092844e-06
SARC	STK31	cg05407490	-0.076441806589123	265	-1.23857920756347	0.216614168644418	0.00584334979460889	0.403904092316192
SARC	STK31	cg11755819	-0.193485811369182	265	-3.18606579744657	0.00161761627466817	0.0374367592011908	0.0100056325412686
SARC	STK31	cg13313214	-0.135174858819332	265	-2.20404594303806	0.0283942931759892	0.0182722424568264	0.0947764155032854
SARC	STK31	cg13514718	-0.128781886961869	265	-2.09800526613205	0.0368662381040542	0.0165847744094597	0.115281458600643
SARC	STK31	cg13802883	-0.10153037095681	265	-1.64879358127422	0.100393036698769	0.0103084162266274	0.238886745132306
SARC	STK31	cg14898779	-0.108941248498556	265	-1.7705376356878	0.0778048709914817	0.0118681956244242	0.198940086570627
SARC	STK31	cg17102984	-0.217898963118391	265	-3.60693533287783	0.00037118855825168	0.0474799581280701	0.00292027818050416
SARC	STK31	cg17331904	-0.0703048466254821	265	-1.13862702989188	0.255902778132768	0.00494277145903256	0.450166219434697
SARC	STK31	cg21519371	-0.116533434343645	265	-1.89557020559553	0.0591216278570657	0.0135800413199246	0.162911161714103
SARC	STK31	cg25570411	-0.19710077756748	265	-3.24797528698024	0.00131454073218338	0.0388487165177054	0.00842416143004786
SARC	STK31	cg25612145	-0.088475691044106	265	-1.43499610519361	0.152485406203396	0.0078279479057321	0.319320834751594
SARC	SUV39H	cg05903800	-0.0156829175064981	265	-0.253396450126666	0.800161353221527	0.000245953901515624	0.890909304059132
SARC	SUZ12	cg00160853	-0.00969135628137721	265	-0.156576005508343	0.875700059228319	9.39223865725894e-05	0.93428342760996
SARC	SUZ12	cg01109633	0.0515893044598044	265	0.83456203553434	0.404727558355546	0.00266145633464639	0.601187193055665
SARC	SUZ12	cg07482957	-0.165835267286311	265	-2.71676855595443	0.00703308801505184	0.0275013358759222	0.032520925406737
SARC	SUZ12	cg08177746	-0.0462348081274131	265	-0.747745824573186	0.455286662527043	0.0021376574825787	0.645582097672908
SARC	SUZ12	cg17335595	-0.356589230059775	265	-6.16623582790512	2.64601635203391e-09	0.127155878994623	8.08500377416048e-08
SARC	SUZ12	cg25098644	0.0273454053369873	265	0.441943810699323	0.658895824571305	0.000747771193044134	0.801547198184493
SARC	TAF3	cg00194465	-0.0845256885995237	265	-1.37045875076585	0.171721263060991	0.00714459203322365	0.345985229951463
SARC	TAF3	cg02334915	0.0704850183339054	265	1.14155956393068	0.254683400582843	0.00496813780953098	0.448934443505814
SARC	TAF3	cg03672997	-0.0647442644966572	264	-1.04616486612955	0.296456526647967	0.00419181978521311	0.494406798916299
SARC	TAF3	cg04179819	-0.159222967889507	265	-2.60556589010198	0.00969889022757243	0.0253519535035429	0.0416036504964512
SARC	TAF3	cg04234156	0.0440370417687841	265	0.7121310216982	0.477019720744437	0.00193926104774563	0.664695268688186
SARC	TAF3	cg05976695	-0.166001405226063	265	-2.71956736981819	0.0069754979658754	0.0275564665370276	0.0323103238319328
SARC	TAF3	cg07855525	-0.153140963999628	265	-2.50359956391718	0.0129049079556727	0.0234521548547353	0.0520383790951485
SARC	TAF3	cg09871669	0.0424267898411464	265	0.686043494997114	0.493294641576792	0.0018000324962248	0.678633432602832
SARC	TAF3	cg09994553	0.0161995687541503	222	0.23921515650831	0.811163496631462	0.000262426027820443	0.898157574929162
SARC	TAF3	cg11104088	0.0715559896272748	265	1.15899337267243	0.247518162539909	0.00512025965153866	0.44081776768404
SARC	TAF3	cg12176426	-0.0349018503357726	265	-0.564200390403467	0.573102265953372	0.00121813915686067	0.740566666014188
SARC	TAF3	cg12590721	-0.161034530892874	265	-2.63599544125749	0.00889149369941557	0.025932120139888	0.0389758754072426
SARC	TAF3	cg12777293	-0.201943469391916	265	-3.33112720922678	0.000989944053101054	0.0407811648300439	0.00665960806528393
SARC	TAF3	cg27268107	-0.185602152936678	265	-3.05151469145892	0.00251173974436175	0.0344481591747299	0.0142949946355167
SARC	TCEA1	cg01677098	-0.190331459960433	265	-3.13215498861935	0.00193295410079001	0.03622606465067	0.0115644260029884
SARC	TCEA1	cg06047473	-0.206563107238172	265	-3.41068644746556	0.000750712399206143	0.0426683172718887	0.0052865864382948
SARC	TCEA1	cg11530293	-0.0194945211936178	265	-0.315003490468818	0.753010695916632	0.000380036356568412	0.861795893696685
SARC	TCEA1	cg11787876	-0.0438118172571311	265	-0.708481852612105	0.47927835496467	0.00191947533137225	0.66666217934854
SARC	TCEA1	cg12850379	0.101487525308922	265	1.64809055057551	0.100537325397062	0.0102997177933291	0.239114637926536
SARC	TCEA1	cg23569945	-0.0933731483863624	265	-1.51510860813172	0.130954998607981	0.00871854483958164	0.287612240244749
SARC	TCEA1	cg26181865	-0.265878251418618	265	-4.45577295518077	1.24134651563742e-05	0.070691244577422	0.000158362267690223
SARC	TCEA1	cg26358945	-0.110981386406299	265	-1.80410404862538	0.0723678348212002	0.0123168681286643	0.188855529757814
SARC	TDRD1	cg00337703	-0.316388811625128	265	-5.38821229683174	1.59021667367334e-07	0.100101880121561	3.29979503632285e-06
SARC	TDRD1	cg02635786	-0.419927626000271	260	-7.40321281012752	1.91636428873032e-12	0.176339211078224	1.04325852678437e-10
SARC	TDRD1	cg16550453	-0.719258206292497	265	-16.7255724595965	3.55531967766668e-43	0.5173323673191	1.59874300002545e-40

SARC	TDRD1	cg23504215	-0.696472921335585	265	-15.6802254453972	1.70296077938673e-39	0.485074530153723	6.75919035059242e-37
SARC	TDRD1	cg23825092	-0.735212955747928	265	-17.5230075659843	5.60995783206299e-46	0.540538090299605	2.77975197189496e-43
SARC	TDRD1	cg24203376	-0.569248774129312	265	-11.1857007791853	5.48104131440723e-24	0.324044166847724	9.98576412208422e-22
SARC	TDRD1	cg26600802	-0.705502905743073	265	-16.0824541387025	6.52939680668655e-41	0.49773435001192	2.68755500094907e-38
SARC	TDRD1	cg27547703	-0.683827053720142	265	-15.1410306123471	1.34398054242202e-37	0.46761943939957	5.10017669839897e-35
SARC	TDRD3	cg01557749	-0.0662662794336352	265	-1.07292281949106	0.284296750538669	0.00439121978997663	0.481559462002856
SARC	TDRD3	cg03447530	-0.0971719826933414	265	-1.57732595360324	0.115931775712125	0.00944239422055505	0.264387797835045
SARC	TDRD3	cg05666423	-0.0595923998624892	265	-0.964458725651889	0.335708739937197	0.0035512541213708	0.535254257146136
SARC	TDRD3	cg10765900	-0.0775256246246496	265	-1.25624564353398	0.210150198027953	0.00601022247344207	0.395776302005374
SARC	TDRD3	cg18522102	-0.0982841904563097	265	-1.59555474707835	0.111798344491881	0.00965978209365217	0.25784610236168
SARC	TDRD3	cg19937698	-0.0821684488467982	265	-1.33197605314226	0.184029999324559	0.0067516539858889	0.362386213928385
SARC	TDRD3	cg20944895	-0.0724360944865279	265	-1.17332317502429	0.241735873114668	0.0052469877844612	0.434048850876668
SARC	TDRD3	cg22045829	0.00112933740159604	265	0.0182450157262444	0.98545733074001	1.27540296664369e-06	0.992384145028392
SARC	TDRD3	cg23103367	-0.170812662545552	265	-2.80072378690845	0.00548021984832108	0.0291769656859005	0.0266872126998617
SARC	TDRD3	cg23767211	-0.0845366727056347	265	-1.37063812356028	0.171665378198088	0.00714644903213961	0.345900757136916
SARC	TDRD3	cg26737458	-0.0711729810910967	265	-1.15275810770951	0.250064355010544	0.00506559323739361	0.443708378388575
SARC	TDRD5	cg05378938	-0.0435707971195318	265	-0.704576876943242	0.481701807428658	0.0018984143616314	0.668859175395831
SARC	TDRD5	cg07171496	-0.105074647337461	265	-1.70698215606292	0.0890146705265809	0.0110406815130918	0.219132536278752
SARC	TDRD5	cg07901138	-0.0966007184193812	265	-1.56796540549672	0.118100760856771	0.00933169879914058	0.267795575087199
SARC	TDRD5	cg09656934	0.107217734559857	265	1.74219830258179	0.0826517034058113	0.0114956426041479	0.207707927857336
SARC	TDRD5	cg11853788	0.0827005663067398	265	1.34066105122743	0.18119622887756	0.00683938366745546	0.358475647965539
SARC	TDRD5	cg12277666	-0.0797963086465407	265	-1.29327282008885	0.197060192380732	0.00636745087361398	0.379276347279186
SARC	TDRD5	cg13848905	-0.0526863908600179	265	-0.852358527906075	0.394796582884597	0.00277585578185457	0.591497891182104
SARC	TDRD5	cg15545772	-0.0827524759603698	265	-1.34150836051567	0.180921519685351	0.00684797227757159	0.35812342440147
SARC	TDRD7	cg24339935	0.031885435662753	265	0.515387036703939	0.606718840099672	0.00101668100740356	0.764989472223438
SARC	TDRD9	cg07613153	0.260097238080387	262	4.32669457880777	2.1659622486199e-05	0.0676505732570455	0.000256761795184714
SARC	TDRD9	cg08933517	0.154074128520327	265	2.51922505660288	0.0123592850333352	0.0237388370792981	0.0503154649580448
SARC	TDRD9	cg16701547	0.161054874267623	265	2.63633731174413	0.00888277638906881	0.0259386725253598	0.0389486363663183
SARC	TRIM24	cg00733782	-0.110734067793234	265	-1.800033691536	0.0730100015120489	0.0122620337700366	0.190161378653687
SARC	TRIM24	cg02308366	-0.173699591940912	265	-2.84951922536696	0.00472773029586944	0.0301715482404393	0.0237206740172117
SARC	TRIM24	cg06386929	-0.0998454502586821	265	-1.6211535875202	0.106192129579817	0.00996911393735896	0.248566587288468
SARC	TRIM24	cg06650216	0.0197430819457491	265	0.319021431863753	0.749965428846622	0.000389789284716563	0.859955347144833
SARC	TRIM24	cg10571650	0.171191367373671	265	2.80712046401614	0.00537573831705903	0.0293064842632671	0.0262820630113933
SARC	TRIM24	cg10703331	-0.0903229258326611	265	-1.46520048622618	0.144069800450919	0.0081582309309724	0.307265179536263
SARC	TRIM24	cg13935558	0.0151500285712791	265	0.244784295537215	0.80681579288321	0.000229523365710573	0.895318780548278
SARC	TRIM24	cg26889928	0.131654694293566	265	2.14562295864298	0.0328257127367678	0.0173329585295323	0.105542192985609
SARC	TRIM33	cg00760200	-0.0714708580211795	265	-1.15760741102416	0.248082541018483	0.00510808354628359	0.441451059218206
SARC	TRIM33	cg02852257	-0.123233843469845	265	-2.00619557573601	0.0458670965382414	0.0151865801763503	0.135471540608829
SARC	TRIM33	cg05792124	-0.127418511051596	265	-2.07542575164352	0.0389265596334047	0.0162354769586058	0.120068703862697
SARC	TRIM33	cg16036305	0.0161632768571237	265	0.261159845528393	0.794175196330489	0.000261251518760032	0.887290897936724
SARC	TRIM33	cg17645130	0.0512729234932349	265	0.829430396995853	0.407618841655344	0.00262891268354312	0.603806015682475
SARC	TRIM33	cg18199720	-0.0297783201305709	265	-0.481296926703784	0.630708739345978	0.000886748349798762	0.782092509383464
SARC	TRIM33	cg20932765	-0.254572748170317	265	-4.25286509621433	2.9428057278319e-05	0.0648072841109876	0.000335186864994078
SARC	TRIM33	cg20992663	-0.0209619227739126	265	-0.338724652792406	0.73508950929253	0.000439402206379474	0.85064221363309
SARC	TRIM33	cg21666217	0.020985271043089	265	0.33910210465442	0.734805486260683	0.000440381600751911	0.850474940077555
SARC	TRIM33	cg21813112	-0.124955433105985	265	-2.03466377373571	0.0428954682814379	0.0156138602627043	0.128848976959401
SARC	TRIM66	cg06492264	0.0969996465897416	265	1.57450194567694	0.11658279987897	0.00940893143853477	0.2653978969884
SARC	TRIM66	cg11245569	0.169928006622499	257	2.74275979157348	0.00652797731650898	0.0288755274346961	0.0306591081478206
SARC	TRIM66	cg12608775	0.0366985796175152	265	0.593283345666008	0.5535053002727248	0.0013467857459431	0.725430721387842
SARC	TRIM66	cg13143389	0.187185477034583	265	3.07848746267584	0.00230242587813241	0.0350384028126645	0.0133240287706191
SARC	TRIM66	cg27044202	0.00539481784337983	265	0.0871572178968699	0.930613374824729	2.91040595632494e-05	0.963358079914365
SARC	UBE2A	cg00142683	0.0102713237268314	265	0.165947067115494	0.868327080472331	0.000105500091101369	0.930066028382407
SARC	UBE2A	cg00428314	0.000310736712704792	265	0.00502010547099146	0.99599838702894	9.65573046225802e-08	0.998020370360488
SARC	UBE2A	cg00935924	-0.0215522551629765	265	-0.348268232694365	0.727919488508966	0.000464499702610047	0.846112461175108
SARC	UBE2A	cg05206294	0.00501825170544109	265	0.0810733582679966	0.935445746432005	2.51828501791624e-05	0.965569365875401
SARC	UBE2A	cg06206449	0.0213632507928149	265	0.345212663538639	0.730212544524365	0.000456388484436705	0.847435661371689
SARC	UBE2A	cg06273903	-0.0178621063060287	265	-0.288617204812954	0.77310341451637	0.000319054841687871	0.874206826298916

SARC	UBE2A	cg09080960	-0.0457182384985818	265	-0.739373855052802	0.460344466498145	0.00209015733141321	0.650135019729081
SARC	UBE2A	cg14625604	0.0330153963744352	265	0.533670986313082	0.594023377728629	0.00109001639776107	0.755758726973984
SARC	UBE2A	cg15661671	-0.0210329162407814	265	-0.339872346280091	0.734226012008858	0.000442383565591725	0.850178292126355
SARC	UBE2A	cg16211147	-0.0024559359390908	265	-0.0396769790217429	0.968380987940677	6.03162133691783e-06	0.983398495224444
SARC	UBE2A	cg17976175	-0.0235368291981841	265	-0.380354482234914	0.703991654178484	0.000553982328704493	0.830951124979684
SARC	UBE2A	cg18990292	-0.0041835647678722	265	-0.0675881487426548	0.946165237081214	1.75022141669815e-05	0.971272956381985
SARC	UBE2A	cg25165659	-0.00958401331396195	265	-0.154841585147831	0.877065879866191	9.18533112021998e-05	0.934920074586898
SARC	UHRF2	cg06523306	0.130714038973176	265	2.13002530432723	0.0341050701082103	0.0170861599846811	0.108641330231256
SARC	UHRF2	cg08487038	-0.0780622128529736	265	-1.26499378595684	0.207001820869876	0.00609370907550295	0.391841245169991
SARC	UHRF2	cg13428749	-0.0500968003477567	265	-0.810356088402533	0.418473797589281	0.00250968940508299	0.613927821857932
SARC	UHRF2	cg14078101	0.0660273881986713	265	1.06903794451507	0.286040270756872	0.00435961599233804	0.483320981998251
SARC	UHRF2	cg20595300	0.260391296168428	265	4.35705470446215	1.89659608934422e-05	0.067803627120274	0.000228747855349657
SARC	UHRF2	cg24119045	0.086902279558733	265	1.409280826403	0.159942485569538	0.00755200619250418	0.329666905208514
SARC	USP27X	cg00478198	0.15744461632234	265	2.57572047328603	0.0105540172656993	0.024788807208889	0.0444405531349288
SARC	USP27X	cg01125381	0.0607550597331056	265	0.983344555964346	0.326348548359054	0.00369117728317322	0.525858386697492
SARC	USP27X	cg01290688	0.0133927534205166	265	0.216385960167873	0.828855937022031	0.000179365844182758	0.907998049794771
SARC	USP27X	cg01855997	0.152953171075771	265	2.50045587175607	0.0130172369273805	0.0233946725421339	0.0523773109304147
SARC	USP27X	cg06455206	0.0205839958670493	265	0.332615102522668	0.739691835147792	0.000423700885854705	0.85338256893797
SARC	USP27X	cg06624970	0.12417912643209	265	2.02182447563564	0.0442147897444155	0.015420455441437	0.131883185206743
SARC	USP27X	cg16810342	0.13490996754193	265	2.19964670398702	0.0287089282402146	0.0182006993421646	0.0955294222815029
SARC	USP27X	cg16867483	0.103552680949274	265	1.68198717241423	0.0937673285668972	0.0107231577317822	0.227433850245338
SARC	USP27X	cg19318186	0.14813594913556	265	2.41990833199788	0.0162080137329824	0.0219442594262931	0.0619295786023394
SARC	USP51	cg00834229	0.158958395517261	265	2.60112402995769	0.00982209081042845	0.0252677715054221	0.0420068562905509
SARC	USP51	cg01084827	0.151793017741674	265	2.48104080158801	0.013730440404301	0.0230411202351241	0.0545389778305945
SARC	USP51	cg02714202	0.151229924717427	265	2.4716212754691	0.0140888063413264	0.0228704901300386	0.0556103607751354
SARC	USP51	cg03728850	0.12445624898762	265	2.02640735792513	0.0437399684615063	0.0154893579120684	0.130767730160041
SARC	USP51	cg07386410	0.220987109720198	265	3.66065949654382	0.000304443640672081	0.048835302662487	0.0024755815388778
SARC	USP51	cg12064531	0.176466963399023	265	2.89636496255279	0.00409506472184727	0.031140589171272	0.0211380442552841
SARC	USP51	cg12517811	0.0646812979897468	265	1.04715111220494	0.295998641915781	0.00418367030963842	0.493980872019656
SARC	USP51	cg18770944	0.11057554245119	265	1.79742486766369	0.0734240476291985	0.0122269505883749	0.190949321971321
SARC	USP51	cg21331369	0.0874277221861192	265	1.41786728249463	0.157422291607847	0.00764360660665324	0.326800387257005
SARC	USP51	cg25424556	0.142575875958258	265	2.3271583083914	0.0207222322826454	0.0203278804052646	0.0748362544006315
SARC	WDR82	cg01736403	0.0066396386730443	265	0.10726901003508	0.914657977804936	4.40848017085855e-05	0.954910976135513
SARC	WDR82	cg03869063	-0.177050944757696	265	-2.90625954494062	0.00397174383908842	0.0313470370395928	0.0206462350617247
SARC	WDR82	cg10989431	0.113355482470071	265	1.84319418194143	0.0664344580727245	0.0128494654060226	0.177382009586406
SARC	WDR82	cg11442381	-0.18207563584709	265	-2.99152670026024	0.0030414552644916	0.0331515371691221	0.0166420203047549
SARC	WDR82	cg11665333	-0.320077929110424	265	-5.45816459111617	1.11860964488615e-07	0.102449880703618	2.40589214028955e-06
SARC	WDR82	cg12661343	-0.00577737111935886	265	-0.0933378446182629	0.925706775789735	3.33780170508018e-05	0.960884275555555
SARC	WDR82	cg13539115	-0.0795413784865372	265	-1.28911477269197	0.198499516367073	0.00632683089153857	0.381124115922848
SARC	WDR82	cg15991175	-0.199792643668829	265	-3.29416523865762	0.00112372861782158	0.0399171004641798	0.00739838727952029
SARC	WDR82	cg17632831	-0.19522514290783	265	-3.21583637315283	0.00146459900275736	0.0381128564233826	0.00921745933342822
SARC	WDR82	cg24007312	-0.0472235268651007	265	-0.763771528891105	0.445693278952952	0.00223006148957888	0.637650812742362
SARC	WDR82	cg26236504	0.0901007884221262	265	1.46156748787175	0.145062672447111	0.00811815207428875	0.308735552983435
SARC	WDR82	cg26858096	-0.279498296558894	265	-4.70286007230287	4.16093449624405e-06	0.0781192977793233	6.05831439642166e-05
SARC	ZMYND1	cg00614684	-0.163085486364037	264	-2.66535842528087	0.00817204716801691	0.0265968758625944	0.0365260693702216
SARC	ZMYND1	cg02813021	-0.300498828074929	264	-5.08019345694764	7.20512149496272e-07	0.0902995456744055	1.27621862836778e-05
SARC	ZMYND1	cg02867818	-0.356258955004916	263	-6.13604819413046	3.15351265933509e-09	0.126920443021195	9.46832743420742e-08
SARC	ZMYND1	cg03254875	-0.405643263165789	264	-7.15599105651038	8.46730956270187e-12	0.16454645695179	4.07867418031473e-10
SARC	ZMYND1	cg05236965	-0.278528828618967	264	-4.67618918410406	4.70036916565208e-06	0.0775783083718541	6.7440154716477e-05
SARC	ZMYND1	cg08828193	-0.293534055250031	264	-4.95120170511393	1.32821717523258e-06	0.0861622415915283	2.19938967496899e-05
SARC	ZMYND1	cg12639781	-0.102212327467006	264	-1.65680158267047	0.0987657989081877	0.0104473598862225	0.236085007228869
SARC	ZMYND1	cg13939078	0.0655783033179078	264	1.05969944927559	0.290264799556121	0.00430051386605552	0.487823453016243
SARC	ZMYND1	cg14255089	0.142334322874748	265	2.32313402247153	0.0209409033447266	0.020259059468213	0.0754411704547404
SARC	ZMYND1	cg14694828	-0.273079925108195	265	-4.58605081403972	7.01572309196834e-06	0.0745726454970973	9.56336362741519e-05
SARC	ZMYND1	cg17632565	-0.18819012409994	264	-3.08967905160761	0.00222124865514468	0.0354155228087507	0.0129283119765319
SARC	ZMYND1	cg22593633	-0.234080073879012	265	-3.88974691821342	0.000127403531178567	0.0547934809872039	0.00118606567563633
SARC	ZMYND1	cg24757747	-0.19004722540002	265	-3.12730212792495	0.00196396152474411	0.0361179478822458	0.0117192930011462

SKCM	ACTL6A	cg03667091	0.0317541459249187	473	0.688027699890966	0.491775480965108	0.00100832578342103	0.6773580341041
SKCM	ACTL6A	cg03839554	-0.24796390171846	472	-5.53721048410094	5.13108925252689e-08	0.0614860965554423	1.19306168397393e-06
SKCM	ACTL6A	cg07261848	-0.26737916416723	471	-5.99643440331803	4.04221998005935e-09	0.0714916174307666	1.19158946998385e-07
SKCM	ACTL6A	cg10112003	0.0769384157189768	473	1.67116329212743	0.0953565033338113	0.0059195198133461	0.230172462306833
SKCM	ACTL6A	cg20132173	-0.015524163669495	473	-0.33623813869024	0.736841676461468	0.000240999657637268	0.851593528477493
SKCM	ACTL6A	cg22619386	0.151168361919884	473	3.3118230660624	0.000998495118235886	0.022851873645541	0.00670687906914161
SKCM	ACTL6A	cg25198545	0.141066597206135	473	3.08585396428786	0.00214973098133284	0.0198997848473178	0.0125902410571262
SKCM	ACTL6A	cg25575835	0.0657760124572682	473	1.42756366406844	0.154082967642266	0.00432648381477871	0.32150659509059
SKCM	ACTL6B	cg05729836	0.0725471008190874	471	1.57526043308912	0.115870621161359	0.00526308183725483	0.264287070179927
SKCM	ACTL6B	cg08572611	-0.0246825676796367	471	-0.534698653722547	0.593111644762462	0.000609229147259845	0.755258042981629
SKCM	ACTL6B	cg09375063	0.00245807405023093	471	0.0532332149236994	0.957568758086705	6.04212803641869e-06	0.977638042321234
SKCM	ACTL6B	cg14088161	0.0808075905552922	471	1.75574391209366	0.079784899254115	0.0065298669135175	0.202668934387534
SKCM	ACTL6B	cg16024950	-0.0225160947512909	470	-0.487221124899928	0.626329762787598	0.00050697452284911	0.778934624499199
SKCM	ACTL6B	cg20497359	0.0518863032114118	471	1.12518657094629	0.261085469830879	0.00269218846094656	0.456373060106131
SKCM	ACTL6B	cg24471254	-0.0554450350634043	471	-1.20259018662523	0.229741722933707	0.00307415191318214	0.419838562224684
SKCM	ACTL6B	cg26990587	-0.0213427901394995	471	-0.462313474725577	0.644070934009561	0.000455514690938716	0.791108458835396
SKCM	AEBP2	cg02664216	-0.0454284999000018	473	-0.984834871480963	0.325212967369714	0.00206374860316447	0.524703270289722
SKCM	AEBP2	cg07849438	-0.171949308494789	473	-3.78010600899213	0.00017698637273785	0.029566564691836	0.0015670928614578
SKCM	AEBP2	cg08161947	-0.326628817686269	473	-7.48408900180295	3.58995434379809e-13	0.10668638454313	2.16326032704437e-11
SKCM	AEBP2	cg24304000	-0.0590068976940807	472	-1.27874248433871	0.201621486754714	0.00348181397547971	0.384953784282642
SKCM	AEBP2	cg26259627	-0.0775511913278735	473	-1.68455347633438	0.0927400436622755	0.00601418727637244	0.225698695042229
SKCM	AFF4	cg00931577	0.0946720454336541	473	2.05950666871559	0.039997121301991	0.00896279618659187	0.122462848495241
SKCM	AFF4	cg01907658	-0.197442505504042	473	-4.36175896552067	1.58754094644943e-05	0.0389835429797136	0.000195660900488097
SKCM	AFF4	cg05619425	0.0609287191273862	473	1.32195322064479	0.186828123786336	0.00371230881450392	0.365886440143852
SKCM	AFF4	cg06638012	0.023832442010877	473	0.516271721915202	0.605907964793048	0.000567985292201814	0.764448540988589
SKCM	AFF4	cg13393914	-0.0117364078265755	473	-0.254185941128692	0.799463314569867	0.000137743268671702	0.890500777158719
SKCM	AFF4	cg13565585	-0.0719380247016732	473	-1.56196609307149	0.118970461491311	0.00517507939797855	0.269155705265372
SKCM	AICDA	cg07999668	-0.0208877487162312	473	-0.452452317600742	0.651152369918137	0.000436298046432417	0.796035946655324
SKCM	AIRE	cg08089567	0.144666904699203	471	3.16627337723709	0.00164464482735585	0.0209285133152481	0.0101413680801618
SKCM	AIRE	cg09510531	0.0379293753073002	471	0.82200551710468	0.411491445124455	0.00143863751120204	0.607240656676507
SKCM	AIRE	cg11923631	0.0515584390415794	471	1.11805762273366	0.26411474850904	0.00265827263640426	0.459643917261633
SKCM	AIRE	cg12843033	0.227038066798351	471	5.0486705318821	6.37883759480868e-07	0.0515462837755325	1.1486928052096e-05
SKCM	AIRE	cg15955655	0.14770082738246	471	3.2341411386867	0.00130620537779406	0.0218155344094633	0.00838093209444938
SKCM	AIRE	cg16501323	0.112346188368154	471	2.44851611776156	0.0147098142206153	0.0126216660408527	0.0574927294754092
SKCM	AIRE	cg16717549	0.100918028421698	471	2.19673688494043	0.028527804450159	0.0101844484605226	0.0950853478747072
SKCM	AIRE	cg17356252	0.126547000959993	471	2.76276439599671	0.0059566681555418	0.0160141434519684	0.0285112313106638
SKCM	AIRE	cg18689454	0.111309116034288	471	2.42562887614129	0.0156582455663066	0.0123897193123345	0.060317779429822
SKCM	AIRE	cg18876487	0.187844842815562	471	4.14177341482638	4.08794242311771e-05	0.0352856849724032	0.000446465524166811
SKCM	AIRE	cg23272544	0.108758333059981	471	2.36936939461652	0.0182224363105562	0.0118283750099858	0.0677663562723496
SKCM	AIRE	cg27251412	0.0433533523549618	471	0.93976144165802	0.347823684000508	0.00187951316041347	0.54711513605414
SKCM	ARID1A	cg04081153	-0.0674394579287943	473	-1.46382900420081	0.14391057653477	0.00454808048572961	0.307033962947259
SKCM	ARID1A	cg04360147	1.51024347168641e-05	473	0.00032706448545704	0.999739179368473	2.28083534377142e-10	0.99985346304832
SKCM	ARID1A	cg14851949	0.0658439151189354	473	1.42904379695956	0.153657334020793	0.00433542115818957	0.320955866760416
SKCM	ARID1A	cg17385674	-0.00493150682865477	473	-0.106800021769797	0.914993298036568	2.43197596010687e-05	0.955064921876516
SKCM	ARID1A	cg20413923	-0.00426607796756452	473	-0.0923887650052261	0.926428615514347	1.81994212253394e-05	0.961235948561867
SKCM	ARID1A	cg21294655	-0.0930800909034551	473	-2.02456982695165	0.0434777234579023	0.00866390332259547	0.130203873375835
SKCM	ARID1A	cg24542126	-0.127221530008682	473	-2.77773228008529	0.00569339277352264	0.0161853176977499	0.0275203055438934
SKCM	ARID1A	cg25601319	-0.140807132040722	473	-3.08006320593973	0.00219111401587761	0.0198266484335332	0.0127854428256213
SKCM	ARID2	cg00035453	-0.258680999560777	473	-5.79949993447138	1.22394571484761e-08	0.0669158595337626	3.28443024977078e-07
SKCM	ARID2	cg01183821	-0.00128697129022184	473	-0.0278711982050694	0.977776735393556	1.65629510185526e-06	0.988488302337933
SKCM	ARID2	cg01353809	-0.376715991850019	473	-8.80714826067407	2.49784580543117e-17	0.141914938515544	2.566940773946e-15
SKCM	ARID2	cg01751433	-0.116171179482836	473	-2.53300086597842	0.0116339332120453	0.0134957429424333	0.0479702892962029
SKCM	ARID2	cg06613666	0.169957687800019	473	3.73501234778144	0.000210802921605751	0.0288856156423286	0.0018146732857583
SKCM	ARID2	cg07276957	-0.140685311146735	473	-3.07734462373192	0.00221079365542476	0.0197923567724535	0.0128751670631916
SKCM	ARID2	cg23465749	-0.125787280588639	459	-2.70461652488057	0.00709478871592499	0.015822439957885	0.0327458910333236
SKCM	ARID4A	cg02136725	-0.0445935672297249	473	-0.966698138049861	0.334193172860154	0.00198858623827199	0.533742058914399
SKCM	ARID4A	cg06154646	0.200150764359682	473	4.42406708920346	1.20544905621261e-05	0.0400603284737649	0.0001543141416472

SKCM	ARID4A	cg08066755	0.0546432191581983	473	1.18514651532235	0.23655968512026	0.00298588139997089	0.427929172840979
SKCM	ARID4A	cg08790491	-0.201290898863824	473	-4.45032933067038	1.07231811378283e-05	0.0405180259654063	0.000139335084923369
SKCM	ARID4A	cg10064886	0.16960001945424	473	3.72691874554222	0.000217483144106488	0.0287641606598879	0.0018616729437302
SKCM	ARID4A	cg10242170	0.0403513732207724	473	0.874578093539089	0.382251142507723	0.00162823332080207	0.580684346421515
SKCM	ARID4A	cg10844118	-0.247915062382726	473	-5.54195986395041	4.99690803809457e-08	0.0614618781562307	1.16665505376809e-06
SKCM	ARID4A	cg12203852	0.0755649096088045	473	1.64115675593496	0.101435271638772	0.00571005556418679	0.240713059662823
SKCM	ARID4A	cg14272338	-0.0631140779103862	473	-1.36955466573428	0.171481345576214	0.0039833868304783	0.345655277964346
SKCM	ARID4A	cg14460816	-0.105224688336477	473	-2.29151014516153	0.0223763465609602	0.0110722350355086	0.0792076036020993
SKCM	ARID4A	cg17323045	0.115695376744014	473	2.52248540141086	0.011982684857578	0.0133854201999394	0.0490778741362497
SKCM	ARID4A	cg19548283	-0.219163625758113	473	-4.86456355163107	1.56873988713551e-06	0.0480326948554424	2.54618299144211e-05
SKCM	ARID4A	cg20996579	-0.0667341558797818	473	-1.44845099499054	0.148159166821642	0.00445344756098701	0.313108997370104
SKCM	ARID4A	cg26429530	-0.186340905060035	473	-4.10741540567982	4.72118971909154e-05	0.034722932898593	0.000504367252138159
SKCM	ARID4A	cg27026909	-0.158191572186207	473	-3.46954822843258	0.000569464235832377	0.0250245735107438	0.00418446214813865
SKCM	ARID4B	cg05652840	0.118735007490509	471	2.58969329269365	0.00990486765285082	0.0140980020037712	0.0423017403444114
SKCM	ARID4B	cg06212607	-0.03032131127448	471	-0.656952747513504	0.511533535543717	0.000919381917403907	0.693627243983151
SKCM	ARID4B	cg06891548	-0.259571637757355	471	-5.82090751553527	1.08632791178586e-08	0.0673774351280357	2.95488788704437e-07
SKCM	ARID4B	cg07814876	-0.271331779828829	471	-6.1050991138705	2.1560676901615e-09	0.0736209347450803	6.70112384692065e-08
SKCM	ARID4B	cg10107779	0.0488425382483342	471	1.05901787501465	0.290136747502717	0.00238559354253999	0.48768199592123
SKCM	ARID4B	cg11732257	-0.338543717620618	471	-7.79173776076485	4.2905004114163e-14	0.114611848740388	2.9801356161225e-12
SKCM	ARID4B	cg22596515	0.156391262622026	471	3.42906700873957	0.000659103893930991	0.0244582270245116	0.00473928536135202
SKCM	ARID4B	cg23687319	-0.329603883292845	471	-7.56052334501869	2.13046855097755e-13	0.108638719881723	1.33659411657054e-11
SKCM	ARID4B	cg26020585	0.180458975724634	471	3.97332519279621	8.20301478360631e-05	0.0325654419195841	0.000810961153991447
SKCM	ASH1L	cg03119126	-0.102316498454778	473	-2.2274979594966	0.0263877488669917	0.0104686658560467	0.0896853744313318
SKCM	ASH1L	cg08095278	0.184851434468358	473	4.07341738697311	5.43892534016751e-05	0.0341700528250095	0.000570772197752499
SKCM	ASH1L	cg09410084	0.234602921069304	473	5.22652204215737	2.60491732643067e-07	0.0550385305742503	5.13810695974512e-06
SKCM	ASH1L	cg10558228	-0.225642277934096	473	-5.01596171846249	7.49989243706431e-07	0.0509144375912878	1.32180931637739e-05
SKCM	ASH1L	cg17038116	0.0880550258076602	473	1.91439179070769	0.0561782805636144	0.0077536875699877	0.156957806283789
SKCM	ASH1L	cg20064047	-0.0619901795866939	472	-1.34363676323818	0.179716961765927	0.00384278236519056	0.356708148219306
SKCM	ASH1L	cg21852905	-0.19163925282248	473	-4.22859295302372	2.82822124837893e-05	0.0367256032223584	0.000323652020883187
SKCM	ASH1L	cg23821590	-0.178550132477043	473	-3.92990485174179	9.77763005347585e-05	0.0318801498075697	0.00094560038833926
SKCM	ASH1L	cg24312492	-0.124303816816778	473	-2.713015747175	0.00691266557934727	0.015451438875219	0.0320938115349571
SKCM	ASH1L	cg26185843	-0.360617602791893	473	-8.37307464690113	6.53283150674004e-16	0.130045055443372	5.65941084894582e-14
SKCM	ASH2L	cg00590869	0.179247243042299	473	3.94575664035353	9.1722098013091e-05	0.0321295741382651	0.000894500299966203
SKCM	ASH2L	cg01642070	-0.104051347777233	473	-2.2656766819936	0.0239263024958278	0.0108266829742587	0.0834038076963942
SKCM	ASH2L	cg02897270	0.0181137558312297	473	0.392343254362947	0.694982844400267	0.000328108150313409	0.825099890078356
SKCM	ASH2L	cg03189282	-0.299491825853796	473	-6.79795077048194	3.23690374992499e-11	0.0896953537532404	1.39817707008142e-09
SKCM	ASH2L	cg03705346	0.0925744484727076	473	2.0134763501172	0.0446352682285455	0.00857002851002599	0.13280639702331
SKCM	ASH2L	cg10062221	0.010669108746823	473	0.231067721759321	0.817362958735419	0.000113829881451535	0.901825807168877
SKCM	ASH2L	cg21453287	-0.0370268310556546	473	-0.802418394846971	0.422717387242618	0.00137098621802399	0.617799487120055
SKCM	ASH2L	cg24318412	0.0864795791173448	473	1.87987977147694	0.0607440938818796	0.00747871760431309	0.166134370673848
SKCM	ASH2L	cg27255459	0.180679627090692	473	3.97834731725278	8.03725638857068e-05	0.0326451276456317	0.000797716666869695
SKCM	ASXL1	cg00174466	-0.0648957402506253	473	-1.40837740669524	0.159681894902659	0.00421145710267663	0.32933782263733
SKCM	ASXL1	cg04218270	-0.170973727317074	473	-3.75801127238397	0.000192859878636934	0.0292320154326931	0.00168368773411308
SKCM	ASXL1	cg09065199	0.0294697532770481	473	0.638486307711041	0.523468816467487	0.000868466358210087	0.702848721105497
SKCM	ASXL1	cg10421984	-0.273309824651003	473	-6.15318504049908	1.6299076279419e-09	0.0746982602507622	5.17538914318825e-08
SKCM	ASXL1	cg12592359	-0.166968314822453	473	-3.66741614756824	0.000273075250792729	0.0278784181546497	0.00225731761344911
SKCM	ASXL1	cg16926526	0.0123530980042591	473	0.267544142583068	0.789167846179738	0.000152599030302831	0.883982733334658
SKCM	ASXL1	cg18793288	-0.212291107303501	473	-4.70469950547389	3.35010955616405e-06	0.0450675142401467	4.98409682180581e-05
SKCM	ASXL1	cg24727216	-0.156239517450331	473	-3.42565651972698	0.000667228252523628	0.0244107868131124	0.004787391955407
SKCM	ASXL2	cg05165989	0.314619361774091	473	7.17804107442989	2.78569492490954e-12	0.0989853428031363	1.47368272613057e-10
SKCM	ASXL2	cg05496738	-0.0821325508229159	473	-1.78472586525218	0.0749520355799765	0.00674575590467886	0.193792164846739
SKCM	ASXL2	cg06583696	0.267161911071373	473	6.00400286636839	3.86007069590026e-09	0.0713754867273081	1.14048742771312e-07
SKCM	ASXL2	cg09476286	-0.0214523638178945	473	-0.464688077649331	0.642370497859835	0.000460203913375308	0.78997997713722
SKCM	ASXL2	cg19084174	-0.152068995002741	473	-3.33201996395253	0.000930337317654431	0.0231249792411436	0.00632314007422757
SKCM	ASXL2	cg20667782	0.205519936235206	473	4.54790807147866	6.90680265491145e-06	0.0422384441901232	9.43970143598352e-05
SKCM	ASXL2	cg24738909	-0.0222382980215283	473	-0.481720781633916	0.6302290102666652	0.000494541898894309	0.781766712103262
SKCM	ASXL3	cg09963640	-0.0738908895412587	473	-1.60459767637898	0.109255505658334	0.00545986355719849	0.253676251520205

SKCM	ASXL3	cg12361352	-0.0144382637364141	475	-0.312713524170238	0.754637319197082	0.00020846345972225	0.862984632713743
SKCM	ASXL3	cg17880622	-0.0160918898209988	475	-0.348537658328601	0.727592839020021	0.000258948918011165	0.845937718173678
SKCM	ASXL3	cg20034091	-0.0250655551845516	475	-0.543000491038524	0.587387423866718	0.000628282056709802	0.751282661328499
SKCM	ASXL3	cg20329085	-0.0252642631901892	475	-0.547307883651646	0.58442756497588	0.000638282994543151	0.749078036349631
SKCM	ASXL3	cg24880056	-0.0454731941853737	475	-0.985805796172974	0.324736707234755	0.00206781138942071	0.524087036130957
SKCM	ASXL3	cg27109877	-0.0265355833867566	475	-0.574867844323407	0.565656333542513	0.00070413718567551	0.734978784224478
SKCM	ATAD2B	cg08192560	0.0112224777270266	475	0.243053860564274	0.808069937743325	0.000125944006333609	0.896071396311034
SKCM	ATAD2B	cg14009731	-0.149977077469782	475	-3.28512120288085	0.00109573295759008	0.0224931237663769	0.0072422642058422
SKCM	ATAD2B	cg15717719	0.12816784416746	475	2.7987377177575	0.00534166710999488	0.0164269962785344	0.0261401302858993
SKCM	ATAD2B	cg16929802	0.107033544250517	475	2.33135476268379	0.0201574206354104	0.0114561795948275	0.0732632396239541
SKCM	ATAD2B	cg17933838	0.0159455294246908	475	0.344998406150759	0.730250563784378	0.00025425990863368	0.847441857495105
SKCM	ATAD2B	cg19614157	-0.0730316063100179	475	-1.58583702727006	0.113450258176491	0.00533361552022145	0.260592129915975
SKCM	ATAD2B	cg20806130	-0.119537121238781	475	-2.60744069681516	0.00941290841565309	0.0142891233540551	0.0406476712343778
SKCM	ATAD2B	cg27610867	-0.138539451959658	475	-3.02948040715966	0.00258499419476483	0.0191931797492822	0.0146209857777763
SKCM	ATAT1	cg01245721	-0.173847928372661	471	-3.82313843653312	0.000149542870468034	0.0302231021994657	0.00135858204661804
SKCM	ATAT1	cg05093836	-0.00734784896154487	471	-0.159132309672665	0.873633136076975	5.3990884361676e-05	0.933118113697488
SKCM	ATAT1	cg06814856	-0.08777804561901	471	-1.90832317142957	0.0569597064127404	0.007704985292693	0.15854885504053
SKCM	ATAT1	cg07142893	-0.104519839003897	471	-2.27599030963397	0.0232966445771756	0.0109243967454005	0.0817254623494487
SKCM	ATAT1	cg07816366	-0.0955180669764973	471	-2.07807982509654	0.0382453106658007	0.00912370111892663	0.118432278398826
SKCM	ATAT1	cg08081524	-0.201763552484021	471	-4.46122211318286	1.02133687887402e-05	0.0407085311109722	0.000133468639602093
SKCM	ATAT1	cg08188471	-0.390160632511257	445	-8.9187725545129	1.24764769774018e-17	0.152225319161584	1.32776340626539e-15
SKCM	ATAT1	cg08635134	-0.0893554183363894	471	-1.94288931953812	0.0526275846463692	0.00798439078607116	0.149756998863848
SKCM	ATAT1	cg09532691	-0.364368245670477	471	-8.4734124949455	3.10401696890837e-16	0.132764218452981	2.81766506510219e-14
SKCM	ATAT1	cg12907138	-0.0713742705625841	471	-1.54966256415068	0.121897028688696	0.00509428649834096	0.273651846876415
SKCM	ATAT1	cg13542073	-0.251315544071807	471	-5.62306293478981	3.226690844494e-08	0.0631595026921085	7.88123037854211e-07
SKCM	ATAT1	cg13964084	-0.071812971099178	471	-1.55923675861962	0.119614856476942	0.00515710281809137	0.270142197781085
SKCM	ATAT1	cg15381130	-0.0860893049871524	471	-1.87133256243981	0.0619213263756006	0.00741136843317094	0.168483357142579
SKCM	ATAT1	cg15729859	-0.102878935026591	471	-2.23987319873881	0.0255668802165721	0.0105840752722055	0.087634379607332
SKCM	ATAT1	cg18298197	-0.0956566056484202	471	-2.08112166942712	0.0379647342801235	0.00915018620417738	0.117821152234283
SKCM	ATAT1	cg20629923	-0.0783747694064118	471	-1.70255307951618	0.0893143368028469	0.00614260447950822	0.219647820859251
SKCM	ATAT1	cg22759096	-0.369121923660717	471	-8.60126803898782	1.19171868035314e-16	0.136250994526988	1.1431388781676e-14
SKCM	ATAT1	cg23328390	-0.100924580177082	471	-2.19688096806613	0.0285174409214218	0.0101857708839203	0.0950589510258413
SKCM	ATAT1	cg26934609	-0.0953814331297989	471	-2.07507992370183	0.0385237485514003	0.0090976177858943	0.11906700416399
SKCM	ATF7IP	cg00236831	0.0964809596393863	475	2.0992242468895	0.036331047559852	0.0093085755729369	0.114047999107059
SKCM	ATF7IP	cg11409060	-0.0874110635777124	475	-1.90028330374393	0.0580089112809498	0.00764069403578688	0.160624497034711
SKCM	ATF7IP	cg12526346	-0.0679312755887748	475	-1.47455362306629	0.141003518438389	0.00461465820311807	0.302875105983268
SKCM	ATF7IP	cg12948116	-0.0860942676932934	475	-1.87144124286191	0.0619062394519891	0.00741222292964446	0.168454090451854
SKCM	ATF7IP	cg17439009	0.0246362580106201	475	0.533694837171743	0.5938055228699	0.000606945208765845	0.755664177686296
SKCM	ATF7IP	cg19789919	0.0493681427689948	475	1.07044187698401	0.284971025387758	0.00243721352045986	0.48215567865798
SKCM	ATF7IP	cg21275967	0.00833085326562027	475	0.180422616927617	0.856898733190117	6.9403116133296e-05	0.923827400164829
SKCM	ATF7IP	cg26637901	-0.0369075425958924	405	-0.737730212939382	0.461112043943343	0.00136216670046761	0.650720449519044
SKCM	ATM	cg01756564	-0.332054678999655	471	-7.62367797690754	1.38016305065515e-13	0.110260309845564	8.9548293880456e-12
SKCM	ATM	cg01800843	-0.241214420584167	471	-5.38278146782371	1.16116607360108e-07	0.0581843966977554	2.48573895238642e-06
SKCM	ATM	cg01991180	-0.105606329110122	471	-2.29991481814227	0.0218913257070338	0.0111526967481154	0.0779696818996883
SKCM	ATM	cg02105423	0.135786703236742	471	2.96814288276822	0.00314934157151901	0.018438028775903	0.0171376523653295
SKCM	ATM	cg03165700	-0.148402252749214	471	-3.24984497855431	0.00123768642121794	0.0220232286210415	0.00801855844014296
SKCM	ATM	cg03569616	-0.253908651127198	470	-5.67899483069427	2.38204084896241e-08	0.0644696031172331	6.02433308856248e-07
SKCM	ATM	cg04709886	-0.313549635943746	471	-7.15096921129719	3.32873336260211e-12	0.0983133742004559	1.73098585033602e-10
SKCM	ATM	cg04826772	0.188060608716499	471	4.14670513615684	4.00397238039754e-05	0.0353667925508201	0.000438402571936167
SKCM	ATM	cg05033322	-0.184625865403946	471	-4.06827118476056	5.55621608549507e-05	0.0340867101761559	0.00058167174559952
SKCM	ATM	cg05637308	-0.0707738767738682	471	-1.53656104230114	0.125075171247395	0.00500894163360268	0.278519986683439
SKCM	ATM	cg06053805	-0.314680745673594	471	-7.1795945398754	2.75731143123165e-12	0.099023971697689	1.46019254922556e-10
SKCM	ATM	cg06081482	-0.351624840658932	471	-8.13438462113627	3.73929026615372e-15	0.123640028568419	2.94129774484492e-13
SKCM	ATM	cg06750635	-0.270645588535851	471	-6.08843747440875	2.37455654670259e-09	0.073249034593917	7.32749908743281e-08
SKCM	ATM	cg09808176	-0.0988369222024404	471	-2.15098468185592	0.0319876117368795	0.00976873719045125	0.103517556205981
SKCM	ATM	cg10610482	-0.382301305700718	471	-8.95988636859358	7.7082560598168e-18	0.146154288340473	8.32855655440817e-16
SKCM	ATM	cg10976287	-0.292754117187142	470	-6.62342707962598	9.65907002273167e-11	0.0857049731300229	3.87728427940345e-09

SKCM	ATM	cg11588932	-0.185190583151439	471	-4.08115608444156	5.26696793075356e-05	0.0342955520879701	0.000554600031409099
SKCM	ATM	cg12019961	-0.304320867918851	428	-6.59386154783958	1.27120625527847e-10	0.092611190650883	4.97946724184962e-09
SKCM	ATM	cg12106634	-0.0868921505975006	471	-1.88891625244964	0.0595197656212654	0.00755024583545873	0.163729867282204
SKCM	ATM	cg12848864	-0.256498694703739	471	-5.74711241582509	1.63633153766817e-08	0.065791580384722	4.28032197852581e-07
SKCM	ATM	cg14761454	-0.157396796201717	463	-3.42210759237996	0.000676750685271532	0.0247737514545649	0.00484245242917711
SKCM	ATM	cg15370815	0.228016825740752	471	5.07162624722194	5.69072309279167e-07	0.0519916728208886	1.03774991158142e-05
SKCM	ATM	cg15504467	-0.203395279793286	471	-4.49885195342741	8.62493931556018e-06	0.0413696398421892	0.000114797534678823
SKCM	ATM	cg16693212	-0.0522723438764144	471	-1.1335809535878	0.257549480890695	0.00273239793433412	0.452071397030929
SKCM	ATM	cg16788234	0.150656066326072	471	3.30033849262364	0.00103929153461155	0.0226972503208459	0.00693342300347921
SKCM	ATM	cg17114932	-0.282482859489161	471	-6.37729632670497	4.32355213772239e-10	0.0797965659051731	1.52538056690238e-08
SKCM	ATM	cg17420659	-0.129010432822883	471	-2.81744728829172	0.00504508825622041	0.0166436917771476	0.0249588296219021
SKCM	ATM	cg18042593	-0.141954995652264	471	-3.1056862133558	0.00201338864558891	0.0201512207906343	0.0119619334271379
SKCM	ATM	cg18391757	-0.256819595546559	471	-5.75480990415014	1.56819509674907e-08	0.0659563046566981	4.11315473218129e-07
SKCM	ATM	cg18457775	-0.30087678040147	471	-6.83250802375926	2.60103077202634e-11	0.0905268369847543	1.14189948012989e-09
SKCM	ATM	cg19288979	0.235939914844475	471	5.25805838778879	2.21647864345599e-07	0.0556676434168182	4.4384401533494e-06
SKCM	ATM	cg20342375	-0.330296028557883	471	-7.57834179455211	1.88537679199587e-13	0.10909546648111	1.19633770111359e-11
SKCM	ATM	cg22477592	-0.202327970821174	471	-4.47423396405332	9.63479017805115e-06	0.0409366077766137	0.000126695210803129
SKCM	ATM	cg22678707	-0.221236910331102	471	-4.91239892709731	1.24174945471851e-06	0.048945770492852	2.07164179884993e-05
SKCM	ATM	cg22837512	-0.275366557405074	471	-6.2032733283109	1.21559842481339e-09	0.0758267409371219	3.96006130066719e-08
SKCM	ATM	cg23275463	-0.246408860968265	471	-5.50610624239555	6.05269210940816e-08	0.0607173267636775	1.38570668028045e-06
SKCM	ATM	cg23389069	-0.14127586016219	471	-3.0905247794542	0.00211687661073721	0.0199588686645666	0.0124352713928634
SKCM	ATM	cg24030675	-0.295212042934662	471	-6.69145893949245	6.31627314739897e-11	0.0871501502936567	2.60120779898759e-09
SKCM	ATM	cg24568245	-0.308972675827188	471	-7.03547776399933	7.07481519034552e-12	0.0954641144078129	3.45932226849616e-10
SKCM	ATM	cg25400013	-0.279558983507902	471	-6.3056593291583	6.63519639805483e-10	0.0781532252599714	2.26352881647699e-08
SKCM	ATM	cg25740661	0.166153002143753	471	3.64899830844154	0.000292828064968822	0.0276068201213819	0.00239615719850474
SKCM	ATM	cg25918541	-0.102471561657074	471	-2.23090958453985	0.0261592004842032	0.0105004209484395	0.0891508508888529
SKCM	ATM	cg27453365	-0.0826017379597332	471	-1.79499106010272	0.0732988736654734	0.00682304711396843	0.19069669513517
SKCM	ATM	cg27599391	-0.28233535223266	470	-6.36687910222103	4.61060749238634e-10	0.0797132511203404	1.61785114687733e-08
SKCM	ATR	cg00911981	0.194602721549871	473	4.29653646697959	2.1104284713175e-05	0.0378702192346168	0.000250884279489109
SKCM	ATR	cg00969988	-0.069096394198731	473	-1.49996462553257	0.134296410295982	0.00477431169126642	0.292580232512761
SKCM	ATR	cg11458642	0.179234709642012	473	3.94547158579546	9.18277603269376e-05	0.0321250811404562	0.000895418499232111
SKCM	ATR	cg11936145	-0.143481290263222	473	-3.13977651166289	0.00179748453142751	0.0205868806555989	0.0108953195519506
SKCM	ATR	cg15135999	0.172802280508567	473	3.79943330996181	0.00016411958910863	0.0298606281489613	0.00146989630613824
SKCM	ATR	cg15291273	0.0102077351778966	473	0.221074394048913	0.825130721048467	0.000104197857462067	0.906029113780554
SKCM	ATR	cg15480357	-0.0093072034397103	473	-0.201569323989059	0.840340823707674	8.66240358681552e-05	0.914442216247234
SKCM	ATR	cg16031872	0.0432546184725076	473	0.937617191799965	0.348923751323261	0.0018709620192022	0.547983547790047
SKCM	ATR	cg17945282	-0.0651140538839315	473	-1.41313542238738	0.15827922346511	0.00423984001319954	0.32739095746463
SKCM	ATR	cg20032934	-0.237169679072615	473	-5.28709336799423	1.90891836536212e-07	0.0562494566714073	3.88918930386495e-06
SKCM	ATR	cg20636078	-0.0249526115756069	473	-0.540552241634961	0.589072854209605	0.00062263282444311	0.752445814195517
SKCM	ATR	cg24631870	-0.0634721107717116	473	-1.37735519813059	0.169059414159582	0.00402870884581642	0.342388005444405
SKCM	ATR	cg24856922	0.108255428731634	473	2.3582830793046	0.0187691462220387	0.01171923784987	0.0693278593262831
SKCM	AURKB	cg02245743	-0.0140761566270096	473	-0.304869193171814	0.760601021806176	0.000198138185388106	0.866810170964661
SKCM	AURKB	cg04612488	-0.109525858569151	473	-2.38629272506791	0.0174148485374576	0.0119959136953096	0.065470008274768
SKCM	AURKB	cg05617798	-0.0593272762487525	473	-1.2870827755547	0.198700286357147	0.00351972570709579	0.381365390333681
SKCM	AURKB	cg05811247	-0.141648491436824	473	-3.09884307399679	0.00205950748221302	0.0200642951263279	0.0121798702068855
SKCM	AURKB	cg11009596	-0.0890046084217645	473	-1.93520049475247	0.0535665336219595	0.00792182032031162	0.151726011891015
SKCM	AURKB	cg12844497	-0.101843931129737	473	-2.21710177438933	0.0270949053009232	0.0103721863079587	0.0914972028901342
SKCM	AURKB	cg13678641	-0.12466987899746	473	-2.721131255166	0.00674783438656879	0.0155425787292412	0.0314618536571011
SKCM	AURKB	cg21724796	-0.132654574027266	473	-2.89843698555557	0.00392600864618227	0.0175972360103554	0.0204663885693965
SKCM	BAP1	cg00794529	-0.168035916903143	473	-3.69154488979064	0.000249089256497105	0.02823606936948	0.00208563659669958
SKCM	BAP1	cg02503646	-0.0684123790859831	473	-1.48504565283227	0.138203537706717	0.00468025361220426	0.298558940666916
SKCM	BAP1	cg03075736	-0.104816106651739	473	-2.28251330141899	0.0229059017759086	0.0109864162136287	0.0806650105619464
SKCM	BAP1	cg05442719	0.010767004366716	473	0.233188154602925	0.815717041075642	0.000115928383032881	0.900838957070414
SKCM	BAP1	cg05908979	0.0407791983285473	473	0.883866165205864	0.37722131988632	0.001662943016319	0.575753013777716
SKCM	BAP1	cg09096430	-0.0609676916467407	473	-1.32280195016626	0.186545860549974	0.00371705942473206	0.365548486962533
SKCM	BAP1	cg10449522	-0.0519085239222141	473	-1.12566974242544	0.260881033196446	0.00269449485578307	0.456128446453103
SKCM	BAP1	cg10956904	-0.103102851780536	473	-2.24480062172986	0.0252462583393022	0.0106301980452793	0.0868530235372428

SKCM	BAP1	cg11234564	0.00799258225725054	473	0.173096149857514	0.862650528984214	6.38813711389161e-05	0.926933179350515
SKCM	BAP1	cg12859382	0.0483555161475794	473	1.04843324841747	0.294979018312449	0.00233825594189881	0.492860776430384
SKCM	BAP1	cg16841708	-0.0190747797773323	473	-0.413166381640395	0.679673550196289	0.000363847223553724	0.815172350399614
SKCM	BAP1	cg24291822	-0.0873731466469806	473	-1.89945266152515	0.0581182227913248	0.00763406675499478	0.160852747396767
SKCM	BAP1	cg24747396	0.0223468425714865	473	0.484073220057951	0.628559861930918	0.0004993813729148	0.780659768173026
SKCM	BAP1	cg25749966	-0.135411342308059	473	-2.95978444514416	0.00323441696193221	0.0183362316256703	0.0175087490875064
SKCM	BAZ1A	cg05294307	0.0720008963621992	463	1.5566573513846	0.120232171963913	0.00518412907696015	0.271064208710389
SKCM	BAZ1A	cg07414384	-0.150043296301558	473	-3.28660506935949	0.00109010663422861	0.0225129907650371	0.00720997751259826
SKCM	BAZ1A	cg23422263	-0.0965503412544789	473	-2.10074804567794	0.0361963153414656	0.00932196839635632	0.113712238245527
SKCM	BAZ1A	cg26967526	0.0554391633472302	473	1.20246243778133	0.22979113922309	0.00307350083264087	0.419873895444022
SKCM	BAZ1B	cg00525989	0.223188264118938	473	4.9585329687937	9.94461140133889e-07	0.0498130012404249	1.70227816927436e-05
SKCM	BAZ1B	cg04742505	0.270336465780923	473	6.08093483551567	2.47986910342545e-09	0.07308180473092	7.63430696604194e-08
SKCM	BAZ1B	cg05166819	0.0505231085596608	473	1.0955481767601	0.273838810278704	0.00255258449853127	0.470230798199673
SKCM	BAZ1B	cg06059318	0.157781941223013	473	3.4603342872341	0.000588804429774602	0.0248951409761022	0.00430562207854464
SKCM	BAZ1B	cg06394887	0.186516510511436	473	4.11142562868216	4.64273158532638e-05	0.0347884086933627	0.00049700930363132
SKCM	BAZ1B	cg14093368	0.0793982614533297	473	1.72492676840573	0.0851994692970696	0.0063040839218113	0.212388858803703
SKCM	BAZ1B	cg15636799	-0.307253861772999	473	-6.99224678621863	9.35885249308098e-12	0.0944049355744209	4.46390294817132e-10
SKCM	BAZ1B	cg19160975	-0.290483370599121	473	-6.57431033810545	1.30520404545593e-10	0.0843805885946261	5.09724114017062e-09
SKCM	BAZ1B	cg20612831	0.0450256016347095	473	0.976082702231279	0.329526665116356	0.00202730480256756	0.529160850161251
SKCM	BAZ1B	cg21340129	-0.032350589365045	473	-0.700964453677134	0.483672824437224	0.00104656063226576	0.670514435782333
SKCM	BAZ1B	cg25710357	0.297246112247419	473	6.74201612811389	4.60334500417106e-11	0.0883552512462052	1.93888804144279e-09
SKCM	BAZ2A	cg14634319	0.241470114521363	473	5.38884046442505	1.12490655298351e-07	0.0583078162069601	2.41676278328635e-06
SKCM	BAZ2A	cg18206859	0.171730690249626	473	3.77515379987568	0.0001804331772282	0.0294914299736131	0.00159145335479485
SKCM	BAZ2A	cg18955060	-0.115506106437643	473	-2.51830292825211	0.012123963624076	0.0133416606243841	0.0495571472347291
SKCM	BAZ2A	cg25683012	0.212916203303163	473	4.7192094171006	3.12990372876528e-06	0.0453333096290337	4.69419183874237e-05
SKCM	BRD7	cg03021120	-0.315627570978317	473	-7.20358390100144	2.35370086581062e-12	0.0996207635616728	1.26365635027516e-10
SKCM	BRD7	cg16433860	-0.205469435658703	473	-4.5467412898092	6.94355572714701e-06	0.0422176889899061	9.4809396323131e-05
SKCM	BRD7	cg16834187	0.0194090108730256	473	0.420408648466161	0.674379502823264	0.000376709703069227	0.811724790207874
SKCM	BRD8	cg01096096	-0.00075090613382290	473	-0.0162619340591239	0.987032341198052	5.63860021812859e-07	0.993173126785421
SKCM	BRD8	cg03204906	-0.304603708128219	473	-6.92573894973584	1.43555528049936e-11	0.0927834190054611	6.61597082293645e-10
SKCM	BRD8	cg03684156	-0.0905566660229407	473	-1.96922302884576	0.049515703545013	0.00820050976119043	0.143274887075408
SKCM	BRD8	cg07430605	0.140798293305508	473	3.07986595395512	0.00219253647210818	0.019824159397744	0.0127918240821346
SKCM	BRD8	cg07632946	-0.201780738842655	473	-4.46161825142766	1.01952731763121e-05	0.0407154665678878	0.000133276941938838
SKCM	BRD8	cg08976717	0.0826775019759022	473	1.79664878922143	0.0730347314952335	0.00683556933297532	0.190219421538726
SKCM	BRD8	cg11110536	0.0515020225607461	473	1.11683096181276	0.264638431233191	0.0026524583278476	0.460236119989154
SKCM	BRD8	cg11346339	0.0522740937819063	473	1.1336190061154	0.257533528173314	0.00273258088071954	0.452063795539393
SKCM	BRD8	cg12964860	-0.358595504953338	473	-8.31917339669123	9.71801499503058e-16	0.128590736172739	8.30772811564186e-14
SKCM	BRD8	cg14473243	0.0615513951662871	473	1.3355143644279	0.182355827044649	0.00378857424691644	0.360073841543008
SKCM	BRD8	cg22106577	0.100927109472968	473	2.19693659122996	0.0285134409607409	0.0101862814265685	0.0950537635455896
SKCM	BRD8	cg22818036	-0.119677496932536	473	-2.6105471521106	0.00932908204280645	0.0143227032720371	0.0403843196504415
SKCM	BRD8	cg23298160	-0.0607838513588986	473	-1.31879839561521	0.187880103447326	0.00369467658602068	0.367309689136076
SKCM	BRD8	cg26008208	-0.133495176872713	473	-2.91713592696688	0.00370212764657245	0.0178209622482768	0.0194873346056876
SKCM	BRD8	cg26630792	0.131088404037069	473	2.86361498188833	0.00437608123456795	0.0171841696729859	0.0223098240221987
SKCM	BRD8	cg27119451	-0.0386083532525648	473	-0.836742102117926	0.403163683557579	0.00149060494087483	0.599654237781356
SKCM	BRD9	cg02364331	0.0676951384214422	473	1.46940426107397	0.142393622911968	0.00458263176589822	0.304825798041101
SKCM	BRD9	cg02822723	0.224959433394133	473	4.99997186157746	8.11502432288193e-07	0.0506067466730092	1.42088724324618e-05
SKCM	BRD9	cg05193570	-0.0343117539850131	473	-0.743507130631424	0.457546999210815	0.00117729646152806	0.647712837220332
SKCM	BRD9	cg07308931	-0.239065209142781	473	-5.33190002676148	1.51388119581834e-07	0.0571521742224817	3.15316931050849e-06
SKCM	BRD9	cg09497020	-0.0940738393708056	473	-2.04637665597459	0.0412763448542192	0.00884988725396414	0.125236036333429
SKCM	BRD9	cg10551270	0.019385464121095	473	0.419898422469431	0.674751949283531	0.000375796219190263	0.811964299893796
SKCM	BRD9	cg10600960	-0.173990079610827	473	-3.82636207198014	0.000147657761155368	0.0302725478029818	0.00134412448763406
SKCM	BRD9	cg13722821	0.0835888276314488	473	1.81659121060169	0.0699179249881987	0.00698709210480005	0.184223371940116
SKCM	BRD9	cg17977043	-0.113628216996427	473	-2.47682053100253	0.0136073959584576	0.012911371697787	0.0541885723671487
SKCM	BRD9	cg20079193	0.0514916413589428	473	1.11660524499262	0.264734871799805	0.00265138912983799	0.460342094344718
SKCM	BRD9	cg21160852	0.1324547568387	473	2.89399305427665	0.00398099834296479	0.0175442626091991	0.0206768450455737
SKCM	BRD9	cg21758832	0.0996359003991044	473	2.16854646030258	0.0306190957610532	0.00992731264834025	0.100205373591156
SKCM	BRD9	cg21910709	-0.125512521239823	473	-2.73981672066578	0.00638171573036858	0.015753392987977	0.0301046218992729

SKCM	BRD9	cg24953233	0.0931715072303413	475	2.02657561205732	0.0432711696710206	0.00868092975957354	0.129725129037241
SKCM	BRD9	cg25523559	0.0625322402627151	475	1.35687918547649	0.175472295859852	0.00391028107227393	0.351170296977808
SKCM	BRD9	cg25951128	0.0889341422447899	475	1.93365615031592	0.0537568095562336	0.00790928165681652	0.152128322966693
SKCM	BRD9	cg26504197	0.107450400620015	475	2.34054038145071	0.0196740780812091	0.0115455885934017	0.0719029047378363
SKCM	BRDT	cg00308185	0.0383258751756282	471	0.830611038278886	0.406616022384709	0.00146887270797783	0.602852753814412
SKCM	BRDT	cg01515515	-0.0839285113849488	471	-1.82402563773533	0.0687843843088279	0.00704399502329347	0.181981756882605
SKCM	BRDT	cg02935097	-0.0738320042786884	471	-1.60331192583661	0.109539007351448	0.00545116485580826	0.254190357293238
SKCM	BRDT	cg03421440	-0.103021209499394	471	-2.24300399426093	0.0253627561673892	0.010613369606718	0.0871420481090839
SKCM	BRDT	cg06442199	-0.127929146437254	471	-2.79343858791462	0.00542849123168375	0.0163658665081643	0.0264900292860122
SKCM	BRDT	cg09250199	0.0737999804061343	469	1.59919196126678	0.110454253788954	0.00544643710794581	0.255764919015892
SKCM	BRDT	cg13299824	-0.103019855040788	471	-2.24297418830807	0.0253646927889515	0.010613090532625	0.0871448531918779
SKCM	BRDT	cg14732540	-0.0929127522136941	471	-2.02089834687138	0.0438579737040746	0.00863277952392333	0.131065120095835
SKCM	BRDT	cg19245011	-0.0781792820436371	471	-1.69828031494001	0.0901181364486341	0.00611200014085857	0.220996179384248
SKCM	BRPF1	cg04879506	-0.0784724065356208	475	-1.70468720685949	0.0889150358800275	0.00615791858749175	0.218976127357795
SKCM	BRPF1	cg13694772	0.147017226950666	475	3.21884117234093	0.00137632465635936	0.0216140650202638	0.00875754951061836
SKCM	BRPF1	cg14712964	-0.00135388731989282	475	-0.0293203628246452	0.97662155900886	1.83301087496655e-06	0.987654176945534
SKCM	BRPF1	cg17738494	0.219515299562265	475	4.87276416177307	1.50799768756851e-06	0.0481869667419109	2.45733498338301e-05
SKCM	BRPF1	cg20952324	0.152908032328532	475	3.3508432069491	0.000870732554985018	0.0233808663505833	0.00597982080866361
SKCM	BRPF1	cg25467642	-0.0570096708329712	475	-1.23663591397011	0.216841178387905	0.00325010256848373	0.404143330893836
SKCM	BRPF1	cg26227975	-0.074850577599998	475	-1.62555470436971	0.104716155643606	0.00560260896705333	0.246178375151512
SKCM	BRPF3	cg01499736	-0.0551417749558929	475	-1.19599242752764	0.232303820008434	0.00304061534528633	0.422901349629938
SKCM	BRPF3	cg05882415	-0.136438867158745	475	-2.98266819498263	0.00300635062326835	0.0186155644715617	0.016491047834335
SKCM	BRPF3	cg10562781	0.169111201458915	475	3.71586077434032	0.000226932878756948	0.0285985984588777	0.00193087787050399
SKCM	BRPF3	cg14654948	-0.333059869178648	475	-7.64963081905267	1.153744212358e-13	0.110928876457298	7.58701413830751e-12
SKCM	BRPF3	cg18779695	0.0980429162794193	475	2.1335363574288	0.0333990502527177	0.00961241343257322	0.106901695756425
SKCM	BRPF3	cg23517469	0.0841315738875549	475	1.82847023419555	0.0681139743297199	0.00707812172479711	0.180762042676067
SKCM	BRWD3	cg03164831	-0.0667881461520704	472	-1.44962809113794	0.147830602288011	0.00446065646643031	0.312696010506105
SKCM	BRWD3	cg05835545	-0.0472070525059998	472	-1.0234762288355	0.306610342383035	0.00222850580630422	0.505076600134475
SKCM	BRWD3	cg09523186	-0.109407726236591	472	-2.38368772006553	0.0175370729405341	0.0119700505602609	0.0658210143725987
SKCM	BRWD3	cg11957438	-0.111963285569556	448	-2.37681267694049	0.0178849494697934	0.01253577731553	0.0667982984806332
SKCM	BRWD3	cg15511898	-0.0514739056584565	472	-1.11621962131667	0.264899690948973	0.00264956296373568	0.460494884084922
SKCM	BRWD3	cg22618269	-0.108725232673134	472	-2.36863965394976	0.0182579878180991	0.0118211762198271	0.0678657319662289
SKCM	BRWD3	cg25063710	-0.069677882074753	472	-1.5126490595589	0.131042355523262	0.00485500725042319	0.287730990843259
SKCM	BRWD3	cg25708850	-0.080810561130179	417	-1.64964688079384	0.0997736607091906	0.0065303467901744	0.237880224596321
SKCM	CARM1	cg12317676	-0.0101846342337042	475	-0.220574032554263	0.825520108174874	0.000103726774474339	0.906189036587671
SKCM	CARM1	cg17918830	-0.182226716955985	475	-4.01357726961732	6.96069055819939e-05	0.0332065763725567	0.000706457875126632
SKCM	CARM1	cg22378614	-0.118515864244387	475	-2.58484547019588	0.0100431861769424	0.0140460100775939	0.0427781222869611
SKCM	CARM1	cg26504915	-0.182076735443982	475	-4.01016058252315	7.0587789921073e-05	0.0331519375899379	0.00071491586756781
SKCM	CBX1	cg01544580	0.00825992871840907	475	0.178886487450282	0.858104082848728	6.82264224331989e-05	0.92461493422441
SKCM	CBX1	cg01553295	0.0992222169890991	475	2.15945304922223	0.0313212763626176	0.00984504834423187	0.101945833787435
SKCM	CBX1	cg02835499	-0.122634720684719	475	-2.67602650608491	0.00771083100660161	0.0150392747174191	0.034940554504032
SKCM	CBX1	cg04864609	-0.0314935405840392	475	-0.68237544746823	0.495338454859902	0.000991843098518524	0.680159297896487
SKCM	CBX1	cg11729481	-0.0862399927209224	475	-1.87463260010477	0.0614645767217074	0.00743733634450475	0.167562912864049
SKCM	CBX1	cg12245530	-0.0243482601812641	475	-0.527452222360195	0.598129007190248	0.000592837773854532	0.758745849808534
SKCM	CBX1	cg13342109	-0.065569488341742	475	-1.42306200210023	0.155383010542873	0.00429935780139784	0.323317354218638
SKCM	CBX1	cg17778721	0.0609398274049998	475	1.32219513210431	0.186747638704102	0.00371366256415117	0.365773585241319
SKCM	CBX1	cg21511817	-0.10239739309408	475	-2.22927774345557	0.0262683042151769	0.0104852261124635	0.089416139761769
SKCM	CBX4	cg04398978	0.200475156674913	475	4.43153733955249	1.16605046137987e-05	0.040190288443831	0.000149788192854336
SKCM	CBX4	cg04925705	-0.00229118593198317	475	-0.0496189871905597	0.960447139484266	5.24953297491757e-06	0.979240439431187
SKCM	CBX4	cg05949524	-0.219545851253504	475	-4.87347668462421	1.50282846153619e-06	0.0482003808026258	2.45045142185594e-05
SKCM	CBX4	cg07159673	0.267654476715643	475	6.01592578848522	3.60531056883022e-09	0.0716389189059246	1.07131982578907e-07
SKCM	CBX4	cg10756274	-0.0345582387736854	475	-0.748854614279262	0.454320234123939	0.00119427186713905	0.644624101626421
SKCM	CBX4	cg21365914	-0.0147766546551291	475	-0.320044202197615	0.74907735071108	0.000218349522796947	0.859393042431834
SKCM	CBX4	cg22353329	0.247183631328005	475	5.52454355088105	5.4852330088846e-08	0.061099747596499	1.26622616229427e-06
SKCM	CBX4	cg27487227	-0.126218213510644	475	-2.75546997462123	0.0060889192455459	0.0159310374218186	0.0290174824667972
SKCM	CBX5	cg03689456	-0.142965339825755	475	-3.12825004088268	0.00186797370938026	0.0204390883914937	0.0112414474550084
SKCM	CBX5	cg05754589	-0.0727857661599118	472	-1.57878444229534	0.115061139100175	0.00529776775548536	0.262972743849786

SKCM	CBX5	cg06399839	-0.0857237422519285	473	-1.86332733326356	0.063041027893646	0.00734855998567508	0.170706036546984
SKCM	CBX5	cg06621757	0.0407271583662741	473	0.8827363531037	0.377830957483111	0.00165870142859157	0.576423390069838
SKCM	CBX5	cg08288469	0.083765626073085	473	1.82046059802094	0.0693260476270791	0.0070166801114159	0.183060675099317
SKCM	CBX5	cg09060496	-0.0602020736060625	473	-1.30612970275341	0.192148670093615	0.0036242896646976	0.372684775019638
SKCM	CBX5	cg09158487	-0.134608863531124	473	-2.94191941010532	0.00342333953125506	0.0181195461411407	0.0183126329513263
SKCM	CBX5	cg09653879	-0.00594956319107796	473	-0.128848447326595	0.897532804651737	3.53973021646298e-05	0.945786210702028
SKCM	CBX5	cg11005091	-0.0773849533942201	472	-1.6791277243283	0.0937946124960354	0.00598843101182561	0.227482059855706
SKCM	CBX5	cg11338003	-0.0666801829964579	473	-1.44727429073131	0.148488181048857	0.00444624680444112	0.313558348439598
SKCM	CBX5	cg12263485	0.0790354916517946	473	1.71699594210955	0.0866401166647246	0.00624660894064089	0.215021773561785
SKCM	CBX5	cg12600134	0.00126463755703955	473	0.0273875285900421	0.978162294746472	1.59930815067496e-06	0.988684242546302
SKCM	CBX5	cg13445218	-0.028523382187301	473	-0.617965431612138	0.536898081052247	0.000813583331402839	0.712925431286971
SKCM	CBX5	cg14017196	-0.119907938966928	473	-2.61564708229549	0.00919291076591027	0.0143779138272965	0.0399692780150164
SKCM	CBX5	cg14394617	0.073635742340613	473	1.59902669864472	0.110488093145173	0.00542222255005314	0.255828046852061
SKCM	CBX5	cg15708001	-0.0946849633080128	472	-2.05759311745401	0.040182608512234	0.00896524227663973	0.122868986410043
SKCM	CBX5	cg20545544	-0.173821424115697	473	-3.82253741337155	0.000149896839894625	0.030213887481609	0.00136132089222069
SKCM	CBX5	cg20927027	0.0572026411081124	473	1.24083548311434	0.215286849261785	0.00327214214974351	0.402316297568314
SKCM	CBX5	cg21826008	0.0250990939697	473	0.543727506613265	0.586887361386164	0.000629964518099832	0.750888923733613
SKCM	CBX5	cg24505978	-0.0235771005383282	473	-0.510737278620651	0.609775348438953	0.000555879669794434	0.767184100279151
SKCM	CBX5	cg25817259	0.00229859656417324	473	0.0497794761313573	0.96031931437493	5.28354616482903e-06	0.979174862435392
SKCM	CBX6	cg03028106	-0.0563523072791255	460	-1.20527122984799	0.228723697389011	0.00317558253568098	0.418644508672705
SKCM	CBX6	cg04134624	0.0565691606917879	473	1.22704971006986	0.220419499941525	0.00320006994137332	0.40861964013085
SKCM	CBX6	cg04215348	0.028995186998779	473	0.6281957188369	0.530181511975645	0.00084072086909416	0.708141131586121
SKCM	CBX6	cg04801716	-0.00652626382609921	473	-0.141338440993158	0.887663270796693	4.25921195278511e-05	0.940325182320004
SKCM	CBX6	cg06060673	0.0988634145770336	473	2.15156692459478	0.0319414107100098	0.00977397474183043	0.103419074573376
SKCM	CBX6	cg09913544	0.0820945414417652	473	1.78389432260304	0.0750872785718044	0.0067395137345337	0.194025767262836
SKCM	CBX6	cg14498989	-0.0744791513663135	473	-1.61744321041008	0.106454979115568	0.00554714398824624	0.249009520876675
SKCM	CBX6	cg24649346	0.237532418180754	473	5.29566284661846	1.82634644192571e-07	0.0564216496867966	3.74384176819944e-06
SKCM	CBX6	cg25836955	0.0456903702262137	473	0.990523745187766	0.32242893519973	0.00208760993140848	0.52180230049777
SKCM	CBX7	cg00545295	-0.0255005166668259	473	-0.552429233796488	0.580917474903922	0.000650276350275064	0.746581341487448
SKCM	CBX7	cg01525244	-0.0870754693510976	473	-1.89293176500011	0.0589823435121566	0.00758213736271394	0.162596471693292
SKCM	CBX7	cg02523424	0.00268400143435557	473	0.0581260390389651	0.953672990002921	7.20386369962276e-06	0.975491579460479
SKCM	CBX7	cg03804568	-0.0587716756428165	473	-1.27498725421553	0.202945003316393	0.00345410985786443	0.386740405849532
SKCM	CBX7	cg10339854	-0.110938785775702	473	-2.41745797308757	0.0160096901906178	0.0123074141893872	0.0613163567688521
SKCM	CBX7	cg22268271	-0.143902886618712	473	-3.14919702719757	0.00174170447174222	0.0207080407771978	0.0106246042523818
SKCM	CBX7	cg26672614	-0.0696999995949683	473	-1.51313155622851	0.130919798015667	0.00485808994353858	0.287583644411431
SKCM	CBX7	cg27062573	-0.0270036357103054	473	-0.585015082099786	0.558818916272603	0.000729196341574879	0.729781915010056
SKCM	CDYL2	cg01442398	-0.063735770448091	473	-1.38309994460455	0.167292294336543	0.00406224843461175	0.340048514465327
SKCM	CDYL2	cg02461391	-0.0720265488436634	473	-1.5638982052388	0.118515942945784	0.00518782373832864	0.268447496448516
SKCM	CDYL2	cg06919916	-0.0512486998458887	473	-1.11132310977231	0.266998675371785	0.00262642923589399	0.462727119761911
SKCM	CDYL2	cg10112854	0.183042570303178	473	4.03216808036733	6.44924681636903e-05	0.033504582543194	0.000662764474019303
SKCM	CECR2	cg03927893	-0.148419700980326	473	-3.2502356815506	0.00123602495343549	0.0220284076390895	0.00801094103370494
SKCM	CECR2	cg12632097	-0.127697359043354	473	-2.78829334099102	0.00551401502725565	0.0163066155066472	0.02681988777231
SKCM	CECR2	cg13466481	-0.0780562321351362	473	-1.69559091590964	0.0906270588113775	0.00609277537513427	0.221859192308273
SKCM	CECR2	cg26796679	-0.150020111763446	473	-3.28608553286488	0.00109207348555205	0.022506033933517	0.00722114447386625
SKCM	CHAF1A	cg03006338	0.0244486487214952	473	0.529628220249209	0.596620335959204	0.000597736424307068	0.757698474547246
SKCM	CHAF1A	cg04346879	-0.0586941264138752	473	-1.27329908889769	0.2035426661434	0.00344500047548796	0.387376410851347
SKCM	CHAF1A	cg05297461	-0.0131779337525626	473	-0.28541149073348	0.775454906979535	0.000173657937986929	0.875643955606026
SKCM	CHAF1A	cg07783855	0.0462295651986638	473	1.00223786817283	0.316745528696524	0.0021371726984575	0.51601589696275
SKCM	CHAF1A	cg09700233	-0.0624126799525155	473	-1.35427470634641	0.176300872590529	0.00389534261885513	0.352203335361384
SKCM	CHAF1A	cg18804734	-0.0125654674127974	473	-0.272144372255069	0.785630777765809	0.000157890971302074	0.881720825285841
SKCM	CHAF1A	cg23811775	0.0849710623031161	473	1.84684725062024	0.0653990138811433	0.00722008142892004	0.175369717895614
SKCM	CHAF1A	cg24085258	-0.0821494978955404	473	-1.78509662397782	0.0748917993426226	0.0067485400044894	0.193681481269239
SKCM	CHAF1B	cg00660452	-0.157957104664599	472	-3.46057883516545	0.000588391467743175	0.0249504469140229	0.00430321762166143
SKCM	CHAF1B	cg02544117	-0.198210005641625	470	-4.36537689158449	1.56454199174457e-05	0.0392872063364529	0.000193500762648294
SKCM	CHAF1B	cg02908490	-0.260914167755123	473	-5.85320699041354	9.06797315386519e-09	0.0680762029353482	2.50065190901024e-07
SKCM	CHAF1B	cg04634639	-0.0795392298167808	473	-1.72800878635646	0.0846448849070201	0.00632648907984667	0.21139889487485
SKCM	CHAF1B	cg07872789	-0.091822292746726	473	-1.99697743089062	0.0464050175156253	0.00843133344526545	0.136574606390478

SKCM	CHAF1B	cg13854874	-0.172089547305769	473	-3.7832830455157	0.000174807920729733	0.0296148122919043	0.00155186664216009
SKCM	CHAF1B	cg25942896	-0.282862958510948	473	-6.38662314364271	4.08789221774498e-10	0.0800114532975663	1.44880859766402e-08
SKCM	CHD1	cg03255775	0.110931903036085	473	2.41730612316768	0.0160162868422885	0.0123058871112074	0.0613370839927382
SKCM	CHD1	cg03833628	-0.20946426590876	473	-4.63915722877191	4.54455953827054e-06	0.0438752786926957	6.54339190672252e-05
SKCM	CHD1	cg08865521	0.131265854991586	473	2.86755930035082	0.00432284348853988	0.017230724686672	0.0220916838857376
SKCM	CHD1	cg11365324	-0.0187770982072639	473	-0.406716202799368	0.684401974433153	0.000352579417085235	0.818282470092717
SKCM	CHD1	cg12662497	-0.0854642805283826	473	-1.85764600382606	0.0638458271348922	0.00730414324623408	0.172250129767617
SKCM	CHD1	cg16890600	0.17429376332632	473	3.83324968769049	0.000143704986570352	0.0303783159344513	0.00131228849926681
SKCM	CHD1	cg21082921	-0.238463534444995	473	-5.31767063035536	1.62984405199821e-07	0.0568648572599994	3.37438049563718e-06
SKCM	CHD4	cg00079216	0.00630138739124935	473	0.136468124655041	0.891509780195807	3.97074830545963e-05	0.942541815125337
SKCM	CHD4	cg00824109	-0.122743054074416	473	-2.67842660517716	0.00765663015258543	0.0150658573235149	0.0347565416786975
SKCM	CHD4	cg04344119	0.104902368148654	473	2.28441265571771	0.02279320490159	0.0110045068431957	0.0803650553895166
SKCM	CHD4	cg05147525	-0.0156533944245961	473	-0.339037833101183	0.734732977222257	0.000245028757011975	0.850460940112165
SKCM	CHD4	cg11565429	0.0428634579097512	473	0.929122444996945	0.353303580494008	0.00183727602398101	0.552339792488555
SKCM	CHD4	cg19509514	-0.154599372024979	473	-3.38880988571115	0.000761163241276275	0.0239009658305179	0.00534180723426671
SKCM	CHD4	cg20308811	-0.129722002597059	473	-2.83325243322492	0.00480627450717077	0.0168277979577913	0.0240279750023034
SKCM	CHRA1	cg00296189	-0.457986947697918	473	-11.1572671490165	8.46008112419355e-26	0.209752044261655	1.84353935847483e-23
SKCM	CHRA1	cg07270064	-0.443365201559631	473	-10.7121028332886	4.22322128011733e-24	0.196572701954012	7.82241133965352e-22
SKCM	CHRA1	cg08877624	-0.0583455779813368	473	-1.26571184053488	0.206244660510385	0.00340420646997625	0.390721729976253
SKCM	CHRA1	cg12002314	-0.113650817996672	473	-2.47731962408825	0.0135886322129654	0.0129165084313127	0.0541304754147896
SKCM	CHRA1	cg18770186	0.0600233964280164	473	1.3022391278351	0.193473803138655	0.00360280811875482	0.374548641837638
SKCM	CHRA1	cg19486048	0.18607961629261	473	4.10144922588553	4.84025290793699e-05	0.0346256235996051	0.000515741178907067
SKCM	CHRA1	cg22610305	-0.0507452227359449	473	-1.10037693014103	0.271732383495939	0.00257507763052066	0.468021986000467
SKCM	CHRA1	cg23548819	-0.247186837390498	473	-5.52461986937139	5.48299519323655e-08	0.0611013325791165	1.26613495151147e-06
SKCM	CLOCK	cg05960024	-0.072635996138937	473	-1.57720090423266	0.115423536746156	0.00527598793509568	0.263561141307125
SKCM	CLOCK	cg06085476	-0.245445204033083	473	-5.48318965359086	6.83793789074562e-08	0.0602433481828416	1.54172028160489e-06
SKCM	CLOCK	cg07236904	-0.0746025638317511	473	-1.62013831221756	0.105874713184279	0.0055655425302705	0.24806991860303
SKCM	CLOCK	cg07500410	-0.0821785858933498	473	-1.78573299881579	0.07478850159196	0.00675331997943067	0.193485091215329
SKCM	CLOCK	cg11774413	-0.0749913235960616	473	-1.62862860208341	0.10406315908355	0.00562369861468922	0.245095046858786
SKCM	CLOCK	cg18928811	0.107986843255032	473	2.35236297600519	0.0190669441040865	0.0116611583161869	0.0701155211360579
SKCM	CLOCK	cg22523077	0.0121134697287522	473	0.262353489730973	0.793164122028536	0.000146736148869397	0.886708863855145
SKCM	CLOCK	cg23506964	-0.142449739239516	473	-3.11673398683734	0.00194093540935509	0.020291928209406	0.0116017735214513
SKCM	CREBBP	cg00039463	0.0531054624478355	473	1.15169870393282	0.250031661784988	0.00282019014179847	0.443672849860916
SKCM	CREBBP	cg00747661	0.111742569215019	473	2.43519381238844	0.0152555061725884	0.0124864017747732	0.0591758041501686
SKCM	CREBBP	cg03039399	-0.143145252813582	473	-3.1322690489728	0.00184311153539077	0.0204905634030644	0.011121859973952
SKCM	CREBBP	cg03264209	-0.0552750514375425	473	-1.19889196381267	0.23117535301924	0.00305533131142297	0.421695674086776
SKCM	CREBBP	cg08506924	-0.00275276236135168	473	-0.0596151702235797	0.952487528922502	7.57770061807448e-06	0.97497124769733
SKCM	CREBBP	cg24567591	-0.0901019359573389	473	-1.95925343952416	0.0506751075351333	0.0081183588632604	0.145749013442331
SKCM	CTCF	cg01866162	-0.260444292999491	473	-5.84189830053402	9.66089894102078e-09	0.0678312297560045	2.64727006769204e-07
SKCM	CTCF	cg04487155	-0.167157572958071	473	-3.67169257676677	0.000268671602968799	0.0279416541972328	0.00222611978712906
SKCM	CTCF	cg06241380	-0.150010736413499	473	-3.28587544457616	0.00109286976827151	0.0225032210393202	0.0072251815036045
SKCM	CTCF	cg07967402	-0.0430390523622913	473	-0.93293573742187	0.351333178318437	0.00185236002824405	0.550275086555084
SKCM	CTCF	cg08324636	0.23322367793429	473	5.19402202868426	3.07398562638329e-07	0.0543932839491975	5.95610554966032e-06
SKCM	CTCF	cg10218542	-0.0477473767031536	473	-1.03521738642856	0.301100873822531	0.00227981198203285	0.499474196177794
SKCM	CTCF	cg10481400	-0.0934711805396265	473	-2.03315117080399	0.042599849052362	0.00873686159147145	0.128229130990852
SKCM	CTCF	cg23858565	-0.0666813961654592	473	-1.4473007398197	0.148480779565616	0.00444640859457491	0.313553268220947
SKCM	CXXC1	cg02159718	-0.0691538041628799	473	-1.50121688385985	0.133972394403839	0.00478224863019795	0.292152504632288
SKCM	CXXC1	cg07675399	0.089995086495516	473	1.95691103087974	0.0509508013355417	0.00809911559333541	0.146282565590476
SKCM	CXXC1	cg11871295	0.134909844006747	473	2.94861923920086	0.00335133844992037	0.018200660099249	0.0179951700285136
SKCM	CXXC1	cg13423076	-0.23268675883796	473	-5.18137922893612	3.27773829154344e-07	0.0541431277385148	6.30379166013178e-06
SKCM	CXXC1	cg15632775	0.122176141651949	473	2.66586787712371	0.00794408060358848	0.0149270095889571	0.0357371078746061
SKCM	CXXC1	cg20016845	-0.142197886158157	473	-3.11110973420628	0.00197751467511243	0.0202202388278481	0.0117860796057728
SKCM	CXXC1	cg27419474	0.0599787591964265	473	1.30126720188127	0.193805890568877	0.00359745155474292	0.37494380753377
SKCM	DAXX	cg00221327	-0.0549968324802179	468	-1.18646370562173	0.236046366680182	0.00302465158285715	0.427324561331054
SKCM	DAXX	cg02173004	-0.119432672390612	473	-2.60512939050831	0.00947571468461481	0.0142641632343632	0.0408478602524779
SKCM	DAXX	cg02328295	0.0674024632778529	473	1.46302233905895	0.144131085062102	0.0045430920559223	0.307335844950282
SKCM	DAXX	cg03085224	-0.115011197719214	473	-2.50736780576284	0.0125003602369206	0.0132275756008083	0.0507543332082986

SKCM	DAXX	cg03369465	-0.0768902404904562	473	-1.67011066282068	0.0955646779886759	0.0059121090826802	0.230515598259001
SKCM	DAXX	cg03382121	0.0651759802757408	473	1.41448510830618	0.157883042767582	0.00424790840490375	0.326814789768007
SKCM	DAXX	cg03902329	-0.0506319028235643	473	-1.09791333933274	0.2728056705629	0.00256358958353486	0.469146967649161
SKCM	DAXX	cg04086445	-0.0708288096331031	473	-1.53775969234348	0.124781738251682	0.00501672027404236	0.278049683362492
SKCM	DAXX	cg04152866	-0.0159691763361402	473	-0.345879100329035	0.729588672246555	0.000255014592854741	0.847094356369255
SKCM	DAXX	cg04271391	-0.12431967412569	473	-2.71336727645091	0.00690545128155052	0.0154553813747179	0.0320710338258068
SKCM	DAXX	cg04488476	-0.0480925674428239	473	-1.04271880165563	0.297615724704539	0.00231289504324256	0.495737088563475
SKCM	DAXX	cg04973788	-0.116857028009252	473	-2.54816155387729	0.0111470214413381	0.0136555649951551	0.0463976129484995
SKCM	DAXX	cg05431670	0.0767691872936474	471	1.66390653853147	0.0968019322811456	0.00589350811772712	0.232650685090576
SKCM	DAXX	cg05532204	-0.0216622052747369	473	-0.469235659479219	0.639119256818894	0.000469251137364837	0.787925001821956
SKCM	DAXX	cg06171013	-0.0782828968949734	473	-1.70054499872698	0.089691375917356	0.00612821194626904	0.22032023343774
SKCM	DAXX	cg07689821	-0.143493152236559	473	-3.14004154201967	0.00179589299213549	0.0205902847387842	0.0108867528582708
SKCM	DAXX	cg08375286	0.0516157561104743	473	1.11930387609006	0.263583436058036	0.00266418627885596	0.459007658439384
SKCM	DAXX	cg08567382	-0.0344366029360316	473	-0.746215709639501	0.455910984620721	0.0011858796217739	0.646160355519664
SKCM	DAXX	cg09097215	-0.122603388640869	472	-2.67247868194346	0.00779214718918805	0.0150315909062239	0.0352206320629653
SKCM	DAXX	cg09432361	0.122363390304199	473	2.67001567554446	0.00784808893563116	0.0149727992867378	0.0353973927793652
SKCM	DAXX	cg09615909	-0.423136825021579	473	-10.1136404072748	6.97312685508094e-22	0.179044772689343	1.08276932248337e-19
SKCM	DAXX	cg11111423	-0.4309836094035	473	-10.3434985380883	1.00183596140068e-22	0.185746871574469	1.68330079441046e-20
SKCM	DAXX	cg12025215	-0.0562643943672865	473	-1.22041792941111	0.222919739456647	0.00316568207351754	0.411626352036325
SKCM	DAXX	cg12832355	-0.449079788196235	473	-10.8847742983252	9.36844565435018e-25	0.201672656166375	1.88322703161374e-22
SKCM	DAXX	cg12923297	-0.126832456837425	473	-2.76909822101013	0.0058439454305057	0.0160864721074172	0.0280909472825482
SKCM	DAXX	cg13443893	-0.100109755067838	473	-2.17896392604018	0.0298313814029171	0.0100219630597425	0.0982515869965508
SKCM	DAXX	cg13826470	0.0467642699877857	473	1.0138553079209	0.311174545160262	0.00218689694749052	0.510104361222973
SKCM	DAXX	cg14539675	0.132115873515434	473	2.88645711496586	0.00407585468289257	0.0174546040347461	0.0210598458555356
SKCM	DAXX	cg14622330	-0.0471983705443409	473	-1.02328757858811	0.306699408912809	0.00222768618204091	0.505165498318902
SKCM	DAXX	cg14746369	0.0469889065494361	473	1.01873620814443	0.308853437108346	0.00220795733871164	0.507497133457389
SKCM	DAXX	cg14910283	-0.3477012375474	473	-8.03105438567969	7.86816659323305e-15	0.120896150591994	5.94845628721061e-13
SKCM	DAXX	cg16922466	0.00365998074428577	473	0.0792625665208197	0.936857587791017	1.33954590485426e-05	0.96633429926167
SKCM	DAXX	cg17079757	0.0133807437548193	472	0.289495663705944	0.772330303050996	0.000179044303432135	0.87376424389165
SKCM	DAXX	cg17504991	0.0207152931521925	473	0.448715124178519	0.653844419325741	0.000429123370381275	0.79801024093233
SKCM	DAXX	cg18187593	-0.0472134555405362	473	-1.02361536044998	0.306544665862308	0.00222911038407819	0.505015474811893
SKCM	DAXX	cg18279148	-0.0864147764908073	449	-1.82976641205208	0.067953717125297	0.00746751359595619	0.180447551544421
SKCM	DAXX	cg18486541	0.0419772627071231	473	0.90987871849165	0.363353832983556	0.00176209058438283	0.562309669012222
SKCM	DAXX	cg18944910	-0.403185740776431	473	-9.54145066000868	7.74079464822877e-20	0.16255874156544	1.02238943780018e-17
SKCM	DAXX	cg18967278	0.0822197810243583	473	1.78663425622344	0.0746424073067795	0.00676009239169343	0.19316494574444
SKCM	DAXX	cg20223162	-0.209617900848162	473	-4.64271621679026	4.47033932736261e-06	0.0439396643559897	6.44934512990784e-05
SKCM	DAXX	cg20763184	-0.0429299231418456	473	-0.930568525339691	0.352556934840779	0.00184297830096477	0.551569918330891
SKCM	DAXX	cg21286626	0.101765821906485	473	2.21538356666867	0.0272133455860896	0.0103562825083025	0.0917975460291497
SKCM	DAXX	cg24328964	-0.112433569321688	473	-2.45044490484791	0.0146322569218154	0.0126413075104147	0.057264402604674
SKCM	DAXX	cg24496586	-0.126530939232139	473	-2.76240803180826	0.00596306837140553	0.0160100785829673	0.0285295781602166
SKCM	DAXX	cg24513883	-0.405159470584312	473	-9.59730580410654	4.92614467384539e-20	0.16415419660416	6.64167242213393e-18
SKCM	DAXX	cg24728112	-0.391990137888174	473	-9.22758747813452	9.49792043424257e-19	0.15365626820159	1.11326187016873e-16
SKCM	DAXX	cg25642825	-0.158991892853305	473	-3.4875536645978	0.0005333684668216	0.0252784219930767	0.0039592429873969
SKCM	DAXX	cg26521092	0.0839731090488879	473	1.82500176395436	0.0686366840166491	0.00705148304333641	0.181706175060401
SKCM	DAXX	cg27052777	-0.38478035071614	473	-9.02804598153981	4.54105233260369e-18	0.148055918297236	5.04666607375102e-16
SKCM	DAXX	cg27393652	0.0422421248409493	473	0.915629971557168	0.360331542360441	0.00178439711107834	0.559223397166903
SKCM	DIDO1	cg00080059	-0.00671012565113342	472	-0.145165480731548	0.884642716756293	4.50257862539987e-05	0.938851752588101
SKCM	DIDO1	cg01488865	-0.0817955838326193	472	-1.77545836508534	0.0764720297718803	0.00669051753451905	0.196663308564418
SKCM	DIDO1	cg06646488	-0.116947678192684	473	-2.55016565305056	0.0110840342103567	0.0136767594346595	0.0462025068621323
SKCM	DIDO1	cg08610063	-0.128521225530379	473	-2.80658375182351	0.0052154221589488	0.0165177054118306	0.0256433163590736
SKCM	DIDO1	cg13815390	0.0832568512529113	473	1.80932608572085	0.0710404678967398	0.00693170328054939	0.186354267586963
SKCM	DIDO1	cg20969846	-0.214179640920611	473	-4.74855525703943	2.7263366653563e-06	0.045872918584882	4.16276024621645e-05
SKCM	DIDO1	cg21212389	0.0758883000576162	473	1.64822090855255	0.0999770444882439	0.00575903408563479	0.238197176250106
SKCM	DIDO1	cg21687703	0.177981422933279	473	3.91697733819005	0.000102991894285048	0.0316773869093546	0.000988647509016086
SKCM	DIDO1	cg22394521	-0.151025006186823	473	-3.30860906186792	0.00100975968451353	0.0228085524937301	0.00676833059598878
SKCM	DMAP1	cg01604592	-0.137279526369392	473	-3.00139759863145	0.00283074548380933	0.0188456683602047	0.0157150513214489
SKCM	DMAP1	cg11683482	0.0783427767670415	472	1.70003849209084	0.0897880973632925	0.0061375906715705	0.220475500241357

SKCM	DMAP1	cg15990015	-0.0535672030030778	473	-1.16174116815479	0.245931497157456	0.00286944523757295	0.438931739189341
SKCM	DMAP1	cg18017761	-0.0527367798102035	473	-1.1436807024658	0.253339486050874	0.00278116794474989	0.447386996682142
SKCM	DMAP1	cg18167340	-0.038307365751093	473	-0.830209306244878	0.406842849690635	0.00146745427078801	0.602993687106258
SKCM	DMAP1	cg21437596	-0.0744845854505526	473	-1.61756187926563	0.106429376128916	0.00554795346974067	0.24896460447958
SKCM	DMAP1	cg23021241	-0.086446095657824	473	-1.8791464319364	0.0608443638767858	0.00747292745448166	0.166297524626029
SKCM	DMAP1	cg23451311	-0.100278756843237	473	-2.18267971027995	0.0295546735132563	0.010055829074025	0.0976035256636913
SKCM	DMAP1	cg24485408	-0.0161725503218077	473	-0.350285157162732	0.726281964284063	0.000261551383911402	0.844966562422636
SKCM	DNMT1	cg04160663	-0.0908544768185923	473	-1.97575296253126	0.0487684741063814	0.00825453595798013	0.141634924418646
SKCM	DNMT1	cg04762346	-0.164456570302498	473	-3.61070068367025	0.000338278007294971	0.0270459635156605	0.00270268042513146
SKCM	DNMT1	cg06128182	-0.0200342427250854	473	-0.433956828531633	0.664519344153123	0.000401370881567636	0.805175399685767
SKCM	DNMT1	cg06716436	-0.0390838336294304	473	-0.847062651408908	0.397392230072656	0.00152754605117299	0.594000022024637
SKCM	DNMT1	cg10635912	-0.0516703432485192	473	-1.120490782474	0.263078113070777	0.00266982437141979	0.458455203248763
SKCM	DNMT1	cg11380607	0.00764802226784182	473	0.16563353351719	0.868516728859252	5.84922446094044e-05	0.930191508410108
SKCM	DNMT1	cg13393778	-0.105441025742208	473	-2.29627430352778	0.0221002761160643	0.0111178099095689	0.0785244762629652
SKCM	DNMT1	cg15043801	-0.0102242175933026	473	-0.221431399846479	0.824852921366839	0.000104534625395198	0.905921158386471
SKCM	DNMT1	cg21893394	0.0137012626114685	473	0.296747985623831	0.766790290611858	0.000187724597148426	0.870728472322871
SKCM	DNMT1	cg23401624	-0.0726891589951225	473	-1.57836139944692	0.115156809686277	0.00528371383541819	0.263137284556741
SKCM	DNMT1	cg24477899	0.0162219514237714	473	0.351355428726819	0.725479503736767	0.0002631517079952	0.844515919715962
SKCM	DNMT1	cg27429799	-0.0229340698115111	473	-0.496800237568967	0.619562711160229	0.000525971558119264	0.774330338045002
SKCM	DNMT3A	cg02208653	-0.0257148939817913	473	-0.557076446782437	0.577740943715913	0.000661255772494765	0.744205106145344
SKCM	DNMT3A	cg03463641	-0.044857746074605	473	-0.972436512723254	0.331334691828955	0.00201221738289374	0.53097913266607
SKCM	DNMT3A	cg06112956	-0.00376436173186743	473	-0.0815231304868521	0.935060708669988	1.41704192483479e-05	0.965445053796877
SKCM	DNMT3A	cg07150430	0.0866247374496102	473	1.88305903767963	0.0603109780000041	0.00750384513821391	0.165292662410862
SKCM	DNMT3A	cg12066181	-0.0362531494344861	473	-0.785629431721189	0.432481327357382	0.00131429084391918	0.626211260268397
SKCM	DNMT3A	cg13076778	-0.0520852150059462	473	-1.12951180761297	0.259259354518842	0.00271286962221564	0.454079113262704
SKCM	DNMT3A	cg13344237	-0.028272045107749	473	-0.612515782459153	0.540493420883113	0.000799308534574593	0.71578137283048
SKCM	DNMT3A	cg15990840	-0.0464121391676445	473	-1.00513123895132	0.315353058593943	0.0021540866621168	0.514518995292266
SKCM	DNMT3A	cg15998962	-0.0595797360380261	473	-1.29257926480842	0.19679304979076	0.00354974494636087	0.378943527609465
SKCM	DNMT3A	cg21629895	-0.21617448242515	473	-4.7949403276648	2.18869754422882e-06	0.0467314068517817	3.41921856984367e-05
SKCM	DNMT3A	cg21708767	-0.0229891859163907	473	-0.497994799014368	0.618721134808619	0.000528502669098378	0.773688979049231
SKCM	DNMT3A	cg22731525	0.0318224662869152	473	0.689509519005996	0.490843684339444	0.00101266936058185	0.676601700678693
SKCM	DNMT3A	cg25044635	-0.0441018485311776	473	-0.956017784664822	0.339555762496742	0.00194497304386694	0.538808779858729
SKCM	DNMT3A	cg26470599	-0.158463246778342	473	-3.47566009231355	0.000556964499096502	0.0251106005795336	0.00410748497133146
SKCM	DNMT3A	cg26995204	-0.121213859038876	473	-2.64455662797241	0.0084541128883212	0.0146927996230966	0.0374904305808282
SKCM	DNMT3B	cg00300969	0.18461514197745	473	0.406802655378166	5.56185106662188e-05	0.0340827506473539	0.000582144651044097
SKCM	DNMT3B	cg13636640	-0.0896540598781215	471	-1.94527430662156	0.0523417122648179	0.0080378504526298	0.149180112252399
SKCM	DNMT3B	cg14224313	-0.221651737842738	473	-4.92262636560301	1.18468835815744e-06	0.0491294928887058	1.98838502987055e-05
SKCM	DNMT3B	cg16523653	-0.037971863483795	473	-0.822927649817229	0.410967355799217	0.00144186241643196	0.606829163462926
SKCM	DNMT3B	cg16953106	-0.0517437960944869	473	-1.12208790814355	0.262399199321757	0.00267742043426783	0.457784829047045
SKCM	DNMT3B	cg17475857	0.217708946976851	473	4.83066330497495	1.84583236658287e-06	0.0473971855937693	2.9395022134278e-05
SKCM	DNMT3B	cg17721173	-0.155284193807938	473	-3.40419121724266	0.000720544673418364	0.0241131808465814	0.00510743073566362
SKCM	DNMT3B	cg22605822	-0.142621856256935	473	-3.12057797032601	0.00191629439291592	0.0203409938821737	0.011487724898089
SKCM	DNMT3B	cg24403338	0.190557048484452	473	4.20381127544327	3.14386989042205e-05	0.0363119887271057	0.000355072901067789
SKCM	DNMT3B	cg25803642	-0.0323478546679149	473	-0.70090513687509	0.483709809661199	0.00104638370161655	0.670529213960048
SKCM	DNMT3L	cg09247319	-0.038798294658895	471	-0.840864810625635	0.400852166124804	0.00150530766843844	0.5974040386121
SKCM	DNMT3L	cg15635600	0.0204211803047488	471	0.442341652297146	0.658445909732126	0.000417024605039059	0.801237933704067
SKCM	DNMT3L	cg27187798	-0.00895779020016057	471	-0.194001341494202	0.846258828797285	8.02420052700927e-05	0.917861143885125
SKCM	DPF1	cg06168449	-0.135664808949923	473	-2.96542843053053	0.00317674327092158	0.018404940387419	0.0172565858542052
SKCM	DPF1	cg06615189	-0.0742483764071019	473	-1.61240370915607	0.10754678711994	0.00551282139909068	0.251004882911575
SKCM	DPF1	cg07480327	-0.150975839241392	440	-3.18902239333758	0.00153046823263349	0.0227937040346425	0.00955777841289956
SKCM	DPF1	cg08057062	-0.166704443122012	473	-3.66145446494624	0.000279327638213795	0.02779037135662	0.00230188493650724
SKCM	DPF1	cg13322582	-0.183962815090532	473	-4.05314800059439	5.91496964554781e-05	0.0338423173360332	0.000614187331294376
SKCM	DPF1	cg13917712	-0.0673027780344074	473	-1.46084874117179	0.144726549292817	0.00452966393114871	0.308233831841799
SKCM	DPF1	cg17121541	-0.096519231110268	473	-2.10006478304234	0.0362566755635546	0.00931596197411732	0.113865076855644
SKCM	DPF1	cg22145401	-0.0725339498392018	471	-1.57161162728047	0.11671788973916	0.00526117387927584	0.265666554929143
SKCM	DPF1	cg27400772	-0.0661766128901711	258	-1.05907734016763	0.290566718272802	0.00437934409361556	0.488183212347243
SKCM	DPF2	cg02186298	0.148732869663913	473	3.25724872246872	0.00120655115895249	0.0221214665184626	0.00785328320444697

SKCM	DPF2	cg14699126	-0.0310047075273248	473	-0.671773553658744	0.502058630135583	0.000961291888854953	0.685766567278287
SKCM	DPF2	cg15918224	-0.169007790041785	473	-3.7135216942241	0.000228980701910809	0.0285636330948082	0.00194404940788491
SKCM	DPF2	cg15929437	-0.0766469175218846	473	-1.66479423276095	0.0966216730649733	0.00587474996560658	0.2323807096524
SKCM	DPF2	cg18224556	-0.0942393131692143	473	-2.05000841264575	0.0409190806020947	0.00888104814660525	0.124418954714065
SKCM	DPF2	cg19517014	-0.108733766476477	473	-2.3688277918745	0.0182488162906402	0.0118230319721611	0.0678446076231334
SKCM	DPF3	cg00888802	-0.0164593704274992	473	-0.356499131582046	0.721627126469156	0.000270910874869636	0.842297118884627
SKCM	DPF3	cg05151458	-0.0537453027033523	473	-1.1656148844733	0.244362634566706	0.00288855756267497	0.437171069668897
SKCM	DPF3	cg07171024	-0.0746048644316992	473	-1.62018855380963	0.105863919916332	0.00556588579687222	0.248052100417792
SKCM	DPF3	cg10266394	-0.0289046031938846	473	-0.626231530261807	0.531467747150764	0.000835476085795924	0.709140214428872
SKCM	DPF3	cg12913429	-0.0893949814727889	467	-1.93128305198231	0.0540581075834106	0.00799146271252027	0.152762411324198
SKCM	DPF3	cg13819165	-0.0197096104843147	473	-0.426922293812335	0.669631837237585	0.000388468745443409	0.808525948201077
SKCM	DPF3	cg14238615	-0.0467534747419447	473	-1.01362075285094	0.3112863775621	0.00218588740044566	0.510185322886137
SKCM	DPF3	cg14242696	-0.0527723950875907	473	-1.14445523251697	0.253018626218479	0.00278492568328076	0.447047234967532
SKCM	DPF3	cg15392845	0.0062439198848367	473	0.135223511443366	0.892493173442277	3.89865355282592e-05	0.943068837233008
SKCM	DPF3	cg15740492	0.0100005209695272	473	0.216586191314369	0.828625024168714	0.000100010419661953	0.907891259506928
SKCM	DPF3	cg16696021	-0.00551761498768183	473	-0.119493539358501	0.904935525352633	3.04440751522912e-05	0.949628860485792
SKCM	DPF3	cg19710444	0.0277772886247788	473	0.601788498918454	0.547605720525294	0.000771577763344265	0.720901366646854
SKCM	DPF3	cg19839347	-0.0258984053506366	473	-0.561054617274102	0.57502825850371	0.000670727399705885	0.742052882997855
SKCM	DPF3	cg20548765	-0.0644053272830764	473	-1.39768988740282	0.162866953643139	0.00414804618244019	0.333592522441714
SKCM	DPF3	cg21035356	-0.0467541675423818	473	-1.01363580574941	0.311279199763413	0.00218595218258111	0.510185322886137
SKCM	DPF3	cg22784589	-0.0589166697249005	473	-1.27814368535932	0.201830970977993	0.00347117397147301	0.385240808890634
SKCM	DPF3	cg23515460	-0.0803042142348644	473	-1.74473560937485	0.0816859208454696	0.00644876682387899	0.206039638358487
SKCM	DPF3	cg24383902	-0.020337306984864	473	-0.4405241253264	0.659760510860504	0.000413606055396599	0.801972049280177
SKCM	DPF3	cg25495195	-0.0487884693915425	472	-1.05671437395533	0.291187122178588	0.00238031474556948	0.488740015593888
SKCM	DPF3	cg26057784	0.06395567979233	473	1.38789165973497	0.165829011912692	0.00409032897769905	0.338024515479745
SKCM	EED	cg00080012	0.0347765745405331	473	0.753591519577459	0.451472682549566	0.00120941013677326	0.642074367174437
SKCM	EED	cg01739327	-0.0829444302310145	473	-1.80248947341374	0.0721102975512729	0.00687977850634763	0.188373018391663
SKCM	EED	cg02172616	-0.321329623000879	473	-7.34855845930779	8.96667303605105e-13	0.103252726617887	5.09534961407272e-11
SKCM	EED	cg04607174	-0.464102578277066	473	-11.346810867463	1.55733015759928e-26	0.21539120316342	3.50147232023926e-24
SKCM	EED	cg06358433	-0.14538141372944	473	-3.18224839813959	0.00155838959534312	0.0211357554579707	0.00969944476999141
SKCM	EED	cg10086030	-0.340536150812596	473	-7.84358996806118	2.98054574091133e-14	0.115964870010259	2.10789613971324e-12
SKCM	EED	cg10535675	-0.255242665268985	449	-5.56880532084207	4.44418981394124e-08	0.0651488181736151	1.05149422866711e-06
SKCM	EED	cg12672785	0.135139192086611	473	2.95372508826686	0.00329739925305023	0.018262601237822	0.0177557885714536
SKCM	EED	cg16265078	-0.283612629015334	473	-6.40502804667668	3.65917338169677e-10	0.0804361233369895	1.30758720282829e-08
SKCM	EED	cg18574463	-0.0172870200271173	473	-0.374430707648541	0.708253133524378	0.000298841061417955	0.833716831894253
SKCM	EED	cg19325359	-0.304368851544424	442	-6.687249717723	6.95135221220337e-11	0.0926403977904713	2.85067735369609e-09
SKCM	ELP3	cg01209934	0.139080650511137	473	3.04154791803006	0.00248553289867423	0.0193434273466011	0.0141707252707558
SKCM	ELP3	cg02516513	-0.0895967422645999	473	-1.94817892429285	0.0519896708398396	0.00802757622442913	0.148465033893051
SKCM	ELP3	cg04720865	-0.304170783418256	473	-6.91489124906033	1.53884002027756e-11	0.0925198654852756	7.02538266064979e-10
SKCM	ELP3	cg05621091	-0.377264284131428	473	-8.82209202333326	2.22779518591125e-17	0.142328340081199	2.30158165594661e-15
SKCM	ELP3	cg15692687	0.0793336403694337	473	1.723513980269	0.0854546725415093	0.00629382649426664	0.212821770297107
SKCM	ELP3	cg17572663	0.0513434604851409	473	1.11338341134234	0.266114092964649	0.00263615093458922	0.461924710446748
SKCM	ELP3	cg18022570	-0.0155964289988703	473	-0.33780371469412	0.73566225554979	0.000243248597516802	0.850991993841082
SKCM	ELP3	cg18249244	-0.158899937442121	473	-3.48548602064858	0.000537405008366935	0.02524919011911	0.00398426429247091
SKCM	ELP3	cg19781013	0.102696511822025	473	2.23585912072673	0.025830677965699	0.0105465735404114	0.088297379456173
SKCM	ELP3	cg22414525	0.0202901678591112	473	0.439502628981878	0.660499813322626	0.000411690911750909	0.802511786121744
SKCM	ELP3	cg22487209	-0.348402432704304	473	-8.04948525804921	6.89391180536711e-15	0.121384255114277	5.26305176630745e-13
SKCM	ELP3	cg25374552	0.178324713315881	473	3.92478029279982	9.98131424826931e-05	0.0317997033791911	0.000962090990534973
SKCM	ELP4	cg04972224	-0.218818209169007	473	-4.85651079099852	1.63067933393494e-06	0.0478814086639315	2.63736108324604e-05
SKCM	ELP4	cg05195750	0.0617512741278219	473	1.33986782165614	0.180937133759191	0.00381321985640941	0.358145218657129
SKCM	ELP4	cg05635455	-0.329589371445307	473	-7.56014990144921	2.13592758809177e-13	0.108629153769713	1.33893916831597e-11
SKCM	ELP4	cg08111895	-0.17684010768728	473	-3.89104596059477	0.000114258291153948	0.0312724236868486	0.00108041929038899
SKCM	ELP4	cg08626560	-0.339885864271089	473	-7.82665346048942	3.35782434427304e-14	0.115522400731305	2.36183170920775e-12
SKCM	ELP4	cg09616795	0.174869499790898	473	3.84631061998627	0.000136482352871291	0.030579341957119	0.00125689621317226
SKCM	ELP4	cg10583382	-0.224439639081521	473	-4.98780528010973	8.61544988933509e-07	0.0503731515910435	1.5010757193526e-05
SKCM	ELP4	cg11385473	-0.123703842229266	473	-2.69971689064433	0.00719063167878694	0.0153026405822831	0.0331037993146852
SKCM	ELP4	cg13263383	-0.129077005706825	473	-2.81892579439245	0.00502230037993965	0.0166608734022396	0.0248603229674869

SKCM	ELP4	cg19328333	-0.0247235297251893	47%	-0.535586557114742	0.592498201240614	0.000611252922072321	0.754766003492972
SKCM	ELP4	cg24001477	-0.0911644641807639	47%	-1.98255045283734	0.048000739585804	0.00831095952936579	0.140040110082056
SKCM	ELP4	cg24531794	-0.154542250223528	47%	-3.387527136964	0.000764645301142446	0.0238833071041515	0.00536092434724905
SKCM	ELP4	cg25130734	-0.251820062593811	47%	-5.63511477289962	3.0223100349422e-08	0.063413343924751	7.45458423773918e-07
SKCM	EP300	cg00500400	-0.0283663108925873	47%	-0.6145596990066	0.539143557489747	0.000804647593654917	0.714600142759637
SKCM	EP300	cg02046995	0.166833412216538	47%	3.6643681768304	0.000276255220666694	0.0278333874318134	0.00228021205692783
SKCM	EP300	cg07519229	-0.0849303502187956	47%	-1.84595594219194	0.065528595501838	0.00721316438828728	0.175596140624504
SKCM	EP300	cg08131204	-0.328872113819382	47%	-7.5416996896665	2.42350809084931e-13	0.108156867248029	1.50657655014813e-11
SKCM	EP300	cg09331127	-0.0218809723785248	47%	-0.473976739649868	0.635737068392174	0.000478776952229767	0.785485594690545
SKCM	EP300	cg24349919	0.126957082759474	47%	2.77186369690439	0.00579533625210102	0.016118100862796	0.02790729773318444
SKCM	EPC1	cg02900516	0.0227672670761167	47%	0.493185058346263	0.622112673534506	0.000518348450115227	0.776134346733969
SKCM	EPC1	cg16942190	0.00349948353093721	47%	0.0757867065903364	0.939621108773689	1.22463849833008e-05	0.967773814597199
SKCM	EPC1	cg26211455	0.0533136339501173	47%	1.15622616489483	0.2481772856485	0.0028423435649671	0.441471582139364
SKCM	EPC2	cg00066942	-0.0185721993941407	47%	-0.402276508252805	0.687663815250475	0.000344926590335721	0.820341637177137
SKCM	EPC2	cg03664802	-0.174764236325293	47%	-3.84392235059028	0.000137776889289302	0.0305425382983627	0.00126692852545768
SKCM	EPC2	cg04098458	-0.0540229469344179	47%	-1.17165394373325	0.241930888260205	0.00291847879547894	0.43424540107369
SKCM	EPC2	cg05586854	0.122131204486628	47%	2.66487250414405	0.00796727269704024	0.0149160311093545	0.035822795757343
SKCM	EPC2	cg10458926	-0.134608579046944	47%	-2.94191307787657	0.00342340824499497	0.0181194695530373	0.0183126329513263
SKCM	EPC2	cg11721798	-0.0523291070138912	47%	-1.13481530036322	0.257032357740572	0.00273833544087128	0.451448912626886
SKCM	EPC2	cg12432635	-0.0393525587469018	47%	-0.852895724508577	0.394152483214488	0.00154862387992836	0.59087174392392
SKCM	EPC2	cg16434205	0.110676144250314	47%	2.41166371386279	0.016263109535424	0.0122492089061164	0.0620791139940518
SKCM	EPC2	cg21347644	0.0228616296771816	47%	0.495230209862242	0.620669566831961	0.000522654111496593	0.77517930070199
SKCM	EPC2	cg21650422	-0.110353528547555	47%	-2.40454703581622	0.016579200734546	0.0121779012628961	0.0629893431172307
SKCM	EZH1	cg00728999	-0.172534904816774	47%	-3.79337395855785	0.000168055290799071	0.0297682933801332	0.00149996481097096
SKCM	EZH1	cg01716316	0.0386930073926815	47%	0.838579522478941	0.402132491946288	0.00149714882109011	0.598672061682352
SKCM	EZH1	cg03623386	-0.144306954685166	47%	-3.15822751865836	0.00168973689898129	0.0208244971705065	0.0103669236256925
SKCM	EZH1	cg05375741	-0.182168552181467	47%	-4.01225219968977	6.99857694441287e-05	0.033185381403892	0.000709932578972037
SKCM	EZH1	cg05979501	-0.132429035160574	47%	-2.89342103064366	0.00398812736375162	0.0175374493535607	0.0206986710344715
SKCM	EZH1	cg06975499	-0.0869805019235279	47%	-1.89085152323939	0.0592602491123786	0.00756560771486884	0.163187610260905
SKCM	EZH1	cg12812489	-0.138004713065156	47%	-3.01755964998694	0.00268681825245122	0.019045300828196	0.0150806882490036
SKCM	EZH1	cg19395400	-0.0275848252586562	47%	-0.59761563854477	0.550384859711272	0.000760922584550599	0.722997581539973
SKCM	EZH1	cg22227424	0.0326466741874434	47%	0.707386759209954	0.479677507624252	0.00106580533550108	0.66697164086131
SKCM	EZH1	cg27088844	-0.05036365399213	47%	-1.09208174132664	0.275357844539378	0.00253649764343899	0.471828858046773
SKCM	EZH2	cg01893439	-0.203172418439592	47%	-4.49371017182612	8.82709318690661e-06	0.0412790316145925	0.000117123467061609
SKCM	EZH2	cg02303805	-0.0621825594192032	47%	-1.34926196892403	0.177903830707646	0.00386667069592274	0.354413587863525
SKCM	EZH2	cg06816161	0.0970837607860308	47%	2.11246434521608	0.0351745780246878	0.00942525660835926	0.111259923401601
SKCM	EZH2	cg13751213	-0.126171891657734	47%	-2.75444236024121	0.00610776205917259	0.015919346244491	0.0290948038473622
SKCM	EZH2	cg18494018	-0.148616806579316	47%	-3.25464951070166	0.00121739809435511	0.0220869551978339	0.00791262990661386
SKCM	EZH2	cg20101066	-0.00557089664988285	47%	-0.120647481971034	0.904021926541149	3.1034889483676e-05	0.949216922031882
SKCM	FBXL19	cg00026853	-0.0517839836041566	47%	-1.12296173501802	0.262028263083889	0.00268158095791556	0.457355165515383
SKCM	FBXL19	cg02291855	0.0428394881126199	47%	0.928601912211556	0.353573092609387	0.0018352217417513	0.552615123688163
SKCM	FBXL19	cg03181514	-0.0180558743890807	47%	-0.391089135036484	0.695908954030171	0.000326014599954261	0.825679326405209
SKCM	FBXL19	cg03627896	-0.025020355374893	47%	-0.542020703961475	0.588061662738872	0.000626018183085936	0.751736783906213
SKCM	FBXL19	cg04477789	-0.204814094288522	47%	-4.5316035055106	7.43773109771757e-06	0.0419488132192278	0.000100715553179433
SKCM	FBXL19	cg05643349	-0.0922121335434385	47%	-2.00552835528894	0.0454805453230957	0.00850307757263294	0.134641660052702
SKCM	FBXL19	cg05768582	-0.0672469659989751	47%	-1.45963180068344	0.145060758860258	0.00452215443606731	0.308735552983435
SKCM	FBXL19	cg06862768	0.0634233811255936	47%	1.3762934844188	0.169387536352453	0.0040225252734023	0.342865089974832
SKCM	FBXL19	cg07697662	-0.0638558732905816	47%	-1.38571690063224	0.166491933038667	0.00407757255370282	0.338970778299138
SKCM	FBXL19	cg08535091	-0.0689770168948415	47%	-1.49736074877209	0.134972096901228	0.00475782885971125	0.293673975117025
SKCM	FBXL19	cg08593668	0.0823447544320004	47%	1.78936845153798	0.0742006233391737	0.00678065858246645	0.192370173975875
SKCM	FBXL19	cg09011601	-0.16962243491315	47%	-3.72742630702233	0.000217058424881938	0.0287717704258656	0.00185824178554699
SKCM	FBXL19	cg11940219	-0.145258820238179	45%	-3.11097518217337	0.00198354888652907	0.0211001248569876	0.011814424782072
SKCM	FBXL19	cg26666512	-0.0728232326415263	47%	-1.58128816130105	0.11448628542578	0.00530322321236187	0.262136392995442
SKCM	FBXL19	cg27602786	-0.128908575741791	47%	-2.81518523629923	0.00508013427644739	0.0166174208997771	0.0251034723942037
SKCM	FBXW9	cg02753619	-0.0261391436298035	47%	-0.566273442302225	0.571478769241798	0.000683254829699498	0.739321493595803
SKCM	FBXW9	cg03160342	-0.0671825264893794	47%	-1.45822676156982	0.145447363436961	0.00451349186549617	0.309329397239651
SKCM	FBXW9	cg05868316	-0.0235982524702235	47%	-0.51119573604469	0.6094545677459	0.000556877519648408	0.766967911629509

SKCM	FBXW9	cg06489804	-0.0351686169996285	473	-0.762097351349604	0.446384981761371	0.00123683162166656	0.638196551289103
SKCM	FBXW9	cg12110584	-0.05819775485967	473	-1.26249414770273	0.207398412942583	0.00338697867070624	0.392343643296234
SKCM	FBXW9	cg14342428	0.075992347747361	473	1.65049384115839	0.0995114336953558	0.00577483691615584	0.237444176084916
SKCM	FBXW9	cg15828427	-0.11626536570992	473	-2.53508263529675	0.0115659712629443	0.0135176352636614	0.0477581299591022
SKCM	FBXW9	cg19721801	-0.127228616356972	473	-2.77788954779522	0.00569068333056613	0.0161871208201097	0.0275123372704034
SKCM	FBXW9	cg21564527	-0.0638469195565688	473	-1.38552180301407	0.166551501248716	0.00407642913686296	0.339051231173819
SKCM	FBXW9	cg22303873	-0.0890227570530154	473	-1.93559824688089	0.0535176187590844	0.00792505127332021	0.151626106553435
SKCM	FKBP1A	cg04613791	0.12463186266787	473	2.72028839008125	0.00676478706245232	0.0155331011920627	0.031525779951861
SKCM	FKBP1A	cg07516946	0.138012607133266	473	3.01773561024332	0.00268528887909487	0.0190474797277213	0.0150742793375888
SKCM	FKBP1A	cg10996143	0.0503742365995734	473	1.09231179752323	0.275256852728296	0.0025375637129898	0.471753377390702
SKCM	FKBP1A	cg21332426	0.0255583521815029	473	0.553682968776515	0.580059696107275	0.000653229366233735	0.745943061803053
SKCM	FKBP1A	cg21775445	0.0350056734850843	473	0.758562053645027	0.448495607221989	0.00122539717614433	0.639811281917386
SKCM	FKBP1A	cg24641773	-0.0324247309434344	473	-0.702572623633373	0.482670684851468	0.00105136317675411	0.669678674109776
SKCM	FKBP1A	cg26779912	0.0593329069963022	473	1.2872053640282	0.198657601884857	0.00352039385263185	0.381335146471008
SKCM	FKBP2	cg03764062	-0.0527632838853195	473	-1.1442570896041	0.253100682626719	0.00278396412636282	0.447107373274513
SKCM	FKBP2	cg04446112	-0.132440776296333	473	-2.89368214067361	0.00398487175825306	0.0175405592259754	0.0206872948656349
SKCM	FKBP2	cg06615912	-0.135384822544994	473	-2.95919395923994	0.00324050588637142	0.0183290501755395	0.0175315964170602
SKCM	FKBP2	cg09854726	0.0261518530970162	473	0.566548966176017	0.571291667605099	0.000683919420407916	0.739190073675588
SKCM	FKBP2	cg10998122	-0.153613856606816	473	-3.36668364838221	0.000823345879860425	0.0235972169416194	0.00570511885435663
SKCM	FKBP2	cg12423493	-0.0658079222964422	473	-1.42825922787715	0.153882836383512	0.00433068263697458	0.321227577227399
SKCM	FKBP2	cg15010817	-0.147890290185039	473	-3.23838242783223	0.00128736161446732	0.021871537931015	0.00827883024186749
SKCM	FKBP2	cg16977872	-0.0253953295224674	473	-0.550149043489621	0.58247905752858	0.000644922761554703	0.74768085727211
SKCM	FKBP2	cg19924313	-0.129662357477296	473	-2.83192744559386	0.00482589353782762	0.01681232694657	0.0240997279420825
SKCM	FKBP2	cg21809711	-0.14585243948834	473	-3.19278239068547	0.00150381978454897	0.0212729341047	0.00941933625758474
SKCM	FKBP2	cg22074794	0.00145265206497844	473	0.0314592587435852	0.974916665887057	2.11019802188613e-06	0.986832077714679
SKCM	FKBP2	cg24677501	-0.0142208786198936	473	-0.30800429301147	0.758215807185036	0.000202233388721745	0.865198981287301
SKCM	FKBP5	cg00130530	-0.303441196703443	473	-6.89662083014617	1.72954020141167e-11	0.0920765598568177	7.84078382451162e-10
SKCM	FKBP5	cg00140191	-0.164529986072194	473	-3.61235738940924	0.000336182042234236	0.0270701163169162	0.00268786698803393
SKCM	FKBP5	cg00610228	-0.0675575955502555	473	-1.46640502537449	0.143208137405736	0.0045640287165319	0.305996864462256
SKCM	FKBP5	cg01294490	-0.311170012736647	473	-7.09085545202268	4.93427277960896e-12	0.0968267768265252	2.48129810353523e-10
SKCM	FKBP5	cg07485685	-0.078940636825021	473	-1.71492235154199	0.0870200242593147	0.00623162414233986	0.21562020860796
SKCM	FKBP5	cg07843056	-0.268409824959078	473	-6.03421943508604	3.24603789360744e-09	0.072043834134563	9.72736024249989e-08
SKCM	FKBP5	cg08636224	0.208570592606744	473	4.61846219938767	5.00017052365666e-06	0.0435016921003284	7.12684620222327e-05
SKCM	FKBP5	cg08915438	0.0501556617188752	473	1.08756025449211	0.277347870751525	0.00251559040245824	0.474106343532486
SKCM	FKBP5	cg10913456	-0.231021467864467	473	-5.14219852154818	3.99571756249889e-07	0.0533709186142531	7.53375792673384e-06
SKCM	FKBP5	cg16012111	-0.257588946316255	473	-5.77327272229681	1.415838834288e-08	0.0663520652643186	3.74511276010203e-07
SKCM	FKBP5	cg17030679	-0.237570115609795	473	-5.29655355878499	1.81796535876695e-07	0.0564395598308515	3.72960962868978e-06
SKCM	FKBP5	cg20813374	-0.359954652865572	473	-8.35538809636046	7.44360888848972e-16	0.129567352119575	6.40562068441559e-14
SKCM	FKBP5	cg25114611	-0.146778100322102	473	-3.2134902867336	0.00140165853286823	0.0215438107341649	0.00888651145816145
SKCM	FMR1	cg02921434	-0.0704777082213988	471	-1.53009880513059	0.12666645273543	0.00496710735614063	0.28106591814085
SKCM	FMR1	cg03513471	-0.0719388600063072	471	-1.56198432410828	0.118966166345575	0.00517519957900706	0.269153815462779
SKCM	FMR1	cg04552106	-0.0670879379707843	471	-1.45616438663868	0.146016270666638	0.0045007914211718	0.310031256002526
SKCM	FMR1	cg04744025	-0.0804953809218299	471	-1.74891606202284	0.0809597023632463	0.00647950634975049	0.204645798207902
SKCM	FMR1	cg05288927	-0.0183299083654098	471	-0.397026674220027	0.691528398096604	0.000335985540684319	0.822781723380753
SKCM	FMR1	cg07147350	-0.0379145676493346	471	-0.821684143434482	0.411674189633712	0.00143751444003597	0.607354104084297
SKCM	FMR1	cg08434396	-0.0680982345093447	471	-1.47819458901275	0.140026948249261	0.0046373695432897	0.301376578008107
SKCM	FMR1	cg14470409	-0.0736574189267323	471	-1.59949998090409	0.110382952282904	0.00542541536294814	0.255637861031116
SKCM	FMR1	cg16783314	-0.073411749463399	471	-1.59413621612912	0.111579178419479	0.00538928495927687	0.257473099574792
SKCM	FMR1	cg22625568	-0.140961673687747	467	-3.07033473431891	0.00226337407048862	0.019870193448851	0.013137127690785
SKCM	FXR2	cg01807919	0.0946757362051576	473	2.05958768435655	0.0399893340961013	0.0089634950259886	0.122449761713305
SKCM	FXR2	cg01933235	-0.116023952118677	473	-2.52974688340139	0.0117408756618961	0.013461557465237	0.048334110241919
SKCM	FXR2	cg05529097	-0.284970671421535	473	-6.43840143449138	2.99125353408816e-10	0.0812082835704402	1.09095910656753e-08
SKCM	FXR2	cg05913233	-0.35595900071702	473	-8.24909610938556	1.62412907205884e-15	0.12670681019146	1.34842579542952e-13
SKCM	FXR2	cg09625173	-0.320944898087708	473	-7.33874907215757	9.57614439414972e-13	0.103005627608529	5.39830852897452e-11
SKCM	FXR2	cg17777561	-0.334297042257392	473	-7.68161347658046	9.24563023136477e-14	0.111754512462041	6.13698428514327e-12
SKCM	FXR2	cg19178740	-0.0388406499026762	473	-0.841784150376239	0.400337802398956	0.00150859608486226	0.596877592085253
SKCM	FXR2	cg22521096	-0.32419822356768	473	-7.42182803049153	5.47516640061091e-13	0.105104488164439	3.22678102249337e-11

SKCM	FXR2	cg26904212	0.0593186111101307	47%	1.28689412480261	0.198765986404922	0.00351869762403492	0.381449074830019
SKCM	G2E3	cg02259031	-0.107040615149367	47%	-2.33151056275663	0.020149136625783	0.0114576932915549	0.0732536655138874
SKCM	G2E3	cg05076167	-0.096003391643734	47%	-2.08873646169363	0.0372700450130953	0.00921665120710018	0.116249784761988
SKCM	G2E3	cg07906495	-0.0152513243228454	47%	-0.330327319227589	0.741300158079777	0.000232602893600615	0.854439786313516
SKCM	G2E3	cg08810065	-0.0456971382539251	47%	-0.990670776600184	0.322357188066297	0.00208822844459834	0.521766086186385
SKCM	G2E3	cg09837748	-0.0539186609200936	47%	-1.16938557939439	0.242842279142121	0.00290722199541603	0.435362207351005
SKCM	G2E3	cg18580322	-0.132708119050934	47%	-2.89962788716843	0.0039113903443863	0.0176114448620369	0.0204005456487728
SKCM	G2E3	cg18755078	-0.0501678328854373	47%	-1.08782483622165	0.277231151275467	0.00251681145642116	0.473987828450444
SKCM	G2E3	cg18956956	-0.0580767214924943	47%	-1.25985965439213	0.208346542373258	0.00337290557931675	0.393515366548151
SKCM	G2E3	cg19554565	-0.0624190996097224	47%	-1.35441454945386	0.176256309357978	0.00389614399608844	0.352166079619068
SKCM	G2E3	cg21061067	-0.0507161901796274	47%	-1.09974575423365	0.272007084578307	0.00257213194633613	0.468381051345452
SKCM	G2E3	cg22926526	-0.0743113885825371	47%	-1.61377969883982	0.107247799766213	0.00552218247306483	0.250442316594009
SKCM	GADD45	cg01810953	0.0996415608060009	47%	2.16867089280176	0.0306095820917547	0.00992844063985598	0.100181036643008
SKCM	GADD45	cg02639608	-0.0856805290238598	47%	-1.86238108404245	0.0631744837187304	0.00734115305380849	0.1709180178548
SKCM	GADD45	cg04718306	-0.0196200920511287	47%	-0.424892521038252	0.671044325303833	0.000384948012094764	0.80949044618285
SKCM	GADD45	cg07000785	0.0269030674114071	47%	0.58221306789455	0.560703538069996	0.000723775036142717	0.731353258452387
SKCM	GADD45	cg22224769	-0.0210903651739067	47%	-0.456843163461985	0.647995291606474	0.000444803503168736	0.793825825758926
SKCM	GADD45	cg23369529	-0.124541517956495	47%	-2.71828539432196	0.00680522778457024	0.015510589694908	0.0316838763703906
SKCM	GADD45	cg23723105	-0.0589497145228601	47%	-1.27886306144509	0.201577701059436	0.0034750688423267	0.384904011917404
SKCM	GATAD2A	cg02887458	0.0549016343792586	47%	1.19076813926909	0.234346942710507	0.00301418945751379	0.425302307788845
SKCM	GATAD2A	cg08505228	0.00681917757857472	47%	0.147682324432479	0.882656949323813	4.65011828481361e-05	0.937680628107672
SKCM	GATAD2A	cg08870822	0.10119910005071	47%	2.20291833989563	0.0280861026379678	0.0102412578510736	0.0940240239529249
SKCM	GATAD2A	cg09334331	-0.0749079159348329	47%	-1.62680696390081	0.104449741801566	0.00561119586969999	0.245752577235392
SKCM	GATAD2A	cg11795262	-0.207607239254602	47%	-4.59616711519309	5.5400321492713e-06	0.0431007657909175	7.79351285751197e-05
SKCM	GATAD2A	cg14948912	0.0476930159720385	47%	1.03403609547935	0.301652175666339	0.00227462377250912	0.50005816045404
SKCM	GATAD2A	cg15264323	0.101898179684465	47%	2.21829513140911	0.0270129071632146	0.0103832390230076	0.0912797367672279
SKCM	GATAD2A	cg22191731	-0.0331129167140447	47%	-0.717500293679645	0.473422661190571	0.00109646525331126	0.661460200518315
SKCM	GATAD2A	cg26631329	0.000886040699008332	47%	0.0191884662617997	0.984698918897511	7.85068120299173e-07	0.991979950231317
SKCM	GATAD2E	cg02134200	0.186732487758928	47%	4.11635836419635	4.54792548073851e-05	0.0348690219846384	0.000488809261277206
SKCM	GATAD2E	cg02940454	0.0863587414302581	47%	1.87723326946952	0.0611065995936614	0.00745783222141817	0.166803284634173
SKCM	GATAD2E	cg09805553	0.0371568171877327	47%	0.805239246945391	0.421089670819877	0.00138062906352259	0.61619351064927
SKCM	GATAD2E	cg10226922	-0.0938984530917084	47%	-2.04252753069673	0.0416578819043745	0.00881691949301576	0.126098570617467
SKCM	GATAD2E	cg10489353	0.157754831935151	47%	3.45972457530481	0.000590105621595577	0.0248865869988876	0.00431332112434523
SKCM	GATAD2E	cg15064304	-0.0716956325893226	47%	-1.55667587572181	0.120221971365458	0.00514026373238313	0.27105692210771
SKCM	GATAD2E	cg20773694	-0.109459469343225	47%	-2.3848287249161	0.0174834455095392	0.0119813754289004	0.0656612513261122
SKCM	GATAD2E	cg23046518	0.0801512426930692	47%	1.73953306787152	0.0825984915347952	0.00642422170524327	0.207641279986359
SKCM	GATAD2E	cg23323627	0.154856868745135	47%	3.39459276174174	0.000745648063031325	0.0239806497975479	0.00525685177227665
SKCM	GATAD2E	cg26398333	0.113771797842578	47%	2.47999126258598	0.0134885795365861	0.0129440219843324	0.0538311474103103
SKCM	GLYR1	cg00636946	0.039831664263376	47%	0.863295873581862	0.38841606684784	0.0015865614779903	0.586146524885275
SKCM	GLYR1	cg00885266	-0.105184442734251	47%	-2.29062389728588	0.0224280327882052	0.011063766993315	0.0793364124556947
SKCM	GLYR1	cg01261535	-0.081656996264516	47%	-1.77432257874027	0.0766584778787069	0.00666786503894319	0.196966992373621
SKCM	GLYR1	cg01565912	0.0795825540393325	47%	1.7289560129665	0.0844750288733872	0.00633338290742327	0.211083107833369
SKCM	GLYR1	cg02454264	-0.0613302775976402	47%	-1.33069850829051	0.183934827548451	0.00376140295020361	0.362253822134283
SKCM	GLYR1	cg06399529	-0.11924981276755	47%	-2.60108317511858	0.00958656775526782	0.0142205178450957	0.0412100045285575
SKCM	GLYR1	cg06976003	-0.176029769585334	47%	-3.87264442856745	0.00012295013506142	0.0309864797802657	0.00115055900988604
SKCM	GLYR1	cg11289281	0.0709057735421908	47%	1.53943908958563	0.124371523114259	0.00502762872161645	0.27744553864453
SKCM	GLYR1	cg15663121	0.200150817343015	47%	4.42406830920337	1.20544251899153e-05	0.0400603496830771	0.0001543141416472
SKCM	GLYR1	cg18354686	-0.0372495169708404	47%	-0.807250966368359	0.41993110572221	0.00138752651456093	0.615249398382017
SKCM	GTF2B	cg02705666	-0.1865733435394	47%	-4.11272358649967	4.61760445461904e-05	0.0348096125194709	0.000495068799535052
SKCM	GTF2B	cg04270788	0.0100702023356607	47%	0.218095467387881	0.827449589585831	0.000101408975081145	0.907292853529911
SKCM	GTF2B	cg05306856	-0.235971424826545	47%	-5.2588020100808	2.20803359251581e-07	0.05568251333467	4.42482651458462e-06
SKCM	GTF2B	cg06356032	-0.0347084273910874	47%	-0.752113021010442	0.452360380799372	0.00120467493196239	0.642780073498691
SKCM	GTF2B	cg07167781	-0.119677727854646	47%	-2.61055226245097	0.00932894469472509	0.0143227585444507	0.0403843196504415
SKCM	GTF2B	cg10430205	0.00472908220453392	47%	0.102416078106319	0.918470195907782	2.23642184972394e-05	0.956976694729708
SKCM	GTF2B	cg12074130	-0.205987996940538	47%	-4.55872410410019	6.57487265982321e-06	0.042431054883575	9.04803898281066e-05
SKCM	GTF2B	cg13868361	0.022921904937245	47%	0.496536582215504	0.619748525522398	0.000525413725952097	0.774476591828205
SKCM	GTF2B	cg14010405	0.0103602049475085	47%	0.224137530069766	0.822748105795321	0.00010733384655438	0.904636846198569

SKCM	GTF2B	cg17811845	0.0196182597559621	47%	0.424942817185333	0.671073248736478	0.000384876115852404	0.80949044618285
SKCM	GTF2B	cg22607980	0.0776786470358891	47%	1.68733884005277	0.0922031119528185	0.00603397220532624	0.224695556593141
SKCM	GTF2H1	cg05849260	-0.190809463524756	47%	-4.20958996676629	3.06739502451256e-05	0.0364082513706053	0.000347393985350022
SKCM	GTF2H1	cg07583091	-0.311485391336992	47%	-7.09881398238757	4.68441573469785e-12	0.0970231490163594	2.36789758066981e-10
SKCM	GTF2H1	cg08690812	-0.259468180835468	47%	-5.81841998545756	1.10150922886678e-08	0.0673237368660669	2.98886672307158e-07
SKCM	GTF2H1	cg10797557	0.0329682731852373	47%	0.714362697944321	0.475358318693014	0.00108690703681644	0.663140411448118
SKCM	GTF2H1	cg11063328	-0.114705825869653	47%	-2.50062148868458	0.0127377191509266	0.0131574264884391	0.05154588658069
SKCM	GTF2H1	cg11176342	-0.0340087943529769	47%	-0.736934612118115	0.4615305935866	0.00115659809334308	0.651100953820469
SKCM	GTF2H1	cg11347316	0.123588052875807	47%	2.69715068522716	0.00724541352128004	0.0152740068136333	0.0332978990923543
SKCM	GTF2H1	cg11662851	0.0804441713666121	47%	1.74779618720727	0.0811537268214989	0.00647126470686086	0.205036310102033
SKCM	GTF2H1	cg13777411	0.184242996499807	47%	4.05953781864757	5.76078419837182e-05	0.0339454817592279	0.000600260441907497
SKCM	GTF2H1	cg14132868	0.0864522341188327	47%	1.87928087324431	0.0608259713373526	0.00747398878413746	0.16627572583713
SKCM	GTF2H1	cg17174493	0.132374100558389	47%	2.89219936158484	0.00400339174292125	0.0175229024986424	0.0207585054488313
SKCM	GTF2H1	cg18321761	0.109639114334016	47%	2.38879029012338	0.0172983693665181	0.0120207353919475	0.0651265230846882
SKCM	H2AFZ	cg02758870	-0.149271559819329	47%	-3.26931439501559	0.00115736209904008	0.0222819985708955	0.00758579721397964
SKCM	H2AFZ	cg09308803	-0.0187050199505268	47%	-0.405154423938147	0.685548743026198	0.000349877771349606	0.819030325041761
SKCM	H2AFZ	cg16267491	-0.0960582532165707	47%	-2.08994119270716	0.0371611393586211	0.00922718801101882	0.115989154038861
SKCM	H2AFZ	cg17709884	-0.0677498627929168	47%	-1.47059759450511	0.142070538642047	0.00459004390845905	0.304360297500053
SKCM	H2AFZ	cg20934652	0.0216294940833961	47%	0.468526754408725	0.639625624903459	0.000467835014303667	0.788274441792974
SKCM	H2AFZ	cg23752380	-0.0184814963216515	47%	-0.400311193734668	0.689109598979597	0.000341565706287218	0.821244651021585
SKCM	H2AFZ	cg24061702	-0.0525459093064445	47%	-1.13952989139507	0.255063860720157	0.00276107258484109	0.44932255572147
SKCM	H3F3A	cg06319713	-0.097897141048277	47%	-2.13033338661357	0.0336638720207659	0.00958385022542624	0.107541362515747
SKCM	H3F3A	cg10632229	0.0207102584781553	47%	0.448606021020814	0.653923078818367	0.000428914806232002	0.798031123421015
SKCM	H3F3A	cg10983539	-0.122159671872835	47%	-2.6655030641721	0.00795257365914739	0.0149229854320788	0.0357691093454968
SKCM	H3F3A	cg11978873	-0.0288363239379814	47%	-0.624750996188828	0.532438312432802	0.000831533578256199	0.709871462923497
SKCM	H3F3A	cg15538837	-0.240014658089111	47%	-5.35436742079818	1.3469022269782e-07	0.0576070360976329	2.84583519706219e-06
SKCM	H3F3A	cg15624314	-0.0604336607593501	47%	-1.31117254422002	0.190441052258564	0.00365222735277621	0.370675298627769
SKCM	H3F3A	cg16724613	-0.235997136865414	47%	-5.25940881637247	2.20116543037792e-07	0.0556946486086727	4.4121995230822e-06
SKCM	H3F3A	cg16727519	0.093613851092077	47%	2.03628190428597	0.0422833397722174	0.00876355311628956	0.127498133170123
SKCM	H3F3A	cg18947521	-0.00148150550349424	47%	-0.0320841225927396	0.97441861434424	2.19485855688373e-06	0.986642198466054
SKCM	H3F3A	cg19410789	-0.0863092918352707	47%	-1.87615028330608	0.0612554594968631	0.00744929385710593	0.167133390014694
SKCM	H3F3A	cg21266749	-0.147015535682647	47%	-3.21880332517262	0.0013765023472119	0.0216135677320555	0.00875796381769877
SKCM	H3F3A	cg21789564	-0.13521016892184	47%	-2.95530530412103	0.00328086700610791	0.0182817897798726	0.0176851280399916
SKCM	H3F3A	cg22519151	-0.288042850346099	47%	-6.51405524930912	1.88841225711839e-10	0.082968683635505	7.14528906275625e-09
SKCM	H3F3A	cg27530209	-0.173521427304444	47%	-3.81573513951566	0.000153958552940778	0.0301096857337714	0.00139300438095777
SKCM	H3F3A	cg27560444	-0.175107251957929	47%	-3.83936670911535	0.000140392318106661	0.0306625496882577	0.00128687168549423
SKCM	HAT1	cg00414306	-0.228799314454513	47%	-5.08999032154964	5.19248016091327e-07	0.0523491262948551	9.55175695526335e-06
SKCM	HAT1	cg01583365	0.106078622578132	47%	2.31031731083389	0.0213037413166541	0.0112526741680739	0.0764192028398483
SKCM	HAT1	cg04507121	0.00935741453955414	47%	0.202224292289901	0.8398294478855	8.75612068650592e-05	0.914239784277248
SKCM	HAT1	cg04950839	-0.0948003804065924	47%	-2.06232378320493	0.0397270974816029	0.00898711212523463	0.121890830908121
SKCM	HAT1	cg05421799	-0.0487044693064271	47%	-1.05601709643945	0.291504064722471	0.0023721253304207	0.48911632672856
SKCM	HAT1	cg09545452	-0.28381149982401	47%	-6.40991259685825	3.55299564367554e-10	0.0805489674323542	1.27315404469873e-08
SKCM	HAT1	cg10190161	-0.0959625636720753	47%	-2.08783991358141	0.037351268237638	0.0092088136265171	0.116437770437941
SKCM	HAT1	cg12941622	-0.203486184082475	47%	-4.5009494757655	8.54375447470439e-06	0.0414066271124471	0.000113927465821932
SKCM	HAT1	cg13293756	-0.101630743658094	47%	-2.21241228044627	0.0274192215815689	0.0103288080564973	0.0923278761942853
SKCM	HAT1	cg14446129	0.0290647632028571	47%	0.629704396219509	0.529194643362791	0.000844760460038159	0.707441927478649
SKCM	HAT1	cg16017358	0.253881550917326	47%	5.68441030945106	2.3098392873711e-08	0.0644558418961868	5.86269616710432e-07
SKCM	HDAC1	cg03762702	-0.154678378582222	47%	-3.39058414418308	0.000756371302698778	0.0239254008008253	0.005316330784437
SKCM	HDAC1	cg04967775	-0.160489835541201	47%	-3.52127792019264	0.000471455152843472	0.0257569873120418	0.00356947758251144
SKCM	HDAC1	cg06473843	-0.139547972438151	47%	-3.05197038174725	0.00240247021514131	0.019473636611599	0.0137870882204709
SKCM	HDAC1	cg10842753	-0.140326577447294	47%	-3.06933987029049	0.00226968710341829	0.0196915483380714	0.0131678751975034
SKCM	HDAC1	cg14172124	-0.147724200700209	47%	-3.23466435098219	0.00130386705044797	0.0218224394725155	0.00836975272898337
SKCM	HDAC1	cg20002354	-0.0736341840074132	47%	-1.59899267439615	0.110495654775201	0.00542199305443758	0.25583032641613
SKCM	HDAC1	cg20793809	-0.150249055415006	47%	-3.29121611684677	0.00107279369480676	0.0225747786531014	0.00711786035767993
SKCM	HDAC1	cg21930229	-0.102402526517437	47%	-2.22939068674326	0.0262607402202542	0.0104862774371544	0.0893983616136934
SKCM	HDAC1	cg23018091	-0.24570070196348	47%	-5.48926392487723	6.62065368474985e-08	0.0603688349453468	1.501595139217e-06
SKCM	HDAC1	cg26115470	-0.140782610653634	47%	-3.07951596973369	0.00219506242645134	0.0198197434624526	0.0128027205280669

SKCM	HDAC10	cg00711351	-0.0802883017390637	473	-1.74438764203302	0.0817466071912668	0.00644621139614294	0.206159288094058
SKCM	HDAC10	cg01120165	-0.0260163470400322	473	-0.563611394247085	0.573288006469587	0.000676850313307393	0.740712229808858
SKCM	HDAC10	cg04321608	-0.0378114324627208	473	-0.819445794125227	0.412948334034419	0.00142970442488289	0.60852991414964
SKCM	HDAC10	cg04586023	-0.07667245699321	473	-1.66535223758077	0.096510293595986	0.00587866566137563	0.232166637016735
SKCM	HDAC10	cg07482373	-0.28016673870306	473	-6.3205339931287	6.07250807672694e-10	0.0784934014755089	2.08659316837851e-08
SKCM	HDAC10	cg07744063	-0.0443546623493844	473	-0.96150892813505	0.336791789235539	0.0019673360721279	0.536420376549138
SKCM	HDAC10	cg09151829	-0.0798944380354176	473	-1.73577523381459	0.0832603610576263	0.00638312122899518	0.208819283258656
SKCM	HDAC10	cg10508940	-0.06899914137539	472	-1.4962456265791	0.135263704176817	0.00476088151054106	0.294072813190859
SKCM	HDAC10	cg11645658	-0.232891504284433	473	-5.18619976527614	3.19855268854618e-07	0.0542384527678659	6.16674616735468e-06
SKCM	HDAC10	cg12464820	-0.061593452155095	473	-1.33643037189036	0.18205663560067	0.00379375334838198	0.359625640253123
SKCM	HDAC10	cg26943378	-0.0788357669879954	473	-1.71262988064158	0.0874416022930341	0.00621507815658551	0.216366776838538
SKCM	HDAC11	cg01409735	-0.149941718730761	473	-3.28432888414724	0.00109874818581845	0.0224825190159346	0.0072572606866667
SKCM	HDAC11	cg01712016	-0.0269030881583258	473	-0.582835208272492	0.560284358042959	0.000723776152454648	0.730953569505181
SKCM	HDAC11	cg02762546	-0.361430441465186	473	-8.39477992572067	5.56446356067232e-16	0.130631964017719	4.86384132852744e-14
SKCM	HDAC11	cg02941903	-0.0639169938518281	473	-1.38704869765576	0.166085731086019	0.00408538210305463	0.33837401435433
SKCM	HDAC11	cg05987698	-0.123448291092801	473	-2.69405333490325	0.00731203419899456	0.0152394805737329	0.0335119823539874
SKCM	HDAC11	cg07450135	-0.0918055516853285	473	-1.99661024650164	0.0464450679965032	0.00842825932024753	0.136664937579241
SKCM	HDAC11	cg08051076	-0.0899356581548104	473	-1.95560824183495	0.0511046799110132	0.00808842260773891	0.146605113540724
SKCM	HDAC11	cg08448040	-0.0143419533383496	473	-0.310627138884785	0.756222091529017	0.000205691625559398	0.864034858172755
SKCM	HDAC11	cg10455785	-0.0392805017663061	473	-0.851331603848773	0.395019634140117	0.00154295781901278	0.591631672212254
SKCM	HDAC11	cg11432034	-0.0618111954163441	473	-1.34117296683757	0.180513422353604	0.00382062387879748	0.357630185812576
SKCM	HDAC11	cg13397067	-0.0669597573795177	473	-1.45336964484512	0.146789926099662	0.00448360910832388	0.311205524363578
SKCM	HDAC11	cg13706066	-0.111727254921169	473	-2.43485585056736	0.0152695788896632	0.0124829794922199	0.0592164317119869
SKCM	HDAC11	cg16254764	-0.103912866159079	473	-2.26262836254665	0.0241152182525646	0.0107978837533948	0.0838819266148004
SKCM	HDAC11	cg18521047	-0.119022846992439	473	-2.5960613768948	0.0097257609911359	0.0141664381061855	0.0416793836029541
SKCM	HDAC11	cg19779799	-0.151167791296276	473	-3.31181027238211	0.000998539725739049	0.0228517011253946	0.00670687906914161
SKCM	HDAC11	cg20894727	-0.099555597204305	473	-2.16678035728759	0.0307544006794179	0.00991130947124821	0.1004959821252
SKCM	HDAC11	cg20922324	-0.0870913647476055	473	-1.89327995543531	0.0589359339346109	0.00758490581360046	0.162491566646907
SKCM	HDAC11	cg21655280	-0.124185981651976	473	-2.710403610278	0.00696648655395019	0.0154221580388649	0.0322807882001444
SKCM	HDAC11	cg25127083	-0.156856754549178	473	-3.43953054379409	0.000634750210451326	0.024604041447701	0.00458663922272436
SKCM	HDAC11	cg25150878	-0.09879402826438	473	-2.15004197947721	0.0320625371203766	0.00976026002070312	0.103720600995616
SKCM	HDAC11	cg27025856	-0.165521865462356	473	-3.63474627509399	0.00030902639209093	0.0273974879461384	0.00250655814266727
SKCM	HDAC2	cg00161229	-0.188027547827305	473	-4.14594942916521	4.01673203484214e-05	0.0353543587419495	0.000439737759525063
SKCM	HDAC2	cg01129566	0.054376658236635	473	1.17934793819034	0.238857562666588	0.00295682096098381	0.430649977521195
SKCM	HDAC2	cg08198132	-0.290239809631909	473	-6.56829068721834	1.35443178726864e-10	0.084239147095167	5.26570047270249e-09
SKCM	HDAC2	cg10999867	0.112246442705016	473	2.44631447089088	0.0147987873973368	0.0125992638999303	0.05777371740796
SKCM	HDAC2	cg13393754	-0.199681683031465	473	-4.41326755564196	1.26466663093904e-05	0.0398727745382786	0.000160941396838331
SKCM	HDAC2	cg15005908	-0.264805637065433	473	-5.94703736007219	5.34087729323174e-09	0.0701220254216299	1.54112836850768e-07
SKCM	HDAC2	cg15242771	-0.211235854284897	473	-4.68021837408095	3.75583474427212e-06	0.0446205861354703	5.52850346444475e-05
SKCM	HDAC2	cg18387216	-0.263748953987272	473	-5.92152817894045	6.17173347011463e-09	0.0695635107293799	1.75676485025283e-07
SKCM	HDAC2	cg18674783	0.13753541117202	473	3.00709987503481	0.00277917786642941	0.0189159893262566	0.0154884564038262
SKCM	HDAC2	cg22867643	-0.307969666653725	473	-7.01024122782115	8.33137606820043e-12	0.0948453155788062	4.02066420502224e-10
SKCM	HDAC2	cg24023618	0.129210189770758	473	2.82188377346446	0.00497698974208234	0.0166952731405954	0.0246737152686435
SKCM	HDAC3	cg01947930	-0.0861941426066152	473	-1.87362847610507	0.0616032577746213	0.00742943021968952	0.167864507874843
SKCM	HDAC3	cg01961137	-0.295751902217484	473	-6.70486748881602	5.80901797812923e-11	0.0874691876652603	2.40375927973716e-09
SKCM	HDAC3	cg04284814	-0.174868711297551	473	-3.84629272975492	0.000136492007209801	0.0305790661908662	0.00125689621317226
SKCM	HDAC3	cg08520975	-0.0384953648961116	473	-0.834289714943437	0.40454247844731	0.00148189311848478	0.600958172325275
SKCM	HDAC3	cg10414058	0.0890960249906792	473	1.93720403391887	0.053320522195561	0.00793810166913973	0.151177808283456
SKCM	HDAC3	cg11064797	0.137038154245166	473	2.99601929200183	0.00288018506112998	0.018779455718922	0.0159349346878277
SKCM	HDAC3	cg11153694	0.0765130939402753	473	1.66187041233435	0.0972069638456711	0.0058542535443134	0.233310880264825
SKCM	HDAC3	cg12082871	0.0351459768161874	473	0.761606135845443	0.446677904980335	0.00123523968636398	0.638437979595915
SKCM	HDAC3	cg14098966	-0.253781005355884	473	-5.6820040906489	2.34045464618026e-08	0.064404798679443	5.93072732068232e-07
SKCM	HDAC3	cg17940889	-0.00932101599277711	473	-0.201868493201157	0.840107063185809	8.68813391376066e-05	0.914341320035211
SKCM	HDAC3	cg18671773	-0.128358064144321	473	-2.80296098731158	0.005273373355048931	0.0164757926308777	0.0258621288968826
SKCM	HDAC3	cg19549288	0.0287506942162695	473	0.622894255448821	0.533656771271617	0.000826602417917433	0.71069015431744
SKCM	HDAC3	cg20642138	-0.23096446284017	473	-5.14085816379409	4.02279532035185e-07	0.0533445830950484	7.58113709184719e-06
SKCM	HDAC3	cg23421926	-0.171522776316311	472	-3.76642279265093	0.000186711633717422	0.0294200627952551	0.00163816583774444

SKCM	HDAC3	cg24385322	0.0951161331531987	475	2.06925539614634	0.0390692936959502	0.00904707878601703	0.120380094810787
SKCM	HDAC6	cg07153944	0.000797722994750582	471	0.0172758200046973	0.986223922304687	6.36361976353836e-07	0.992783434417324
SKCM	HDAC6	cg07674520	-0.0533497997908371	435	-1.10915018244008	0.267983893350356	0.00284620113772241	0.463680500862916
SKCM	HDAC6	cg10783042	-0.0149479932118337	471	-0.32375600964827	0.746267083836874	0.00023442501061026	0.857555118801222
SKCM	HDAC6	cg12510923	-0.0172833255756049	455	-0.36953049653443	0.711903512742468	0.00029871334295236	0.836040364571163
SKCM	HDAC6	cg13178935	0.00802644876158165	471	0.173829647269342	0.8620743471111102	6.44238797222956e-05	0.926736375100517
SKCM	HDAC6	cg17152375	0.017907778058014	471	0.387880344285282	0.698280568113983	0.000320688514975089	0.826977749248047
SKCM	HDAC6	cg24616736	-0.0168581189266212	471	-0.365138187807773	0.715172859617335	0.000284196173744103	0.838058014988943
SKCM	HDAC6	cg26680189	0.0275528692071995	471	0.596922795527876	0.550846968995128	0.000759160601549042	0.723335906453201
SKCM	HDAC9	cg00332048	-0.0599846150712319	475	-1.3013947065801	0.193762300882952	0.00359815404524386	0.374879863584977
SKCM	HDAC9	cg02301805	-0.13370645858477	475	-2.92183682742506	0.00364770674004119	0.0178774170672808	0.0192542881079363
SKCM	HDAC9	cg03260621	-0.0175706294601761	475	-0.380575468879129	0.703690596825736	0.000308727019626809	0.830734423258438
SKCM	HDAC9	cg07513622	-0.0144975289616248	475	-0.313997399147984	0.753662630347003	0.000210178345993149	0.862313664331315
SKCM	HDAC9	cg08146609	0.0999011785562291	475	2.17437828821399	0.0301759436535853	0.00998024547692357	0.0991220436847956
SKCM	HDAC9	cg08285151	-0.116382957710815	475	-2.53768183258043	0.0114816134757266	0.0135449928455174	0.047500565769553
SKCM	HDAC9	cg08725366	0.0684501743048597	475	1.48586994476297	0.137985395245268	0.00468542636236567	0.29825938179658
SKCM	HDAC9	cg10068437	-0.0751092662087302	475	-1.6312045484406	0.103518446654861	0.0056414018704139	0.244085534479079
SKCM	HDAC9	cg11321459	0.0692364889066408	475	1.5030204761904	0.133506789871069	0.0047936913961194	0.29148033260075
SKCM	HDAC9	cg11765288	-0.0349261997814423	475	-0.756837777479428	0.44952708466133	0.00121983943117322	0.640743706697635
SKCM	HDAC9	cg12081743	-0.0133094475709556	475	-0.288260357109715	0.77327479788428	0.000177141394644015	0.874232343362702
SKCM	HDAC9	cg16475478	0.0850534008612012	475	1.84864991465966	0.0651375839586647	0.00723408099805618	0.174879666154071
SKCM	HDAC9	cg18856632	-0.0983044851571427	475	-2.13928389199297	0.0329283255905526	0.00966377180201088	0.105778013832905
SKCM	HDAC9	cg19585556	0.0218906025829402	472	0.473679647265113	0.635949256056466	0.000479198481444228	0.785670895301218
SKCM	HDAC9	cg20648975	0.0228449967401112	472	0.494341856634579	0.621296724557092	0.000521893876055693	0.775601479374719
SKCM	HDAC9	cg21433125	-0.00517602919143996	475	-0.112095700701552	0.91079548567681	2.67912781906387e-05	0.952746161049252
SKCM	HDAC9	cg23074799	0.0406491526509504	475	0.881042825741659	0.37874591112045	0.00165235361124026	0.577298471917087
SKCM	HDAC9	cg23385718	-0.0502025372554662	475	-1.08857925648816	0.276898525280384	0.00252029474688647	0.473658557448924
SKCM	HDAC9	cg24350771	0.119885657405155	475	2.61515394863943	0.00920599957572113	0.0143725708514663	0.0400073476897184
SKCM	HDAC9	cg25620356	-0.007207220235136	475	-0.156086554650691	0.876031957460597	5.19440235177539e-05	0.934385407882598
SKCM	HDGF	cg00692559	-0.0648445655530812	475	-1.40726211402981	0.160012045547406	0.00420481768176784	0.329765207992871
SKCM	HDGF	cg00746981	-0.0244625895287564	475	-0.529930399105651	0.596410965657079	0.000598418286452423	0.757549809073362
SKCM	HDGF	cg01910231	-0.00971246413595065	475	-0.210347005796741	0.833488202640334	9.43319595921277e-05	0.910679511744412
SKCM	HDGF	cg02914429	0.0812878438043976	475	1.76624779831057	0.0780047701594371	0.00660771355036814	0.199287457792553
SKCM	HDGF	cg04402095	-0.0949064114340707	475	-2.06465137623314	0.039505167227927	0.00900722693129311	0.121381767815844
SKCM	HDGF	cg05762852	0.0806141799976775	475	1.75151407019093	0.0805110379401121	0.00649864601669795	0.203942250974171
SKCM	HDGF	cg05967123	0.0372703787728497	475	0.807703700532201	0.419670631822488	0.00138908113387168	0.615022551653956
SKCM	HDGF	cg06106793	0.0432350794926122	475	0.937192857908468	0.349141710391843	0.0018692720987325	0.548204937138446
SKCM	HDGF	cg06119628	-0.23356500344919	475	-5.20206180980455	2.95085583489692e-07	0.0545526108362199	5.73610391854e-06
SKCM	HDGF	cg07313589	-0.115440285835175	475	-2.51684849743031	0.0121734384189022	0.0133264595937068	0.049730634267714
SKCM	HDGF	cg07892339	0.09046162205065	475	1.96713916409704	0.0497561817478353	0.00818330506403464	0.143786493420918
SKCM	HDGF	cg08597205	-0.048534828631882	475	-1.052330223589	0.293189943840846	0.00235562959032615	0.490862533705392
SKCM	HDGF	cg08708935	-0.0515054965762269	475	-1.11690649686003	0.264606163287501	0.00265281617756372	0.46019296714483
SKCM	HDGF	cg09063372	0.117500415301973	475	2.56238699535796	0.0107067465814693	0.0138063475961362	0.0449599737355677
SKCM	HDGF	cg09477492	-0.00627383472912925	475	-0.135871397581163	0.891981245137388	3.93610022084283e-05	0.942758396068393
SKCM	HDGF	cg11588596	0.0475027494254781	475	1.02990156295569	0.3035870447326	0.00225651120297976	0.502066009108143
SKCM	HDGF	cg12220178	-0.0896719154300329	475	-1.9498267234831	0.0517922805953458	0.00804105241689097	0.148051416550944
SKCM	HDGF	cg12421458	0.106641967375886	475	2.32272732196313	0.0206208267809434	0.0113725092057995	0.0745573804887855
SKCM	HDGF	cg13170934	0.00532462465896366	475	0.115313877823642	0.908245692684461	2.83516277588438e-05	0.951353396662065
SKCM	HDGF	cg13235992	0.17160190445975	475	3.77223677277612	0.000182492997387249	0.0294472136142131	0.00160579801365724
SKCM	HDGF	cg14155849	-0.131336373969456	475	-2.86912684966199	0.00430184984998754	0.0172492431274447	0.0220104388972868
SKCM	HDGF	cg15503799	-0.0307498642173458	475	-0.666246660779123	0.505581032373299	0.000945554149385206	0.688714802337318
SKCM	HDGF	cg17170583	0.00262283309538164	475	0.0568013385533318	0.954727638315892	6.87925344622923e-06	0.975963840054141
SKCM	HDGF	cg17218029	-0.123948337270999	475	-2.70513593044064	0.00707617280130644	0.0153631903122454	0.0326754785365248
SKCM	HDGF	cg17971171	0.12005873187977	475	2.61898452383918	0.00910476514132462	0.0144140991005784	0.0396871238529841
SKCM	HDGF	cg18593717	-0.117484133395968	475	-2.56202695838921	0.0107176955026025	0.0138025215998015	0.044990563959346
SKCM	HDGF	cg19599803	-0.197432979740489	475	-4.36153999345944	1.58906865622602e-05	0.0389797814892085	0.00019578715084328
SKCM	HDGF	cg20284773	0.0983509128558393	475	2.14030410905303	0.0328453677481397	0.00967290205957689	0.105572554584092

SKCM	HDGF	cg23747104	0.11181524594107	473	2.43679769473707	0.0151888766455827	0.0125026492248619	0.0589563651215679
SKCM	HDGF	cg26431298	0.04120061866497	473	0.893015665503975	0.372306763676594	0.00169749097837627	0.570951592285463
SKCM	HDGFL1	cg02685945	0.00482467238944918	471	0.104486288995967	0.916828116318499	2.32774636655132e-05	0.956116142863496
SKCM	HDGFL1	cg03930485	-0.0320843061604055	471	-0.695188725786315	0.48728132006397	0.00102940270179463	0.673576939711014
SKCM	HDGFL1	cg05276066	0.0794443919522887	471	1.72593531674281	0.0850176655878317	0.00631141141266887	0.212072303801923
SKCM	HDGFL1	cg06566039	-0.00635347847285376	471	-0.137596298114176	0.890618532845681	4.03666887050162e-05	0.942111693239195
SKCM	HDGFL1	cg08671671	-0.0205035539513235	471	-0.444126690581746	0.657155837437824	0.000420395724634832	0.800305070426179
SKCM	HDGFL1	cg09081892	-0.0168217150852721	471	-0.364349475898975	0.71576127038329	0.000282970098410072	0.838416178265396
SKCM	HDGFL1	cg11894257	0.0385947111514315	471	0.83644600163941	0.403330008756628	0.00148955172886243	0.599793630438851
SKCM	HDGFL1	cg15317945	0.0726505706389877	471	1.57751905053371	0.115350365876481	0.00527810541417055	0.263440283092943
SKCM	HDGFL1	cg20209681	-0.11309553557404	471	-2.46505856640814	0.0140562925465239	0.0127906001667789	0.0555186445148394
SKCM	HDGFL1	cg21898884	0.0806869463941469	471	1.75310543020823	0.0802372191531131	0.00651038331841194	0.203485199707174
SKCM	HIST1H1	cg00667898	-0.219928488591259	473	-4.88240178300967	1.43950894713037e-06	0.0483685400940357	2.3570860667872e-05
SKCM	HIST1H1	cg00700007	-0.210697748214832	473	-4.66774129113689	3.98039879538132e-06	0.0443935411028007	5.81395313345652e-05
SKCM	HIST1H1	cg03821311	-0.0907938461069686	473	-1.97442350295953	0.0489198312526527	0.00824352249089591	0.141964352310931
SKCM	HIST1H1	cg04676561	-0.231799646245829	473	-5.16050141267172	3.64316198338463e-07	0.0537310759996916	6.9228263715727e-06
SKCM	HIST1H1	cg07138603	-0.22726585138185	473	-5.05401152563032	6.21189433693155e-07	0.051649767204317	1.12122530869432e-05
SKCM	HIST1H1	cg11206041	-0.230175233437011	473	-5.12230677113904	4.4163093647496e-07	0.0529806380877824	8.24879641587827e-06
SKCM	HIST1H1	cg14334286	-0.226349356277941	473	-5.0325272566298	6.91022024732923e-07	0.0512340310874383	1.23155480852401e-05
SKCM	HIST1H1	cg18798248	-0.223559867383051	473	-4.9672230855199	9.53064143769635e-07	0.0499790143043273	1.64177750222354e-05
SKCM	HIST1H1	cg23460835	-0.222252296007946	473	-4.93665614113493	1.10651500675508e-06	0.0493960830808038	1.87130931381531e-05
SKCM	HIST1H1	cg00903962	-0.0731358286880082	473	-1.58811231448004	0.112934837002596	0.00534884943788168	0.259892107965684
SKCM	HIST1H1	cg04290376	-0.0195278594557625	473	-0.422983945843162	0.672500852120532	0.000381337294924014	0.810430512282192
SKCM	HIST1H1	cg07750111	0.023495979534229	473	0.508979028249842	0.611006285834777	0.000552061054272908	0.768067462757823
SKCM	HIST1H1	cg08283682	0.0530260004561334	473	1.14997054811645	0.250742040958843	0.00281175672437386	0.444347891366093
SKCM	HIST1H1	cg10717387	-0.0234016014538662	473	-0.506933451153274	0.612439767366517	0.000547634950605591	0.769136157276792
SKCM	HIST1H1	cg12633985	-0.00304680153154945	473	-0.0659830827984949	0.947419410795217	9.2829995726521e-06	0.971983246866634
SKCM	HIST1H1	cg15022984	0.00632910666568731	473	0.137068460480858	0.891035502856649	4.00575911856475e-05	0.942381675700361
SKCM	HIST1H1	cg16481032	-0.044738293845538	473	-0.969841799601063	0.332625237287252	0.00200151493620971	0.53233301462877
SKCM	HIST1H1	cg16482183	0.0241113010598293	473	0.522316016552642	0.60169693359117	0.000581354838797727	0.761285678882859
SKCM	HIST1H1	cg17691542	0.0509451866232736	473	1.10472427712673	0.269845503485089	0.00259541204008017	0.465915022572802
SKCM	HIST1H1	cg20855557	-0.0238840673110683	473	-0.517390695742015	0.605127383445815	0.000570448671319642	0.763866454740323
SKCM	HIST1H1	cg23407813	-0.00171175135493268	473	-0.0370704397520057	0.970444614572105	2.93009270111387e-06	0.984351371505497
SKCM	HIST1H3	cg00958605	-0.104855690107991	473	-2.28338486581747	0.0228541279573295	0.010994715748023	0.0805360586298464
SKCM	HIST1H3	cg01043409	-0.119901698219933	473	-2.61550896220223	0.00919657508427631	0.0143764172360239	0.0399780972496366
SKCM	HIST1H3	cg08041469	-0.122211958446903	473	-2.66666124282128	0.00792563871855907	0.0149357627874276	0.0356768393977308
SKCM	HIST1H3	cg08401836	-0.0893082639698963	473	-1.94185577829697	0.0527529907597127	0.00797596601331669	0.150000590780405
SKCM	HIST1H3	cg10075390	-0.121690335809218	473	-2.65510799928349	0.00819803038730682	0.0148085378293602	0.0366148568119271
SKCM	HIST1H3	cg15479139	-0.10870410398876	473	-2.36817384905463	0.0182807127431159	0.0118165822239992	0.0679372171756536
SKCM	HIST1H3	cg15797414	-0.122357049472864	473	-2.66987521324482	0.00785132249778604	0.014971247555705	0.035407871443059
SKCM	HIST1H3	cg21209604	-0.0935407108129986	473	-2.03467691313445	0.0424453501420785	0.00874986457940103	0.127860971186892
SKCM	HIST1H3	cg23099349	-0.115487283940762	473	-2.51788700611744	0.0121380935981389	0.0133373127520142	0.0496044785340208
SKCM	HIST1H3	cg25701114	0.00852202439595081	473	0.18456313789777	0.853651478958731	7.26248998051807e-05	0.921966206568838
SKCM	HLTF	cg00906762	-0.0355912314517112	473	-0.771266873868755	0.440937156977475	0.00126673575624927	0.633486423653126
SKCM	HLTF	cg02059813	-0.119262030915968	473	-2.60135352309222	0.00957912510068564	0.0142234320182013	0.0411825619277557
SKCM	HLTF	cg02398045	-0.101137005462725	473	-2.20155268169661	0.0281831748601098	0.0102286938739673	0.0942605673107211
SKCM	HLTF	cg02611507	-0.192889767024175	473	-4.2572487493711	2.50090254788678e-05	0.0372064622226406	0.000291013471308015
SKCM	HLTF	cg02710346	-0.0204244884527568	473	-0.442413339745295	0.658394080507875	0.000417159728556796	0.801226448024112
SKCM	HLTF	cg03678609	-0.0668911052068043	473	-1.45187284035172	0.147205570896482	0.00447441995578776	0.311842222402439
SKCM	HLTF	cg04120413	-0.223638881436375	473	-4.96907109025031	9.44477630805441e-07	0.050014349290113	1.62878946599154e-05
SKCM	HLTF	cg04731810	-0.197187764590098	473	-4.35590358924825	1.62887966307652e-05	0.0388830145040398	0.000200153316236574
SKCM	HLTF	cg04836786	-0.0686245332527141	473	-1.48967269615942	0.136982472320985	0.00470932656415286	0.296769924577773
SKCM	HLTF	cg05555455	-0.0224790771933134	473	-0.486939106169392	0.62652897383158	0.000505308911462942	0.779145005918759
SKCM	HLTF	cg07275648	-0.137518012696484	473	-3.00671213849292	0.00278265683670636	0.0189112038159904	0.0154989468761018
SKCM	HLTF	cg09352720	-0.115982030982977	473	-2.52882038381432	0.0117714847281231	0.0134518315109362	0.0484473009702469
SKCM	HLTF	cg09392355	-0.0380296883589458	473	-0.824182646348477	0.410254724234849	0.00144625719667854	0.606149983747082
SKCM	HLTF	cg15438497	-0.0102503613781008	472	-0.221760871747946	0.824596772565799	0.000105069908381661	0.905730857284295

SKCM	HLTF	cg16724124	0.202632530837544	473	4.48125708611817	9.33569258585851e-06	0.0410599425536281	0.000123321422028007
SKCM	HLTF	cg20117402	-0.126248924841244	473	-2.75615129176817	0.00607645527315559	0.01593879102357	0.0289705069265102
SKCM	HLTF	cg21089667	-0.222190637243086	473	-4.93521544479514	1.11430718412349e-06	0.0493686792784885	1.8832590284967e-05
SKCM	HLTF	cg21111416	-0.202369805344086	473	-4.47519858351667	9.59317201448533e-06	0.0409535381150034	0.00012626788984332
SKCM	HLTF	cg21835021	-0.223306983444536	473	-4.96130925165334	9.8105165400415e-07	0.0498660088550984	1.68352979541208e-05
SKCM	HLTF	cg21926402	-0.0617006914345298	473	-1.33876609167519	0.181295383274465	0.00380697532349906	0.358564989845378
SKCM	HLTF	cg24041269	-0.0476524650709984	472	-1.03205287411728	0.302580384888831	0.00227075742734272	0.500947101154655
SKCM	HLTF	cg24710191	0.31025787717269	462	6.98447538826449	1.01172424023745e-11	0.0962599503477037	4.7948862621025e-10
SKCM	HLTF	cg25951608	-0.149468005673183	473	-3.2737151624546	0.00113988872266729	0.0223406847199186	0.00748514419609853
SKCM	HLTF	cg26151310	-0.137684268213924	473	-3.01041736874712	0.00274957414417985	0.0189569577136036	0.0153597853635163
SKCM	HLTF	cg27554556	-0.0716545145247289	473	-1.5557784998795	0.120435286247743	0.00513436945177459	0.271380565935492
SKCM	IDH1	cg00707300	0.0389023270420338	473	0.843122888749686	0.39958950034347	0.00151339104928535	0.596230423494253
SKCM	IDH1	cg01046174	0.0494712171611036	473	1.07268230074209	0.283965312111013	0.00244740132740107	0.481239053031634
SKCM	IDH1	cg02241586	0.139521089567389	473	3.05137076927087	0.00240717889711437	0.0194661344340713	0.0138079984605601
SKCM	IDH1	cg03448938	0.0455579603512546	473	0.987647246177193	0.323834686716651	0.00207552775136649	0.523196818745901
SKCM	IDH1	cg05268564	0.0219865311471402	473	0.476264414061508	0.63410780507276	0.000483407551884164	0.784539555148944
SKCM	IDH1	cg07129696	0.0145879834204151	473	0.315956939406439	0.752175751010759	0.000212809260274306	0.861201855971137
SKCM	IDH1	cg07915542	0.0523824760067495	473	1.13597584958933	0.256546811523835	0.00274392379259768	0.450881137169828
SKCM	IDH1	cg09406631	0.166703325863036	473	3.66142922431152	0.000279354393469482	0.0277899988537976	0.00230188493650724
SKCM	IDH1	cg09615745	0.0263487861889318	473	0.570818241593649	0.568396248836511	0.000694258533630045	0.736902221181361
SKCM	IDH1	cg10356455	0.0811560134912597	473	1.76336434113127	0.0784901782299276	0.00658629852579352	0.200171206855507
SKCM	IDH1	cg14772913	0.0470348250087132	473	1.01973394286085	0.308380382379079	0.00221227476360027	0.506944687927606
SKCM	IDH1	cg15399923	-0.0233222638813754	473	-0.505213876754386	0.61364594820378	0.000543927992552506	0.770091513059604
SKCM	IDH1	cg16085695	-0.00475090397358758	473	-0.102888675163542	0.918095303602982	2.25710885662503e-05	0.956864848858423
SKCM	IDH1	cg16863783	0.0536895010949821	473	1.16440117251939	0.244853430104227	0.00288256252782808	0.43780750473056
SKCM	IDH1	cg24324379	-0.0475523971813245	473	-1.03098040839705	0.303081373174801	0.00226123047769044	0.501465658785157
SKCM	IDH1	cg24830471	0.0453376719316084	473	0.98286177132495	0.326182220666618	0.00205550449617815	0.525688356253442
SKCM	IDH1	cg24987806	0.0288924188890961	473	0.625967331098744	0.531640877141051	0.000834771869262998	0.709273900229989
SKCM	IDH1	cg25795625	0.0637600510115539	472	1.38215312469729	0.16758398495801	0.00406534410499596	0.340401277469998
SKCM	IDH1	cg26105702	-0.0983776311238758	473	-2.14089123119413	0.0327977079786811	0.00967815830554538	0.105476018788488
SKCM	ING2	cg02075087	-0.137917963947895	473	-3.01562603453026	0.00270367711436111	0.0190213647795329	0.0151582900584588
SKCM	ING2	cg02552216	-0.175806317039529	473	-3.86757159583843	0.000125454041715701	0.0309078611110035	0.00117046212863209
SKCM	ING2	cg10348863	0.011903224578185	473	0.257799349953648	0.796674844727049	0.000141686755358707	0.888677344090679
SKCM	ING2	cg17985608	-0.00419217338116013	473	-0.0907882142008273	0.927699636094755	1.75743176577076e-05	0.961874789955423
SKCM	ING3	cg01382559	-0.18846926792257	473	-4.15604749054739	3.84938588072608e-05	0.0355206649512693	0.000423144164483827
SKCM	ING3	cg01416111	-0.160430082258604	472	-3.5161776477335	0.000480459838048433	0.0257378112935024	0.00362073938207302
SKCM	ING3	cg10268125	0.0727292269813161	473	1.57923605488715	0.114956101342931	0.0052895404572998	0.262813399025277
SKCM	ING3	cg14303833	-0.100260333742753	473	-2.18227463860809	0.0295847305417388	0.0100521345222082	0.0976500711852022
SKCM	ING3	cg16130600	0.175122829521538	473	3.8520588476713	0.000133413556527622	0.0306680054196295	0.00123234079987056
SKCM	ING3	cg18485114	0.0834081481159595	473	1.81263706099115	0.0705270601977643	0.00695691917213383	0.185395084173308
SKCM	ING3	cg19478983	0.192188028859514	473	4.24116562925801	2.67987260353568e-05	0.0369362384369055	0.00030876482422905
SKCM	ING3	cg19960827	0.0991374378957158	473	2.1575896113789	0.0314668671930119	0.00982823159252691	0.102304140187779
SKCM	ING3	cg20553930	-0.0606193610165003	473	-1.31521634582518	0.189079850793629	0.00367470693004879	0.368842061666899
SKCM	ING3	cg24859794	-0.0725185735635369	473	-1.57463772758547	0.116014381521118	0.00525894351169011	0.264524567809694
SKCM	ING4	cg00369908	-0.0109920035160434	473	-0.238061693221307	0.811937215529924	0.000120824141296712	0.898707279782236
SKCM	ING4	cg00443163	-0.129082919708747	473	-2.81905713935126	0.0050202805122865	0.0166624001605349	0.0248519059607264
SKCM	ING4	cg00591160	-0.186813177890536	473	-4.11820141638792	4.51297737675273e-05	0.034899163433561	0.000485658544815468
SKCM	ING4	cg03930474	-0.180059264042536	473	-3.9642291533477	8.51151932322427e-05	0.0324213385675398	0.000837840230584473
SKCM	ING4	cg04375284	-0.236135917522904	473	-5.26268425363357	2.16444836210418e-07	0.0557601715443838	4.34419752016338e-06
SKCM	ING4	cg08733494	-0.193902179459121	473	-4.28046416858067	2.26255935540823e-05	0.0375980551989972	0.000266727598870477
SKCM	ING4	cg12392916	-0.179733132969526	473	-3.95680905490167	8.77129534476434e-05	0.0323039990870412	0.0008593880983005
SKCM	ING4	cg18123790	-0.0600870097213327	473	-1.30362424992754	0.193001259698	0.00361044873725153	0.373900288797346
SKCM	ING4	cg23354319	-0.191801192064955	473	-4.23230261631978	2.78365437781929e-05	0.0367876972775376	0.000319250284451241
SKCM	ING4	cg27116036	-0.215945779024089	473	-4.78961921634376	2.24475127576873e-06	0.0466325794783206	3.4963239403684e-05
SKCM	INO80	cg00734724	0.0280804912994376	473	0.60836247004297	0.543241604646201	0.000788513991617792	0.717609107673385
SKCM	INO80	cg06380007	0.0421017499778315	473	0.91258182832419	0.361931368688502	0.00177255735119583	0.560824747184797
SKCM	INO80	cg12580230	-0.0348751380667213	473	-0.755729940665114	0.450190514005748	0.00121627525517287	0.641139696561132

SKCM	INO80	cg18952654	0.210273687037563	47%	4.65791169990326	4.16634910268097e-06	0.0442150234603711	6.06392819633233e-05
SKCM	INO80	cg21007089	-0.0667120366559982	47%	-1.44796875527004	0.148293936580623	0.00445049583479124	0.31328423045712
SKCM	INO80	cg21598047	-0.0563346806735408	47%	-1.22194734409611	0.22234133802976	0.00317359624658981	0.410928966328213
SKCM	INO80	cg22835709	-0.366128529308258	47%	-8.52066732323348	2.18160729571231e-16	0.134050099973428	2.02042807098385e-14
SKCM	INO80	cg26409855	0.114528213147069	47%	2.49669797442459	0.0128775949219747	0.0131167116066605	0.0519713436065627
SKCM	INO80	cg27441689	-0.376826139868204	47%	-8.81014948945976	2.44112907539162e-17	0.141997939687971	2.51197348268539e-15
SKCM	INTS12	cg00093890	0.0959539269395696	47%	2.08765025952176	0.0373684693970145	0.00920715609512426	0.116482057469702
SKCM	INTS12	cg01852585	0.0513532382649329	47%	1.11359600317103	0.266022932811308	0.00263715508029497	0.461848915064449
SKCM	INTS12	cg03607115	0.0775182770601538	47%	1.68383419520353	0.0928791070946912	0.00600908327837477	0.2259149315988
SKCM	INTS12	cg19703969	0.113233982928703	47%	2.46811536973391	0.013938385734859	0.0128219348898978	0.0551846292359723
SKCM	INTS12	cg26533745	0.0597558648736579	47%	1.29641404361589	0.195470400258759	0.00357076338679886	0.377218305162977
SKCM	IWS1	cg02372421	-0.208819424420579	47%	-4.62422324588206	4.86911059395382e-06	0.0436055520153421	6.95789106440198e-05
SKCM	IWS1	cg02592214	-0.164199403104337	47%	-3.60489791567493	0.000345716437772735	0.0269614439798206	0.00275221700369342
SKCM	IWS1	cg10180764	-0.13284307452197	47%	-2.90262956346546	0.00387476458683779	0.0176472824484498	0.0202440185539597
SKCM	IWS1	cg10488833	-0.09636884511349	47%	-2.09676198870001	0.0365496632802623	0.00928695430850781	0.114577067425239
SKCM	IWS1	cg15239145	-0.0995642096628029	47%	-2.16697050410138	0.0307398084286987	0.00991303184577858	0.100460958532271
SKCM	IWS1	cg17144508	-0.0385552517808992	47%	-0.835589542475334	0.403811330011541	0.00148650743988853	0.60029616492935
SKCM	IWS1	cg18451256	0.162762556310361	47%	3.57249053044745	0.000390160538117945	0.0264916497366835	0.00304190708582355
SKCM	IWS1	cg18530950	-0.0973411902892442	47%	-2.11811931534004	0.0346903298259072	0.00947530732692684	0.110101567397357
SKCM	IWS1	cg19311602	0.00591272367898575	47%	0.128050593727893	0.898163822159888	3.49603013040388e-05	0.946117945337319
SKCM	IWS1	cg19409088	-0.103005428427285	47%	-2.2426567198374	0.0253853280543132	0.0106101182854886	0.0871893045913286
SKCM	IWS1	cg21581038	0.0729074620194665	47%	1.58312689132431	0.114066609473737	0.00531549801811995	0.261456140956429
SKCM	IWS1	cg21679674	-0.0248908670084154	47%	-0.539213829381808	0.589995193019655	0.00061955526043062	0.753037391588868
SKCM	IWS1	cg22409775	-0.0673973001826171	47%	-1.46290975869912	0.144161880478542	0.0045423960719058	0.30736465442199
SKCM	IWS1	cg23570261	0.0291555758908277	47%	0.63167357532721	0.527907959353754	0.000850047605525813	0.706413784745527
SKCM	IWS1	cg23623107	0.0789788250602151	47%	1.71575716651145	0.0868669138660132	0.00623765480789207	0.215374615400663
SKCM	JADE1	cg09863040	-0.161597212094993	47%	-3.54622386321362	0.000430055822666532	0.026113658956874	0.0033003613168117
SKCM	JADE1	cg12832492	-0.0862153052526936	47%	-1.87409193956187	0.0615392158925267	0.00743307885981514	0.167730473222836
SKCM	JADE1	cg14617908	0.140690990444044	47%	3.07747136102584	0.00220987261288579	0.019793954792126	0.012870766642722
SKCM	JADE1	cg15389440	0.0192250340699484	47%	0.416422140646869	0.677291632527993	0.000369601934990676	0.81354503069831
SKCM	JADE1	cg15836763	0.0446714425184955	47%	0.968389689054302	0.333348900098973	0.00199553777668325	0.53294881733097
SKCM	JADE1	cg20039387	0.05063472988478	47%	1.09797479952309	0.272778859504096	0.00256387587050463	0.469146967649161
SKCM	JADE1	cg22922695	-0.0308855733372405	47%	-0.669189824661088	0.503703670509375	0.00095391864037006	0.687039233562991
SKCM	JADE1	cg26766900	-0.179802096383724	47%	-3.95837799044351	8.71574851762278e-05	0.0323287938639821	0.000854807035022625
SKCM	JADE2	cg04590931	-0.226358959526524	47%	-5.03275230062887	6.90252663355381e-07	0.0512383785579305	1.23074755198415e-05
SKCM	JADE2	cg04842522	-0.00836340724917875	47%	-0.181127692959604	0.856345595407753	6.99465808156157e-05	0.923577230998472
SKCM	JADE2	cg17378563	-0.168210406194406	47%	-3.69548976891273	0.000245361500185698	0.0282947407520872	0.00205974452848238
SKCM	JADE2	cg18145011	-0.118975025232263	47%	-2.5950033351113	0.00975531704950265	0.0141550566290177	0.0417821747524934
SKCM	JADE2	cg21194015	-0.0332567158306364	47%	-0.720619617231612	0.471502595417612	0.0011060091478397	0.659733477972959
SKCM	JADE2	cg25669900	-0.115747062043027	47%	-2.52362758551007	0.0119443586833355	0.0133973823715924	0.0489643978695948
SKCM	JADE2	cg26133206	-0.190103573549599	47%	-4.19343176999459	3.28581740981971e-05	0.0361393686763277	0.000369000321767012
SKCM	JADE3	cg10860619	-0.102100199263056	47%	-2.22273932408115	0.0267094246486722	0.0104244506895557	0.0905137210802754
SKCM	JADE3	cg17843048	-0.108356405859398	47%	-2.36050893051621	0.0186582399283402	0.0117411106907665	0.0690109263418287
SKCM	JADE3	cg19194595	-0.12071837823362	47%	-2.63358638821792	0.00872794906705583	0.0145729268433553	0.0383887640483147
SKCM	JARID2	cg01769037	-0.0228437678317209	47%	-0.49484308322906	0.620942620297459	0.000521837728749566	0.775333614808606
SKCM	JARID2	cg03223185	0.226482326108816	47%	5.03564342962752	6.8044206618383e-07	0.0512942440396602	1.2154835843101e-05
SKCM	JARID2	cg05197191	-0.366412601265575	47%	-8.52830311202436	2.06050361039597e-16	0.134258194366206	1.92200021423434e-14
SKCM	JARID2	cg06047828	-0.0688382742283598	47%	-1.49433455283816	0.135760680304555	0.00473870799873886	0.294837284375438
SKCM	JARID2	cg14862454	0.045748805976638	47%	0.991793231925978	0.321809806310939	0.00209295324828807	0.521275587337622
SKCM	JARID2	cg15109221	0.119802483712994	47%	2.61331319087256	0.0092550046901373	0.0143526351038023	0.0401642215142553
SKCM	JARID2	cg21397480	0.124184190145797	47%	2.71036389757042	0.00696730770807819	0.0154217130821675	0.0322819973699961
SKCM	JARID2	cg21901688	-0.358523123829326	47%	-8.29949354943999	1.13339849341774e-15	0.128538830320338	9.58386982575433e-14
SKCM	JARID2	cg25338254	-0.271372046378613	47%	-6.10607715118752	2.14387181869083e-09	0.0736427875557162	6.66588186503734e-08
SKCM	JMJD6	cg02318866	-0.048570512965175	47%	-1.05310575877275	0.292834774417238	0.00235909472970023	0.490521261810745
SKCM	JMJD6	cg04510639	-0.187416261205865	47%	-4.13197924680032	4.25969902953889e-05	0.0351248549643851	0.000462174374203555
SKCM	JMJD6	cg07312083	-0.192950887205719	47%	-4.25864988212249	2.48586307073443e-05	0.037230044873474	0.000289455518222893
SKCM	JMJD6	cg08857478	0.0854688942510925	47%	1.85774702533603	0.0638314427580293	0.00730493188450444	0.172228886581511

SKCM	JMJD6	cg10712116	0.176128961879839	473	3.87489649575862	0.00012185374925664	0.0310214112128699	0.00114155714952686
SKCM	JMJD6	cg12504415	-0.228810415612277	473	-5.09025092723801	5.18572267328782e-07	0.0523542062926628	9.5415825365599e-06
SKCM	JMJD6	cg15457598	0.209279185934734	473	4.63487028659984	4.63553371207744e-06	0.0437977776655051	6.66204894877798e-05
SKCM	JMJD6	cg21102709	-0.0658544947436836	473	-1.42927441196131	0.15359109816472	0.00433681447794585	0.32086301238338
SKCM	JMJD6	cg21807925	-0.328869430520508	473	-7.54163069395202	2.42465208214703e-13	0.108155102330883	1.50657655014813e-11
SKCM	JMJD6	cg23630158	-0.352018578662253	473	-8.14478078044219	3.46830595615654e-15	0.123917079723393	2.75521326579378e-13
SKCM	JMJD6	cg25004679	-0.113321446686331	473	-2.47004657236755	0.0138643477845785	0.0128417502790829	0.0549698318920289
SKCM	JMJD6	cg25908504	-0.250161902686063	473	-5.59552334126239	3.74549210682189e-08	0.0625809775555113	9.03493993668533e-07
SKCM	JMJD6	cg26612088	-0.073232490125799	473	-1.59022258494308	0.11245845354311	0.00536299761002524	0.259071720658968
SKCM	JMJD8	cg00873473	-0.0607129844724248	473	-1.31725513852046	0.188396298628034	0.0036860664835489	0.367962430403664
SKCM	JMJD8	cg02851105	-0.0638979212906852	473	-1.38663311110977	0.166212405845986	0.0040829443452706	0.338543433533608
SKCM	JMJD8	cg03899598	-0.0503487111497426	473	-1.0917568982425	0.275500489812117	0.00253499271444022	0.471920843431549
SKCM	JMJD8	cg05787952	-0.117120902121364	473	-2.55399547684097	0.0109645475631441	0.013717305713722	0.0458096677297118
SKCM	JMJD8	cg06191810	-0.0574133183875217	473	-1.24542056518847	0.213599049345499	0.00329628912826693	0.400129584725129
SKCM	JMJD8	cg06646636	-0.125576989105805	473	-2.74124653347276	0.00635445286388073	0.0157695801928794	0.0300126468394595
SKCM	JMJD8	cg08398290	-0.0826108793546007	473	-1.79519107366099	0.0732669620229302	0.0068245573877404	0.190647899757104
SKCM	JMJD8	cg26750188	0.00310572181119773	473	0.067259102517592	0.946404097466126	9.64550796854931e-06	0.971428425363237
SKCM	JMJD8	cg27579097	-0.126023701716326	473	-2.75115500426822	0.00616839493090859	0.0158819733942854	0.0293225857167799
SKCM	KAT2B	cg00770008	0.0641788197126579	473	1.39275397502228	0.164354064680692	0.00411892089970984	0.335919292411584
SKCM	KAT2B	cg04371528	-0.0366456622150718	473	-0.794146816876656	0.427511600732763	0.00134290455918114	0.621827845887305
SKCM	KAT2B	cg05072819	-0.0524822544633018	473	-1.13814563399087	0.255640740110909	0.00275438703355076	0.449918911727706
SKCM	KAT2B	cg12062464	-0.0608704878867136	473	-1.32068509291777	0.187250456446174	0.00370521629556655	0.366519776790802
SKCM	KAT2B	cg14937543	-0.0351459356784841	473	-0.76160524329731	0.446678437327383	0.00123523679471614	0.638437979595915
SKCM	KAT2B	cg18053505	-0.0552996960065811	473	-1.19942813312904	0.230967110679442	0.00305805637842028	0.421411902601977
SKCM	KAT5	cg00582417	-0.314617470649454	473	-7.17799318845208	2.78657388762381e-12	0.0989841528378597	1.47368272613057e-10
SKCM	KAT5	cg02561205	-0.169119344300177	473	-3.71604496399128	0.000226772358567849	0.0286013526165218	0.00192993423721992
SKCM	KAT5	cg05785768	-0.317448318805567	473	-7.24978101546833	1.73335604918644e-12	0.100773435112481	9.49610566833874e-11
SKCM	KAT5	cg07564927	-0.343602035449171	473	-7.92361216059542	1.69283161278727e-14	0.118062358764813	1.23538595201851e-12
SKCM	KAT5	cg14726348	-0.31912846935316	473	-7.29248989827501	1.3046073962638e-12	0.101842979951691	7.27531381970938e-11
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SKCM	KAT5	cg20108992	0.00326377815943132	473	0.0706820873423697	0.943680906049932	1.06522478739809e-05	0.969959392561437
SKCM	KAT5	cg20423942	-0.0724762552830866	473	-1.57371399266969	0.116227897757812	0.00525280757985914	0.264861241964123
SKCM	KAT5	cg22048492	0.0568685979721361	473	1.23356586471322	0.217982567914788	0.00323403743531644	0.405517606868145
SKCM	KAT6A	cg10163397	-0.271850414085403	471	-6.11769891112119	2.00401271643511e-09	0.073902647638405	6.26356630222389e-08
SKCM	KAT6A	cg12468056	0.176464492672868	470	3.87837395752258	0.000120212540849114	0.0311397171742928	0.00112821985798239
SKCM	KAT6A	cg15251374	-0.367519833949204	462	-8.47557995189851	3.19701609561371e-16	0.135070828346051	2.89532794111959e-14
SKCM	KAT6A	cg20966972	0.344025431950013	471	7.934686564724982	1.56484690933278e-14	0.118353497828393	1.1506209873784e-12
SKCM	KAT6B	cg04396765	-0.217628482976615	471	-4.82878913803552	1.86245431303909e-06	0.0473621566027027	2.96382357265086e-05
SKCM	KAT6B	cg06972998	-0.0106338458263181	467	-0.22931971428641	0.818721261013296	0.000113078677057903	0.902466904417546
SKCM	KAT6B	cg09631472	-0.104441298941668	471	-2.27426117813345	0.0234011921009769	0.0109079849246229	0.0819774097493312
SKCM	KAT6B	cg10359932	0.0076182574216948	471	0.164988877529699	0.869023824573414	5.80378461432078e-05	0.930568065752648
SKCM	KAT6B	cg10739686	-0.0514753718328345	471	-1.11625150000347	0.26488606301235	0.00264971390532857	0.460483807525504
SKCM	KAT6B	cg11128436	0.0127586613572366	471	0.276329265517449	0.782416907023355	0.000162783439628644	0.879807992740259
SKCM	KAT6B	cg11348552	0.111556412088908	471	2.4310857432365	0.0154273451063134	0.0124448330781503	0.0596824747725171
SKCM	KAT6B	cg15874302	-0.142584794035239	471	-3.11975021505822	0.00192157606047581	0.0203304234900716	0.0115122901847251
SKCM	KAT6B	cg15912797	0.160211766783414	471	3.51501599541284	0.000482417720624867	0.0256678102158629	0.00363443774533129
SKCM	KAT6B	cg17147776	-0.0785895154986892	471	-1.70724700966705	0.0884379946327208	0.00617631194631871	0.218210071821431
SKCM	KAT6B	cg18462764	-0.147531670050476	471	-3.23035471268892	0.00132324364090556	0.0217655936678826	0.00846758376249132
SKCM	KAT6B	cg18491775	0.227856938623402	471	5.06787516468395	5.79803565743245e-07	0.0519187844788289	1.05410700148236e-05
SKCM	KAT6B	cg24671245	-0.0705570002490591	471	-1.53182887422917	0.126238893278035	0.00497829028414572	0.280349085460219
SKCM	KAT6B	cg26605858	0.0272782444968716	471	0.5909686899244545	0.554826080913696	0.000744102622831103	0.726451908417068
SKCM	KDM1A	cg00062312	0.105737798441423	473	2.30281033551931	0.0217263683059649	0.011180482019239	0.0775668240474635
SKCM	KDM1A	cg00541565	-0.026528805341423	473	-0.57472090107403	0.565755642306234	0.000703777512843112	0.734997458937947
SKCM	KDM1A	cg04886391	-0.101858755421997	473	-2.21742787645111	0.0270724767508821	0.0103752060561183	0.0914373401796607
SKCM	KDM1A	cg06958034	0.0921055812765481	473	2.00319110293262	0.0457316747476269	0.00848343810229081	0.135184477916058
SKCM	KDM1A	cg07118078	0.0511592729240598	473	1.1093788023763	0.267835314876472	0.00261727120611843	0.463557454959069
SKCM	KDM1A	cg07785945	0.056919815594196	473	1.23468046188732	0.217567680695001	0.00323986540727728	0.405100723855569

SKCM	KDM1A	cg10499166	0.0797843986060449	472	1.73152027884346	0.0840179995003207	0.00636555026092826	0.210258516796241
SKCM	KDM1A	cg12578844	-0.086645434526938	473	-1.8835123561046	0.060249431509088	0.00750743132436189	0.165162410712458
SKCM	KDM1A	cg22683154	-0.0585399757119737	473	-1.26994345857407	0.204734478153883	0.00342692875635846	0.388851046570549
SKCM	KDM1A	cg26662347	0.12045430679361	473	2.62774050597913	0.0088770968944733	0.0145092400251291	0.0389347057455407
SKCM	KDM1B	cg11007366	-0.0250364573759514	471	-0.542369743380381	0.587821430680064	0.00062682419793783	0.751577483043931
SKCM	KDM1B	cg15124342	-0.332806747302835	471	-7.64309274864076	1.20707116719367e-13	0.110760331050293	7.93098770106961e-12
SKCM	KDM1B	cg20677365	-0.184297247790553	406	-3.77820521102022	0.000181609105767016	0.0339654755431725	0.00159928670749822
SKCM	KDM1B	cg22406543	0.213531496520668	471	4.73349771141267	2.92671045085839e-06	0.0455957000063561	4.41840700201975e-05
SKCM	KDM1B	cg23073439	-0.308249094166753	471	-7.01726925350609	7.96092586577314e-12	0.0950175040546238	3.85864340686576e-10
SKCM	KDM1B	cg23860886	-0.086173273902198	471	-1.87317145249378	0.061666463983387	0.00742583313502323	0.167966139110102
SKCM	KDM1B	cg24342628	0.16399535411758	471	3.60029425432606	0.000351726664465626	0.0268944761721505	0.00279092453441849
SKCM	KDM2A	cg05038268	-0.326945296750598	473	-7.49220797097184	3.39703457721619e-13	0.106893227067336	2.05496817962641e-11
SKCM	KDM2A	cg05295919	-0.399130283841292	473	-9.42718143994293	1.94085054211494e-19	0.15930498347923	2.451079984956e-17
SKCM	KDM2A	cg06320126	-0.136239580685094	473	-2.9782291713698	0.00304940618640891	0.0185612233452503	0.0166766611504741
SKCM	KDM2A	cg07283932	-0.461345634649989	473	-11.2611118413525	3.35392868743421e-26	0.212839794610601	7.43349083505006e-24
SKCM	KDM2A	cg08836144	-0.276962076953116	406	-5.7791477224478	1.50728001163573e-08	0.0767079920701838	3.96944283091367e-07
SKCM	KDM2A	cg09993857	-0.109249228468123	473	-2.38019275385104	0.0177022382292277	0.0119353939208801	0.0662948437176175
SKCM	KDM2A	cg11637544	0.187583204769351	473	4.13579403607693	4.19199948237619e-05	0.0351874587115403	0.000455718848144178
SKCM	KDM2A	cg16004548	-0.283526038552743	473	-6.40290154253945	3.7063633830796e-10	0.0803870145374116	1.32384220855507e-08
SKCM	KDM2A	cg18132081	0.189533176509165	472	4.17592093563001	3.54053436819095e-05	0.0359228249976544	0.000394206856503574
SKCM	KDM2A	cg21293464	-0.33598827190518	473	-7.72540651503019	6.81968974207182e-14	0.112888118857829	4.61331255473682e-12
SKCM	KDM2A	cg21711868	-0.422443732646265	473	-10.0934722685483	8.25658922670747e-22	0.178458707252109	1.27443075853667e-19
SKCM	KDM2A	cg25597833	-0.338413449730893	473	-7.78835173079444	4.3935183273269e-14	0.114523662958763	3.04358569997915e-12
SKCM	KDM2B	cg03486832	-0.104597389296608	473	-2.27769769269442	0.0231938113994762	0.0109406138476661	0.0814636942530521
SKCM	KDM2B	cg05067991	-0.119637871130984	473	-2.60967023364055	0.00935267736515438	0.014313220208754	0.0404437011086615
SKCM	KDM2B	cg07020001	-0.0521918036875852	473	-1.13182958018322	0.258284451495999	0.00272398437216343	0.452901625598552
SKCM	KDM2B	cg07529210	-0.0882246236539088	473	-1.91810789013014	0.0557042124836169	0.00778358421887385	0.155950596524813
SKCM	KDM2B	cg07793808	-0.044270470069745	473	-0.959680242213387	0.337710643957341	0.00195987452019619	0.537136060109533
SKCM	KDM2B	cg09151742	-0.0158026143686144	473	-0.342270600534807	0.732300586516043	0.000249722620883138	0.848744682400874
SKCM	KDM2B	cg12251659	-0.0735922509355661	473	-1.5980771228501	0.110699283143538	0.00541581939776333	0.256111227743297
SKCM	KDM2B	cg12888660	-0.237416736831548	473	-5.29292969422325	1.85229837543112e-07	0.0563667069277404	3.78805730331988e-06
SKCM	KDM2B	cg15234492	-0.0744582594127251	473	-1.61698697587607	0.106553458030345	0.00554403239477266	0.249172444585104
SKCM	KDM2B	cg15316703	-0.241928285195709	473	-5.39970039008242	1.06264814503761e-07	0.0585292951777365	2.29696165032108e-06
SKCM	KDM2B	cg16837338	-0.0475444550191018	468	-1.02529839018468	0.305756631374305	0.00226047520306339	0.504283229756035
SKCM	KDM2B	cg17452615	-0.0594583598943191	473	-1.28993666378949	0.197708325342374	0.00353529656132238	0.380122620277905
SKCM	KDM2B	cg20055546	-0.226141289921296	473	-5.02765177740278	7.07894863680183e-07	0.0511398830072677	1.25730532020859e-05
SKCM	KDM2B	cg21249371	-0.0731231467823389	473	-1.58783545197223	0.112997455605132	0.00534699459535148	0.259997753958759
SKCM	KDM2B	cg21781916	-0.0818306669192876	473	-1.77812167626273	0.0760316680825551	0.0066962580484554	0.195815652082841
SKCM	KDM2B	cg26218726	-0.191065397601261	473	-4.21545010631546	2.99165527579786e-05	0.036505986160528	0.000340153216202015
SKCM	KDM2B	cg26509318	-0.128736111431139	473	-2.81135533861575	0.00513997460325824	0.0165729863864105	0.0253383026615256
SKCM	KDM3A	cg01744130	-0.253093505641431	473	-5.66555637416004	2.56056504291201e-08	0.064056322597869	6.4194842716177e-07
SKCM	KDM3A	cg02152982	-0.082810869433288	473	-1.79956696731882	0.0725716482326105	0.00685764009629706	0.189260435890302
SKCM	KDM3A	cg02972551	0.0136752136738245	473	0.296183700620801	0.767220899170794	0.000187011469024756	0.871036785705215
SKCM	KDM3A	cg03037033	-0.188670235387139	473	-4.16064262663016	3.77545236839267e-05	0.0355964577210384	0.000416134232851713
SKCM	KDM3A	cg04793821	-0.170184187557315	473	-3.74013829839503	0.000206672612367591	0.0289626576945434	0.00178365755563838
SKCM	KDM3A	cg07052513	-0.117894618432749	473	-2.57110453273831	0.0104446690326179	0.0138991410554036	0.0440994617488996
SKCM	KDM3A	cg07211384	-0.16427156215997	473	-3.60652604958625	0.000343614025431261	0.0269851461344767	0.00273856259547173
SKCM	KDM3A	cg12888358	-0.084786858187661	473	-1.84281454972693	0.0659869967034241	0.00718881132133453	0.17649014720299
SKCM	KDM3A	cg18611949	-0.101080145110377	473	-2.20030216384803	0.0282723170673241	0.010217195735535	0.0944928954259929
SKCM	KDM3A	cg19139691	-0.23447947686384	473	-5.22361188784417	2.64391773351446e-07	0.0549806250703402	5.20447712958056e-06
SKCM	KDM3A	cg20191795	-0.0565321852395246	473	-1.22624509798499	0.220721765712965	0.00319588796795593	0.40895584447268
SKCM	KDM3A	cg20918903	-0.158776487471963	473	-3.48270807402106	0.000542868678509358	0.0252099729739344	0.00402093934837256
SKCM	KDM3A	cg22404242	0.124946069459635	473	2.72725507626644	0.00662581080294557	0.015611520273412	0.0310156041641704
SKCM	KDM3A	cg24749656	-0.0979992015405526	473	-2.13257584340815	0.033478277248965	0.00960384350258585	0.107115616529818
SKCM	KDM3B	cg00435490	-0.0517333005901563	473	-1.12185969749703	0.262496133777142	0.00267633438995147	0.45792313385341
SKCM	KDM3B	cg03315484	-0.208469606850246	473	-4.61612440725429	5.05431470632544e-06	0.043459576980296	7.18827873757771e-05
SKCM	KDM3B	cg05191700	-0.256518065528198	473	-5.74757700846567	1.63213852867039e-08	0.0658015179423288	4.27078993270716e-07

SKCM	KDM3B	cg05708550	-0.0711955089151708	473	-1.54576153195069	0.12283664129632	0.00506880048969016	0.27511022521969
SKCM	KDM3B	cg05722427	0.0115170308516945	473	0.249434060353461	0.803134246707895	0.000132641999638883	0.892710544498971
SKCM	KDM3B	cg15001364	-0.119992715949332	473	-2.61752339602167	0.00914326161118335	0.014398251880897	0.0398080867349674
SKCM	KDM3B	cg18682923	-0.0100081098988207	473	-0.216750564938837	0.828496990128434	0.000100162263746872	0.907843835626527
SKCM	KDM3B	cg19076659	-0.141220129436973	473	-3.08928081082413	0.00212558121937383	0.0199431249581953	0.0124741600316814
SKCM	KDM3B	cg24137987	-0.0885097702141614	473	-1.92435618449427	0.0549146472992118	0.00783397942336365	0.154475865919179
SKCM	KDM4A	cg00154982	-0.0933401388378594	473	-2.03027572977609	0.0428923174398921	0.00871238151827086	0.1288475477051
SKCM	KDM4A	cg00979347	0.231340684882536	473	5.1497052977939	3.8472969959249e-07	0.0535185124819207	7.27507589939188e-06
SKCM	KDM4A	cg03587511	0.143896845399541	473	3.14906202459155	0.00174249243440722	0.0207063021159395	0.0106276328061368
SKCM	KDM4A	cg08552254	-0.209606324590899	473	-4.64244803765484	4.47589118484376e-06	0.0439348113085053	6.45288137201141e-05
SKCM	KDM4A	cg10958452	-0.21809042451071	472	-4.83438789676766	1.81437030804317e-06	0.0475634332632615	2.89770321790003e-05
SKCM	KDM4A	cg10968649	0.232304744962276	473	5.1723870230606	3.43055456168513e-07	0.0539654945319879	6.56361440166584e-06
SKCM	KDM4A	cg12293275	0.115862769166169	473	2.5261846516895	0.0118589509366925	0.0134241812788529	0.048716756165553
SKCM	KDM4A	cg17737314	-0.17082173022127	472	-3.75056502872587	0.000198554347097943	0.0291800635157883	0.00172604054957396
SKCM	KDM4A	cg19743044	-0.057204156339102	473	-1.24086845930057	0.215274676185932	0.00327231550246842	0.402316297568314
SKCM	KDM4A	cg20873046	-0.0331067174172919	473	-0.71736581811126	0.473505533064155	0.00109605473814842	0.66154034408234
SKCM	KDM4A	cg21451504	-0.315141515667525	473	-7.19126638926716	2.55309401743442e-12	0.099314174897225	1.36037942460475e-10
SKCM	KDM4A	cg22094309	-0.0531332848912256	473	-1.15230379736527	0.249783264539677	0.00282314596333215	0.443420539172461
SKCM	KDM4A	cg24324755	0.0793982236434573	473	1.72492594177533	0.0851996184369895	0.00630407791773647	0.212388858803703
SKCM	KDM4A	cg24505556	-0.140666943378556	473	-3.07693473689976	0.0022137748579775	0.019787188959466	0.012891563837226
SKCM	KDM4A	cg25841161	0.195907301924182	473	4.3264852442633	1.85263089079137e-05	0.0383796709472126	0.000224386684599445
SKCM	KDM4B	cg01098771	-0.12576668911182	473	-2.74545403581069	0.00627483547467533	0.0158172600901492	0.0297159889764956
SKCM	KDM4B	cg12072803	-0.00442847777930392	473	-0.0959058612740023	0.923636304575607	1.96114154417886e-05	0.959803374973999
SKCM	KDM4B	cg18115693	-0.0320604146937483	473	-0.69467052308323	0.487605788458761	0.00102787019033511	0.673864021378232
SKCM	KDM4C	cg00121158	0.216124645004228	473	4.79378071835873	2.20079700534699e-06	0.0467098621782036	3.43516858414855e-05
SKCM	KDM4C	cg00667760	0.173622284072673	473	3.81802189270217	0.000152581649659404	0.0301446975266119	0.00138199288084803
SKCM	KDM4C	cg05545111	0.205250771073754	473	4.54168962987627	7.10485701027226e-06	0.0421278790263707	9.66623375755719e-05
SKCM	KDM4C	cg14196303	-0.0515923408809162	473	-1.11879475401264	0.263800399509105	0.00266176963757266	0.459261234853112
SKCM	KDM4C	cg14473811	0.27263355122665	473	6.136735503523	1.79395919641301e-09	0.0743290532544542	5.65933745846529e-08
SKCM	KDM4C	cg14497348	0.114019197642736	473	2.48545502343413	0.0132859932782753	0.0130003774310932	0.0532066174736055
SKCM	KDM4E	cg15555590	0.105665199349354	471	2.30121137769209	0.0218173261249796	0.0111651343535387	0.0778022951440138
SKCM	KDM4E	cg19409026	0.057552431375982	471	1.24844824687105	0.212489802504249	0.00331228235728711	0.398736804303629
SKCM	KDM5B	cg00528052	-0.0661627536542961	473	-1.43599406252576	0.151670668539235	0.00437750997111907	0.318102771172792
SKCM	KDM5B	cg00571448	0.0627460047064855	473	1.36153593583042	0.173998088445409	0.00393706110662631	0.349136117939699
SKCM	KDM5B	cg02624558	-0.102998482303758	473	-2.24250386567988	0.0253952686819587	0.0106086873568776	0.0872152362636541
SKCM	KDM5B	cg04504182	-0.0576996488814873	473	-1.25165239628022	0.211320455859255	0.00332924948104692	0.397299616779808
SKCM	KDM5B	cg08915090	0.138861419851121	473	3.03665923303687	0.0025253947664604	0.0192824939230693	0.0143590528038313
SKCM	KDM5B	cg09889216	-0.124221611721277	473	-2.71119343537552	0.00695017315623063	0.0154310088186316	0.0322334833873855
SKCM	KDM5B	cg11171004	0.0591640636124748	473	1.28352948421299	0.199940442855885	0.00350038642314097	0.382874977965966
SKCM	KDM5B	cg11221497	-0.0889387663554239	473	-1.93375749193251	0.0537443061045169	0.00791010416082469	0.152107707246873
SKCM	KDM5B	cg13134514	-0.014293759283964	473	-0.309583107763138	0.757015501408179	0.000204311554467906	0.864547754140578
SKCM	KDM5B	cg13253785	-0.0860088113742515	473	-1.86956981801197	0.0621664556250397	0.00739751563401157	0.168978303807143
SKCM	KDM5B	cg13993945	-0.075865108897813	473	-1.64771430263709	0.100081059983586	0.00575551474807703	0.238386588498563
SKCM	KDM5B	cg14560895	-0.219618160886479	473	-4.87516314116992	1.49066152852315e-06	0.0482321365911593	2.43214184039283e-05
SKCM	KDM5B	cg21105875	0.124113933306078	470	2.70012906103554	0.00718349399616551	0.0154042684407056	0.0330787695002782
SKCM	KDM5B	cg24354901	0.022819704973668	473	0.494321560419156	0.621310550751942	0.000520738935085246	0.775606293289203
SKCM	KDM5B	cg27531483	-0.31396950133154	473	-7.16159125835448	3.1042600994114e-12	0.098576847766376	1.62731004160115e-10
SKCM	KDM5C	cg01859586	0.0868603994152825	472	1.88822077713722	0.0596132584256115	0.0075447289865824	0.163897334857485
SKCM	KDM5C	cg04927657	0.108682934462761	472	2.36770714701865	0.0183035063463734	0.0118119802434368	0.0680024343430809
SKCM	KDM5C	cg04927982	-0.304114523194218	472	-6.91348189566863	1.55278375410498e-11	0.0924856432176463	7.08488324732215e-10
SKCM	KDM5C	cg09554224	0.120571180381877	472	2.63032772546484	0.00881080887623686	0.0145374095386791	0.0386810420834069
SKCM	KDM5C	cg12234996	-0.335509753544417	472	-7.71300715001797	7.43436564482994e-14	0.112566794723435	5.0116901297565e-12
SKCM	KDM5C	cg16417926	-0.0128227075719934	472	-0.277716616910209	0.781352282201002	0.000164421829476857	0.879202144201932
SKCM	KDM5C	cg16824069	-0.248715551016836	472	-5.56103210103277	4.51063376707957e-08	0.0618594253176083	1.06494762754534e-06
SKCM	KDM5C	cg19903753	-0.195252937196965	472	-4.31146025703983	1.97795547706141e-05	0.038123709484042	0.000237056028936243
SKCM	KDM5C	cg24985300	-0.157206010795317	472	-3.44738282407139	0.000617028571966628	0.0247137298301773	0.00448189736018411
SKCM	KDM5C	cg27526317	-0.219187928498174	472	-4.86513019819365	1.56446792245254e-06	0.0480433479993205	2.54030927904974e-05

SKCM	KDM6A	cg00751785	-0.393091715460824	470	-9.24837497469856	8.11378397437116e-19	0.154521096763933	9.60736241251492e-17
SKCM	KDM6A	cg03267667	-0.00515100981240648	471	-0.111553849155494	0.911224891313534	2.65329020875078e-05	0.95279340315652
SKCM	KDM6A	cg03478540	0.0172158719781895	471	0.372889208381121	0.709399367409187	0.000296386247969409	0.834430511250383
SKCM	KDM6A	cg06877198	0.0122420298184337	471	0.265138258908106	0.791019447580235	0.00014986729407542	0.885281971490787
SKCM	KDM6A	cg07167981	-0.306583680161104	471	-6.97541113689089	1.04324190098541e-11	0.0939935529411261	4.93361461673307e-10
SKCM	KDM6A	cg11895950	-0.162479542042435	471	-3.56611000767887	0.000399519401299659	0.0263996015823192	0.00310150806353714
SKCM	KDM6A	cg14384228	-0.131336428026868	471	-2.86912805130813	0.00430183379239782	0.0172492573268566	0.0220104388972868
SKCM	KDM6A	cg15923127	0.0847389234435863	471	1.84176516636592	0.066140715259156	0.00718068514637797	0.176785803225246
SKCM	KDM6A	cg17824914	-0.196145702911157	471	-4.33196070501581	1.80887525924113e-05	0.038473136770512	0.000219771422641582
SKCM	KDM6A	cg20211377	-0.041272136598292	471	-0.894568445964126	0.371476673150795	0.00170338925938807	0.570093183812734
SKCM	KDM6A	cg22133177	0.167631133715768	471	3.68239486719181	0.000257941832859363	0.0281001969908337	0.00214842900915003
SKCM	KDM6A	cg27306636	-0.314011830833707	471	-7.16266239807614	3.08246809357944e-12	0.0986034299035369	1.61806695595087e-10
SKCM	KDM6B	cg01046511	-0.235525880954527	473	-5.24828899292808	2.33037599977109e-07	0.0554724405994062	4.63774035625971e-06
SKCM	KDM6B	cg02308232	-0.149195718071888	473	-3.26761549901684	0.00116417380804807	0.0222593622909864	0.0076188893096064
SKCM	KDM6B	cg24893073	-0.181418604060599	473	-3.99517129319312	7.5048121884596e-05	0.0329127098992965	0.000752357421893075
SKCM	KDM8	cg00636124	-0.0328666927037918	471	-0.712159249222672	0.476720278114544	0.00108021948928548	0.664444635235024
SKCM	KDM8	cg01755539	-0.0749631677893774	471	-1.62801367040716	0.104193530381651	0.00561947652501835	0.245298132868605
SKCM	KDM8	cg06329197	0.0181140686218819	471	0.39235003162017	0.694977840945236	0.000328119482038248	0.825099890078356
SKCM	KDM8	cg08572679	-0.0667081858485835	471	-1.44788480081208	0.148317408621464	0.00444998205920915	0.313325308521336
SKCM	KDM8	cg09140090	-0.0285698745596881	471	-0.618973521392278	0.536234330659037	0.000816237732356315	0.712408865347515
SKCM	KDM8	cg10214171	0.0460101987855691	471	0.997471981855591	0.319049816205465	0.00211693839228758	0.518458450523007
SKCM	KDM8	cg10221365	-0.00353240272992109	471	-0.0764996314085595	0.93905422942394	1.2477869046354e-05	0.967423649575836
SKCM	KDM8	cg16752029	-0.0453991918547343	471	-0.984198195879594	0.325525518256367	0.00206108662106297	0.524924489920523
SKCM	KDM8	cg24206694	-0.0271244614138553	471	-0.587634610349846	0.557060386956606	0.000735736406991725	0.72837211528148
SKCM	KDM8	cg24705286	0.0613969040510183	470	1.33072862628428	0.183926302001236	0.00376957982704995	0.362253822134283
SKCM	KIAA202f	cg03495688	0.249486843963943	473	5.5794202186328	4.08554575054911e-08	0.0622436853110888	9.76165203811128e-07
SKCM	KIAA202f	cg25608569	-0.284330489794558	473	-6.42266396894454	3.28983096805229e-10	0.080843827426813	1.18595509883531e-08
SKCM	KMT2B	cg09284703	-0.195571532261639	471	-4.31877482688157	1.91596481312558e-05	0.0382482242311654	0.000230764153386424
SKCM	KMT2B	cg13830730	0.0166857697240052	471	0.361404147716399	0.717960098666262	0.00027841491128253	0.839813161017137
SKCM	KMT2B	cg15496871	0.0456001719788122	471	0.988564254474313	0.323386108412115	0.00207937568449725	0.522796677496563
SKCM	KMT2B	cg24471867	-0.00635531338960849	471	-0.137636038226682	0.890587141018959	4.03900082801369e-05	0.942104107267187
SKCM	L3MBTL1	cg01071811	-0.250020015220936	471	-5.59213797901202	3.81461422683962e-08	0.062510008011077	9.17890810896263e-07
SKCM	L3MBTL1	cg01877937	-0.108686632545245	471	-2.36778867447701	0.018299522768619	0.0118127840940251	0.0679941287797652
SKCM	L3MBTL1	cg02177317	-0.0711887390594403	471	-1.54561379948557	0.1228723357443	0.00506783656887309	0.275174323830269
SKCM	L3MBTL1	cg02472486	0.00385991651935079	471	0.0835925490471221	0.933416058070308	1.48989555363572e-05	0.964574976707557
SKCM	L3MBTL1	cg02611863	-0.352230427768382	471	-8.15037643253998	3.33057763416204e-15	0.124066274245897	2.66015355720741e-13
SKCM	L3MBTL1	cg03486259	-0.139071558756315	471	-3.04134516942177	0.00248717454559279	0.0193408984549111	0.0141769678047952
SKCM	L3MBTL1	cg04984575	-0.082661972231776	471	-1.79630899331426	0.0730888107383853	0.0068330016532469	0.190302930001404
SKCM	L3MBTL1	cg06362543	-0.0122545889765382	471	-0.265410306374983	0.790810016532337	0.000150174950983892	0.885158332510095
SKCM	L3MBTL1	cg06446163	-0.0303874157003754	471	-0.658386312767646	0.510612987211051	0.000923395032947419	0.692852047582326
SKCM	L3MBTL1	cg06908806	0.0223424475456445	471	0.48397796825838	0.628627409944784	0.000499184962329877	0.780667359936532
SKCM	L3MBTL1	cg07678583	-0.208454285927734	471	-4.61576974565308	5.06257785556786e-06	0.0434531893216415	7.19865073471113e-05
SKCM	L3MBTL1	cg08369943	0.000951364674364827	471	0.0206031507048228	0.983570989376868	9.05094743629293e-07	0.991421409567287
SKCM	L3MBTL1	cg08633313	-0.110442456160396	471	-2.40650864019728	0.0164915391067953	0.0121975361227409	0.0627540008449441
SKCM	L3MBTL1	cg09541000	0.0450783757784642	471	0.977229089040461	0.328959536531329	0.00203205996282443	0.528664825023617
SKCM	L3MBTL1	cg10360552	-0.230829305523609	471	-5.13768043654094	4.08770305037836e-07	0.0532821682885114	7.6941391507654e-06
SKCM	L3MBTL1	cg12699433	-0.0296284493931291	471	-0.641927601694054	0.521233812231563	0.000877845013441209	0.701332632503747
SKCM	L3MBTL1	cg14306330	0.0134824301423324	471	0.292007546847729	0.770409975348829	0.000181775922542872	0.872786147582783
SKCM	L3MBTL1	cg15123011	-0.0677225852060256	471	-1.4700027709072	0.142231511100432	0.00458634854698739	0.304587721929887
SKCM	L3MBTL1	cg15302378	-0.27309958368389	471	-6.14807012742696	1.67928090782986e-09	0.0745833826083138	5.32130260463203e-08
SKCM	L3MBTL1	cg15330298	-0.257768406614168	471	-5.7775810859929	1.38241823859619e-08	0.0664445514484069	3.66418550096599e-07
SKCM	L3MBTL1	cg15388309	-0.318603856648609	471	-7.2791462225661	1.42592263045348e-12	0.101508417471367	7.90650214636477e-11
SKCM	L3MBTL1	cg16862791	-0.286894176688978	471	-6.48574314300113	2.2442373690222e-10	0.0823082686180462	8.36150392172956e-09
SKCM	L3MBTL1	cg17091610	-0.213529139288289	471	-4.73344296068511	2.92746426331257e-06	0.0455946933251977	4.41868752231544e-05
SKCM	L3MBTL1	cg17774347	-0.114549031231084	471	-2.49715783911008	0.0128611302212656	0.01312148055598	0.0519210567946621
SKCM	L3MBTL1	cg18911945	-0.222506533627772	471	-4.94259722352908	1.07493407719923e-06	0.0495091575070469	1.82225804318232e-05
SKCM	L3MBTL1	cg20091959	-0.202555274174746	471	-4.4794754273011	9.41071538954727e-06	0.0410286390960066	0.000124126346730153

SKCM	L3MBTL	cg20252111	-0.260507033992809	471	-5.84340805877425	9.5796070967031e-09	0.0678639147597306	2.62689376756343e-07
SKCM	L3MBTL	cg20529070	-0.278430079286916	471	-6.27805146842638	7.81794022294926e-10	0.0775233090517185	2.63741908804907e-08
SKCM	L3MBTL	cg22330467	-0.070700296031957	468	-1.53003839717747	0.126685740515757	0.00499853185900635	0.281092681260741
SKCM	L3MBTL	cg22457903	-0.315923676535569	471	-7.21109083192734	2.23978045954511e-12	0.099807769395751	1.20917058341327e-10
SKCM	L3MBTL	cg22601123	-0.00818904297116659	471	-0.177351201025345	0.859309102670108	6.7060424783613e-05	0.925298180288437
SKCM	L3MBTL	cg23626798	-0.145736176513721	471	-3.19018208640874	0.00151712363459051	0.0212390331448386	0.00948815146147875
SKCM	L3MBTL	cg24343973	-0.152625451164553	471	-3.34450286056073	0.000890401021848309	0.0232945283431834	0.00609644931294379
SKCM	L3MBTL	cg02358112	-0.311467321320127	473	-7.09835791817586	4.69839150630337e-12	0.0970118922503354	2.37341992754132e-10
SKCM	L3MBTL	cg06235991	0.0755225591812571	473	1.64023169028838	0.101627481511308	0.00570365694528648	0.241044187221889
SKCM	L3MBTL	cg08053598	-0.140926132283165	473	-3.08271897967051	0.00217204470720367	0.0198601747602923	0.0126954087090688
SKCM	L3MBTL	cg09993119	0.0477475089109697	473	1.0352202593941	0.301099533846883	0.00227982460720313	0.499474196177794
SKCM	L3MBTL	cg12821546	0.0427321121686982	473	0.926270134993509	0.35478199791844	0.0018260334103982	0.553692514014226
SKCM	L3MBTL	cg13843727	-0.0590983365704806	473	-1.28209857438762	0.200441451991762	0.0034926133853978	0.383453641122517
SKCM	L3MBTL	cg14679202	0.00496940606453407	473	0.107620813251048	0.914342509053678	2.4694996634228e-05	0.954782764189074
SKCM	L3MBTL	cg15283028	-0.0284815601676925	473	-0.617058612085733	0.537495506550324	0.000811199269585887	0.713377784088715
SKCM	L3MBTL	cg19467356	0.00100598972287089	473	0.0217861347329286	0.982627820060024	1.01201532252186e-06	0.991003256316953
SKCM	L3MBTL	cg24240981	-0.0918137523263733	473	-1.9967901122657	0.04642544556897	0.00842976511624863	0.136627869886981
SKCM	L3MBTL	cg26947834	0.216527802349672	473	4.80316244842214	2.10472689103274e-06	0.0468842891903785	3.30444245733604e-05
SKCM	L3MBTL	cg27177954	-0.28294431435648	473	-6.38861986678033	4.03910067514411e-10	0.0800574850266588	1.43412961169403e-08
SKCM	L3MBTL	cg03454037	0.0503829685952577	473	1.09250162339231	0.275173540630394	0.00253844352447073	0.471682760880506
SKCM	L3MBTL	cg07826275	-0.156977085170399	473	-3.44223577109604	0.000628591893724203	0.0246418052685947	0.00455028674201215
SKCM	L3MBTL	cg08106148	-0.165256559220755	473	-3.62875662555672	0.000316082080772311	0.027309730365483	0.00255313979769507
SKCM	L3MBTL	cg08358392	-0.330445403494537	473	-7.58218907181578	1.83622427141569e-13	0.109194164690667	1.16800679452585e-11
SKCM	L3MBTL	cg09710740	-0.163225026235166	473	-3.58291873861541	0.000375305667735377	0.0266424091894707	0.00294825094575441
SKCM	L3MBTL	cg10237990	-0.165556483957935	473	-3.63552789456567	0.000308116649202734	0.0274089493805139	0.00249970034498671
SKCM	L3MBTL	cg16487825	-0.168472288245931	473	-3.70141110722337	0.000239864480476716	0.02838291190682	0.00202167035690202
SKCM	L3MBTL	cg16800851	-0.280991999936478	473	-6.34074527413069	5.38218777648964e-10	0.0789565040283019	1.86421155781049e-08
SKCM	L3MBTL	cg18411550	-0.153008353090923	473	-3.35309433208355	0.000863847070969261	0.0234115561155964	0.0059418319221028
SKCM	L3MBTL	cg18798995	-0.176578846371642	473	-3.88511222781751	0.000116995457627392	0.0311800889859398	0.00110254931928108
SKCM	L3MBTL	cg22934935	0.0811618241325973	473	1.76349143236089	0.0784687315575281	0.00658724169653064	0.200144147632339
SKCM	L3MBTL	cg24516147	-0.15707329363078	473	-3.44439880620913	0.000623708017161647	0.0246720195720214	0.00452154892247444
SKCM	LBR	cg01017344	-0.104010461948831	473	-2.26477667096246	0.0239819451243749	0.0108181761948093	0.0835378784312731
SKCM	LBR	cg05530459	0.118449824697026	473	2.58338463788615	0.0100852038178382	0.0140303609707563	0.0429101042334777
SKCM	LBR	cg12994003	-0.109249045816139	473	-2.38018872637665	0.017702429346043	0.0119353540117368	0.0662948437176175
SKCM	LBR	cg14607642	-0.182283818889132	473	-4.01487816901752	6.92368467833001e-05	0.0332273906288059	0.000703068954269684
SKCM	LBR	cg18107727	-0.044158143013466	473	-0.957240490943659	0.338939052406972	0.00194994159439772	0.538275485208697
SKCM	LBR	cg18289048	-0.0659866307701658	473	-1.43215475813993	0.15276565607516	0.00435423544039819	0.319769983821095
SKCM	LBR	cg18764107	0.0454483388650318	473	0.985265846227371	0.325001508441452	0.00206555150559076	0.524416480289023
SKCM	LBR	cg19322477	-0.0538723534381554	473	-1.16837834023809	0.243247746394363	0.00290223046496554	0.435858098005415
SKCM	LBR	cg20483690	-0.155250579975125	472	-3.39980578899824	0.000732040934601693	0.0241027425826127	0.0051743042400876
SKCM	LBR	cg26930584	-0.0819780242992085	473	-1.78134529089294	0.0755031019192702	0.00672039646800162	0.194828456637512
SKCM	MBD1	cg01719254	-0.143728920202982	473	-3.14530955847354	0.0017645262918748	0.020658002502715	0.010735926665893
SKCM	MBD1	cg03841029	-0.289761964656877	473	-6.55648471540734	1.45632251401004e-10	0.0839619961618131	5.62807519398397e-09
SKCM	MBD1	cg05549078	-0.311615722837376	473	-7.1021036361011	4.5848104301908e-12	0.0971043587194606	2.32056436308564e-10
SKCM	MBD1	cg12090413	-0.199879283627952	473	-4.41781647540824	1.23939156926632e-05	0.0399517280236235	0.000158138802262595
SKCM	MBD1	cg13478031	-0.0392010442497454	473	-0.849606857251547	0.395977176632229	0.0015367218702705	0.592670626422341
SKCM	MBD1	cg14389183	-0.312808356751127	473	-7.13222716359901	3.764387845704e-12	0.0978490680533406	1.93809919304233e-10
SKCM	MBD1	cg19328682	-0.373337276473828	473	-8.71529799630088	5.03150681105426e-17	0.139380722004895	5.01179309678816e-15
SKCM	MBD1	cg21282183	0.114802120098161	473	2.50274875643977	0.0126624460692178	0.0131795267790326	0.0512919723774396
SKCM	MBD2	cg15090185	0.132539684147599	473	2.8958817924369	0.00395754172415221	0.0175667678739454	0.0205936776831069
SKCM	MBD2	cg16852837	-0.20980416558318	473	-4.64703156377663	4.38190777598071e-06	0.0440177878960544	6.33499597704225e-05
SKCM	MBD2	cg17987217	0.0171628706514453	473	0.371740881118822	0.710253674221705	0.000294564128998243	0.83498518024577
SKCM	MBD2	cg22224310	-0.226941311673971	473	-5.0464021242616	6.45104615478166e-07	0.0515023589443023	1.15901312832583e-05
SKCM	MBD2	cg22836370	0.0114923534118445	473	0.248899529531299	0.803547457893256	0.000132074186942735	0.892986394787931
SKCM	MBD2	cg23388714	-0.20320466650001	473	-4.49445414304248	8.79756474856059e-06	0.0412921364873802	0.000116771498387566
SKCM	MBD2	cg24881765	-0.201978445695193	473	-4.46617561924547	9.98928958270438e-06	0.0407952925254461	0.000130782025209846
SKCM	MBD2	cg25192916	0.115565346037945	473	2.51961196811873	0.012079587477439	0.0133553492048701	0.0494069100010456

SKCM	MBD3	cg08660999	0.00172166745017466	473	0.037285187703949	0.970273480370531	2.96413880899093e-06	0.984298837253315
SKCM	MBD3	cg09174855	-0.0807899459041356	473	-1.75535801959193	0.0798509234321967	0.00652701535919316	0.202779094482199
SKCM	MBD3	cg12286540	-0.200964969338473	473	-4.44281984178796	1.10887460349007e-05	0.0403869189012134	0.000143414448718049
SKCM	MBD5	cg03890220	0.272633758550747	473	6.13674054492461	1.7939065265237e-09	0.0743291663015073	5.65933745846529e-08
SKCM	MBD5	cg04152151	0.281345095045685	473	6.34939750550091	5.11072141491368e-10	0.0791550625062657	1.77334282672522e-08
SKCM	MBD5	cg05218490	0.198346763994183	473	4.38255133626697	1.44870520974143e-05	0.0393414387869643	0.000180870764061346
SKCM	MBD5	cg06394585	0.217945255614564	473	4.83616800204071	1.79783397928367e-06	0.0475001344448976	2.87542550543572e-05
SKCM	MBD5	cg06758980	0.237409373230996	473	5.29275572574951	1.85396229823348e-07	0.0563632104979343	3.79046368012549e-06
SKCM	MBD5	cg20595490	0.243183595507654	473	5.42947443685386	9.08629212297631e-08	0.0591382611240304	1.98779248991794e-06
SKCM	MBD5	cg21412502	-0.185368684641635	472	-4.08086304034705	5.27516360857848e-05	0.03436154924577	0.000555387843775551
SKCM	MBD5	cg23120335	-0.21953353524545	473	-4.87318987666422	1.50490714360301e-06	0.0481949811231142	2.45281261951504e-05
SKCM	MBD5	cg25686162	0.142325090947477	473	3.11395032855355	0.00195896127721991	0.0202564315132076	0.0116939405770446
SKCM	MBD5	cg26664634	-0.280646007306461	473	-6.33226979359465	5.6617750798655e-10	0.0787621814170581	1.95495841350669e-08
SKCM	MBTD1	cg01388767	-0.036546310286502	473	-0.791990881383502	0.428766382614882	0.00133563279555728	0.622929651621658
SKCM	MBTD1	cg14577476	-0.0044426601755033	473	-0.0962130100944276	0.923392495733906	1.9737229435003e-05	0.959724188875249
SKCM	MBTD1	cg17045523	-0.123840603792531	473	-2.70274804124414	0.00712640509238203	0.0153364951476987	0.0328606222367831
SKCM	MBTD1	cg18711617	-0.0632242119338587	473	-1.37195412069398	0.170733597096658	0.00399730097465748	0.344612356715724
SKCM	MBTD1	cg22141797	-0.0772563688612022	473	-1.67811086766019	0.093991629406286	0.00596854652961813	0.227814010999573
SKCM	MBTD1	cg25259117	-0.00736900188964998	473	-0.15959044331943	0.873272412560495	5.4302188849665e-05	0.932870400729583
SKCM	MBTD1	cg25716740	-0.0268314265816318	473	-0.581281594031104	0.561329929542241	0.000719925452405496	0.731822755796886
SKCM	MBTD1	cg25855326	-0.136309080189301	473	-2.97977720215947	0.00303432766476587	0.0185801653420532	0.0166128852384261
SKCM	MBTD1	cg27207041	-0.0755451343879432	473	-1.64072480221932	0.101524986681076	0.00570706732969239	0.240884304472833
SKCM	MBTD1	cg27214721	-0.0515600825641552	473	-1.11809335792947	0.26409950329127	0.0026584421140225	0.4596379507157
SKCM	MBTD1	cg27353579	-0.0759118334380057	473	-1.64873499295351	0.0998715819478256	0.00576260645591951	0.238043145769176
SKCM	MLLT10	cg00879184	-0.291914559561942	473	-6.60971066798752	1.04927081384403e-10	0.0852141100842425	4.18599865088115e-09
SKCM	MLLT10	cg03524461	-0.220961250416308	473	-4.90650301115548	1.28111513495928e-06	0.0488238741855385	2.13000792496307e-05
SKCM	MLLT10	cg04188362	-0.227869759603355	473	-5.06817593940795	5.78935929266442e-07	0.0519246273416908	1.05277563537526e-05
SKCM	MLLT10	cg05913198	0.00361208517374919	473	0.0782252999417683	0.937682199733884	1.30471593024187e-05	0.96664874103142
SKCM	MLLT10	cg06398735	-0.0242842062951357	473	-0.526063814055152	0.599092530903147	0.000589722675384707	0.759398493597722
SKCM	MLLT10	cg11443787	-0.172842680009412	472	-3.796295224637	0.000166189789150674	0.0298745920328361	0.0014865549565583
SKCM	MLLT10	cg15910013	0.0708932158887235	473	1.53916507240037	0.124438383317842	0.00502584805904515	0.27752306610367
SKCM	MLLT10	cg19119538	-0.229574347686134	473	-5.10818968729729	4.7404699190292e-07	0.052704381115514	8.78884930602853e-06
SKCM	MLLT10	cg20569108	-0.110950392058291	473	-2.41771403661306	0.0159985717275016	0.0123099894978885	0.0612828248052223
SKCM	MLLT10	cg23344688	-0.235885792592897	473	-5.25678116645842	2.23105671238052e-07	0.0556421071471792	4.46521291183252e-06
SKCM	MLLT10	cg26877631	-0.0918911509254319	473	-1.99848772634679	0.0462405892637779	0.0084439836184005	0.136259106105543
SKCM	MLLT10	cg27470303	-0.161376189855139	473	-3.54124378566608	0.000438038263279206	0.026042274652162	0.00335139678938436
SKCM	MLLT10	cg27572529	-0.22856590691396	473	-5.08451143817389	5.33653527761993e-07	0.052242373803401	9.7982163178467e-06
SKCM	MLLT6	cg05652455	0.0942716882663849	473	2.05071898913927	0.0408494879032604	0.00888715120859444	0.124265634143286
SKCM	MORF4L	cg03589001	-0.112563507568453	473	-2.45331317884608	0.0145175912210259	0.0126705432361132	0.0569101280649278
SKCM	MORF4L	cg07757959	0.132693854675503	473	2.8993106288738	0.00391527983180874	0.0176076590686435	0.0204167145750547
SKCM	MORF4L	cg08692282	0.0893406516912803	473	1.94256565908801	0.0526668295076484	0.00798175204462266	0.149826787636876
SKCM	MORF4L	cg13747872	-0.0487438929069308	473	-1.05687391940399	0.291113207292813	0.00237596709572234	0.488671785608026
SKCM	MORF4L	cg15822222	-0.0977469263748965	473	-2.12703301729065	0.0339386292860002	0.00955446161573944	0.108245735175889
SKCM	MORF4L	cg20775702	-0.166450403568912	473	-3.65571568564541	0.000285473171847405	0.0277057368482538	0.00234460514471041
SKCM	MORF4L	cg20905746	0.120135443764886	473	2.62068242905395	0.00906021267607733	0.0144325248485862	0.0395412283440272
SKCM	MORF4L	cg23623458	-0.28571446447464	428	-6.13913188015614	1.90872814264628e-09	0.0816327552100305	5.9849898076995e-08
SKCM	MORF4L	cg24795825	-0.102592241027143	468	-2.22162692841038	0.0267902568201252	0.0105251679189714	0.0907125675327452
SKCM	MPHOSF	cg00331616	-0.127418325259419	473	-2.78209992851032	0.00561857830961385	0.0162354296119152	0.0272331265431838
SKCM	MPHOSF	cg03134886	0.0551425121895235	473	1.19600846645748	0.23229756706841	0.00304069665057174	0.422899862691189
SKCM	MPHOSF	cg03428000	0.120793188785534	473	2.63524261009527	0.00868610374029473	0.0145909944569776	0.0382466239048307
SKCM	MPHOSF	cg04203901	0.0424263493261064	473	0.919630361510955	0.35823869527038	0.00179999511714081	0.55723154099662
SKCM	MPHOSF	cg06019692	-0.0710117087984752	473	-1.54175070366782	0.123808607561281	0.00504266278647944	0.276648206387468
SKCM	MPHOSF	cg09559995	-0.0986198227813603	473	-2.14621349933185	0.0323683751196514	0.0097258694454269	0.104458034267741
SKCM	MPHOSF	cg11051893	0.259384781304338	473	5.81641487393868	1.1138967382026e-08	0.0672804647722993	3.02037235453932e-07
SKCM	MPHOSF	cg19693579	0.255725645044296	473	5.72857752442239	1.812448292584e-08	0.0653956055333211	4.69754649522018e-07
SKCM	MPHOSF	cg20759595	-0.318183357645948	472	-7.26070306299762	1.61666203718046e-12	0.101240649082849	8.88809940073615e-11
SKCM	MPHOSF	cg20952532	-0.0347763333331305	473	-0.75358629074008	0.451475820227895	0.00120939337400754	0.642074367174437

SKCM	MPHOSF	cg21958444	-0.0987087731387662	47%	-2.1481683191823	0.0322119025492173	0.00974342189456041	0.104091249767958
SKCM	MPHOSF	cg22656705	-0.181836467024621	47%	-4.00468769775643	7.21863648864808e-05	0.0330645007399959	0.000727606383775446
SKCM	MSH6	cg00620552	-0.0647184703745045	47%	-1.40451406469236	0.160827736633755	0.00418848040761562	0.330838700399123
SKCM	MSH6	cg02905881	-0.0115888449287419	47%	-0.250989606713412	0.801932068946129	0.000134301326782426	0.891922272808566
SKCM	MSH6	cg05039065	0.0165473468716362	47%	0.358405163977226	0.720201393920399	0.000273814688490248	0.841352523405867
SKCM	MSH6	cg07652213	-0.0335426275641509	47%	-0.726821813683556	0.467697730293769	0.00112510786390734	0.656716734300912
SKCM	MSH6	cg09898070	-0.120133864398041	47%	-2.62064747160208	0.00906112797562234	0.014432145375207	0.0395412283440272
SKCM	MSH6	cg11869233	-0.0137273483578656	47%	-0.297313068601902	0.766359145507463	0.000188440092938197	0.870464934524859
SKCM	MSH6	cg16595246	-0.128571960911228	47%	-2.80771030539081	0.00519751931211308	0.0165307491325584	0.0255698360441741
SKCM	MSH6	cg18222961	-0.127199602202892	47%	-2.77724563784707	0.00570178414958011	0.0161797388005739	0.027547174023875
SKCM	MSH6	cg19076255	-0.13610834496579	47%	-2.97530615132106	0.0030780648126515	0.0185254815693265	0.0168014997218222
SKCM	MSH6	cg19736286	0.0808668614369432	47%	1.75704019181463	0.0795634384567516	0.00653944927866177	0.202240095778616
SKCM	MSH6	cg21405109	-0.120945650727986	47%	-2.63861808792414	0.00860137693866368	0.014627850430016	0.0379845321052681
SKCM	MTA1	cg01318265	-0.279212731350043	47%	-6.29718856813229	6.97811413934632e-10	0.0779597493479512	2.37158327372786e-08
SKCM	MTA1	cg01655777	-0.0410364322494391	47%	-0.889450940842554	0.374216764650153	0.00168398877176281	0.572864319516588
SKCM	MTA1	cg05922925	-0.234203053348394	47%	-5.21709626888163	2.73329911320145e-07	0.0548510701977107	5.36278111506668e-06
SKCM	MTA1	cg13052453	-0.203930680988201	47%	-4.51120753133934	8.15715564213227e-06	0.0415877226483114	0.000109278072330642
SKCM	MTA1	cg13981078	-0.0446411863469713	47%	-0.967732484161195	0.333676754538097	0.00199283551846502	0.533277841821447
SKCM	MTA1	cg16531924	-0.231359944601818	47%	-5.15015826968722	3.83851388104979e-07	0.0535274239661565	7.26023216295617e-06
SKCM	MTA1	cg20222911	-0.222156347173825	47%	-4.93441426242453	1.1866336682589e-06	0.049353442589617	1.89021064202548e-05
SKCM	MTA1	cg21517792	-0.0864364784230166	47%	-1.8789358008087	0.0608731890265747	0.00747126480217262	0.166341243708362
SKCM	MTA1	cg23123838	-0.0645981530558089	47%	-1.40189199786154	0.161608967512411	0.00417292137822172	0.331957014724487
SKCM	MTA1	cg23883989	-0.271729491852901	47%	-6.11476068987539	2.03850572735598e-09	0.0738369167426357	6.36370443635357e-08
SKCM	MTA1	cg23966123	-0.179283331668084	47%	-3.94657743646597	9.14184932928272e-05	0.0321425130140083	0.000892195528374666
SKCM	MTA2	cg00501779	-0.118593994783486	47%	-2.58657380704144	0.00999367639035579	0.0140645355987055	0.04260222812819
SKCM	MTA2	cg07654871	0.0555657135903766	47%	1.20521577422489	0.228727762451037	0.00308754852680776	0.418644508672705
SKCM	MTA2	cg09086761	-0.0173371945486538	47%	-0.37551779622866	0.707445190335649	0.00030057831481787	0.833255299687054
SKCM	MTA2	cg13708959	-0.258990406760134	47%	-5.8069351152118	1.17432527408543e-08	0.0670760307937799	3.16437341088333e-07
SKCM	MTA2	cg19570317	-0.305168783275155	47%	-6.93990503507403	1.31087349886743e-11	0.0931279862856385	6.10647263298761e-10
SKCM	MTA2	cg21002970	0.0278596136173986	47%	0.603573434085208	0.546419077135018	0.000776158070910744	0.720021650314972
SKCM	MTF2	cg05396182	-0.0985480572733704	47%	-2.1446363806394	0.0324950905042243	0.0097117195923555	0.104749640354934
SKCM	MTF2	cg05962718	-0.350164367621746	47%	-8.095865607263	4.93830772005429e-15	0.122615084351938	3.83786923850054e-13
SKCM	MTF2	cg09936581	0.127345402542254	47%	2.78048145220505	0.00564619717145216	0.0162168515486487	0.0273397399947684
SKCM	MTF2	cg11404133	0.0237488737681063	47%	0.514460396381461	0.607172478768121	0.000564009005253447	0.765316812443491
SKCM	MTF2	cg14474880	-0.314874658895169	47%	-7.18450643348442	2.66949185171265e-12	0.0991460508143492	1.41754572772788e-10
SKCM	MTF2	cg15463775	-0.26417872514689	47%	-5.93190042959692	5.81970202993496e-09	0.0697903988202359	1.66692893857423e-07
SKCM	MTF2	cg16813892	0.0946120757021837	47%	2.05819029301512	0.0401238320066372	0.00895144486867574	0.122744529576262
SKCM	MTF2	cg19708337	-0.0636451770223227	47%	-1.38112601783499	0.167897909772837	0.00405070855820279	0.340893600499466
SKCM	MTF2	cg22801127	-0.0366462100065536	47%	-0.794158704009635	0.427504688223078	0.00134294470784443	0.621827845887305
SKCM	MTF2	cg23992808	-0.105281973589727	47%	-2.29277164260545	0.0223029548704954	0.011084293962948	0.0790161249291974
SKCM	MTF2	cg26054395	-0.245659904599115	47%	-5.48829391655483	6.65489616055568e-08	0.0603487887276461	1.50760335443876e-06
SKCM	NAP1L2	cg02379437	0.0745553210794101	47%	1.61910660835137	0.106096545046192	0.00555849590125393	0.248417595946531
SKCM	NAP1L2	cg04297329	0.0573367218654786	47%	1.24375353491797	0.214211582924638	0.00328749967427925	0.400855765468085
SKCM	NAP1L2	cg07693661	0.0334042448865217	46%	0.721501195139417	0.47096304507072	0.00111584357643871	0.659364361990621
SKCM	NAP1L2	cg20001978	-0.00212553755833497	46%	-0.0456868012609176	0.963579624620201	4.51790991189257e-06	0.980854943540968
SKCM	NAP1L2	cg23483095	0.0494090382418781	47%	1.07133077638812	0.28457171473042	0.00244125305998737	0.481860992098597
SKCM	NCOA1	cg11380327	-0.336934599083945	47%	-7.74994760931871	5.74715495262003e-14	0.113524924059859	3.90816584251855e-12
SKCM	NCOA1	cg13911252	-0.0534739476685494	47%	-1.15971288395568	0.246755776094349	0.00285946307925875	0.439955052380908
SKCM	NCOA1	cg15477048	0.0898309656951529	47%	1.95331322326234	0.0513767049961904	0.00806960239772374	0.147168399310466
SKCM	NCOA1	cg23006163	-0.296276322892938	47%	-6.7178993284038	5.3544057112834e-11	0.0877796595069605	2.22868185074147e-09
SKCM	NCOA3	cg04175879	-0.1393914394594	47%	-3.04847906821553	0.00243000627262245	0.0194299733945635	0.0139061282898625
SKCM	NCOA3	cg09568061	-0.0583273950346852	47%	-1.26531604451936	0.206386326404824	0.00340208501153222	0.390923470973116
SKCM	NCOA3	cg12128876	0.102875962004229	47%	2.23980777790853	0.0255711607386734	0.0105834635582956	0.0876449126580236
SKCM	NCOA3	cg14341558	-0.0203012537736564	47%	-0.439742858484648	0.660325918586518	0.000412140904782398	0.802379376324254
SKCM	NCOA3	cg14774045	-0.0914119103809595	47%	-1.98797693990352	0.0473951876592515	0.00835613735949657	0.138762606931008
SKCM	NCOA3	cg18295930	0.0348404180526813	47%	0.754976657366392	0.450641936255688	0.0012138547300856	0.641439579702766
SKCM	NCOA3	cg21735648	0.237293693228123	47%	5.29002285898119	1.88029183790062e-07	0.0563082968458427	3.83911900590389e-06

SKCM	NCOA3	cg22511723	-0.00345718956719865	473	-0.0748707546398955	0.940349469355472	1.19521597035472e-05	0.968279902303635
SKCM	NCOA3	cg22876277	0.0186427489900355	473	0.403805152918338	0.686540058877058	0.000347552089905471	0.819591764601885
SKCM	NCOA3	cg24856420	-0.0203325883034734	473	-0.440421872220314	0.659834500997521	0.000413414147118542	0.802024392528376
SKCM	NCOA3	cg25373408	-0.0231331543447124	473	-0.501115126857292	0.616525210634714	0.000535142829936288	0.772147826388424
SKCM	NCOR1	cg00253204	0.112260574790483	473	2.44662639831098	0.0147861528955848	0.0126024366522896	0.0577417789447883
SKCM	NCOR1	cg08125503	-0.0368058095934459	473	-0.797622062466058	0.425493486785275	0.00135466761982899	0.620152846887594
SKCM	NCOR1	cg08206308	0.0321202840591798	473	0.695969083829815	0.486792926005986	0.0010317126480424	0.673188596285669
SKCM	NCOR1	cg21211144	0.304373909719954	473	6.91998035226452	1.48950646340833e-11	0.0926434769182108	6.8201686765384e-10
SKCM	NCOR1	cg22291359	-0.0315620941137928	473	-0.68386228700152	0.494399866842473	0.000996165784847911	0.679523992589059
SKCM	NCOR1	cg22625220	0.0215249996226662	473	0.46626219844268	0.641244316100812	0.000463325608755782	0.789256551328954
SKCM	NCOR2	cg08976554	-0.166049792507079	473	-3.64666736181938	0.000295421581721603	0.027572533591644	0.00241400862608517
SKCM	NCOR2	cg10641483	-0.0979478857695064	473	-2.13144833301575	0.0335714845051242	0.00959378832671628	0.107338788606783
SKCM	NCOR2	cg13416396	-0.0653298734322915	473	-1.41783928127931	0.15690173781968	0.00426799236267923	0.32551106170847
SKCM	NCOR2	cg13419087	-0.162820915581315	473	-3.57380631324171	0.000388256256575703	0.0265106505507378	0.00303040104585635
SKCM	NCOR2	cg13857025	-0.160836076495013	473	-3.52907624091332	0.000458128767575142	0.0258682435023097	0.00348451988118308
SKCM	NCOR2	cg16181859	-0.135814241525293	473	-2.96875614929863	0.00314318081250833	0.0184455082010907	0.0171077176329863
SKCM	NCOR2	cg19895345	-0.07696557312512	473	-1.67175668695853	0.0952393104833664	0.00592369944647819	0.230016047925957
SKCM	NCOR2	cg23611643	-0.0976106825821761	473	-2.12177408635991	0.034381532396991	0.00952784535415833	0.109331136825193
SKCM	NCOR2	cg24626542	-0.0695494324386083	473	-1.50984695780915	0.131755873969826	0.00483712355253255	0.288740497684706
SKCM	NCOR2	cg25113767	-0.183231898559604	473	-4.03648352476348	6.33573759484212e-05	0.033573928649757	0.000652997311146195
SKCM	NCOR2	cg25449924	-0.118740663130834	473	-2.5898184101848	0.00990132043747182	0.0140993450807503	0.0422955668614729
SKCM	ORC1	cg00298020	-0.207464470602562	471	-4.59286418194428	5.62462453438945e-06	0.0430415065624011	7.90251112566901e-05
SKCM	ORC1	cg02275620	0.0478974124259697	471	1.03847779959911	0.299582752770136	0.00229416211710343	0.497854062415635
SKCM	ORC1	cg04407474	0.0616096588973648	471	1.33678335905108	0.181941438527473	0.00379575006944964	0.359492844376873
SKCM	ORC1	cg07142859	-0.159604401507513	471	-3.50134151503927	0.000507191639504313	0.0254735649805715	0.00379279692431015
SKCM	ORC1	cg08613513	0.0638447627315391	471	1.38547480686967	0.166565852755753	0.00407615372824652	0.339065394821632
SKCM	ORC1	cg10586599	0.15323213251113	471	3.35811616254061	0.000848668990237671	0.0234800864339085	0.00585399498373376
SKCM	ORC1	cg13460942	0.0727182969136503	471	1.57899745857629	0.115010824952687	0.0052879507060218	0.262896368711818
SKCM	ORC1	cg16136434	0.167946496887578	471	3.68952340755648	0.000251020065749139	0.0282060258168091	0.00209976935428909
SKCM	ORC1	cg16965475	-0.169009247273454	471	-3.71355465471343	0.000228951725111228	0.0285641256639394	0.00194401555373313
SKCM	ORC1	cg17146111	-0.061162057042434	471	-1.32703486064756	0.185142833436888	0.00374079722166195	0.363730671902644
SKCM	ORC1	cg19776520	-0.0574145672509723	471	-1.24544774536738	0.213589072776657	0.00329643253261642	0.400129584725129
SKCM	ORC1	cg21197365	0.0553351176451988	471	1.20019877312911	0.230668036743042	0.00306197524480799	0.421026940953713
SKCM	ORC1	cg23606758	0.122584086706505	471	2.67490475629967	0.00773628129640483	0.0150268583136679	0.0350271369556813
SKCM	ORC1	cg25605769	0.126854699597416	471	2.76959178284185	0.00583524308185158	0.0160921148099507	0.0280577848018766
SKCM	PADI1	cg14524955	-0.0100974686933661	473	-0.218686048826885	0.826989746077313	0.000101958874013509	0.907121066895159
SKCM	PADI1	cg21010178	0.0607374633270948	473	1.3177882084457	0.188217876616935	0.00368903945141018	0.367700999310359
SKCM	PADI1	cg22193702	0.0279417591228197	473	0.605354489938393	0.545236288041386	0.000780741902877677	0.719190564005349
SKCM	PADI2	cg00569276	-0.132991348487189	473	-2.90592765886705	0.00383488256681083	0.017686698772441	0.0200774516725541
SKCM	PADI2	cg01603374	-0.19432376523141	473	-4.29013565011927	2.16980591384028e-05	0.037761725733712	0.000257117869400291
SKCM	PADI2	cg07014827	-0.189726661060578	473	-4.17140109229075	3.61158633167469e-05	0.0359962059171956	0.000400775080361671
SKCM	PADI2	cg09313801	-0.128415834974802	473	-2.8042436792464	0.00525278863206596	0.0164906266722755	0.0257862963868833
SKCM	PADI2	cg10233913	-0.266411038842338	473	-5.98583718546553	4.28235106970776e-09	0.0709748416170538	1.25524197105066e-07
SKCM	PADI2	cg15185794	-0.18229931131542	473	-4.01523112557635	6.91367659242892e-05	0.0332330389060763	0.000702236005785893
SKCM	PADI2	cg17183414	-0.161161823755618	473	-3.5364142070509	0.000445911823614684	0.0259731334362369	0.0034047847401117
SKCM	PADI2	cg18228326	-0.159846763075505	473	-3.50679765635623	0.000497167458406795	0.0255509876657167	0.00373099708359512
SKCM	PADI2	cg18879300	0.0378355117293182	473	0.819968385582506	0.41265064770258	0.00143152594781937	0.608275594265741
SKCM	PADI2	cg19282714	-0.150455783394406	473	-3.29584931720044	0.00105565486993513	0.0226369427568245	0.00702511676233821
SKCM	PADI3	cg01459162	0.0587182130228225	473	1.273823426615	0.203356896885903	0.00344782854059356	0.387183886936586
SKCM	PADI3	cg12858514	0.0101633807037489	473	0.220113685967587	0.825878393274009	0.000103294307329335	0.906336527005393
SKCM	PADI3	cg14664242	0.0333953719009695	473	0.723627419065024	0.469655262421436	0.00111525086440406	0.658419590290554
SKCM	PADI3	cg17589397	0.0515397988776967	473	1.11765232932997	0.264287695898502	0.00265635086835342	0.459842030254928
SKCM	PADI3	cg18768338	0.0337986078746489	473	0.732374868386887	0.464305627381533	0.00114234589426428	0.653558036016412
SKCM	PADI3	cg21966975	0.0174748111146998	473	0.378499431625581	0.705230885005906	0.000305369023494435	0.83179543442166
SKCM	PADI4	cg16091981	-0.0211215341363126	473	-0.457518622509335	0.647510188514402	0.000446119204271418	0.793428695721791
SKCM	PADI4	cg18333690	-0.0150519184964678	473	-0.326007417801995	0.744564153256548	0.000226560250424308	0.856483814331392
SKCM	PADI4	cg19159961	0.0385212482603249	473	0.834851504779992	0.404226376205664	0.00148388656753358	0.600683591727826

SKCM	PADI4	cg21295838	-0.0103167750308966	475	-0.223436178661694	0.823293337018325	0.000106435847038131	0.904903809940992
SKCM	PADI4	cg23228178	0.0234332940894984	475	0.50762036474956	0.611958231754337	0.000549119271884923	0.768779631507419
SKCM	PADI4	cg26918754	0.000207634765256672	475	0.0044966232525385	0.996414137795902	4.31121957431934e-08	0.99824910736107
SKCM	PADI6	cg12643633	0.117167773099722	471	2.55503179222969	0.010932413582521	0.0137282870531479	0.0457143335461269
SKCM	PADI6	cg16017904	0.143242686461853	471	3.1344457146409	0.00182977404088963	0.0205184672248087	0.011053381094655
SKCM	PARP1	cg00653565	-0.141912686485349	475	-3.10474154728138	0.00201969808345021	0.0201392105854891	0.0119920922533907
SKCM	PARP1	cg02088626	-0.238293212789341	475	-5.31364376272536	1.66419590520155e-07	0.0567836552614661	3.43680531588133e-06
SKCM	PARP1	cg03149313	0.103229977402001	475	2.24759825103475	0.0250657781020665	0.0106564282344177	0.0863858705361623
SKCM	PARP1	cg04960271	0.1800835975308	475	3.96478284033756	8.49243015224885e-05	0.0324301020996353	0.000836172777197883
SKCM	PARP1	cg07113065	-0.382613090694618	475	-8.96844616637158	7.21376791779428e-18	0.146392777170888	7.82688788559119e-16
SKCM	PARP1	cg17661881	-0.052784560870226	475	-1.1447198043713	0.252909088754026	0.0027862098662626	0.446907962486941
SKCM	PARP1	cg25722198	-0.205718440566854	475	-4.55249474752402	6.76412560134807e-06	0.0423200767892584	9.27076087088216e-05
SKCM	PARP1	cg26464410	0.133436214591657	475	2.91582412134823	0.00371744562296703	0.0178052233645508	0.0195600246731888
SKCM	PARP2	cg01813761	-0.166638536791147	467	-3.6364789096479	0.000307423920883878	0.0277684019438946	0.00249524347524097
SKCM	PARP2	cg10910545	-0.168495347438179	475	-3.70193253048256	0.000239386015845768	0.0283906821083127	0.00201807495846399
SKCM	PARP2	cg15078479	-0.0944537213662795	475	-2.05471441810199	0.0404600529747379	0.00892150547993876	0.1233897589524
SKCM	PARP2	cg15365367	-0.21353282745099	475	-4.7352862456926	2.92628491853818e-06	0.0455962683992143	4.41840700201975e-05
SKCM	PARP2	cg18899035	-0.0345908648537907	427	-0.71185507000716	0.476946932345468	0.00119652793133321	0.66464523596011
SKCM	PARP2	cg19540080	-0.0168231654092317	475	-0.364380898043623	0.715737824958565	0.000283018894386369	0.838404329862474
SKCM	PARP2	cg24595957	0.0315812688091679	475	0.68427816367033	0.494137509803472	0.000997376539596921	0.679336469049787
SKCM	PARP2	cg26206608	-0.0574752132258797	475	-1.2467676472879	0.213105004534232	0.00330340013536034	0.399513627713372
SKCM	PARP2	cg26430074	-0.11799473648128	475	-2.57331877222596	0.0103790203587747	0.0139227578372868	0.0438746677058369
SKCM	PAXIP1	cg02824291	0.22475513719272	475	4.99518946070291	8.30828602124295e-07	0.0505148716945182	1.45178527119626e-05
SKCM	PAXIP1	cg12220104	0.144333170143076	475	3.15881346193706	0.00168641492145304	0.0208320640035502	0.0103497130324643
SKCM	PAXIP1	cg22583711	-0.0638948599744673	475	-1.38656640590361	0.166232745018628	0.00408255313115679	0.338567131793358
SKCM	PAXIP1	cg24448952	-0.275845179981373	475	-6.21494256564235	1.13500205492781e-09	0.0760905633189559	3.72087441470939e-08
SKCM	PAXIP1	cg24452135	0.0330113657871457	475	0.715297454473378	0.474781189999997	0.00108975027113273	0.662608587687198
SKCM	PCGF1	cg03203239	0.0523643741738932	475	1.13558221041167	0.256711429145216	0.00274202768262349	0.451030559515068
SKCM	PCGF1	cg08092637	-0.0288848193000965	475	-0.625802545059233	0.531748876125619	0.000834332785999228	0.709337073203555
SKCM	PCGF1	cg27306986	0.0823428393650245	475	1.78932655264651	0.0742073770400397	0.00678034319469423	0.192371911408339
SKCM	PCGF2	cg09395368	-0.0489378494173325	475	-1.06108939530375	0.289195381239242	0.00239491310559351	0.486720149884811
SKCM	PCGF2	cg17902383	-0.0219623330727059	475	-0.475739990891953	0.634481138279261	0.000482344073996471	0.784719009082621
SKCM	PCGF2	cg20228512	-0.070766610702993	475	-1.53640249569585	0.125114024292787	0.00500791319038897	0.278590617563988
SKCM	PCGF2	cg25377665	-0.073401267763131	475	-1.59390737295994	0.111630442346532	0.00538774610923485	0.257537919095674
SKCM	PCGF5	cg03905463	0.141492465335725	475	3.09535992046273	0.0020833534979915	0.0200201177467814	0.0122931130175023
SKCM	PCGF5	cg06001881	0.0826092895537278	475	1.79515628881319	0.0732725110356974	0.00682429472057164	0.190653613068133
SKCM	PCGF5	cg07421809	-0.0112494329626551	475	-0.243637724703073	0.807617941415102	0.00012654974198127	0.895869720037944
SKCM	PCGF5	cg07424295	0.182488675079145	475	4.0195455599587	6.79244526366084e-05	0.0333021165321419	0.000691819176278125
SKCM	PCGF5	cg08633154	-0.0213051455548296	475	-0.461497671878042	0.64465555675818	0.000453909227112474	0.791551594653248
SKCM	PCGF5	cg11113644	0.00425313334349268	475	0.0921084233172984	0.926651225396822	1.80891432375292e-05	0.961321948533324
SKCM	PCGF5	cg12783297	-0.14083089391865	475	-3.08059349793217	0.00218729409249065	0.019833340681926	0.0127650680143449
SKCM	PCGF5	cg15550435	-0.04474918829492	475	-0.970078444529704	0.332507401231776	0.00200248985305421	0.532255148507839
SKCM	PCGF5	cg17001035	0.170272500730288	475	3.74213709267314	0.000205082815754457	0.0289927245049459	0.00177246469515767
SKCM	PCGF5	cg20515900	0.0171971475624	475	0.372483524647256	0.709701137105631	0.000295741884282961	0.83463832045829
SKCM	PCGF5	cg22968329	-0.0840227895229282	475	-1.82608915259737	0.0684724563044857	0.0070598291592143	0.181413153179623
SKCM	PCGF5	cg23395902	-0.0803524329826244	475	-1.7457900435861	0.0815022488457599	0.00645651348622715	0.20568973063121
SKCM	PCGF5	cg25390656	0.10181546764176	475	2.2164756439859	0.0271380142170745	0.0103663894511104	0.0916189158531047
SKCM	PCGF6	cg01917164	-0.213620147216412	475	-4.73555683736102	2.89849548710115e-06	0.0456335672967616	4.38261531435466e-05
SKCM	PCGF6	cg06691148	-0.0427463387324238	475	-0.926579077363248	0.354621677072576	0.00182724947502711	0.553553358873608
SKCM	PCGF6	cg11612727	0.0158739419549484	475	0.343815881251288	0.731138840912138	0.000251982033189072	0.848067856353535
SKCM	PCGF6	cg11814370	-0.175433115264032	475	-3.85910052242635	0.000129743093170639	0.0307767779312431	0.00120343796233656
SKCM	PCGF6	cg14409890	-0.338153593458811	475	-7.78159884334363	4.6063101864154e-14	0.114347852769107	3.18244489024866e-12
SKCM	PCGF6	cg16113748	-0.192878594689018	475	-4.25699263781856	2.50366096760042e-05	0.0372021522892106	0.00029117925147781
SKCM	PCGF6	cg16382383	0.150061771688738	475	3.28701908364422	0.00108854162052951	0.022518535323628	0.00720452669963184
SKCM	PCGF6	cg24418712	-0.0662664284189864	475	-1.43825413269351	0.151028895815428	0.00439123953540865	0.317167204434332
SKCM	PCGF6	cg25481680	-0.0402456820885567	475	-0.872283616294737	0.38350000995963	0.00161971492677317	0.581774921994491
SKCM	PCGF6	cg26155979	0.0239396681762612	475	0.51859584422194	0.604287193921961	0.000573107712389493	0.763185187005293

SKCM	PCGF6	cg27217148	0.136383072029717	475	2.98142534444019	0.00301834902113176	0.0186003423362631	0.0165466781465677
SKCM	PHC1	cg02770112	-0.024117821955871	475	-0.522457359007315	0.601598619613252	0.000581669335895094	0.761223191135364
SKCM	PHC1	cg08021945	-0.185221322978183	475	-4.08185758065253	5.25163847214044e-05	0.0343069384857883	0.000553435333651711
SKCM	PHC1	cg08867249	-0.101712833555145	475	-2.21421797892624	0.0272939473551691	0.0103455005098166	0.0919936458796424
SKCM	PHC1	cg09059548	-0.178696155847994	475	-3.93322481022742	9.64778091392682e-05	0.0319323161148505	0.000934552942868912
SKCM	PHC1	cg09912793	-0.310340563043378	475	-7.06993678804907	5.65520631926816e-12	0.0963112650700811	2.81112536997538e-10
SKCM	PHC1	cg12581035	0.0876464140549959	475	1.90543928822933	0.0573342175773432	0.00768189389669979	0.159269714216549
SKCM	PHC1	cg14199415	0.0183025912542851	475	0.396434785891273	0.691964615768101	0.000334984846621433	0.823111902614163
SKCM	PHC2	cg06899053	-0.0819824719531303	475	-1.77954238436924	0.075799730551225	0.0067211257075458	0.195375145497761
SKCM	PHC2	cg13640100	-0.0138480411123147	475	-0.299927585615022	0.76436527675151	0.000191768242648358	0.869215499774989
SKCM	PHC2	cg15586632	-0.0102199166275578	475	-0.221338241777416	0.824925409054996	0.000104446695874232	0.905955266700892
SKCM	PHC2	cg16558908	-0.0753734054891531	475	-1.6369737787252	0.102306726937699	0.0056811502550323	0.242145841407794
SKCM	PHC2	cg17161743	0.0247426755908015	475	0.536001568540577	0.592211574171004	0.000612199995391646	0.754586222050302
SKCM	PHC2	cg19746874	0.0576429661766785	475	1.25041870276879	0.211770135542072	0.0033227115496457	0.39788542263881
SKCM	PHC2	cg21198021	-0.0600819971255719	475	-1.30351510459711	0.193038464436517	0.00360984637859722	0.373944428456247
SKCM	PHC2	cg21578869	-0.0677687670427389	475	-1.4710098284375	0.141959061369656	0.00459260578649301	0.30419687142439
SKCM	PHC2	cg23886755	0.0447384500451971	475	0.969845192505945	0.332623547617573	0.0020015289124466	0.53233301462877
SKCM	PHF1	cg01097444	-0.126923487468104	475	-2.77111819706621	0.00580840387841358	0.0161095716710659	0.0279546505393037
SKCM	PHF1	cg02776641	-0.0219609098665615	475	-0.475201723812792	0.634864896453354	0.000482281562167239	0.784906628016659
SKCM	PHF1	cg03560363	-0.0851804994256063	475	-1.85143259855189	0.0647357255531717	0.00725571748239572	0.1740410227289
SKCM	PHF1	cg03876174	-0.18530482721382	475	-4.08376324625612	5.21020870504612e-05	0.0343378789887436	0.000549665006781066
SKCM	PHF1	cg06618123	0.0676194379239767	475	1.46775353891508	0.142841473537689	0.00457238838515454	0.30546932469519
SKCM	PHF1	cg06919790	0.0138364461264636	475	0.299676407684686	0.764556760902788	0.000191447241410529	0.869369709240247
SKCM	PHF1	cg07857404	-0.138486599892674	460	-2.98603706263186	0.00297832058997658	0.0191785383498335	0.0163672981051595
SKCM	PHF1	cg08665801	-0.175195684415945	475	-3.85371212194818	0.000132543075458024	0.0306935278379713	0.00122633872647259
SKCM	PHF1	cg08798692	-0.167764359724137	475	-3.68540619593629	0.000254996230611769	0.0281448803936498	0.00212822409228751
SKCM	PHF1	cg10033570	-0.0585465858872137	475	-1.27008735033443	0.204683268176619	0.00342770271904889	0.38881474286455
SKCM	PHF1	cg10797813	-0.225730563278164	475	-5.01802962382973	7.42370915183856e-07	0.0509542871978774	1.31075812473475e-05
SKCM	PHF1	cg13303256	0.0981062760854493	475	2.13492854119363	0.0332845031131469	0.0096248414073544	0.106671114574613
SKCM	PHF1	cg13528777	-0.187088256049731	475	-4.12448515626144	4.39573531431087e-05	0.0350020155517297	0.000474683277403525
SKCM	PHF1	cg13547657	-0.0918587800839156	475	-1.99777771943614	0.0463178274379079	0.00843803547850517	0.136405571502867
SKCM	PHF1	cg18443095	-0.0486661825000457	475	-1.05518498501784	0.29188398804605	0.00236839731912775	0.489613881149155
SKCM	PHF1	cg20135607	-0.17043815488278	475	-3.7458865978054	0.000202131580090879	0.0290491646398465	0.00175204725811586
SKCM	PHF1	cg20872639	0.0475696539473518	475	1.0313553996141	0.302905740622514	0.00226287197667081	0.501239028035138
SKCM	PHF1	cg23345642	0.104238942972886	475	2.26980632402099	0.0236724276847018	0.0108657572321045	0.0827487234016486
SKCM	PHF1	cg23718418	-0.115681784411128	475	-2.5221850303477	0.011992782003802	0.0133822752445427	0.049108048874307
SKCM	PHF1	cg24796663	-0.203196237547478	475	-4.49425968342314	8.80527375457363e-06	0.0412887109534511	0.000116853883736489
SKCM	PHF1	cg26673053	-0.0921682941632102	475	-2.00456671839786	0.0455837282540329	0.00849499444895605	0.134875268362781
SKCM	PHF10	cg04353997	-0.198706260445325	471	-4.38144867764615	1.45704808844682e-05	0.0394841779401653	0.000181766515382668
SKCM	PHF10	cg05243705	-0.0527454684946217	475	-1.14386965600772	0.253261183217906	0.00278208444671713	0.447307795214095
SKCM	PHF10	cg05736120	-0.110258815060712	475	-2.40245786837226	0.0166730141924791	0.0121570062985924	0.0632805028096656
SKCM	PHF10	cg07652237	-0.254310646671969	472	-5.68860715536934	2.25998922737506e-08	0.064673905010715	5.75306289117851e-07
SKCM	PHF10	cg11442717	-0.196543628050111	475	-4.34110180764426	1.73801923813141e-05	0.0386293977271002	0.000211923931992469
SKCM	PHF10	cg15342139	-0.0517131829840527	475	-1.12142226821153	0.262682005013731	0.00267425329434211	0.458124106578447
SKCM	PHF10	cg15360169	-0.144308148886273	475	-3.15825421017159	0.00168958544153772	0.0208248418349828	0.0103669236256925
SKCM	PHF10	cg16740543	-0.00658393755873877	475	-0.142587527376437	0.886677183199615	4.33482337773711e-05	0.939854473608295
SKCM	PHF10	cg27124293	-0.256954037537119	475	-5.75803538636239	1.54047302815511e-08	0.066025377406627	4.05000198554575e-07
SKCM	PHF11	cg00092518	-0.4220226499802	475	-10.0812298080453	9.14734386575142e-22	0.17810311709631	1.40356699939303e-19
SKCM	PHF11	cg01214340	-0.388622481221452	475	-9.13413683006924	1.98207070735449e-18	0.151027432910718	2.26089748691987e-16
SKCM	PHF11	cg02289189	-0.294985751099725	475	-6.68584059164029	6.54151639775371e-11	0.0870165933518687	2.69254352723202e-09
SKCM	PHF11	cg05080330	-0.284666206692432	475	-6.43091566734578	3.12980954035209e-10	0.0810348492326583	1.13457783495876e-08
SKCM	PHF11	cg09997676	-0.422156967237245	475	-10.0851340540282	8.85337731207891e-22	0.178216504986948	1.36114552295626e-19
SKCM	PHF11	cg16956501	-0.39087067875516	475	-9.19647481329382	1.21405930265879e-18	0.152779887510519	1.40336596420561e-16
SKCM	PHF11	cg21320768	-0.497525406369829	475	-12.4210277215581	7.99936430471524e-31	0.247531529983463	2.28787701000374e-28
SKCM	PHF11	cg23137039	-0.303338363461287	475	-6.89404674018217	1.75820921726161e-11	0.0920141627473717	7.94759603995638e-10
SKCM	PHF11	cg24481868	-0.373034521083524	475	-8.70708737207509	5.35521479456091e-17	0.139154753920014	5.32060765936234e-15
SKCM	PHF11	cg24984523	-0.351992731295904	475	-8.1440981618169	3.48548789793589e-15	0.12389888288515	2.76401677402676e-13

SKCM	PHF11	cg25162948	-0.4460501467825	473	-10.7930255516879	2.08890796431556e-24	0.19896073344469	4.0223887667318e-22
SKCM	PHF12	cg01406758	0.00415762955519847	473	0.0900400994586077	0.928293788523925	1.72858835182598e-05	0.96214459565658
SKCM	PHF12	cg02058367	-0.115181947393262	473	-2.5111403450319	0.0123693492229714	0.0132668810053043	0.0503406305755605
SKCM	PHF12	cg06895197	0.23089410860089	473	5.13920400337157	4.05645742110079e-07	0.0533120893865997	7.64087284787203e-06
SKCM	PHF12	cg08657247	0.0283214756916546	473	0.613587558353116	0.53978537676993	0.000802105985352983	0.715050635160575
SKCM	PHF12	cg08806622	-0.0700591601357739	473	-1.52096700596494	0.128941999157881	0.00490828591893001	0.284468092634796
SKCM	PHF12	cg13564075	-0.0467714832673628	473	-1.01401203556404	0.311099834548272	0.0021875716470292	0.510014130378444
SKCM	PHF14	cg06715026	-0.107075107225982	473	-2.33227056575541	0.0201087693965865	0.0114650785874556	0.0731410887618315
SKCM	PHF14	cg07287563	-0.104478804209871	473	-2.27508688564098	0.0233512169469791	0.0109158205291246	0.0818526510845457
SKCM	PHF14	cg07574654	0.11379830989588	473	2.4805767520736	0.0134667404320237	0.0129500553351587	0.0537660562057402
SKCM	PHF14	cg11931558	-0.342430755612592	473	-7.89300708476331	2.10277793056693e-14	0.11725882238941	1.52029280976324e-12
SKCM	PHF14	cg13029706	-0.208604925958668	473	-4.61925704209653	4.98188892032955e-06	0.0435160151342213	7.10469416440178e-05
SKCM	PHF14	cg16800461	-0.268809878449469	473	-6.04391311598836	3.0700887353431e-09	0.0722587507520183	9.22853489479448e-08
SKCM	PHF14	cg20819769	0.261424609053165	473	5.86549707278539	8.4638265407959e-09	0.0683428262186003	2.35239343306422e-07
SKCM	PHF14	cg20964328	-0.169329125837653	473	-3.72079045600451	0.000222673365785774	0.0286723528569437	0.00189816478390736
SKCM	PHF14	cg22876561	-0.205587783093012	473	-4.54947568696346	6.85771728671097e-06	0.0422663365570994	9.38580680159031e-05
SKCM	PHF14	cg23083824	-0.105538585609002	473	-2.29842286392226	0.0219767482219076	0.0111383930523487	0.0781848350883916
SKCM	PHF14	cg24491907	0.121842093908253	473	2.65846900736336	0.00811793345822802	0.0148454958479474	0.0363259427926023
SKCM	PHF19	cg11054680	-0.188098980150493	446	-4.02642598835337	6.66407741704728e-05	0.0353812263336555	0.000681331631727922
SKCM	PHF19	cg11594303	-0.15015254542206	473	-3.28905328014295	0.00108088240215914	0.0225457868967238	0.00716303745652238
SKCM	PHF19	cg13501527	-0.165519053835988	473	-3.63468279455042	0.00030910038906554	0.0273965571827607	0.00250689696277779
SKCM	PHF19	cg13793166	-0.145932543888144	292	-2.50335697375858	0.0128557483008679	0.021296307365665	0.0519101050201244
SKCM	PHF19	cg13851767	0.113886398245353	473	2.48252212478219	0.0133944018127423	0.0129701117052991	0.0535376917546356
SKCM	PHF19	cg13852822	0.140268324369924	473	3.0680401325112	0.0022793846307566	0.0196752028215463	0.0132144629481212
SKCM	PHF19	cg14218513	-0.168341209957332	473	-3.69844723371126	0.000242601312506827	0.0283387629698985	0.00204130287508196
SKCM	PHF19	cg27207079	0.106247140056751	473	2.31402937243979	0.0210974269386163	0.0112884547702388	0.0758715436049701
SKCM	PHF20	cg01512265	-0.0925624521728912	473	-2.01321317796182	0.0446630425270201	0.00856780755225877	0.132864182185232
SKCM	PHF20	cg02674305	-0.0837823585539294	473	-1.82082681185614	0.0692702445339865	0.00701948360485919	0.182931950684939
SKCM	PHF20	cg02957488	-0.048835398937237	473	-1.05886270834736	0.290207343489734	0.00238489618935909	0.487762298032449
SKCM	PHF20	cg04179482	0.224914009717842	473	4.99890847180557	8.15761779758269e-07	0.0505863117673577	1.42802366999358e-05
SKCM	PHF20	cg09692677	-0.169660485071558	467	-3.70436214698113	0.000237508059807574	0.0287846801947164	0.00200398069464972
SKCM	PHF20	cg10372813	-0.275603583765288	473	-6.20905161380386	1.17501342652794e-09	0.07595733538427	3.83910098711947e-08
SKCM	PHF20	cg21765224	-0.16105343157201	473	-3.53397237212031	0.000449942946917242	0.02593820782112	0.00343030788048607
SKCM	PHF20	cg23538717	0.0105559049815635	473	0.228615720622911	0.819267252867996	0.000111427129979797	0.902758790196148
SKCM	PHF20	cg23734815	-0.0557479740510876	473	-1.2091812927192	0.227202407904168	0.00310783661080073	0.416813680473927
SKCM	PHF20	cg25561939	0.112083216483025	473	2.44271180408271	0.0149454052251513	0.0125626474171806	0.0582191069203091
SKCM	PHF20	cg27405321	-0.109179494107703	466	-2.36083723734034	0.0186481378443155	0.0119201619336139	0.0689863158238947
SKCM	PHF20L1	cg02898212	0.29648175175384	473	6.72300604467077	5.18594515083411e-11	0.0879014291230258	2.16667785748652e-09
SKCM	PHF20L1	cg05307234	-0.201108752702197	473	-4.44613245281121	1.09260390828394e-05	0.0404447304134335	0.000141616175343287
SKCM	PHF20L1	cg10591701	-0.373401982842457	473	-8.71705323073804	4.96485939873797e-17	0.139429040790679	4.95174707776181e-15
SKCM	PHF20L1	cg17646969	-0.0348630216504194	473	-0.755467063327832	0.450348020058887	0.00121543027859761	0.641186135052775
SKCM	PHF20L1	cg24511731	-0.0938707203422281	473	-2.04191890985752	0.0417184836757825	0.00881171213756879	0.126237804623821
SKCM	PHF20L1	cg26292018	0.0460075155020989	473	0.997413686571943	0.319078069724864	0.00211669148267587	0.518470886946387
SKCM	PHF20L1	cg27342122	0.013351480076535	473	0.28917087288169	0.772578398530452	0.00017826202023411	0.873905312113269
SKCM	PHF21B	cg01775414	-0.0742322857724902	473	-1.61205234291772	0.107623241163544	0.00551043225100865	0.251118447362907
SKCM	PHF21B	cg01995480	-0.0721997508581258	473	-1.56767858907547	0.117630580921342	0.00521280402397543	0.267106591906404
SKCM	PHF21B	cg05064352	-0.0620700814049622	473	-1.34681192830983	0.178691246173215	0.00385269500561864	0.355327099964191
SKCM	PHF21B	cg10080155	-0.0360240174220684	473	-0.780657518604843	0.435397785628378	0.00129772983122548	0.628668331153967
SKCM	PHF21B	cg11428482	-0.0423136074557441	473	-0.917182188045989	0.359518571150913	0.0017904413759188	0.558439313622387
SKCM	PHF21B	cg14786713	0.0121865109841123	473	0.263935651276832	0.791945435470343	0.00014851104996589	0.885830180261109
SKCM	PHF21B	cg15679813	-0.0534495613242746	473	-1.15918249104311	0.246971643545927	0.00285685560575739	0.440182555556983
SKCM	PHF21B	cg20495645	-0.0542291820158537	473	-1.17613995387456	0.240135599465396	0.00294080418210859	0.432112990951402
SKCM	PHF21B	cg20525183	-0.0299035724934546	473	-0.647893707149652	0.517370738502533	0.000894223647871293	0.698283093583616
SKCM	PHF21B	cg21715212	-0.00665034021653455	473	-0.144025664870834	0.885542067794004	4.42270249956568e-05	0.939360208652751
SKCM	PHF21B	cg23080354	-0.0391668027813269	473	-0.848863598928177	0.396390251026261	0.00153403844011135	0.593003657397684
SKCM	PHF21B	cg25561581	-0.0290743984854679	473	-0.629913326605275	0.529058050016887	0.000845320647291778	0.707337911790353
SKCM	PHF21B	cg25976257	-0.0457454088945365	473	-0.991719431778635	0.321845777326425	0.00209264243492834	0.521281472410149

SKCM	PHF23	cg00039960	0.0812756467104798	473	1.76598101358317	0.0780495781526763	0.00660573074820673	0.199336470216983
SKCM	PHF23	cg01441172	0.0996724486427864	473	2.16934990263329	0.0305577122532711	0.00993459701844889	0.100063419919644
SKCM	PHF23	cg04379155	-0.109678982279957	473	-2.38966949769557	0.0172575291082573	0.0120294791539671	0.0650083254650659
SKCM	PHF23	cg11180288	0.113753656256634	473	2.47959062874098	0.0135035415020483	0.0129398943117523	0.0538798024111578
SKCM	PHF23	cg13351208	0.0430986789672921	473	0.934230636742362	0.350665670477947	0.0018574961287257	0.549661196235371
SKCM	PHF23	cg22033559	-0.146838526698989	473	-3.2148423804835	0.00139521660511202	0.0215615529231297	0.00885675076116563
SKCM	PHF23	cg26213471	-0.15015243367804	473	-3.28905077595992	0.00108089180016603	0.0225457533394381	0.00716303745652238
SKCM	PHF23	cg26784276	0.154641348655819	473	3.38975255097967	0.000758613769803922	0.0239139467140907	0.00532824120694532
SKCM	PHIP	cg01492710	0.293252373340113	473	6.64284525319613	8.54673544541373e-11	0.0859969544696091	3.46113866340716e-09
SKCM	PHIP	cg04480383	-0.301811190779437	473	-6.85585017538652	2.24271721540607e-11	0.0910899948797016	9.95264934713633e-10
SKCM	PHIP	cg05801338	-0.329622332308817	473	-7.56099811518974	2.12354815986798e-13	0.108650881956704	1.33332772840008e-11
SKCM	PHIP	cg06848288	0.160483510282609	473	3.52113546998775	0.000471701923442204	0.0257549570726284	0.00357030350576599
SKCM	PHIP	cg08287994	-0.302183963771669	473	-6.86516833648121	2.11363461331675e-11	0.0913151479607574	9.41202582188686e-10
SKCM	PHIP	cg08587415	-0.333446279184033	473	-7.65961527432454	1.07675787680559e-13	0.111186421101676	7.11080664416079e-12
SKCM	PHIP	cg15564972	-0.0556290534585996	473	-1.20659387300101	0.228196843413653	0.00309459158869973	0.418076050033481
SKCM	PHIP	cg19494004	-0.28213428082189	473	-6.36874582143182	4.55125360691941e-10	0.0795997524148848	1.59918799953337e-08
SKCM	PHIP	cg19950079	0.0600202171244532	473	1.30216990178521	0.193497442403252	0.0036024264636665	0.374572452311122
SKCM	PHIP	cg21607066	0.0904169707139677	473	1.96616019020094	0.0498694942123083	0.00817522859309048	0.144015375120291
SKCM	PHIP	cg21875336	-0.36241780167937	473	-8.42117508536266	4.57632311886791e-16	0.131346662974107	4.04557364442284e-14
SKCM	PHIP	cg26363168	-0.048601260066506	473	-1.05377399528887	0.292528976731926	0.00236208248005215	0.49022013734616
SKCM	PHRF1	cg06063517	0.0129866450044851	473	0.281267799852796	0.77862905426553	0.000168652948472518	0.877597668065265
SKCM	PHRF1	cg07530960	-0.216864064201475	473	-4.81098944912953	2.0276811269215e-06	0.0470300223419816	3.1983257418437e-05
SKCM	PHRF1	cg08482978	-0.174652991642488	473	-3.84139852414986	0.000139157508546837	0.0305036674896709	0.00127750993862316
SKCM	PHRF1	cg12469954	-0.250996311346692	473	-5.61543969495694	3.3628484890473e-08	0.0629991483096457	8.17018848710012e-07
SKCM	PHRF1	cg12813709	-0.0832431035851742	473	-1.80902523848773	0.0710872699398961	0.00692941429449204	0.186445604588661
SKCM	PHRF1	cg15219216	0.15161123346589	473	3.32175350106896	0.000964423665597617	0.0229859661130485	0.00651440259108284
SKCM	PHRF1	cg16143007	-0.164749003425356	473	-3.61730011809884	0.000330001001983466	0.027142234129648	0.00264578975041758
SKCM	PHRF1	cg18793109	-0.173495433886881	473	-3.81514580369081	0.000154315301580031	0.0301006655795971	0.00139590750826941
SKCM	PHRF1	cg20152424	0.0517666819602613	473	1.12258553185264	0.26218791534159	0.00267978936117484	0.457570142814153
SKCM	PHRF1	cg21006161	-0.142892586390465	473	-3.12662491936712	0.00187811441843143	0.0204182912453566	0.0112945294579047
SKCM	PPARGC	cg04893087	-0.158953908168673	473	-3.48670055558248	0.000535032444297755	0.0252663449220951	0.00396932233184241
SKCM	PPARGC	cg05158538	-0.238479170916574	454	-5.20920517467725	2.89276971131633e-07	0.0568723149610565	5.63304447865187e-06
SKCM	PPARGC	cg11270806	-0.20187200568349	473	-4.46372198522353	1.00996880856908e-05	0.0407523066786752	0.000132071799451711
SKCM	PPARGC	cg12691631	-0.225461053171836	473	-5.011717130336643	7.65863410504423e-07	0.0508326864973533	1.34764935889575e-05
SKCM	PPARGC	cg20723350	-0.256367551437876	473	-5.74396725180546	1.66499434481738e-08	0.065724321430252	4.34798825312934e-07
SKCM	PPARGC	cg27461259	-0.196488697942285	473	-4.33983982523481	1.74764101386245e-05	0.0386078084190544	0.000212939793770636
SKCM	PPARGC	cg27514608	-0.213925939326515	473	-4.74266053677887	2.80315354764667e-06	0.0457643075167317	4.25998294756056e-05
SKCM	PRDM1	cg00555933	-0.208166688972856	472	-4.60419647984644	5.34227368669667e-06	0.0433333703979218	7.54259236266571e-05
SKCM	PRDM1	cg01761420	-0.135705425599411	473	-2.9663329035741	0.00316758872394874	0.0184159625371173	0.0172140689619887
SKCM	PRDM1	cg05170275	-0.131296560694418	473	-2.86824184455012	0.00431369098574236	0.0172387868501831	0.0220529195337347
SKCM	PRDM1	cg08742502	-0.232021249593726	473	-5.16571547535511	3.54836815486977e-07	0.053833860263034	6.77070768309882e-06
SKCM	PRDM1	cg14359052	-0.237535601923265	473	-5.29573807087915	1.82563717922495e-07	0.0564231621810476	3.74337424145035e-06
SKCM	PRDM1	cg17143179	-0.256099906308383	473	-5.73754946364857	1.72500700438941e-08	0.0655871620111625	4.49715800601442e-07
SKCM	PRDM1	cg17521665	-0.225867293479822	473	-5.02123250900153	7.30718654144875e-07	0.0510160342638999	1.29279154567157e-05
SKCM	PRDM1	cg17965230	-0.145953694158589	473	-3.19504713365091	0.00149232068931941	0.0213024808385389	0.00936389705637312
SKCM	PRDM1	cg19464016	-0.194073875670287	473	-4.28440270565302	2.22433922308015e-05	0.037664669217686	0.000262819327946989
SKCM	PRDM1	cg22186515	-0.197399037352084	473	-4.36075975834684	1.59452358622084e-05	0.0389663799475295	0.000196397035887372
SKCM	PRDM1	cg22196848	-0.148397424789849	473	-3.24973687082621	0.00123814651556427	0.022021795684259	0.00801898070068178
SKCM	PRDM1	cg24040346	-0.17074907328288	473	-3.75292497542555	0.000196699446018709	0.0291552460269625	0.00171221178287786
SKCM	PRDM1	cg24793124	-0.133258164838313	472	-2.90875703496757	0.00380133952544379	0.017757738496075	0.0199326912269058
SKCM	PRDM1	cg24874254	-0.224102064121717	473	-4.97990622354204	8.95617055426806e-07	0.0502217351436143	1.55244280770662e-05
SKCM	PRDM1	cg26351406	-0.166866267945252	473	-3.66511049509394	0.000275477563306163	0.0278443513779765	0.00227403454582339
SKCM	PRDM10	cg04181189	-0.0204139961743106	473	-0.442185972499433	0.65855847015645	0.000416731239804768	0.801287167482848
SKCM	PRDM10	cg17627813	0.00773955878051533	473	0.167616061598123	0.866957584506063	5.99007701170519e-05	0.929302078250977
SKCM	PRDM12	cg09191327	-0.0202804966930141	473	-0.439293056921325	0.660651531102644	0.000411298546115356	0.802539427122131
SKCM	PRDM12	cg12539975	-0.0383115717250886	473	-0.830300593420986	0.406791300167024	0.00146777652804661	0.602951746312155
SKCM	PRDM12	cg13795948	0.145772284097521	473	3.19098964378801	0.00151298035716661	0.0212495588110085	0.00946680559039805

SKCM	PRDM12	cg13928649	0.0818250252483889	475	1.77799826046359	0.0760519642280277	0.00669533475689949	0.195848472480227
SKCM	PRDM12	cg23342516	0.13532792548332	475	2.95792711786138	0.00325360456545171	0.018313647415619	0.0175816784665038
SKCM	PRDM13	cg00126261	0.502522641524028	475	12.5876564964514	1.66016970351922e-31	0.252529005244287	4.87363177039901e-29
SKCM	PRDM13	cg00579292	0.449272887111585	475	10.890637914409	8.89923441447717e-25	0.201846127093579	1.7935415596887e-22
SKCM	PRDM13	cg01422797	0.353807168335287	475	8.19206852453534	2.46108411206281e-15	0.125179512365434	1.9922744788118e-13
SKCM	PRDM13	cg01815538	0.339793368987981	475	7.82424548202751	3.41515676760133e-14	0.115459533608202	2.3999883069447e-12
SKCM	PRDM13	cg02400433	0.280117341559828	475	6.31932470219265	6.11645297848554e-10	0.0784657250425453	2.09891196739437e-08
SKCM	PRDM13	cg03120185	0.399002435176809	475	9.42358986136158	1.99750622433475e-19	0.159202943277024	2.51854131630304e-17
SKCM	PRDM13	cg04910970	0.305705832889301	475	6.95337602925418	1.2022084192683e-11	0.0934560562625415	5.63401215473242e-10
SKCM	PRDM13	cg11809464	0.44389981261402	475	10.7281869345542	3.67270658537029e-24	0.197047043638762	6.86813788707442e-22
SKCM	PRDM13	cg13738144	0.256874675082249	475	5.75613130861046	1.55677972847271e-08	0.0659845986986109	4.08872796072945e-07
SKCM	PRDM13	cg14344102	0.403704788175999	475	9.55612385908757	6.87536053203436e-20	0.162977555996228	9.11178530202864e-18
SKCM	PRDM13	cg17879189	0.361852680175483	475	8.40606367383378	5.11858032725638e-16	0.130937362150181	4.49429839704947e-14
SKCM	PRDM13	cg17978124	0.353695726220888	475	8.18911916315	2.51441711103917e-15	0.125100666746921	2.0333227376488e-13
SKCM	PRDM13	cg25273233	0.408165441636991	475	9.68268160617033	2.46066747679275e-20	0.16659902774672	3.38805602990469e-18
SKCM	PRDM13	cg25924096	0.471819197008337	475	11.5889340306552	1.75217772827871e-27	0.222613354665592	4.22009022271561e-25
SKCM	PRDM13	cg26507427	0.393812518046653	475	9.27833985129078	6.35626185090927e-19	0.155088299370245	7.60736976045594e-17
SKCM	PRDM14	cg00384539	-0.0173057167172918	471	-0.374835792562862	0.707952028789589	0.000299487831099152	0.83352040948664
SKCM	PRDM14	cg01295203	0.0877896809641325	471	1.90857809215599	0.05692669995737	0.00770702808378417	0.158473991643716
SKCM	PRDM14	cg04838988	0.0908374928188712	471	1.97538054934695	0.0488108330153077	0.00825145010161848	0.141736624374726
SKCM	PRDM14	cg09050331	0.0375325821035754	471	0.813394018698143	0.416404924035377	0.00140869471936163	0.611954371595507
SKCM	PRDM14	cg10457247	-0.00171305508645033	471	-0.0370986740176377	0.970422114402774	2.93455772921335e-06	0.984351371505497
SKCM	PRDM14	cg11229513	0.030200632829759	471	0.654323340725323	0.513224236905972	0.000912043822295747	0.694905522788968
SKCM	PRDM14	cg13267264	-0.00829314649929488	471	-0.179605939183935	0.857539511530293	6.87762788587669e-05	0.92419861684867
SKCM	PRDM14	cg18035229	0.0681346125323996	471	1.4789879213175	0.139814857060893	0.00464232542494023	0.301070030453542
SKCM	PRDM14	cg21255438	0.0262349156474494	471	0.568349655488607	0.570069583396815	0.000688270799028785	0.73816130712515
SKCM	PRDM14	cg27029821	0.0147226623162509	471	0.318874540413494	0.749963614891338	0.000216756785678355	0.859955347144833
SKCM	PRDM4	cg00090609	-0.0414182877176778	475	-0.897741687375087	0.369783896588515	0.00171547455746434	0.568444104325943
SKCM	PRDM4	cg03909902	-0.15661294115367	475	-3.43404970499947	0.000647400041590426	0.0245276133368028	0.00466720775048518
SKCM	PRDM4	cg12900929	-0.194878756296716	475	-4.30287131323082	2.05319297346149e-05	0.0379777296557548	0.000245166683311532
SKCM	PRDM4	cg18440127	-0.0293276143332822	475	-0.63540409377649	0.525474789558428	0.000860108962481738	0.704405868711049
SKCM	PRDM4	cg25995916	-0.0353528662809819	475	-0.766094982128599	0.444005184660906	0.00124982515428099	0.636031070313413
SKCM	PRDM4	cg27140793	0.154228919662206	475	3.38049148617788	0.000784009106827866	0.0237865596601711	0.00547546498398124
SKCM	PRDM5	cg05713693	-0.158525679354344	475	-3.47706475247613	0.000554128205537442	0.0251303910147563	0.00409031688220701
SKCM	PRDM5	cg06329345	-0.251255317129379	475	-5.62162457269636	3.25196378228806e-08	0.0631292343857848	7.9305963549598e-07
SKCM	PRDM5	cg07070341	-0.237612951946216	475	-5.29756572347385	1.80848675001818e-07	0.0564599149325949	3.71310156323342e-06
SKCM	PRDM5	cg10416963	-0.301108082618514	475	-6.83828407782119	2.50745257874214e-11	0.0906660774181977	1.10518280969216e-09
SKCM	PRDM5	cg11171429	-0.213272994947133	475	-4.72749408897177	3.01049156945977e-06	0.0454853703737197	4.52819375782199e-05
SKCM	PRDM5	cg13155001	-0.208318379265299	475	-4.61262381940185	5.13644412114395e-06	0.0433965471397208	7.28967739631418e-05
SKCM	PRDM5	cg18181323	-0.238912149670294	475	-5.32827960678917	1.54260290392686e-07	0.0570790152600811	3.2095547020082e-06
SKCM	PRDM5	cg19294653	-0.241391012794581	475	-5.38696592005199	1.13600552367755e-07	0.0582696210579936	2.43724251817351e-06
SKCM	PRDM5	cg22135105	-0.277896259822909	475	-6.26500650561817	8.4462945888599e-10	0.0772263312235617	2.84077406504871e-08
SKCM	PRDM8	cg01304890	-0.115819311497445	475	-2.52522424799464	0.0118909651574476	0.0134141129157422	0.0488073520528928
SKCM	PRDM8	cg02895669	-0.0387061045107512	475	-0.838863797388944	0.40197309390557	0.00149816252639719	0.59851511820058
SKCM	PRDM8	cg04343891	-0.123086250059307	475	-2.68603066841051	0.00748716415743649	0.0151502249536623	0.0341255332983797
SKCM	PRDM8	cg05007549	0.0246118367539552	475	0.533165479091279	0.594171586329578	0.00060574250840334	0.755870938033054
SKCM	PRDM8	cg07462804	-0.0124313268286138	475	-0.269238688232742	0.78786441632557	0.000154537886719814	0.88314468672831
SKCM	PRDM8	cg08074201	-0.0609551302825177	475	-1.32252839262721	0.186636803444206	0.00371552790775871	0.3656629291025
SKCM	PRDM8	cg10695325	-0.0695796521633663	475	-1.51050618794409	0.131587738541917	0.00484132799517504	0.288525339477053
SKCM	PRDM8	cg11571772	-0.0208695309565028	475	-0.452057528251035	0.651436537730891	0.000435537322344428	0.796308260653304
SKCM	PRDM8	cg12572049	-0.0880821303796297	475	-1.9149856742653	0.0561022925025445	0.00775846169221408	0.156790549753662
SKCM	PRDM8	cg14489346	-0.0209378454854028	475	-0.453537945778458	0.650371201283241	0.000438393373570602	0.795468480482807
SKCM	PRDM8	cg15656813	-0.0391940114509395	475	-0.849454200404061	0.396061996148131	0.00153617053361638	0.592751960914731
SKCM	PRDM8	cg16117799	-0.0977152144515101	475	-2.12633629281658	0.0339968771544321	0.00954826313530462	0.108378193720112
SKCM	PRDM8	cg18624348	-0.0391022852276076	475	-0.8474631645299	0.397169267349491	0.00152898871002118	0.5937902136625
SKCM	PRDM8	cg19595012	-0.0930507513180513	475	-2.02392609180791	0.0435441915400158	0.00865844232085383	0.13035274701443
SKCM	PRDM8	cg20142271	-0.0634312418015044	475	-1.37646475089565	0.169334574130575	0.00402352243648093	0.342802484123919

SKCM	PRDM8	cg26162932	-0.0722652764064474	473	-1.56910881585022	0.117296984076533	0.00522227017410024	0.266579070384161
SKCM	PRKAA1	cg00301775	-0.168650065297866	473	-3.70543123163617	0.000236198724767499	0.0284428445249746	0.00199550153347753
SKCM	PRKAA1	cg01883943	-0.10300532477043	473	-2.24265443879559	0.0253854763734169	0.0106100969310618	0.0871893045913286
SKCM	PRKAA1	cg03125217	0.105472020592188	473	2.29695689566331	0.0220609661160827	0.0111243471277989	0.0784302530863054
SKCM	PRKAA1	cg05874655	0.0962265677117651	473	2.09363740967575	0.0368287022174586	0.00925955233358691	0.115201128279251
SKCM	PRKAA1	cg06971720	-0.0237247973386662	473	-0.513938546423919	0.607537009406334	0.000562866008760783	0.765495937263788
SKCM	PRKAA1	cg10786880	-0.0858982102951736	473	-1.86714780479727	0.0625045766616062	0.00737850253191387	0.169625376292925
SKCM	PRKAA1	cg24728477	-0.00098080307289855	473	-0.0212406815618612	0.983062695930584	9.61974667807243e-07	0.991216913306494
SKCM	PRKCD	cg02121118	-0.0713561947281974	473	-1.54926809681853	0.121991784161241	0.00509170652608843	0.273777661465486
SKCM	PRKCD	cg02559423	-0.0104128720876165	473	-0.225517631120765	0.821674846283281	0.000108427905113063	0.90427474241401
SKCM	PRKCD	cg02630105	-0.0149867566963691	473	-0.324595769650013	0.745631756364911	0.000224602876276165	0.857108529680417
SKCM	PRKCD	cg10531918	0.158744721333627	473	3.48199328008783	0.000544282910727801	0.025199886551291	0.00402911264222653
SKCM	PRKCD	cg13469346	0.00124509929917405	473	0.0269643991099944	0.978499598465977	1.55027226480371e-06	0.98884642456563
SKCM	PRKCD	cg13889007	0.0306579844798946	473	0.664254058644244	0.506854152429184	0.00093991201236946	0.689725229745241
SKCM	PRKCD	cg13908523	-0.0386754532941573	473	-0.838198508819204	0.402346192778086	0.00149579068750854	0.598884886747635
SKCM	PRKCD	cg14727059	-0.103557208889694	473	-2.25480008443599	0.0246063211662787	0.0107240955130238	0.0851828146728646
SKCM	PRKCD	cg21903826	-0.0473924955250587	473	-1.02750577369762	0.30471199839817	0.00224604863209271	0.503221780736791
SKCM	PRMT1	cg07702240	0.0717980090888488	473	1.55891021296219	0.119692137175887	0.00515495410912241	0.270258962549671
SKCM	PRMT1	cg08377944	-0.0107368151993351	473	-0.232534252295192	0.816224525052447	0.000115279200624672	0.901080926121502
SKCM	PRMT1	cg11787855	0.111565842458731	473	2.43129384405645	0.0154185994069247	0.0124469372035265	0.0596579796745585
SKCM	PRMT1	cg14258555	0.0150084301543687	473	0.325065297301346	0.745276606873947	0.000225252975698564	0.856966201391647
SKCM	PRMT1	cg14576628	-0.0999873039361271	473	-2.17627175392337	0.0300332560389406	0.00999746094841545	0.0987853114577656
SKCM	PRMT1	cg18880319	-0.0689470450507117	473	-1.49670700829034	0.135142150910395	0.00475369502122487	0.293918908306693
SKCM	PRMT1	cg22292364	0.0346675847211544	473	0.751226916656694	0.452892876315716	0.00120184143039842	0.643289970970893
SKCM	PRMT1	cg24228123	-0.125539189275541	473	-2.74040817848215	0.00637042536579162	0.0157600880439602	0.0300680057581843
SKCM	PRMT1	cg25595446	-0.185016960939143	473	-4.07719418291294	5.3543471164393e-05	0.0342312758351562	0.000562962670058493
SKCM	PRMT1	cg26846726	0.0149386863127989	473	0.323554388116768	0.746419648079593	0.000223164348752205	0.857598547097041
SKCM	PRMT2	cg04493422	0.125961277067549	473	2.74977026967574	0.00619409770714168	0.0158662433204878	0.0294142129794518
SKCM	PRMT2	cg06725035	-0.248354935937987	442	-5.36579905617098	1.30865804284194e-07	0.0616801742047617	2.7732428162584e-06
SKCM	PRMT2	cg09031657	-0.0902824682606525	473	-1.963211316194	0.0502121275318639	0.00815092407523573	0.144716772889205
SKCM	PRMT2	cg10187059	-0.189989967700458	473	-4.19083190284151	3.32231757885495e-05	0.0360961878268211	0.000372415524105824
SKCM	PRMT2	cg10657630	-0.0145860586400126	473	-0.315915242269221	0.752207380793695	0.000212753106649885	0.861218611292106
SKCM	PRMT2	cg12162201	-0.202135374189561	473	-4.46979340471171	9.82861835357149e-06	0.0408587094987539	0.000128873678779326
SKCM	PRMT2	cg13271076	0.0743390585536326	473	1.61438393098133	0.107116715689874	0.00552629562664041	0.250188782549556
SKCM	PRMT2	cg17243659	-0.209669696883639	472	-4.63896265270046	4.55112095235327e-06	0.0439613817912772	6.55162663522151e-05
SKCM	PRMT2	cg23283320	-0.21813739044845	472	-4.83548099411332	1.8049007807557e-06	0.0475839211116597	2.88554154003513e-05
SKCM	PRMT3	cg01769160	-0.0314692872332802	473	-0.681849425212003	0.495670742162213	0.000990316038970694	0.68055435431993
SKCM	PRMT3	cg04101203	-0.0363296126598329	473	-0.787288627335864	0.431510596132735	0.00131984075601349	0.625402169222148
SKCM	PRMT3	cg06578097	-0.215485756990968	472	-4.77382113518504	2.42090008152767e-06	0.0464341114659704	3.74044689061299e-05
SKCM	PRMT3	cg13432154	-0.158162743339407	473	-3.46889971326183	0.000570805821901524	0.025015453380647	0.00419352801104987
SKCM	PRMT3	cg13982511	-0.0589005763168432	473	-1.2777933378567	0.201954401667232	0.00346927789045627	0.385381331059451
SKCM	PRMT3	cg19653624	-0.155233947643458	472	-3.39943256617532	0.000733016388188579	0.0240975785009718	0.00518025771282179
SKCM	PRMT3	cg23019633	-0.125544904085497	473	-2.74053492534845	0.00636800823664594	0.0157615229418365	0.0300584207731105
SKCM	PRMT3	cg23071995	-0.0963201871686249	473	-2.09569338843434	0.0366448900655632	0.00927757845619893	0.11475044172075
SKCM	PRMT6	cg00944433	-0.223668455947092	473	-4.96976281443043	9.41282881436871e-07	0.0500275781857562	1.62440570505682e-05
SKCM	PRMT6	cg02990361	-0.0811048214903662	473	-1.76224466973441	0.078679329893675	0.00657799206898417	0.200490674104902
SKCM	PRMT6	cg02993280	-0.120365152190113	473	-2.62576697357239	0.00892796153515027	0.014487769861749	0.0391071846348348
SKCM	PRMT6	cg09367891	-0.136328225597102	473	-2.9802036545259	0.00303018582798851	0.0185853850944543	0.0165966169580546
SKCM	PRMT6	cg14671364	0.037734081812774	473	0.817767065417011	0.413905459630973	0.00142386093025312	0.609497809891893
SKCM	PRMT6	cg14828511	0.0229011347074465	473	0.496086419233502	0.62006583974871	0.000524461970888611	0.774686462129397
SKCM	PRMT6	cg22528358	-0.0495064978892431	473	-1.07344917011735	0.283621623317571	0.00245089333325763	0.480866109414331
SKCM	PRMT7	cg00894222	-0.189011432891741	473	-4.16844537469776	3.65299802848243e-05	0.0357253217637892	0.000404471005732654
SKCM	PRMT7	cg02477175	-0.0215212251397618	473	-0.466180399869053	0.641302817329413	0.000463163131516315	0.789267819017475
SKCM	PRMT7	cg06089844	-0.0695835224494373	473	-1.51059061685104	0.131566217162552	0.00484186659647134	0.288506660783164
SKCM	PRMT7	cg06092312	0.096154258479679	473	2.09204946357859	0.0369712091944027	0.00924564142377693	0.115516838624362
SKCM	PRMT7	cg06745885	-0.143535961366917	473	-3.14099803172824	0.0017901599564097	0.0206025722055251	0.0108570752045635
SKCM	PRMT7	cg09175928	-0.28526426622491	473	-6.44562195532152	2.86330827461329e-10	0.0813757015848361	1.04625741622953e-08

SKCM	PRMT7	cg09779635	-0.098489446917716	475	-2.14334838462194	0.0325988920033147	0.0097001711541576	0.104997234484572
SKCM	PRMT7	cg10233539	0.0847834973482238	475	1.84274097409435	0.0659977647676391	0.00718824142259627	0.176500742972729
SKCM	PRMT7	cg10446007	-0.0602748913704141	475	-1.3077152965286	0.191610539953189	0.00363306252971522	0.372070684721332
SKCM	PRMT7	cg11893236	-0.0996475876108485	475	-2.16880338004625	0.0305994553845886	0.00992964171666173	0.100153737470073
SKCM	PRMT7	cg19328639	-0.0112420622570815	475	-0.243478071411881	0.807741530044427	0.000126383963792097	0.895886703696008
SKCM	PRMT7	cg21918026	-0.0146324517470893	475	-0.31692027205534	0.751445121684461	0.000214108644130895	0.860808435595787
SKCM	PRMT7	cg26492318	-0.136284255353723	475	-2.97922424904345	0.00303970582884892	0.0185733982573187	0.0166353060323231
SKCM	PRMT7	cg26561196	0.0206029710876823	475	0.446281073625656	0.655600198646148	0.000424482417639875	0.799187706308326
SKCM	PRMT7	cg26796563	-0.0677505513647583	475	-1.47061260976109	0.142066476997855	0.00459013721022875	0.304359977736592
SKCM	PRMT8	cg01693063	0.0340251839023368	471	0.737290167854548	0.461314595703468	0.00115771313958784	0.650890664142405
SKCM	PRMT8	cg06029846	0.130759268909231	471	2.85629982121818	0.00447639722866882	0.0170979864056766	0.0227027085212245
SKCM	PRMT8	cg07912789	0.0791182369740344	471	1.71880484905428	0.0863098006476043	0.00625969542187946	0.214428021319571
SKCM	PRMT8	cg10350722	0.0108354574712023	471	0.23467086241775	0.814566620855254	0.000117407138610234	0.900208766536639
SKCM	PRMT8	cg11596580	0.06497516024317	471	1.41010829462217	0.159170538646882	0.00422177144862562	0.328614444449555
SKCM	PRMT8	cg19656577	0.0497914490451499	471	1.07964307666537	0.280856053097624	0.00247918839801576	0.478019908257505
SKCM	PRMT8	cg21667836	0.143598545827728	471	3.14239639649745	0.00178180876350791	0.020620542363838	0.010822457132131
SKCM	PRMT8	cg23739862	0.039535394717253	470	0.8555950564362773	0.392463144957699	0.001563047435449	0.589406909244001
SKCM	PRMT8	cg24100636	0.148198018420883	471	3.2452719683124	0.00125728762668777	0.0219626526638763	0.00812303244170324
SKCM	PRMT8	cg27316886	0.00857491632061616	471	0.185708712558837	0.852753484718239	7.35291899055693e-05	0.921544397245133
SKCM	PWWP2E	cg00259755	-0.157687020453789	475	-3.45819947006917	0.000593372131364126	0.0248651964195938	0.00433556791465585
SKCM	PWWP2E	cg05010219	-0.0711384608778632	475	-1.54451663072265	0.123137683070567	0.00506068061607128	0.27560988913864
SKCM	PWWP2E	cg15012692	-0.131091227671299	475	-2.86367774245989	0.00437522948751063	0.0171849099723683	0.0223074192391796
SKCM	PWWP2E	cg15278699	-0.191178978440702	475	-4.2180510601296	2.95861346447802e-05	0.0365494017976305	0.000336740857140604
SKCM	PWWP2E	cg19919881	-0.0293996873657307	475	-0.636966957633896	0.524457150352676	0.000864341617202706	0.703623688100993
SKCM	PWWP2E	cg22633292	-0.238682384289019	475	-5.32284560029247	1.58670682921386e-07	0.0569692805698907	3.29426931069824e-06
SKCM	PWWP2E	cg22664157	-0.173957808864827	475	-3.82563023033479	0.00014808374578245	0.0302613192650515	0.00134721400063149
SKCM	PWWP2E	cg24520806	-0.177956902097229	475	-3.91642003869694	0.000103222555532678	0.0316686590040426	0.000989833329572894
SKCM	PYGO1	cg06364757	-0.317149757945507	475	-7.24219965809952	1.82278894404044e-12	0.100583968964894	9.96500654340701e-11
SKCM	PYGO1	cg09275667	-0.279644959069967	475	-6.30776306071401	6.55262221282333e-10	0.0782013031332437	2.23772911512019e-08
SKCM	PYGO1	cg11480800	-0.290342540302378	475	-6.57082952320784	1.33345150087662e-10	0.084298790709238	5.19972561700231e-09
SKCM	PYGO1	cg12686317	-0.132846822775624	475	-2.90271293437667	0.00387375178998826	0.0176482783215781	0.020241445912839
SKCM	PYGO1	cg13878116	-0.0938137045091396	475	-2.04066765972519	0.0418433087344205	0.00880101115372816	0.12651748157952
SKCM	PYGO1	cg17841803	-0.250116785251401	475	-5.59444682069076	3.7673392317566e-08	0.0625584062644953	9.08482294467679e-07
SKCM	PYGO1	cg19850348	-0.153068388253543	472	-3.35086345636552	0.000870812722317107	0.0234299314825373	0.00597982080866361
SKCM	PYGO1	cg22510134	-0.0672164568164049	475	-1.45896657615869	0.145243700662919	0.00451805206695163	0.309039123936632
SKCM	PYGO1	cg23030278	-0.253701949347261	475	-5.68011229004828	2.36480193794844e-08	0.0643646791026001	5.98462595838519e-07
SKCM	PYGO1	cg23412777	-0.0420733697566438	475	-0.911965578000919	0.362255351185786	0.00177016844267927	0.561148476338673
SKCM	PYGO1	cg25902187	-0.180861491031282	475	-3.98248708922166	7.90301387973233e-05	0.0327108789380585	0.000786625195712596
SKCM	PYGO2	cg01277844	0.216014501933648	475	4.79121806604934	2.22776491449448e-06	0.046662265045642	3.47447361183206e-05
SKCM	PYGO2	cg02341811	-0.133702198472257	475	-2.9217420382886	0.00364879683716167	0.0178762778763149	0.0192574288432941
SKCM	PYGO2	cg04602755	-0.201147444827002	475	-4.44702392806504	1.08826441317666e-05	0.0404602945604317	0.000141241978242685
SKCM	PYGO2	cg10892866	-0.0674206893135001	475	-1.46341975542113	0.144022415589725	0.0045455493475075	0.307222018656588
SKCM	PYGO2	cg14024356	0.0956757793993665	475	2.08154267026581	0.0379260403224833	0.00915385476367624	0.117734173218167
SKCM	PYGO2	cg18188585	-0.216650982286193	475	-4.80602943849097	2.0761836097001e-06	0.0469376481255724	3.26556060923999e-05
SKCM	PYGO2	cg24683561	-0.19534008493283	475	-4.31346092596254	1.96081211711102e-05	0.0381577487815654	0.000235291404964477
SKCM	PYGO2	cg27105205	-0.0815594233040806	475	-1.77218821245487	0.0770124753227459	0.0066519395296942	0.197612481158686
SKCM	RBBP4	cg05797186	-0.305015647001551	471	-6.93606520563291	1.34357736436386e-11	0.0930345449157746	6.23641154435097e-10
SKCM	RBBP4	cg06526778	-0.138450350598572	471	-3.02749391275125	0.00260171271570051	0.0191684995808675	0.0146845852865998
SKCM	RBBP4	cg09036220	-0.0407964721055556	471	-0.884241188636341	0.377019094798905	0.00166435213625938	0.575557280574305
SKCM	RBBP4	cg11229946	-0.0526288528204153	471	-1.1413336269504	0.254313530193723	0.00276979614919294	0.448435259256776
SKCM	RBBP4	cg13641837	-0.0348752205489566	471	-0.755731730197902	0.450189441893412	0.00121628100833837	0.641139696561132
SKCM	RBBP4	cg16148416	-0.031637678715051	471	-0.68550163280002	0.493366114073316	0.00100094271447679	0.67869575212144
SKCM	RBBP4	cg16396527	-0.262175549234957	471	-5.88358734045454	7.64537793940227e-09	0.0687360186166516	2.14252352816232e-07
SKCM	RBBP4	cg18758482	-0.164128352061886	471	-3.60329484011782	0.000347798281741969	0.0269381159505506	0.00276539447361352
SKCM	RBBP4	cg20740619	0.161995385810539	471	3.55519690468605	0.000416016010600753	0.0262425050239053	0.00320716970851996
SKCM	RBBP4	cg22358606	0.103162271652767	471	2.24610824967696	0.025161760875249	0.0106424542925594	0.0866427950393554
SKCM	RBBP4	cg22857567	-0.221466028111594	471	-4.91828915186138	1.20991544892905e-06	0.0490472016075252	2.02679075008585e-05

SKCM	RBBP4	cg23016766	-0.144129229925642	471	-3.15425536087176	0.00171241656271894	0.0207732349189585	0.010480350411467
SKCM	RBBP4	cg26131911	0.0581951687791048	471	1.26243785675797	0.207418638637372	0.0033866776692285	0.392356660556617
SKCM	RBBP5	cg00960017	-0.096888600462971	473	-2.10817753139631	0.0355455142858556	0.00938740089967322	0.112143228905582
SKCM	RBBP5	cg02189925	0.215783572908834	473	4.78584576063494	2.28533705996253e-06	0.0465625503373021	3.55286793051009e-05
SKCM	RBBP5	cg03143531	-0.351043588068328	473	-8.11904637465987	4.17769860579455e-15	0.123231600723886	3.27290921791724e-13
SKCM	RBBP5	cg05290904	-0.0442956431271225	473	-0.960227007723354	0.337435743035064	0.00196210400004539	0.536983113990077
SKCM	RBBP5	cg07601985	0.239462783008664	473	5.34130608269337	1.44166435394353e-07	0.0573424244462547	3.01891888965498e-06
SKCM	RBBP5	cg07972983	0.0215471035609498	473	0.466741223565001	0.640901768717203	0.000464277671866295	0.789010855846504
SKCM	RBBP5	cg14717946	-0.0721918354385716	473	-1.56750582051829	0.117670929272451	0.00521166110398981	0.26717780213969
SKCM	RBBP5	cg18131828	-0.345011402709753	473	-7.96049396417749	1.30245768457216e-14	0.119032867999751	9.64984696320063e-13
SKCM	RBBP5	cg21214746	-0.256363448649812	471	-5.7316087219058	1.78669585527417e-08	0.0657222178036247	4.64087537112516e-07
SKCM	RBBP5	cg23227967	-0.0531301844950803	473	-1.1522363685983	0.249810936194455	0.00282281650448127	0.443420539172461
SKCM	RBBP5	cg24103461	-0.0850272062319655	473	-1.84807642323844	0.0652206601451389	0.0072296257996132	0.175048336564807
SKCM	RBBP5	cg26795850	-0.0982019315654716	473	-2.13703039663769	0.0331122040524811	0.00964361936318957	0.106254622037649
SKCM	RBBP7	cg01947226	0.00129904297413441	471	0.0281326281706661	0.977568337513711	1.68751264864797e-06	0.988328995913312
SKCM	RBBP7	cg03048084	-0.11042275117656	471	-2.40607397395611	0.0165109284913776	0.0121931839774005	0.0628093482180064
SKCM	RBBP7	cg03171708	0.0109446199710588	471	0.237035350642615	0.812732865470639	0.0001197847063109	0.899076270017248
SKCM	RBBP7	cg03811055	-0.103968870649536	471	-2.2638611424605	0.0240386625830425	0.01080952606414	0.0836754985451345
SKCM	RBBP7	cg07096248	-0.0634947299908966	471	-1.37784802541016	0.168907268736737	0.00403158073661686	0.342204595658777
SKCM	RBBP7	cg08363715	-0.0936417748539824	471	-2.03689467241986	0.0422216245603755	0.00876878199780392	0.127368894875518
SKCM	RBBP7	cg14719055	-0.186855098208149	471	-4.11915895706948	4.49492142140364e-05	0.034914827726377	0.000484117287909005
SKCM	RBBP7	cg15289846	0.0142374433259673	471	0.308363134017526	0.757942944149873	0.000202704792460131	0.865022789114418
SKCM	RBBP7	cg15464143	-0.0170162275853016	471	-0.368563727321921	0.712619243238089	0.000289552001234781	0.836502065825658
SKCM	RBBP7	cg16978043	-0.0504227814220284	471	-1.09336712224482	0.274793903327989	0.00254245688633365	0.471264661800921
SKCM	RBBP7	cg17878446	0.00647696864083992	471	0.140270816663287	0.888506242052969	4.19511227744237e-05	0.940798347546871
SKCM	RBBP7	cg17880859	-0.0926465475910404	471	-2.01505806316259	0.0444686473395698	0.00858338278053892	0.132416993344861
SKCM	RBBP7	cg21122900	0.00276160242920121	471	0.0598066165212294	0.95233513078123	7.62644797697003e-06	0.974879388959734
SKCM	RING1	cg01241018	-0.118546188660141	473	-2.58551627515593	0.0100239443944006	0.0140531988458458	0.0427088611346393
SKCM	RING1	cg01878788	-0.291382405264467	473	-6.59654222979714	1.13813922822405e-10	0.0849037060977061	4.5035810335942e-09
SKCM	RING1	cg02475416	-0.164776685322393	473	-3.61792487534121	0.000329227362297194	0.027151356025835	0.0026406756802297
SKCM	RING1	cg03037740	0.0980723670297009	473	2.13418346562655	0.0333457649831605	0.00961818917480837	0.106792657408093
SKCM	RING1	cg06316695	-0.165630857148478	473	-3.6372071458111	0.000306170635783466	0.0274335808397397	0.0024867653414219
SKCM	RING1	cg06671577	0.000153586315015311	473	0.00332612791395598	0.997347553054097	2.35887561599824e-08	0.998862655969757
SKCM	RING1	cg07946923	-0.22438665348343	473	-4.98656532310036	8.66809344182589e-07	0.0503493702614927	1.50889608685031e-05
SKCM	RING1	cg08892712	-0.123867633211119	473	-2.70334713332309	0.00711377233913724	0.0153431905573244	0.0328120956569929
SKCM	RING1	cg09478665	-0.03232630352383	473	-0.700437683486642	0.484001330150294	0.00104498989951479	0.670769757122985
SKCM	RING1	cg09724776	0.0941575348946476	473	2.04821355243691	0.0410953152275676	0.00886564137743677	0.124823088896353
SKCM	RING1	cg09832551	-0.34364833246257	473	-7.92482274292374	1.67835174126518e-14	0.118094176404305	1.22596897051628e-12
SKCM	RING1	cg09869033	-0.109578020478232	473	-2.38744301033014	0.0173611171458144	0.0120073425719279	0.065299557474326
SKCM	RING1	cg10265934	0.190520026580303	473	4.20296378322236	3.15523722864603e-05	0.0362978805281595	0.000356305015191304
SKCM	RING1	cg12065531	0.0127683279439489	473	0.276538660227242	0.782256195590245	0.000163030198484227	0.879773871705592
SKCM	RING1	cg12115664	-0.324179387675986	473	-7.42134618292966	5.49302355964965e-13	0.105092275393977	3.23240752495752e-11
SKCM	RING1	cg12256228	0.0588786801781075	473	1.27731666867269	0.202122425297279	0.00346669897951587	0.385607375568985
SKCM	RING1	cg14046664	-0.290980152186955	473	-6.58659270793135	1.21014007930241e-10	0.0846694489667433	4.7714970770021e-09
SKCM	RING1	cg14363494	-0.1586695817466	473	-3.48030255148976	0.000547641762786361	0.0251760361716411	0.00405050801428049
SKCM	RING1	cg18189601	-0.357620428481258	466	-8.23110731856747	1.91199652724777e-15	0.127892370867119	1.57066375755769e-13
SKCM	RING1	cg20505183	0.027322664721786	473	0.591931758223888	0.554181515738442	0.000746528007499132	0.725962294738766
SKCM	RING1	cg24536938	0.0591567448709906	473	1.28337015080571	0.199996185348926	0.00349952046373147	0.382928186211525
SKCM	RING1	cg24550302	-0.321904403563733	473	-7.36322128506305	8.12620017064125e-13	0.103622445033723	4.66201781766125e-11
SKCM	RNF17	cg00202166	-0.552875786320906	471	-14.3691651937732	4.66010255534694e-39	0.30567163509996	1.84024374716071e-36
SKCM	RNF17	cg01405147	-0.194173893917659	471	-4.28669721144371	2.20235801618392e-05	0.0377035010791465	0.000260578311043364
SKCM	RNF17	cg07131398	-0.256284142451365	457	-5.65561677115605	2.74767140931606e-08	0.0656815616720314	6.84664796977365e-07
SKCM	RNF17	cg12020676	-0.252169067693315	471	-5.64345460693257	2.88831435093454e-08	0.0635892387013158	7.1718329593553e-07
SKCM	RNF17	cg14855529	-0.205056935984281	471	-4.53721218268033	7.25082367241156e-06	0.0420483469952614	9.83901232812812e-05
SKCM	RNF17	cg15523998	-0.39967154988063	471	-9.44239416473746	1.71801985881225e-19	0.159737347783985	2.18742449912341e-17
SKCM	RNF17	cg17806989	-0.631555965063832	471	-17.640525169447	8.58259204846676e-54	0.398862937007708	5.90862093644622e-51
SKCM	RNF17	cg20477497	-0.294768764942843	471	-6.68045444137564	6.76484140266364e-11	0.0868886247859288	2.77711911387238e-09

SKCM	RNF17	cg21831927	-0.327859633746097	471	-7.5156802877922	2.89492026300866e-13	0.107491939440125	1.78029586514226e-11
SKCM	RNF17	cg23678722	-0.257739894106009	471	-5.77689653384332	1.38767655264855e-08	0.066429853013777	3.67561830904804e-07
SKCM	RNF17	cg24753530	-0.332183747520567	471	-7.62700873960955	1.34882000798699e-13	0.110346042116808	8.77342004191806e-12
SKCM	RNF20	cg04845236	-0.0313750354495322	473	-0.679805243398623	0.496963180641142	0.000984392849459405	0.681519710103991
SKCM	RNF20	cg14625770	0.00840982899967684	473	0.182133127395268	0.855556946555563	7.07252238038056e-05	0.923155807335087
SKCM	RNF20	cg21219529	0.19842494255409	473	4.38434950738649	1.43726005973189e-05	0.0393724578275941	0.000179672519824493
SKCM	RNF217	cg00991794	-0.219987785127733	473	-4.88378509929573	1.42992823225906e-06	0.0483946256054054	2.34386508428911e-05
SKCM	RNF217	cg02312409	-0.247920592653353	473	-5.54209158521178	4.99338095247793e-08	0.0614646202615899	1.16618156054358e-06
SKCM	RNF217	cg03113502	-0.18070506654544	473	-3.97892637060531	8.01834990414425e-05	0.0326543210751921	0.000796551541875875
SKCM	RNF217	cg06993703	-0.299283602309223	473	-6.79275928668413	3.34477277346148e-11	0.0895706746111854	1.44316834796818e-09
SKCM	RNF217	cg07439975	-0.156915446213473	473	-3.44085000786193	0.00063173951550839	0.0246224572603734	0.00456785424941534
SKCM	RNF217	cg10621825	-0.210934903154151	473	-4.67323966237128	3.87989149748172e-06	0.044493533368651	5.68101410041582e-05
SKCM	RNF217	cg16203203	-0.401557979797299	473	-9.49550589321096	1.121182148163e-19	0.161248811138888	1.45854923134101e-17
SKCM	RNF217	cg17382198	-0.218207861810725	473	-4.84228633584388	1.74589688199371e-06	0.0476146709560083	2.80215188854588e-05
SKCM	RNF217	cg18192252	-0.252686444006925	473	-5.65582217205488	2.70019127775322e-08	0.0638504389848646	6.73912994101809e-07
SKCM	RNF217	cg19171596	-0.221624895660757	473	-4.92199943698341	1.18830319762627e-06	0.0491175943766412	1.99359195506013e-05
SKCM	RNF217	cg19478500	-0.332357084733545	473	-7.63148266492679	1.30782140739192e-13	0.11046123177258	8.53529014820866e-12
SKCM	RNF217	cg20034100	0.308839243437731	473	7.03211900149089	7.23063052524254e-12	0.09538167828719	3.52664370583522e-10
SKCM	RNF217	cg23521835	-0.279679459924249	473	-6.30860730660216	6.5197680196432e-10	0.0782206003035197	2.22846587547474e-08
SKCM	RNF217	cg24822696	-0.103430458283313	473	-2.2520104218338	0.0247834180227617	0.0106978597006961	0.085639462606615
SKCM	RPH3A	cg00851732	0.00356468343754085	473	0.0771987287825063	0.938498374995931	1.2706968009878e-05	0.967141907331215
SKCM	RPH3A	cg00854817	0.03205583625984	473	0.694571217602789	0.487667981130011	0.00102757663831767	0.673871947920496
SKCM	RPH3A	cg01119407	-0.0460772976942339	473	-0.998929736447527	0.318343831878436	0.00212311736280305	0.517676286705648
SKCM	RPH3A	cg01573562	-0.0195226710193223	473	-0.422871518661821	0.672582823798386	0.000381134683728686	0.810466522011983
SKCM	RPH3A	cg05967001	-0.00663903290967382	473	-0.143780773003553	0.88573534325595	4.4076757975732e-05	0.939447410574032
SKCM	RPH3A	cg08254200	-0.0176534124880168	473	-0.382369086353314	0.7023608273235	0.000311642972472067	0.829683994408577
SKCM	RPH3A	cg09384610	-0.0368789393589728	473	-0.798356530643915	0.425068551241011	0.0013600561682428	0.619966681826151
SKCM	RPH3A	cg11596863	0.038017980564446	473	0.823928546531132	0.410398951616964	0.0014453668455902	0.606277554920054
SKCM	RPH3A	cg16403344	-0.0358070486155838	473	-0.775949647351182	0.438169823924019	0.00128214473055878	0.630913290929613
SKCM	RPH3A	cg17453780	0.0365528193623352	473	0.792132127519645	0.428684109849853	0.00133610860333551	0.622846154336878
SKCM	RPH3A	cg18629535	-0.0396118316133047	473	-0.858523798291123	0.391041843562327	0.00156909720376081	0.588269024651257
SKCM	RPH3A	cg19712198	-0.0383870108654114	473	-0.831937944883772	0.40586735805803	0.00147356260318121	0.602224823146853
SKCM	RPH3A	cg20704159	-0.0446484419940542	473	-0.967890086368098	0.333598113796903	0.00199348337249642	0.533182119956067
SKCM	RPH3A	cg21900624	0.0398383690172138	473	0.863441420765529	0.388336150932139	0.0015870956459517	0.586082771225989
SKCM	RPH3A	cg23199238	0.0899994999582699	467	1.94444931529807	0.0524465224718668	0.00809990999273862	0.149396732668488
SKCM	RPH3A	cg23549179	0.0135455385668335	473	0.293374623108811	0.769365590109552	0.000183481615065572	0.872145592875823
SKCM	RPH3A	cg23596620	0.0230012839535432	473	0.498257006989192	0.618536474637722	0.000529059063511526	0.77362058084482
SKCM	RTF1	cg04910470	-0.305425590958613	473	-6.94634571550853	1.2577658537877e-11	0.093284791612418	5.87314746876112e-10
SKCM	RTF1	cg07091958	-0.0533485055132062	473	-1.15698459106194	0.247867592788024	0.00284606304049259	0.441209306089867
SKCM	RTF1	cg07129439	0.38018008622747	473	8.90174491388738	1.20791671468966e-17	0.144536897963926	1.28724209455572e-15
SKCM	RTF1	cg15581235	0.142114445464625	473	3.10924651589844	0.00198977205515856	0.020196515609718	0.011846049380807
SKCM	RTF1	cg18782716	0.307011547669098	473	6.98615828349088	9.73394180885082e-12	0.0942560904021749	4.62862022663656e-10
SKCM	RTF1	cg22263512	0.197488582862523	473	4.36281818004059	1.58017089638279e-05	0.0390017403610477	0.000194968778292154
SKCM	RTF1	cg24280607	-0.194477397576363	473	-4.29366070073232	2.1369110721635e-05	0.0378214581680748	0.000253644888538125
SKCM	RTF1	cg27576415	0.282237515899227	473	6.3712778537036	4.48262859718402e-10	0.0796580153809666	1.57592245556779e-08
SKCM	SATB1	cg01069104	-0.13751800309415	473	-3.00671192449933	0.00278265875786741	0.0189112011750027	0.0154989468761018
SKCM	SATB1	cg01373248	0.418207677614487	473	9.9706739321156	2.29914772102805e-21	0.174897661615702	3.41988332332038e-19
SKCM	SATB1	cg04004754	-0.13955437269588	473	-3.05211313813984	0.00240135041428465	0.0194754229385405	0.0137816786520738
SKCM	SATB1	cg14415616	-0.186202188143133	473	-4.10424787794263	4.78405072905452e-05	0.0346712548692907	0.000510521868883494
SKCM	SATB1	cg19818826	-0.345433248297584	473	-7.97154512901004	1.20385568359066e-14	0.11932412902942	8.96198555495235e-13
SKCM	SATB1	cg26131754	-0.236140989628028	473	-5.26280396958488	2.16311767726776e-07	0.0557625669825043	4.34324649172359e-06
SKCM	SATB1	cg26768584	0.247862449219693	473	5.54070674036553	5.03058416619534e-08	0.0614357937331846	1.17335735471855e-06
SKCM	SCML2	cg00457389	-0.0212137755252086	471	-0.459517583007663	0.646075449723411	0.000450024272033938	0.792461200340462
SKCM	SCML2	cg04189389	-0.128266712501859	471	-2.80093275621752	0.00530607226106722	0.0164523495360346	0.026003564664071
SKCM	SCML2	cg05049545	-0.0642370989128049	471	-1.39402393849454	0.163970468294789	0.00412640487673348	0.335249772938181
SKCM	SCML2	cg06131666	-0.108514475053979	471	-2.36399341763634	0.0184857751796194	0.0117753912962405	0.068505033453503
SKCM	SCML2	cg08300622	-0.0855406479686677	471	-1.85931815148751	0.0636080766998922	0.00731720245489954	0.171769186295175

SKCM	SCML2	cg17710066	-0.0842315497952603	471	-1.8306585735854	0.0677858771800989	0.00709495398091142	0.180124830214121
SKCM	SCML2	cg17727916	-0.0149984186171539	471	-0.324848410139716	0.745440653012899	0.000224952561015389	0.857002825017888
SKCM	SCML2	cg22823767	-0.0561088001546103	471	-1.21703229801444	0.224203974585929	0.00314819745479	0.413369768188315
SKCM	SCML2	cg26246138	-0.0703173523323438	471	-1.5266000964227	0.127534559088652	0.00494453003903097	0.282370467398825
SKCM	SCML4	cg00977377	-0.0191520866973565	473	-0.414841489679827	0.678447636429899	0.000366802424863059	0.814392597031656
SKCM	SCML4	cg03500965	-0.0132539176561299	452	-0.280557203433476	0.779179556166564	0.000175666333235473	0.877925589369412
SKCM	SCML4	cg05603896	-0.0358994247183376	473	-0.777954045510006	0.436988373061794	0.00128876869510759	0.629986784783863
SKCM	SCML4	cg08792995	0.0120125141725675	473	0.260166677724874	0.794849384793824	0.000144300496746134	0.887641174991886
SKCM	SCML4	cg17388996	-0.0600135998599365	473	-1.30202581781557	0.193546650923126	0.00360163216814857	0.374630344154503
SKCM	SCML4	cg23503775	-0.02981101184341	473	-0.645886492538624	0.51866875516787	0.000888696427127934	0.699464638552322
SKCM	SCML4	cg27353361	-0.0339529376643554	473	-0.735722858678748	0.462267151724895	0.0011528019760396	0.651739710146428
SKCM	SCML4	cg27659622	-0.0099086411787097	473	-0.214596109291689	0.83017550194557	9.81811700084216e-05	0.908808704928777
SKCM	SETD1A	cg26692825	-0.0393867775218123	473	-0.853638506519773	0.393741088759801	0.00155131824355274	0.590477507464363
SKCM	SETD6	cg01152986	-0.174017596070566	473	-3.82698610512763	0.000147295443381013	0.0302821237421787	0.00134139554992404
SKCM	SETD6	cg01472538	-0.205321368432971	473	-4.54332051523343	7.05239328569992e-06	0.0421568643351876	9.60540389743263e-05
SKCM	SETD6	cg01773760	-0.227924325728723	473	-5.06945606854927	5.75257200409973e-07	0.0519494982588931	1.04731005496591e-05
SKCM	SETD6	cg02549819	-0.295005301822653	470	-6.66490680101179	7.49918449584161e-11	0.0870281281034747	3.06242288015487e-09
SKCM	SETD6	cg05502081	-0.200535233343571	473	-4.43292097834361	1.15888970346705e-05	0.0402143798121605	0.000149015976184324
SKCM	SETD6	cg09132913	-0.208266880746638	473	-4.61143182027589	5.16470179000462e-06	0.0433750936159341	7.31978158228492e-05
SKCM	SETD6	cg19824325	-0.288543155692088	473	-6.52639617567638	1.75120285592753e-10	0.0832571526967488	6.67155117404634e-09
SKCM	SETD6	cg26666090	-0.214823967183553	473	-4.76353061630431	2.54019084834475e-06	0.0461493368764804	3.90228291580038e-05
SKCM	SETD7	cg05316864	0.112639755530338	473	2.45499634575218	0.0144506735515218	0.0126877145259344	0.0567277030685897
SKCM	SETDB1	cg02060408	-0.351894077978093	473	-8.14149296254259	3.5518385916298e-15	0.123829442116052	2.80804605078505e-13
SKCM	SETDB1	cg08531528	0.065773441549317	473	1.42750762416157	0.154099100371657	0.00432614561324142	0.321524080005386
SKCM	SETDB1	cg10589385	-0.24096282091689	473	-5.37682065203259	1.19794395631026e-07	0.058063081064225	2.5567311971797e-06
SKCM	SETDB1	cg10961700	-0.314454711089784	473	-7.17387223917862	2.86324619867655e-12	0.0988817653265596	1.50829664811239e-10
SKCM	SETDB1	cg12082615	0.0474103620210283	473	1.02789400556014	0.304529514156952	0.00224774242696497	0.503064038123101
SKCM	SETDB1	cg15448220	-0.211718589577576	473	-4.69141536289646	3.56472438157411e-06	0.044824761172718	5.27413785736357e-05
SKCM	SETDB1	cg16370685	-0.349472969601858	470	-8.05177777942757	6.86672843350065e-15	0.122131356482341	5.24744864200147e-13
SKCM	SETDB1	cg17899625	0.0299194050144986	473	0.648237043352143	0.517148880444365	0.000895170796421606	0.698129002122077
SKCM	SETDB1	cg17918089	0.159774050141902	473	3.50516064519904	0.000500155392691471	0.0255277470987471	0.00374991216451814
SKCM	SETDB1	cg19689029	-0.334652549963519	473	-7.69081210611942	8.67402209410233e-14	0.111992329197086	5.78719446645452e-12
SKCM	SETDB1	cg26820223	-0.240487143346962	472	-5.3598309409921	1.3102987291036e-07	0.057834066115182	2.77596348943044e-06
SKCM	SETMAR	cg00300090	0.0195139594643957	473	0.422682749814408	0.672720465657632	0.000380794613978077	0.810594713691798
SKCM	SETMAR	cg02520519	0.0413543757581801	473	0.896354020187759	0.370523559912838	0.00171018439434875	0.569193140338053
SKCM	SETMAR	cg06021447	-0.0712852758117695	473	-1.54772045440318	0.122364103197368	0.00508159054756005	0.274344142144677
SKCM	SETMAR	cg06267913	-0.0407662535596292	473	-0.883585127500246	0.377372908716098	0.00166188742928798	0.575916587752038
SKCM	SETMAR	cg14751177	-0.0824280670323637	473	-1.79119122988202	0.0739072964007978	0.00679438623469184	0.191777694315716
SKCM	SETMAR	cg14961031	-0.189128402206265	473	-4.17112067268012	3.6118904908035e-05	0.0357695525210946	0.000400775080361671
SKCM	SETMAR	cg15232450	-0.0450731572395598	473	-0.977115728917383	0.32901558858195	0.00203158950354208	0.528700295342977
SKCM	SETMAR	cg15384599	-0.0337678873805956	473	-0.731708432251357	0.464711995480469	0.00114027021814859	0.653952551941094
SKCM	SETMAR	cg16423812	-0.19267015105757	473	-4.25221464828567	2.55565718734253e-05	0.037121787108547	0.000296738500346455
SKCM	SETMAR	cg21901604	-0.237294268195394	473	-5.29003644162883	1.88016008493903e-07	0.0563085697183878	3.83911900590389e-06
SKCM	SETMAR	cg22149154	-0.138796208539943	473	-3.0352051558917	0.00253736386770167	0.0192643875050632	0.0144186767512041
SKCM	SETMAR	cg23182840	-0.315658741988623	473	-7.20437404493821	2.34144664400755e-12	0.0996404413938403	1.25794544353538e-10
SKCM	SETMAR	cg23549342	-0.282795516235915	473	-6.38496801598748	4.12877370799343e-10	0.0799733040031378	1.46130037233686e-08
SKCM	SETMAR	cg24390964	-0.0980912970924777	473	-2.13459941044011	0.0333115530967401	0.00962190256528472	0.106729767235745
SKCM	SETMAR	cg26797270	-0.167079925878419	473	-3.66993803241525	0.000270470202439964	0.0279157016315379	0.00223839988602282
SKCM	SETMAR	cg27265118	-0.208783583929431	473	-4.62339339567459	4.88778354670296e-06	0.0435905849184177	6.97944627812426e-05
SKCM	SFMBT2	cg09060610	0.0460612606297223	473	0.998581322627847	0.318512473779443	0.00212163973079921	0.517898992249769
SKCM	SFMBT2	cg12328063	-0.118262401962184	473	-2.57923892979324	0.0102053025316948	0.0139859957178651	0.043288511731225
SKCM	SFMBT2	cg20299663	-0.0840277465781528	473	-1.82619765162105	0.0684560875501144	0.00706066219500226	0.181391494086093
SKCM	SFMBT2	cg25291138	-0.0166016785090341	473	-0.359582277096794	0.719321387688214	0.000275615729317324	0.840813950191927
SKCM	SHPRH	cg00571935	-0.228206903020029	473	-5.0760861787593	5.56562997841023e-07	0.0520783905859928	1.01756197071785e-05
SKCM	SHPRH	cg02758840	0.108310604885684	473	2.35949932487797	0.0187084735281149	0.0117311871307029	0.0691378907845196
SKCM	SHPRH	cg06708562	0.0676415459508779	473	1.46823562307215	0.142710569302045	0.00457537873862473	0.305302662751162
SKCM	SHPRH	cg11387577	-0.0670803784481293	473	-1.45599956315702	0.146061810939273	0.00449977717274425	0.310092855940011

SKCM	SHPRH	cg11675148	0.136712286035367	47%	2.98875908766374	0.00294817822232925	0.018690249153016	0.0162364127365735
SKCM	SHPRH	cg12989205	0.173761997309162	47%	3.82118985391749	0.000150693356160902	0.0301932317088692	0.00136711824480248
SKCM	SHPRH	cg14102550	-0.0540803399192068	47%	-1.17290233654041	0.241430336185313	0.00292468316577696	0.433680418703248
SKCM	SHPRH	cg15443174	0.0346149672946629	47%	0.750085357989507	0.453579407646541	0.00119819596081058	0.643877165768676
SKCM	SHPRH	cg16339435	0.0179206630323081	47%	0.388159520922422	0.6980741111116376	0.000321150163517534	0.82680199451243
SKCM	SHPRH	cg18099523	-0.112930017388513	47%	-2.46140425234734	0.0141984047459028	0.0127531888273698	0.0559322816894248
SKCM	SHPRH	cg26814539	0.0509470693376041	47%	1.10476520921198	0.269827780674659	0.00259560387409064	0.465898942131311
SKCM	SHPRH	cg27398948	0.0037022407695048	47%	0.0801777854645297	0.936130058343199	1.37065867153835e-05	0.965919364994858
SKCM	SIN3A	cg01088093	0.141414243250959	47%	3.09361376578552	0.00209540321558644	0.0199979881942413	0.0123445511361857
SKCM	SIN3A	cg01664094	0.181715851384978	47%	4.00194056899543	7.30016652503529e-05	0.0330206506445675	0.00073487209452458
SKCM	SIN3A	cg02028562	-0.132283679246489	47%	-2.89018857658131	0.00402863179081151	0.017498971794988	0.0208587941121059
SKCM	SIN3A	cg07544511	0.123213054768788	47%	2.68884047966321	0.0074254028681455	0.0151814568654563	0.0339214578810894
SKCM	SIN3A	cg10483776	0.210780282574491	47%	4.66965472937787	3.9451414359649e-06	0.0444283275221823	5.76895362536566e-05
SKCM	SIN3A	cg11184237	-0.168847634082644	47%	-3.70989934896528	0.00023218636825741	0.0285095235353064	0.00196718648793476
SKCM	SIN3A	cg15851274	0.0399861527417151	47%	0.866649548094008	0.386577209681081	0.00159889241108377	0.584532634476194
SKCM	SIN3A	cg22059910	0.287616362900655	47%	6.50353976673399	2.01359708833087e-10	0.0827231722082011	7.57474719001989e-09
SKCM	SIN3A	cg25697800	-0.180904116833739	47%	-3.98345744216323	7.87185682898084e-05	0.0327262994873952	0.000784101447059841
SKCM	SIN3B	cg06815056	-0.0726054490629219	47%	-1.57653409637091	0.115577015515648	0.00527155123362854	0.263818501365111
SKCM	SIRT1	cg02720207	-0.244294962326956	47%	-5.45585855601369	7.90440484282064e-08	0.059680028618329	1.75790528971523e-06
SKCM	SIRT1	cg03211233	-0.248471719602384	47%	-5.55522135218635	4.65369213889478e-08	0.0617381954421656	1.09682168609796e-06
SKCM	SIRT1	cg07832903	-0.260047865490375	47%	-5.83236076274774	1.01902084689229e-08	0.0676248923461001	2.78250992499611e-07
SKCM	SIRT1	cg10582690	-0.0377311786179328	47%	-0.817704058133371	0.413941408799306	0.00142364183989835	0.609520274107237
SKCM	SIRT1	cg10705386	-0.35262727048801	47%	-8.16086224235954	3.08687501699353e-15	0.124345991891824	2.48592500074528e-13
SKCM	SIRT1	cg19192316	0.100190318655277	47%	2.18073522630376	0.0296991983270528	0.010038099952246	0.0979537480497627
SKCM	SIRT1	cg19681528	0.0752098775252398	47%	1.63340202198927	0.103055565689125	0.00565652567736158	0.243340759947179
SKCM	SIRT1	cg19980381	-0.017648289773819	47%	-0.382258094899998	0.702443088769721	0.000311462131940684	0.829752765765005
SKCM	SIRT1	cg25513531	-0.107024140193087	47%	-2.33114755438631	0.020168442679285	0.0114541665840696	0.0732964509853451
SKCM	SIRT4	cg04118464	-0.10631827720686	46%	-2.30570066812104	0.0215665470041539	0.0113035760682347	0.077134290728755
SKCM	SIRT4	cg07106325	-0.00158671871934109	47%	-0.0343626709509769	0.972602569699039	2.51767629430741e-06	0.985558207323099
SKCM	SIRT4	cg08264848	-0.116543712197063	47%	-2.54123524783102	0.0113671727639315	0.0135824368526719	0.0471273629288683
SKCM	SIRT4	cg12124973	-0.0984665034850937	47%	-2.14284419572998	0.0326396028519301	0.00969565230857997	0.105110353991621
SKCM	SIRT4	cg20010714	-0.070959886593828	47%	-1.54061988437592	0.12408373067794	0.00503530550540893	0.277041866210134
SKCM	SIRT4	cg21068152	0.0150131480171691	47%	0.325167503804616	0.745199305336096	0.000225394613385429	0.856915313062678
SKCM	SIRT4	cg21123573	-0.0997640294301256	46%	-2.15509804611902	0.0316701595948901	0.00995286156813497	0.102741801314632
SKCM	SIRT5	cg01064902	-0.210019498664424	47%	-4.65202102046114	4.28175766789043e-06	0.044108189819256	6.20635468634001e-05
SKCM	SIRT5	cg02206980	-0.217864553389249	47%	-4.83428798182432	1.81408997927826e-06	0.0474649636234968	2.89770321790003e-05
SKCM	SIRT5	cg02712746	-0.332177113044879	47%	-7.62683751754008	1.35041398926043e-13	0.11034163443083	8.77644994824775e-12
SKCM	SIRT5	cg06139021	-0.0317627417259669	47%	-0.688214136051858	0.491658193937201	0.00100887176195048	0.677222376605988
SKCM	SIRT5	cg07534331	-0.205159157870525	47%	-4.53957336314932	7.17349332572054e-06	0.0420902800581431	9.74597868985511e-05
SKCM	SIRT5	cg07909422	-0.22730616659259	47%	-5.0549569102165	6.18278791508178e-07	0.0516680933710184	1.11648979356052e-05
SKCM	SIRT5	cg08619119	-0.312894749790512	47%	-7.13441072741019	3.710878098645e-12	0.0979031244464669	1.91181490599993e-10
SKCM	SIRT5	cg10907941	-0.328219918691496	47%	-7.52493580251759	2.71769758189413e-13	0.107728315025852	1.67395538943683e-11
SKCM	SIRT5	cg11824369	-0.305985265070928	47%	-6.96038801397559	1.14919982442173e-11	0.0936269824405263	5.40839994803775e-10
SKCM	SIRT5	cg19366958	0.00790143994934435	47%	0.171122147865941	0.864201523736005	6.24327532730948e-05	0.927885207302341
SKCM	SIRT5	cg20150972	-0.0728756914955411	47%	-1.58243333576953	0.114224765238655	0.00531086641095329	0.261696070102179
SKCM	SIRT7	cg11691214	-0.163438169888958	47%	-3.58772573164852	0.000368638271166899	0.0267120353766519	0.00290232220090657
SKCM	SIRT7	cg12710567	-0.18743969214239	46%	-4.10155903768535	4.84983910072727e-05	0.0351336381904341	0.000516408955655594
SKCM	SIRT7	cg17552093	-0.0561446343621508	47%	-1.21781201975299	0.223907741900027	0.00315221996765961	0.412952919709558
SKCM	SIRT7	cg20397086	-0.133124132923819	46%	-2.89645021142496	0.00395204213199644	0.0177220347667187	0.0205745275792365
SKCM	SMARCA	cg03460558	-0.15681901084144	47%	-3.43868203645982	0.000636693365243586	0.0245922021612877	0.00459982574812031
SKCM	SMARCA	cg06675660	-0.115098053157621	47%	-2.50928675960174	0.0124335664421586	0.0132475618406745	0.0505464500314219
SKCM	SMARCA	cg08617833	-0.376617799739174	47%	-8.80447316433773	2.54949750541472e-17	0.141840967080377	2.61656476169173e-15
SKCM	SMARCA	cg12935118	-0.100169958963392	47%	-2.18028758664129	0.0297325555851952	0.0100340206787277	0.0980173925415153
SKCM	SMARCA	cg17420696	-0.133591433809857	47%	-2.91927753996187	0.00367724365899069	0.0178466711873734	0.0193852065601085
SKCM	SMARCA	cg18959966	-0.36996117617675	47%	-8.61472249487109	1.08260122490947e-16	0.136871271878084	1.04165321105102e-14
SKCM	SMARCA	cg24447042	-0.480092315954551	47%	-11.8523278549316	1.58197040575383e-28	0.230488631838604	4.04828308372414e-26
SKCM	SMARCA	cg26010110	-0.350984173502031	47%	-8.1174791309904	4.22525662724839e-15	0.123189890048904	3.30683716358311e-13

SKCM	SMARCA	cg27353825	-0.125980124080077	45%	-2.69689653958654	0.00726099762312892	0.0158709916632316	0.033340160352285
SKCM	SMARCA	cg04518912	-0.16437247385251	47%	-3.60880303268684	0.000340693870571281	0.0270183101603941	0.00271946839392799
SKCM	SMARCA	cg13529335	-0.0474508029036093	47%	-1.02877277353193	0.304116727536813	0.00225157869619718	0.502718954165844
SKCM	SMARCA	cg14290704	-0.154845131915953	47%	-3.3943291599546	0.000746348836310518	0.0239770148780688	0.00525919034166127
SKCM	SMARCA	cg21210735	-0.252458809739476	47%	-5.65038007613601	2.78145360853508e-08	0.0637354506150727	6.91974422840992e-07
SKCM	SMARCA	cg08405378	-0.168524356050091	47%	-3.7025884931753	0.000238785371964349	0.0284004585820979	0.00201366604082326
SKCM	SMARCA	cg17218495	0.0240076090124155	47%	0.520068468049723	0.60326124329403	0.000576365290493012	0.762347387277709
SKCM	SMARCA	cg17747332	0.0464124328554075	47%	1.00621090491074	0.31483297303749	0.00215411392355771	0.513913939506497
SKCM	SMARCA	cg18522266	-0.125093619809247	47%	-2.73052689387796	0.00656143544404577	0.0156484137169803	0.0307668460286404
SKCM	SMARCA	cg23892580	-0.0487747719589619	47%	-1.05754504068367	0.290807308525967	0.00237897837964874	0.488380744360493
SKCM	SMARCA	cg01278696	0.0702082737276921	47%	1.52422024393243	0.12812770098985	0.00492920169982253	0.283225822487551
SKCM	SMARCA	cg01575392	-0.209079882773078	47%	-4.63025448024812	4.73544278298111e-06	0.0437143973804039	6.78682822143022e-05
SKCM	SMARCA	cg02782292	0.0400994977782991	47%	0.869110110062991	0.38523145179183	0.00160796972207181	0.583313025756876
SKCM	SMARCA	cg05358385	-0.057000301530732	47%	-1.23643201547443	0.216916850209634	0.00324903437459436	0.404231246550899
SKCM	SMARCA	cg10878459	-0.310668089581693	47%	-7.07819484587411	5.35900546906978e-12	0.0965146618843385	2.67071410288799e-10
SKCM	SMARCA	cg12253543	-0.213474390091397	47%	-4.73217134192208	2.94502467796859e-06	0.0455713152248941	4.44088485748961e-05
SKCM	SMARCA	cg13848802	-0.284381531797831	43%	-6.13670826320696	1.9214668510501e-09	0.0808728556276805	6.02008023401495e-08
SKCM	SMARCA	cg13898584	-0.193587701578846	47%	-4.27325142428166	2.33418412513202e-05	0.0374761982025805	0.000274132729212742
SKCM	SMARCA	cg16091845	0.00958126009720681	47%	0.207505200932326	0.835705400263147	9.18005450503274e-05	0.911974889295131
SKCM	SMARCA	cg16587443	-0.147413907173801	45%	-3.17917898286524	0.00157769409291902	0.0217308600282461	0.00980469198470538
SKCM	SMARCA	cg19993723	0.0851402056048576	47%	1.85055039961969	0.0648629046234081	0.00724885461043743	0.174292591008028
SKCM	SMARCA	cg20045045	-0.065109280551958	47%	-1.41303138828172	0.158309792486791	0.00423921841399357	0.327402827894253
SKCM	SMARCA	cg22077701	-0.0919858320670258	47%	-2.00056445494764	0.0460152963790049	0.00846139330106307	0.135780381069197
SKCM	SMARCA	cg24607315	-0.282940260154648	47%	-6.38852036062662	4.04151862870647e-10	0.0800551908163797	1.43433348632113e-08
SKCM	SMARCB	cg01745726	-0.136117356083144	47%	-2.97550685130515	0.00307608920768606	0.0185279346270655	0.0167954298022691
SKCM	SMARCB	cg01912455	-0.0812053723469489	47%	-1.76444393128	0.0783081494155815	0.00659431249800662	0.199813178156512
SKCM	SMARCB	cg03979008	0.0744035504982418	47%	1.61579226308371	0.106811681841004	0.00553588832674441	0.249596226521854
SKCM	SMARCB	cg10122452	-0.0348479701082523	47%	-0.75514050606864	0.450543724294663	0.00121438102066565	0.641311519729548
SKCM	SMARCB	cg16142952	0.0849494902961299	47%	1.84637497416478	0.0654676487020605	0.00721641590157227	0.175487225660812
SKCM	SMARCB	cg19906397	0.0939694124946517	47%	2.04408482227246	0.0415031591325983	0.00883025048459	0.125732963182419
SKCM	SMARCC	cg02564102	0.189028274499908	47%	4.16883056113543	3.64705207067967e-05	0.0357316885604124	0.000403927632099166
SKCM	SMARCC	cg02627110	-0.0216373472945927	47%	-0.468696946215074	0.639504042192691	0.00046817479794682	0.788212010367068
SKCM	SMARCC	cg05592996	-0.162708231500173	47%	-3.56745634094441	0.000397608980876097	0.026473968597914	0.00309037796565842
SKCM	SMARCC	cg07143957	0.152526416632892	47%	3.34228099609559	0.000897390697364426	0.0232643077708705	0.00613836383634645
SKCM	SMARCC	cg07304068	-0.144708482873468	47%	-3.16720284479287	0.00163950793398237	0.0209405450155408	0.0101161072506523
SKCM	SMARCC	cg07474652	-0.0235201457239427	47%	-0.509502815239798	0.61063947107842	0.000553197254875501	0.767792987949464
SKCM	SMARCC	cg12894336	-0.122012661009108	47%	-2.66224680697237	0.00802874332083839	0.0148870894465236	0.0360283835891383
SKCM	SMARCC	cg16250355	0.12746497885166	47%	2.78313540127635	0.00560097244495677	0.0162473208336542	0.0271664100245007
SKCM	SMARCC	cg20685352	-0.0916206856042048	47%	-1.99255566250158	0.0468892641820586	0.00839435003058454	0.13770114827403
SKCM	SMARCC	cg22984439	0.00293021986781661	47%	0.0634583089153733	0.949428593451388	8.58618847374716e-06	0.97315657784027
SKCM	SMARCD	cg02553054	-0.0383800815062217	47%	-0.831787547607929	0.405952173353294	0.00147303065642422	0.602293232899382
SKCM	SMARCD	cg04550398	-0.172734682197751	47%	-3.79790129422275	0.000165106372100112	0.0298372704339579	0.00147805352257263
SKCM	SMARCD	cg09878554	0.0509371825348413	47%	1.10455026040176	0.26992085834228	0.00259459656458774	0.465995500629799
SKCM	SMARCD	cg13349421	-0.135735822734066	47%	-2.96700981302185	0.00316075323187714	0.0184242135732939	0.0171841244615732
SKCM	SMARCD	cg17846064	-0.145230851217564	47%	-3.17888169353217	0.0015762124076547	0.0210920001453781	0.00979783204483341
SKCM	SMARCD	cg18591973	-0.0316937600476116	47%	-0.686717982033776	0.492599849207382	0.00100449442595558	0.678050874679155
SKCM	SMARCD	cg20405918	-0.123807983600631	47%	-2.70202504090998	0.00714167753847605	0.0153284168032542	0.0329232392550048
SKCM	SMARCD	cg22402853	-0.190832097784128	47%	-4.2101081889749	3.06062423629671e-05	0.036416889544691	0.00034693020812832
SKCM	SMARCD	cg25107077	-0.156786245446444	47%	-3.43794545791754	0.00063838469299466	0.0245819267611927	0.00461161656670318
SKCM	SMARCD	cg00945038	-0.0597877902692771	47%	-1.29710915478008	0.19523135180389	0.00357457986528307	0.376897232603713
SKCM	SMARCD	cg02127607	-0.00938093839747896	47%	-0.203166367462954	0.83909311298367	8.8002005217295e-05	0.913883763076869
SKCM	SMARCD	cg02360836	-0.122369243236513	47%	-2.67014533018388	0.00784510523733552	0.0149742316902768	0.0353921431705683
SKCM	SMARCD	cg04367190	0.00114235823899273	47%	0.0247393920512087	0.980273356728551	1.30498234619457e-06	0.989801346921421
SKCM	SMARCD	cg06420487	-0.128205117590113	47%	-2.79956523863532	0.00532822266501192	0.0164365521762948	0.0260825417821506
SKCM	SMARCD	cg07362569	-0.0626671859382547	47%	-1.35981888694599	0.17454057809432	0.00392717619341979	0.349910797956844
SKCM	SMARCD	cg11697258	-0.115811626396459	47%	-2.52505441069957	0.0118966345286264	0.0134123328085929	0.0488254701408581
SKCM	SMARCD	cg12577610	-0.16035426434864	47%	-3.51822483907053	0.000476770638080207	0.0257134900947936	0.00359921349042326

SKCM	SMARCD	cg15868002	-0.0805359092456467	47%	-1.74980236449043	0.0808064135719755	0.00648603267802304	0.204444326051069
SKCM	SMARCD	cg19016967	-0.144080917263077	47%	-3.15317562420731	0.00171862985815603	0.0207593107193696	0.0105101085752213
SKCM	SMARCD	cg19143629	0.00225688851779552	47%	0.048876222639848	0.96103874463333	5.09354578175727e-06	0.979586851587444
SKCM	SMARCD	cg21254277	-0.14438778133763	47%	-3.1600341018514	0.00167951390847342	0.0208478313996032	0.0103122591993972
SKCM	SMARCD	cg23682543	-0.168222358305486	47%	-3.69575999704528	0.000245108076035686	0.0282987618338594	0.00205783916113966
SKCM	SMARCD	cg24795630	-0.126537195918052	47%	-2.76254684966154	0.00596057449708183	0.0160116619508034	0.0285228090187405
SKCM	SMARCD	cg25945412	-0.0299842348946112	47%	-0.649642917089948	0.516240944356868	0.000899054342215217	0.697375286957321
SKCM	SMARCD	cg00864064	0.0831526890722245	47%	1.80704667743722	0.0713957018463911	0.00691436969994205	0.187040983371172
SKCM	SMARCD	cg02917064	0.2052325566433	47%	4.54126886626396	7.11845314390845e-06	0.0421204023063453	9.68303801149176e-05
SKCM	SMARCD	cg14795305	0.221730813969671	47%	4.92447334374166	1.17410036131947e-06	0.049164553863653	1.97274219240792e-05
SKCM	SMARCD	cg19786287	0.0421920520476179	47%	0.914542669198906	0.360901704348319	0.0017801692559889	0.559784412084002
SKCM	SMARCD	cg19902439	0.0212750502081941	47%	0.460845471395091	0.645123096987798	0.000452627761361178	0.791950674710337
SKCM	SMARCD	cg22750243	0.0191395818676063	47%	0.41457053101547	0.678645877493916	0.000366323594066803	0.814466076583446
SKCM	SMARCD	cg22787816	0.0627669897906378	47%	1.36199309541112	0.1738538652613	0.00393969500737803	0.348927726171606
SKCM	SMNDC1	cg03999743	-0.0414693527865507	47%	-0.898850428650554	0.369193570243449	0.0017197072205354	0.567878926833258
SKCM	SMNDC1	cg08770590	-0.0995175724260876	47%	-2.16594530985391	0.0308185545681867	0.0099037472215816	0.100659107988812
SKCM	SMNDC1	cg11559952	-0.0136109144284586	47%	-0.294790821065834	0.76828412059478	0.000185256991578822	0.871646004426932
SKCM	SMNDC1	cg12486840	0.19799321047037	47%	4.37442040138838	1.50155507312376e-05	0.0392013113923642	0.000186719909460661
SKCM	SMNDC1	cg17981675	-0.226951524700124	47%	-5.0466415595041	6.44338724037188e-07	0.0515069945637111	1.1584397203085e-05
SKCM	SMNDC1	cg18209001	-0.0812390584530767	47%	-1.76518073034292	0.0781841163499343	0.00659978461834242	0.199594892111928
SKCM	SMNDC1	cg21872391	0.11827819398672	47%	2.57958823160686	0.0101951344118059	0.0139897311727602	0.0432595334587123
SKCM	SMNDC1	cg23721301	-0.249522398697379	47%	-5.58026813889774	4.0669142496308e-08	0.0622614274516937	9.72583852246476e-07
SKCM	SMNDC1	cg26944434	0.0931065091807353	47%	2.02514947069364	0.0434179466432795	0.00866882205182235	0.130064913595721
SKCM	SMYD1	cg00578637	-0.327144287904295	47%	-7.49731434455494	3.28096975540898e-13	0.107023385108408	1.99406063400223e-11
SKCM	SMYD1	cg00666842	-0.149652816915702	47%	-3.27785565406074	0.00112367244160678	0.0223959656108047	0.00739838727952029
SKCM	SMYD1	cg03704645	-0.290719688503983	47%	-6.58015230940452	1.25910849294116e-10	0.0845179372838529	4.93456353147933e-09
SKCM	SMYD1	cg14559139	-0.458213022748516	47%	-11.1642378967085	7.9518339721213e-26	0.209959174216332	1.73765441580675e-23
SKCM	SMYD1	cg16090764	-0.282811386042143	47%	-6.38535747394268	4.11911826394742e-10	0.0799822800750783	1.45854659183216e-08
SKCM	SMYD1	cg18148488	-0.247670344698117	47%	-5.53613169939262	5.15541646692765e-08	0.0613405996428841	1.19791059924782e-06
SKCM	SMYD1	cg19074493	-0.414753444003541	47%	-9.87112403582395	5.24329080252538e-21	0.172020419312798	7.5676542614408e-19
SKCM	SMYD2	cg01770831	-0.181152015004108	47%	-3.98910116777658	7.69293921144597e-05	0.0328160525400486	0.000768049939701268
SKCM	SMYD2	cg04406444	-0.257479683943251	47%	-5.77064993721875	1.436568343892e-08	0.0662957876435165	3.79607329295973e-07
SKCM	SMYD2	cg11523160	-0.300596831527369	47%	-6.82551894386311	2.71885503846322e-11	0.0903584551242936	1.19160906401244e-09
SKCM	SMYD2	cg14013804	0.136211880217632	47%	2.97761218411161	0.00305543500587578	0.0185536763124226	0.0167014130724495
SKCM	SMYD2	cg27570636	0.0895162227605179	47%	1.9464139703463	0.0522017949222915	0.00801315413731066	0.148890428384409
SKCM	SMYD5	cg01329511	-0.114221379823362	47%	-2.48992051262387	0.0131224297615636	0.0130465236087527	0.0527051629341256
SKCM	SMYD5	cg05103132	0.0017083100237608	47%	0.0369959125537781	0.970504006156826	2.91832313728163e-06	0.984385160501246
SKCM	SMYD5	cg06754047	-0.0176532436325471	47%	-0.382365427840325	0.70236353877897	0.000311637010750066	0.829683994408577
SKCM	SMYD5	cg08834152	-0.021215825176099	47%	-0.45956200106658	0.646043583966329	0.000450111237902796	0.792442915251436
SKCM	SMYD5	cg15623359	-0.121322720944168	47%	-2.64696716382174	0.00839498465369837	0.0147192026172965	0.0372911229458009
SKCM	SMYD5	cg17895873	0.0190017073675307	47%	0.411583034972524	0.680833090879412	0.000361064882881272	0.815871244829985
SKCM	SMYD5	cg20402064	-0.0158728053358351	47%	-0.34379125685812	0.731157348746914	0.000251945949229314	0.848076679068085
SKCM	SMYD5	cg25886337	-0.003007605241582	47%	-0.0651342202890768	0.94809488789606	9.04568928919153e-06	0.972406936267928
SKCM	SMYD5	cg26467949	-0.0536440559612717	47%	-1.16341272697864	0.245253645814364	0.00287768473997605	0.438160530095596
SKCM	SP100	cg05876232	0.199339174062825	47%	4.40538406025849	1.30964226239293e-05	0.0397361063160491	0.000165554615145589
SKCM	SP100	cg09456094	-0.235607114890957	47%	-5.2502055209181	2.3075937405845e-07	0.0555107125872407	4.59828246554894e-06
SKCM	SP100	cg11702456	-0.179674254111455	47%	-3.95546959333388	8.81898318276908e-05	0.0322828375905077	0.000863516649113075
SKCM	SP100	cg11827097	-0.0823089254034206	47%	-1.78858456759636	0.0743270614523299	0.00677475920106585	0.192585911891239
SKCM	SP100	cg23539753	-0.425666307879416	47%	-10.1874292980606	3.75147765199597e-22	0.181191805663694	5.96814831205265e-20
SKCM	SP100	cg27140170	0.160487317334846	47%	3.52122120798972	0.000471553382549734	0.0257561790253354	0.00356952650015316
SKCM	SP140L	cg04002454	-0.378695742693794	47%	-8.8611576281856	1.65082558878732e-17	0.143410465534404	1.72381645441773e-15
SKCM	SP140L	cg05217331	0.41727810528568	47%	9.94383277038628	2.87294090246191e-21	0.174121017150807	4.24094050410099e-19
SKCM	SP140L	cg13278004	-0.498122501715918	47%	-12.4408500664753	6.63819325341455e-31	0.248126026715724	1.9126355776153e-28
SKCM	SP140L	cg24044052	-0.592074861462738	47%	-15.9107651736557	6.81727841193987e-46	0.350552641576121	3.33549280992736e-43
SKCM	SP140L	cg25095994	-0.623086672587801	47%	-17.2521521866782	5.29534656667807e-52	0.388237001556537	3.34915602283052e-49
SKCM	SP140L	cg26847438	-0.489128599836599	47%	-12.1447220834401	1.06043669673916e-29	0.239246787178111	2.8644309856294e-27
SKCM	SSRP1	cg01511567	-0.0256293484342186	47%	-0.555222004539791	0.579007535714584	0.000656863501162581	0.745096392790769

SKCM	SSRP1	cg01766191	-0.272229060713776	473	-6.12690145718331	1.89963051190507e-09	0.0741086614971048	5.95886516302995e-08
SKCM	SSRP1	cg02688348	0.0965458887641708	473	2.10065025660642	0.0362049488699291	0.00932110863726365	0.11372558315381
SKCM	SSRP1	cg04937561	-0.165561585414948	473	-3.63564307688384	0.000307982799016606	0.0274106385651111	0.0024988750382455
SKCM	SSRP1	cg08821673	-0.210397053668104	472	-4.6557995211622	4.2096975475963e-06	0.0442669201922191	6.11442596399833e-05
SKCM	SSRP1	cg09381635	-0.193025235776161	473	-4.26035433484135	2.46768416397393e-05	0.0372587416464424	0.000287683233706261
SKCM	SSRP1	cg11948159	0.0125624646408604	473	0.272079327600731	0.78568075917811	0.000157815517852868	0.881764198962763
SKCM	SSRP1	cg12795368	0.137670489568153	473	3.01011028303964	0.00275230224307459	0.0189531636979351	0.0153706102439156
SKCM	SSRP1	cg12911972	-0.149566587429469	473	-3.27592373403271	0.00113121201593948	0.0223701640752971	0.0074370314947126
SKCM	SSRP1	cg16313264	0.137700353865923	473	3.01077587312866	0.00274639238565768	0.0189613874548004	0.0153482513407211
SKCM	SSRP1	cg22636253	-0.12693693061767	473	-2.77141650752378	0.00580317169545205	0.0161129843546351	0.0279347994601739
SKCM	SSRP1	cg26706201	0.0233883229100381	473	0.506645649343736	0.612641570223722	0.000547013648544215	0.76930265873554
SKCM	STK31	cg00755064	-0.106498090584336	473	-2.3195576228656	0.0207934070727399	0.0113418432981094	0.0750174980205317
SKCM	STK31	cg05000488	-0.138872735711748	473	-3.03691155738705	0.00252332306484583	0.0192856367240651	0.0143504199507725
SKCM	STK31	cg05407490	-0.0944898615986709	473	-2.05550768170392	0.0403831103683773	0.0089283394493598	0.123251743418633
SKCM	STK31	cg11755819	-0.130728506239765	473	-2.85561615764965	0.00448587860812627	0.0170899423436802	0.0227315294711161
SKCM	STK31	cg13313214	-0.16416121227531	473	-3.60403623523336	0.000346834006440643	0.0269489036156993	0.00275998411385468
SKCM	STK31	cg13514718	-0.0883431299090996	473	-1.92070460910529	0.0553749335712947	0.00780450860213605	0.155366162305525
SKCM	STK31	cg13802883	-0.104010692030318	473	-2.26478173566473	0.0239816316875634	0.0108182240566256	0.0835378784312731
SKCM	STK31	cg14898779	-0.0950432004833049	473	-2.06765427408645	0.0392204087375906	0.00903320995810968	0.120740501675193
SKCM	STK31	cg17102984	-0.162118305923795	473	-3.55796733019879	0.000411768736671565	0.026282345115601	0.00318262663692278
SKCM	STK31	cg17331904	-0.120833069803001	473	-2.6361255497976	0.00866386938520699	0.0146006307580168	0.0381781497084396
SKCM	STK31	cg21519371	-0.105316159497999	473	-2.29352447275561	0.0222592566625991	0.0110914934514079	0.0788893321236559
SKCM	STK31	cg25570411	-0.120174888628618	473	-2.62155550187695	0.0090373796421106	0.0144420038569006	0.0394663698146599
SKCM	STK31	cg25612145	-0.0754667087591877	473	-1.63901175623383	0.1018814037441	0.00569522413094405	0.241440336395909
SKCM	SUV39H	cg05903800	-0.0742190100656869	471	-1.61176244634522	0.107686352478228	0.00550846145513054	0.251232631719636
SKCM	SUZ12	cg00160853	0.0242630905839441	473	0.525606119143948	0.599410315333658	0.000588697564684676	0.759652777125417
SKCM	SUZ12	cg01109633	0.112957930499226	473	2.46202050404724	0.0141743506162316	0.0127594940626681	0.0558617616723983
SKCM	SUZ12	cg07482957	-0.0602531151297357	473	-1.30724112059349	0.191771352473586	0.00363043788283718	0.372252437758327
SKCM	SUZ12	cg08177746	-0.0518104421525855	473	-1.12353704587622	0.26178424428534	0.00268432191604641	0.457122028684737
SKCM	SUZ12	cg17335595	-0.260785432232854	473	-5.85010821042308	9.22681927892616e-09	0.0680090416648765	2.54085373091958e-07
SKCM	SUZ12	cg25098644	-0.0215658744235495	473	-0.467148016532001	0.640610934248866	0.000465086939652308	0.788851397213396
SKCM	TAF3	cg00194465	-0.171653166531572	473	-3.77339784634843	0.000181670477730339	0.0294648095803155	0.00159955228628158
SKCM	TAF3	cg02334915	0.233199346295468	473	5.19344898457665	3.08294934052882e-07	0.0543819351126338	5.97049940246698e-06
SKCM	TAF3	cg03672997	0.0481308382114538	473	1.0435504950834	0.297230993080435	0.00231657758693715	0.495293731941723
SKCM	TAF3	cg04179819	0.108731473690143	473	2.36877724459918	0.0182512800199164	0.0118225333708302	0.0678472823562564
SKCM	TAF3	cg04234156	0.0149385530701649	473	0.323551501593756	0.746421832344314	0.000223160367830134	0.857598547097041
SKCM	TAF3	cg05976695	-0.0856275441961624	473	-1.86122087848135	0.0633384348285886	0.00733207632506575	0.171253044336036
SKCM	TAF3	cg07855525	-0.239788618832255	473	-5.34901703928789	1.38496566151713e-07	0.0574985817214806	2.91825619371787e-06
SKCM	TAF3	cg09871669	0.0416146876322224	473	0.902006024427305	0.367516658722384	0.00173178222672744	0.566434227360463
SKCM	TAF3	cg09994553	-0.189655144375388	426	-3.96803386260089	8.5147725176118e-05	0.0359690737880493	0.000838054419578812
SKCM	TAF3	cg11104088	0.105986751701915	473	2.30829368657057	0.0214169540083887	0.0112331915363233	0.076733317373398
SKCM	TAF3	cg12176426	0.187891804488872	473	4.14284675616845	4.06952566003992e-05	0.0353033301940844	0.000444891342323139
SKCM	TAF3	cg12590721	-0.302846155441298	472	-6.87438909866606	1.99774927504038e-11	0.0917157938655749	8.94180227096829e-10
SKCM	TAF3	cg12777293	-0.215988838844215	473	-4.79062100134914	2.23409366060569e-06	0.0466511785052725	3.48294753974266e-05
SKCM	TAF3	cg27268107	-0.251917724751954	473	-5.63744827339836	2.98422004428181e-08	0.0634625400442014	7.37950217865538e-07
SKCM	TCEA1	cg01677098	-0.197804710855276	473	-4.37008606123961	1.53047618265715e-05	0.0391267036365392	0.000189770264828866
SKCM	TCEA1	cg06047473	-0.261626728739296	473	-5.87036504169644	8.23554533268666e-09	0.0684485451908253	2.29058281591357e-07
SKCM	TCEA1	cg11530293	-0.0411525065307667	473	-0.891971073958293	0.372865833268339	0.0016935287937648	0.571448475832883
SKCM	TCEA1	cg11787876	0.0207633937405333	473	0.449757482573724	0.653093110606676	0.000431118519624417	0.797393518841982
SKCM	TCEA1	cg12850379	-0.127307958060111	473	-2.77965041202095	0.00566042633591571	0.0162073161854349	0.0273864796552165
SKCM	TCEA1	cg23569945	-0.148079003606322	473	-3.24260730377386	0.00126884131300036	0.0219273913090412	0.00818137099905095
SKCM	TCEA1	cg26181865	-0.299792272353809	473	-6.80544346199167	3.08721776189127e-11	0.0898754065360605	1.34171518753391e-09
SKCM	TCEA1	cg26358945	-0.204287444065246	473	-4.51944297981121	7.85897959112782e-06	0.0417333598027108	0.000105903595758219
SKCM	TDRD1	cg00337703	-0.230909860879444	473	-5.1395743616533	4.0488970366323e-07	0.0533193638513644	7.62847895538323e-06
SKCM	TDRD1	cg02635786	-0.313743325254305	445	-6.93897364292954	1.41645650589428e-11	0.0984348741416285	6.54345709142161e-10
SKCM	TDRD1	cg16550453	-0.666630248079189	473	-19.3681754817562	7.7373138263473e-62	0.444395887654121	7.3404462415471e-59
SKCM	TDRD1	cg23504215	-0.533525624879861	473	-13.6609936675229	5.26435273125613e-36	0.284649592403446	1.83648007343202e-33

SKCM	TDRD1	cg23825092	-0.656070391742373	473	-18.8262005651082	2.6549102637794e-59	0.430428358920991	2.19719243681335e-56
SKCM	TDRD1	cg24203376	-0.487342927012951	473	-12.0865417254993	1.8205486775319e-29	0.23750312850955	4.86693346460194e-27
SKCM	TDRD1	cg26600802	-0.573887956903704	473	-15.1762587319459	1.31561649113074e-42	0.329347387079108	5.74983535455195e-40
SKCM	TDRD1	cg27547703	-0.581927597382071	473	-15.4965964499959	4.92272661410051e-44	0.33863972859487	2.25269761304315e-41
SKCM	TDRD3	cg01557749	-0.0733529737028395	473	-1.59285299307571	0.111866878394583	0.00538065875104945	0.257976283210654
SKCM	TDRD3	cg03447530	-0.0860609258808344	473	-1.87071107896116	0.0620076588312697	0.00740648296346648	0.168659271043663
SKCM	TDRD3	cg05666423	-0.0497265115038731	473	-1.07823152361863	0.281484687746537	0.00247272594634482	0.478633015424867
SKCM	TDRD3	cg10765900	0.0485484251495955	473	1.0526257191157	0.293054582492481	0.00235694958450587	0.49072039671144
SKCM	TDRD3	cg18522102	0.0989519172746955	473	2.1535120481067	0.0317874807991788	0.00979148193233818	0.103000633792182
SKCM	TDRD3	cg19937698	-0.00705072250141153	473	-0.1526971175098	0.878702803990609	4.97126877919108e-05	0.935562449479175
SKCM	TDRD3	cg20944895	-0.118532473758841	473	-2.58521288756721	0.0100326428672693	0.0140499473353903	0.0427392861884708
SKCM	TDRD3	cg22045829	-0.00871244726988703	473	-0.188687472715199	0.850419389955716	7.5906737430562e-05	0.920273282730528
SKCM	TDRD3	cg23103367	-0.0587613348410036	473	-1.27476214447614	0.203024624962509	0.00345289447229654	0.386844755421119
SKCM	TDRD3	cg23767211	-0.0311926911852943	473	-0.675850517433999	0.499468670107608	0.000972983983381139	0.683621269614541
SKCM	TDRD3	cg26737458	-0.0871491265241802	473	-1.89454524587028	0.0587675420001859	0.00759497025392757	0.162170982312173
SKCM	TDRD5	cg05378938	-0.140965487855603	471	-3.08359732296038	0.00216577158364349	0.0198712687663681	0.0126670201171312
SKCM	TDRD5	cg07171496	-0.181522454070994	471	-3.99753616250688	7.43270769891542e-05	0.032950401331956	0.000746861357180866
SKCM	TDRD5	cg07901138	-0.167022063528177	471	-3.66863059737314	0.000271817821323533	0.0278963697052103	0.00224811775377875
SKCM	TDRD5	cg09656934	0.0868872289712653	471	1.88880844916915	0.0595342496277748	0.00754939055830508	0.163746549835352
SKCM	TDRD5	cg11853788	-0.0466317313540817	471	-1.01097558260778	0.312549396578193	0.00217451836907925	0.511567234899072
SKCM	TDRD5	cg12277666	-0.155502923278641	470	-3.40546863473679	0.000717388178203964	0.024181159148203	0.00508922997767638
SKCM	TDRD5	cg13848905	-0.119317707594059	471	-2.60258548247506	0.00954527477317821	0.0142367153455014	0.0410733506114622
SKCM	TDRD5	cg15545772	-0.146231185770926	471	-3.20125425915905	0.00146121970345616	0.0213835596919712	0.00920140242922688
SKCM	TDRD7	cg24339935	0.0400111046665134	473	0.867191216548658	0.386280707550992	0.00160088849663469	0.584272852761353
SKCM	TDRD9	cg07613153	0.351907171896927	473	8.1418387239431	3.54296125935149e-15	0.123838657632493	2.80387719440478e-13
SKCM	TDRD9	cg08933517	0.231144026559461	473	5.14508043062238	3.9380937332778e-07	0.0534275610141207	7.43051331279682e-06
SKCM	TDRD9	cg16701547	0.239451689437187	473	5.34104358527989	1.44363361052803e-07	0.0573371115743233	3.02141601015382e-06
SKCM	TRIM24	cg00733782	-0.0285559817341711	473	-0.61867228412969	0.536432629054724	0.000815444092802311	0.712547274258077
SKCM	TRIM24	cg02308366	-0.0560691350955684	473	-1.21616922572179	0.224532201513848	0.0031437479103651	0.413739591751583
SKCM	TRIM24	cg06386929	-0.0710900022901187	473	-1.54345918027235	0.123393849266264	0.00505378842560908	0.276056167423568
SKCM	TRIM24	cg06650216	-0.0547074223828188	473	-1.18654318464191	0.236008559754259	0.00299290206377214	0.427295892234287
SKCM	TRIM24	cg10571650	0.211071244502834	473	4.67640108948192	3.8232120030613e-06	0.0445510702559751	5.60752176783844e-05
SKCM	TRIM24	cg10703331	-0.0478358024726533	473	-1.03713895057927	0.300205529803654	0.0022882639982027	0.498499199247486
SKCM	TRIM24	cg13935558	0.0230819110088707	473	0.500004490846657	0.617306425333621	0.000532774615821428	0.772641118068084
SKCM	TRIM24	cg26889928	0.0218749726664355	473	0.473846714094927	0.6358297247843	0.000478514429157298	0.785587599419824
SKCM	TRIM33	cg00760200	-0.0957930396249191	473	-2.08411742099295	0.0376901278645894	0.00917630644058133	0.117231050621641
SKCM	TRIM33	cg02852257	-0.197447778489473	473	-4.36188017803535	1.58669588303351e-05	0.038985625230428	0.000195618928983091
SKCM	TRIM33	cg05792124	-0.068591971855223	473	-1.48896252489857	0.137169340504816	0.0047048586029877	0.29708007867268
SKCM	TRIM33	cg16036305	-0.085294377411642	473	-1.85392590968176	0.0643774019241061	0.00727513081803963	0.17329927005377
SKCM	TRIM33	cg17645130	-0.0679006241149593	473	-1.47388520287718	0.141183369590531	0.00461049475520099	0.30315587384686
SKCM	TRIM33	cg18199720	0.232266529765598	473	5.17148761672583	3.44621349313646e-07	0.0539477408493535	6.58871301265809e-06
SKCM	TRIM33	cg20932765	-0.389803597194059	473	-9.16686270157734	1.53279662405213e-18	0.151946844385429	1.75356442016929e-16
SKCM	TRIM33	cg20992663	-0.110637326548547	473	-2.41080738155771	0.0163008607185687	0.0122406180258099	0.0621927002815269
SKCM	TRIM33	cg21666217	0.17750132983033	473	3.90606734829173	0.000107597410506618	0.0315067220915355	0.00102591407684175
SKCM	TRIM33	cg21813112	-0.231629869673854	472	-5.15100707066938	3.82517162260788e-07	0.0536523965251264	7.24380236633781e-06
SKCM	TRIM66	cg06492264	0.0431230786797876	473	0.934760523410104	0.350392751866528	0.00185959991482315	0.549408487876699
SKCM	TRIM66	cg11245569	0.152227378387605	438	3.20869800416576	0.00143223181917127	0.0231731747307632	0.00904889483802563
SKCM	TRIM66	cg12608775	-0.00789806994445806	473	-0.171049158833404	0.864258882112458	6.23795088475517e-05	0.927905206810243
SKCM	TRIM66	cg13143389	0.0352934158501618	473	0.764805085953665	0.444772267110306	0.00124562520237245	0.636719553045839
SKCM	TRIM66	cg27044202	-0.165738391253872	473	-3.63963524081563	0.000303377226516656	0.0274692143354216	0.00246794185502841
SKCM	UBE2A	cg00142683	0.0957552467153621	471	2.08328757061789	0.0377660260416793	0.00916906727351986	0.117368577416363
SKCM	UBE2A	cg00428314	0.0844385224454805	471	1.83518910611512	0.0671107598495028	0.00712986407277592	0.178768619465169
SKCM	UBE2A	cg00935924	0.00777190214300503	471	0.168316565850281	0.866406801991315	6.04024629204461e-05	0.928992460224103
SKCM	UBE2A	cg05206294	0.0505059437189121	471	1.09517502059648	0.274002055361385	0.00255085035093792	0.47043628849893
SKCM	UBE2A	cg06206449	0.100987324295254	471	2.19826082185602	0.0284183562401991	0.0101984396683149	0.094826181922881
SKCM	UBE2A	cg06273903	0.116798913330711	471	2.54687678538086	0.0111875682681852	0.013641986155235	0.046536503360881
SKCM	UBE2A	cg09080960	0.0394968956754255	471	0.856028845824836	0.392418955601456	0.00156000476799545	0.58938619380202

SKCM	UBE2A	cg14625604	0.106756070593773	471	2.32524119483077	0.0204848463877498	0.0113968586086227	0.0741776156706889
SKCM	UBE2A	cg15661671	0.0457469228504705	471	0.991752321815788	0.321829746030014	0.0020927809502869	0.521277893669789
SKCM	UBE2A	cg16211147	0.09103244735654	471	1.97965547975518	0.0483264543061334	0.00828690647172123	0.140658043485908
SKCM	UBE2A	cg17976175	0.075351079337884	471	1.63648612598044	0.102408709288173	0.00567778515738409	0.242313496269972
SKCM	UBE2A	cg18990292	0.0476206277949105	471	1.03246307172358	0.302387342913529	0.0022677241915814	0.500761320424151
SKCM	UBE2A	cg25165659	0.0734574837692991	471	1.5951347228966	0.111355717576147	0.00539600192171684	0.257109984065496
SKCM	UHRF2	cg06523306	0.0422170084222836	473	0.915084581882154	0.360617464054692	0.00178227580012717	0.559577831385302
SKCM	UHRF2	cg08487038	-0.0569477995139942	473	-1.23528945168904	0.217341236815643	0.00324305186948608	0.404805855210435
SKCM	UHRF2	cg13428749	-0.00068395408852869	473	-0.0148119921410804	0.988188471005506	4.67793195215115e-07	0.993791816097166
SKCM	UHRF2	cg14078101	0.050745463311924	473	1.10038216034189	0.271730107998515	0.00257510204674182	0.468021986000467
SKCM	UHRF2	cg20595300	0.109314310069917	473	2.38162781804848	0.0176342551209004	0.0119496183860619	0.0660904390266091
SKCM	UHRF2	cg24119045	0.0461015212337872	473	0.999456007291691	0.318089213536672	0.00212535026006933	0.51742474529601
SKCM	USP27X	cg00478198	-0.0638327661395976	471	-1.38521340745523	0.166645694954263	0.00407462203303256	0.339124076417076
SKCM	USP27X	cg01125381	-0.113060456173075	471	-2.46428406528954	0.0140863064184119	0.0127826667500638	0.0556061359676226
SKCM	USP27X	cg01290688	-0.176288563405577	471	-3.87852035310984	0.000120108916876052	0.0310776575876021	0.0011273833348764
SKCM	USP27X	cg01855997	-0.0570866257873381	471	-1.23831065081657	0.216220362654637	0.00325888284378357	0.403479260532871
SKCM	USP27X	cg06455206	-0.180499473561073	471	-3.97424689530485	8.17235254952509e-05	0.0325800599558243	0.000808523390997413
SKCM	USP27X	cg06624970	-0.0718463629835234	471	-1.55996553982491	0.119442523635452	0.00516189987396021	0.269894030547705
SKCM	USP27X	cg16810342	-0.0347153264580057	471	-0.75226270046214	0.452270467487265	0.00120515389108591	0.642704216656563
SKCM	USP27X	cg16867483	-0.0866018727117789	471	-1.88255824485438	0.0603790308093635	0.00749988435718716	0.165391771929001
SKCM	USP27X	cg19318186	-0.0373209721544443	471	-0.808801661482791	0.419039332098418	0.00139285496255281	0.614436430975344
SKCM	USP51	cg00834229	-0.138736522535638	471	-3.03387431692978	0.00254836414278833	0.0192478226852815	0.0144680740253566
SKCM	USP51	cg01084827	-0.121009914044656	470	-2.63722487759468	0.00863685436159057	0.0146433992970951	0.0381065930243635
SKCM	USP51	cg02714202	-0.14500713208824	471	-3.17387956191177	0.00160304081558632	0.0210270683564562	0.00993522603630674
SKCM	USP51	cg03728850	-0.160818306617689	471	-3.52867598073221	0.000458804088576808	0.0258625277433809	0.00348931520840201
SKCM	USP51	cg07386410	-0.135058556642894	471	-2.95192989103929	0.00331627297964477	0.0182408137224617	0.0178401314002134
SKCM	USP51	cg12064531	-0.0998060348812279	471	-2.17228661275613	0.0303342469514701	0.00996124459871289	0.0995033904259852
SKCM	USP51	cg12517811	-0.110094143842502	471	-2.39882574772025	0.0168372270538939	0.0121207205084136	0.0637637640653597
SKCM	USP51	cg18770944	-0.121370741067188	471	-2.6480305071588	0.00836901996904353	0.0147308567871984	0.0371927757481732
SKCM	USP51	cg21331369	-0.165634673164895	471	-3.63729330828776	0.000306071097787304	0.0274348449544415	0.00248647608409206
SKCM	USP51	cg25424556	-0.120212614017252	471	-2.62239052761506	0.00901558987176774	0.0144510725688609	0.0394043934200966
SKCM	WDR82	cg01736403	0.115716684281846	473	2.52295627032908	0.0119668715433079	0.0133903510211843	0.0490335407584586
SKCM	WDR82	cg03869063	-0.175925827600774	473	-3.8702846547775	0.000124108962099833	0.0309498968170171	0.0011598909896197
SKCM	WDR82	cg10989431	0.210025279037136	473	4.65215496653234	4.27909961880787e-06	0.0441106178346266	6.20365776640961e-05
SKCM	WDR82	cg11442381	-0.217790229796776	473	-4.83255664883766	1.82918557948541e-06	0.0474325841949326	2.91537928642672e-05
SKCM	WDR82	cg11665333	-0.202092812246857	473	-4.46881215816809	9.87195052634652e-06	0.0408415047618434	0.000129354643632576
SKCM	WDR82	cg12661343	-0.0730416284744153	473	-1.58605581968497	0.113400614455574	0.00533507949019452	0.260528253001576
SKCM	WDR82	cg13539115	-0.100226822786054	473	-2.18153783362913	0.0296394703834683	0.0100454160057871	0.0977892598927662
SKCM	WDR82	cg15991175	-0.0809418879427005	473	-1.75868108073187	0.0792838227160167	0.00655158922372868	0.201687508726654
SKCM	WDR82	cg17632831	-0.0452368272731221	473	-0.980671102347962	0.327260555374714	0.00204637054173828	0.526740367524708
SKCM	WDR82	cg24007312	-0.106730260211673	473	-2.32467254349905	0.0205155370196465	0.0113913484448513	0.0742491596606829
SKCM	WDR82	cg26236504	0.181163494219323	472	3.98510720490013	7.82156834172201e-05	0.0328202116377546	0.000779491529049349
SKCM	WDR82	cg26858096	-0.132700758219829	473	-2.89946417246524	0.00391339699557773	0.0176094912321176	0.0204088493580461
SKCM	ZMYND1	cg00614684	-0.0563606239457843	473	-1.22251186864221	0.22212811603984	0.00317651993155811	0.41065196433468
SKCM	ZMYND1	cg02813021	-0.219936291876985	473	-4.88258382095257	1.43824464083159e-06	0.0483719724845982	2.35571359626654e-05
SKCM	ZMYND1	cg02867818	-0.00642207564505009	472	-0.138933603251522	0.889562380304451	4.12430555907455e-05	0.941467059185646
SKCM	ZMYND1	cg03254875	-0.100227759979736	473	-2.18155843959274	0.0296379383068366	0.0100456038705555	0.0977883523896024
SKCM	ZMYND1	cg05236965	-0.0181242563821607	473	-0.392570770606952	0.694814882957082	0.000328488669406292	0.825045149121803
SKCM	ZMYND1	cg08828193	-0.142212060851631	473	-3.11142625973387	0.00197543930076923	0.0202242702516679	0.0117760402271296
SKCM	ZMYND1	cg12639781	-0.0333858634915323	473	-0.723421156214631	0.469781816715561	0.00111461588107523	0.658513940134246
SKCM	ZMYND1	cg13939078	-0.0633582422645908	473	-1.37487426480077	0.169826893596358	0.00401426686285858	0.343468435212143
SKCM	ZMYND1	cg14255089	0.206390001033215	473	4.56801629647587	6.30198321867551e-06	0.0425968325264905	8.72032163844971e-05
SKCM	ZMYND1	cg14694828	-0.0740014395314616	473	-1.60701156379829	0.108724827671482	0.00547621305272857	0.25286473133258
SKCM	ZMYND1	cg17632565	-0.116842785257901	472	-2.54512897632956	0.0112436254035582	0.0136522364668239	0.046722215407532
SKCM	ZMYND1	cg22593633	0.00406209645187219	473	0.0879711431897586	0.929937160593995	1.65006275843126e-05	0.962839742595087
SKCM	ZMYND1	cg24757747	-0.0124201344883321	473	-0.268996246200087	0.788050864202997	0.000154259740708257	0.883264593848086
STAD	ACTL6A	cg03667091	-0.0291293347335259	443	-0.592229345922212	0.554021099798622	0.000848518142017799	0.725813264137249

STAD	ACTL6A	cg03839554	-0.179512664618932	394	-3.51001288223022	0.000503355435113169	0.0322247967585891	0.00376918208867012
STAD	ACTL6A	cg07261848	-0.167871982303334	395	-3.27556625636175	0.00115407321055417	0.0281810024424507	0.00756625742540231
STAD	ACTL6A	cg10112003	0.156973365803069	395	3.05734538971028	0.00239542452373648	0.0246406375715442	0.0137517272082913
STAD	ACTL6A	cg20132173	0.0640218483772418	395	1.23401643011843	0.217980022500941	0.00409879706963854	0.405517606868145
STAD	ACTL6A	cg22619386	0.100380507196347	395	1.94065964488708	0.053058819505879	0.0100762462249959	0.150649943597954
STAD	ACTL6A	cg25198545	0.0294655602840072	443	0.599071063521884	0.549453955658145	0.00086821924285046	0.722396840062021
STAD	ACTL6A	cg25575835	0.037325079578681	394	0.717491330009031	0.473524936458192	0.00139316156555487	0.661555571841111
STAD	ACTL6B	cg05729836	0.115588347917365	395	2.2383897368768	0.0257898391919041	0.0133606661742658	0.0881887802239556
STAD	ACTL6B	cg08572611	-0.195236743429426	443	-4.04553109216233	6.23136651381623e-05	0.0381173859849277	0.000643519084794663
STAD	ACTL6B	cg09375063	-0.0993432252739592	395	-1.92040490011564	0.055575151428259	0.00986907640783261	0.155697685472846
STAD	ACTL6B	cg14088161	-0.0590776585414679	443	-1.20270054162066	0.229781267692173	0.00349016973874227	0.419873895444022
STAD	ACTL6B	cg16024950	-0.121208914291568	395	-2.34881780686625	0.0193585521914967	0.0146916009037406	0.0709831829367127
STAD	ACTL6B	cg20497359	-0.0216986525166007	395	-0.417480207769402	0.676569341877352	0.000470831521036183	0.813154253742745
STAD	ACTL6B	cg24471254	-0.288414035144865	395	-5.79396466655236	1.47169106899391e-08	0.0831826556685433	3.88624355130048e-07
STAD	ACTL6B	cg26990587	-0.209164629889013	395	-4.11437003732082	4.7887649516308e-05	0.0437498423966076	0.000510884778726229
STAD	AEBP2	cg02664216	-0.0701486140369933	395	-1.35266775950769	0.176987827381948	0.00492082805131105	0.353140399685842
STAD	AEBP2	cg07849438	-0.170201738228915	395	-3.32237173473647	0.000981547186523037	0.0289686316961439	0.00661398716573176
STAD	AEBP2	cg08161947	-0.228923130541771	395	-4.52354944044014	8.20313867120684e-06	0.0524057996970449	0.000109742901081318
STAD	AEBP2	cg24304000	-0.00811760615264449	395	-0.156150416899474	0.875999619521106	6.58955296494517e-05	0.934385407882598
STAD	AEBP2	cg26259627	-0.0724861296757196	395	-1.39797603050458	0.162957747289673	0.00525423899536524	0.333740555289004
STAD	AFF4	cg00931577	0.00566570559031847	395	0.108983772225695	0.913274441552583	3.2100219836166e-05	0.954179775529374
STAD	AFF4	cg01907658	-0.262463806356963	395	-5.23201701879979	2.81409076679226e-07	0.0688872496473852	5.49496428493567e-06
STAD	AFF4	cg05619425	-0.0273156571562261	395	-0.52562328851694	0.599464833681209	0.000746145125876487	0.759691457452077
STAD	AFF4	cg06638012	-0.153825456371913	443	-3.16375760373358	0.00167261871307521	0.0236622710280272	0.0102789543035813
STAD	AFF4	cg07236381	0.182799196563812	48	1.1905463504561	0.24067936403805	0.0334155462643751	0.432759875967844
STAD	AFF4	cg13393914	-0.0601736500260284	395	-1.1595644874919	0.246973907820027	0.00362086815745495	0.440182555556983
STAD	AFF4	cg13565585	-0.186444225761444	395	-3.6503328795859	0.000299586745470332	0.0347614493197841	0.00244043935387264
STAD	AICDA	cg07999668	0.0975411301603036	395	1.88523083377512	0.0601820244862885	0.00951427207294929	0.165036489403816
STAD	AIRE	cg08089567	-0.19322664038065	395	-3.78818011405805	0.000177063867917766	0.0373365345527931	0.00156760060780639
STAD	AIRE	cg09510531	-0.188449421860825	395	-3.6910295647981	0.000256930419139985	0.0355131845996793	0.00214142166272018
STAD	AIRE	cg11923631	-0.145511640231116	395	-2.82908352358648	0.00492247857210476	0.0211736374427496	0.0244705283429176
STAD	AIRE	cg12843033	-0.00239276492127995	395	-0.0460258839868517	0.963314450205796	5.72532396850786e-06	0.98069861073493
STAD	AIRE	cg15955655	-0.216290585869009	395	-4.26130161410174	2.58175829866049e-05	0.0467816175355591	0.000299410560873979
STAD	AIRE	cg16501323	-0.130860025929776	395	-2.53897588098422	0.0115266077273453	0.0171243463863418	0.0476438869920641
STAD	AIRE	cg16717549	-0.163348400831212	395	-3.18484666369004	0.00157117560860709	0.0266827000541142	0.00977277007243783
STAD	AIRE	cg17356252	-0.0869209958094451	443	-1.77315439048402	0.076940065723212	0.00755525951250557	0.197494818783501
STAD	AIRE	cg18689454	-0.152097181818111	395	-2.96008670744507	0.00327366428544003	0.0231335527170116	0.0176622123185742
STAD	AIRE	cg18876487	-0.0200749530511158	443	-0.408053486477783	0.683445866871888	0.000403003740004505	0.817692285187039
STAD	AIRE	cg23272544	-0.219686312043987	395	-4.33156835959353	1.90934473891957e-05	0.0482620756994879	0.000230073675061198
STAD	AIRE	cg27251412	-0.190466671870356	395	-3.73201918733806	0.000219794563437915	0.03627755309337	0.00187918433543127
STAD	ARID1A	cg04081153	-0.0353325176686368	395	-0.680059168232274	0.496892272897236	0.00124838680480453	0.681461770639722
STAD	ARID1A	cg04360147	-0.0294179749585002	395	-0.566111060803631	0.571661468540134	0.000865417250658947	0.739431197455343
STAD	ARID1A	cg14851949	-0.118969787749666	395	-2.30479852700833	0.0217308115534838	0.0141538103972005	0.0775704250037786
STAD	ARID1A	cg17385674	-0.032780380862474	443	-0.666534268587387	0.505441832899314	0.00107455336948885	0.688634511087221
STAD	ARID1A	cg20413923	-0.0264856358558281	395	-0.509640162624062	0.610607415295467	0.000701488906687529	0.767789378442742
STAD	ARID1A	cg21294655	0.143790513989233	395	2.79491005048963	0.00546189169966832	0.0206757119132878	0.0266162868256075
STAD	ARID1A	cg24542126	-0.266792389003984	395	-5.32485876355799	1.75702175331284e-07	0.0711781788304533	3.61602513960896e-06
STAD	ARID1A	cg25601319	-0.219837266999708	395	-4.33469584202982	1.8836993233597e-05	0.0483284239619009	0.000227406122224464
STAD	ARID2	cg00035453	-0.16371031917146	395	-3.19209718760325	0.00153330283558532	0.0268010686032212	0.00957240677245202
STAD	ARID2	cg01183821	-0.169936273947556	394	-3.31255008683801	0.00101588208557265	0.0288783372031789	0.00680233525262859
STAD	ARID2	cg01353809	-0.294959770724015	395	-5.93784096355306	6.65691795109892e-09	0.0870012663455634	1.88590049194388e-07
STAD	ARID2	cg01751433	-0.0385482763544247	395	-0.742042431810094	0.458532403446462	0.0014859696098971	0.648494160522745
STAD	ARID2	cg06613666	-0.0432036259593655	394	-0.830690179428186	0.406685823819677	0.00186655329603676	0.602894417983342
STAD	ARID2	cg07276957	-0.257395909227951	395	-5.12374859526574	4.83332039676237e-07	0.0662526540872834	8.94394212525528e-06
STAD	ARID2	cg23465749	-0.0686925335710475	395	-1.32445579143109	0.186169217169661	0.00471866416840949	0.365073935128849
STAD	ARID4A	cg02136725	-0.271028632607419	395	-5.41605584609859	1.09913681295117e-07	0.0734565196930475	2.36859416140507e-06
STAD	ARID4A	cg06154646	-0.274384033929951	395	-5.48853101605278	7.53687962961005e-08	0.0752865980756725	1.68435511033003e-06

STAD	ARID4A	cg08066755	-0.242882443187085	395	-4.81615327174812	2.13776958391168e-06	0.0589918812085277	3.34717621495568e-05
STAD	ARID4A	cg08790491	-0.3112524570329	443	-6.65602011107675	8.97332781529511e-11	0.0968780920090175	3.6207005397462e-09
STAD	ARID4A	cg10064886	-0.346531097216752	395	-7.10595445009882	6.18407802685749e-12	0.120083801338246	3.05256450521162e-10
STAD	ARID4A	cg10242170	-0.277199538831658	395	-5.54951179048889	5.46995756872615e-08	0.0768395843284836	1.26382500475641e-06
STAD	ARID4A	cg10844118	-0.162744333364909	395	-3.17274796420487	0.00163630336430533	0.0264857180423885	0.0101003399129389
STAD	ARID4A	cg12203852	-0.155003325798179	443	-3.18857711862073	0.00153863141280406	0.0240260310084965	0.00959643166260556
STAD	ARID4A	cg14272338	-0.246152876678905	395	-4.88515642333694	1.54140961414413e-06	0.0605912386973001	2.5049596725032e-05
STAD	ARID4A	cg14460816	-0.301769161552001	395	-6.08848465240046	2.85439978656709e-09	0.0910646268637977	8.66387737012097e-08
STAD	ARID4A	cg17323045	-0.36600859802137	395	-7.56525809919762	3.09824972007552e-13	0.133962293825569	1.89783652538232e-11
STAD	ARID4A	cg19548283	-0.209345062075438	395	-4.11808182659792	4.7156392298855e-05	0.0438253550153689	0.000503981918188917
STAD	ARID4A	cg20996579	-0.258666290675017	395	-5.15084548928295	4.2249707342408e-07	0.0669082499315725	7.92949030879443e-06
STAD	ARID4A	cg26429530	-0.214564763009142	395	-4.22565205759469	3.00415524638034e-05	0.0460380375251692	0.000341374895175157
STAD	ARID4A	cg27026909	-0.121528495390158	395	-2.3551034439743	0.0190390528431184	0.0147691751917957	0.0700427540375273
STAD	ARID4B	cg05652840	-0.31877624854524	395	-6.4692862532322	3.12286542465742e-10	0.101618296636577	1.13417456977497e-08
STAD	ARID4B	cg06212607	0.182512618380958	443	3.77245875918873	0.000185271777868529	0.0333108558682733	0.00162712042080654
STAD	ARID4B	cg06891548	0.129278944033778	395	2.50777471611841	0.012576872395256	0.0167130453704886	0.0510125030016244
STAD	ARID4B	cg07814876	-0.245743979289043	395	-4.87651941102119	1.60615278035973e-06	0.0603901033568136	2.60147927119102e-05
STAD	ARID4B	cg10107779	-0.193522811331027	395	-3.79421223908628	0.000172972658771759	0.0374510785054644	0.00153767969563367
STAD	ARID4B	cg11732257	-0.244509595887936	395	-4.85046269588632	1.8177724417958e-06	0.0597849424812816	2.90134980174523e-05
STAD	ARID4B	cg22596515	-0.27652478129443	394	-5.52739861778388	6.15625333110065e-08	0.0764659546699324	1.40569290178939e-06
STAD	ARID4B	cg23687319	-0.306949235646381	443	-6.55435106059917	1.66918806237695e-10	0.0942178332638977	6.39984308154524e-09
STAD	ARID4B	cg26020585	-0.331197953179173	395	-6.75178164828053	5.66750487759378e-11	0.109692084190073	2.35212249178323e-09
STAD	ASH1L	cg03119126	-0.215529804932587	395	-4.24558135990491	2.7605139862971e-05	0.0464530968142791	0.000317069873099064
STAD	ASH1L	cg08095278	0.0169946961086024	395	0.326946724396704	0.743893060247948	0.000288819695823747	0.856138733401134
STAD	ASH1L	cg09410084	0.0570232100452852	395	1.09865101239948	0.272634704750545	0.00325164648386871	0.469003334962227
STAD	ASH1L	cg10558228	-0.189796374444742	394	-3.71336537436044	0.000236108591364819	0.0360226637523688	0.00199520223296054
STAD	ASH1L	cg17038116	-0.209939125868776	443	-4.36371494038922	1.61760053489332e-05	0.0440744365705456	0.00019892446413451
STAD	ASH1L	cg20064047	-0.144204879015962	395	-2.80313501135926	0.00532738194168649	0.0207950471320081	0.0260800673822641
STAD	ASH1L	cg21852905	-0.209784020446153	395	-4.12711376607769	4.54211628711288e-05	0.0440093352345518	0.000488321440629711
STAD	ASH1L	cg23821590	-0.223717187426946	395	-4.41519305065916	1.32636522605069e-05	0.0500493799502231	0.000167396587273504
STAD	ASH1L	cg24312492	-0.241486976489147	395	-4.78676350279693	2.45449517291345e-06	0.0583159598138698	3.78183793784173e-05
STAD	ASH1L	cg26185843	-0.294123440994769	395	-5.9194079080499	7.37534424049155e-09	0.0865085985426034	2.07507244066835e-07
STAD	ASH2L	cg00590869	0.138077387529335	395	2.68165799289382	0.00765399683309947	0.0190653649469262	0.0347476091056338
STAD	ASH2L	cg01642070	-0.111008800922437	395	-2.14857636097495	0.0323164610206528	0.0123229538822373	0.104338110339932
STAD	ASH2L	cg02897270	-0.0420978239686403	395	-0.81048631345132	0.418181713886367	0.00177222678289462	0.613572001508195
STAD	ASH2L	cg03189282	-0.158338783925805	395	-3.08462028782725	0.00219133732157195	0.0250711704951027	0.012785786814248
STAD	ASH2L	cg03705346	-0.0868442911716802	395	-1.67681848633891	0.0944225859758706	0.00754193090911156	0.228568648393032
STAD	ASH2L	cg10062221	-0.041978586023219	395	-0.808186632435058	0.419502458573538	0.00176220168450879	0.614856198223501
STAD	ASH2L	cg21453287	-0.0500816101243167	395	-0.964549390406743	0.335400542852048	0.00250816767264406	0.534949253318959
STAD	ASH2L	cg24318412	-0.014770287742568	443	-0.300200464646934	0.764175295256785	0.000218161399998254	0.86905616136255
STAD	ASH2L	cg27255459	0.0884696601973909	395	1.70844693081666	0.088392113213678	0.00782688077544181	0.218131457154703
STAD	ASXL1	cg00174466	-0.203080282844306	394	-3.98406441901162	8.164144318001e-05	0.0412416012801232	0.000807939757123228
STAD	ASXL1	cg04218270	-0.256833059739644	395	-5.11175227418995	5.12898048594211e-07	0.0659632205752276	9.44387947747645e-06
STAD	ASXL1	cg09065199	-0.0107223535300094	443	-0.217916499908763	0.827601797886974	0.000114968865222505	0.907357607029397
STAD	ASXL1	cg10421984	-0.385070202248067	395	-8.02586985187092	1.35065559627984e-14	0.148279060659368	9.968965982637e-13
STAD	ASXL1	cg12592359	-0.229125455202915	395	-4.52776881368747	8.04953008052236e-06	0.0524984742219429	0.00010819024586803
STAD	ASXL1	cg16926526	-0.00733637567049822	395	-0.141121801451424	0.88785052120906	5.38224079786782e-05	0.940350989554471
STAD	ASXL1	cg18793288	-0.01009656392317	395	-0.194221184530032	0.846109285107151	0.000101940603054658	0.917817861085751
STAD	ASXL1	cg24727216	-0.186997189632978	395	-3.66155087574139	0.000287207183413341	0.0349679489306321	0.00235611047415981
STAD	ASXL2	cg05165989	0.0242300249870979	395	0.466210711324802	0.641339031641825	0.000587094110875389	0.789273229043774
STAD	ASXL2	cg05496738	-0.101606233602643	395	-1.96460234321921	0.050208279632765	0.0103238267069148	0.144716669349808
STAD	ASXL2	cg06583696	0.0831081029767934	395	1.6041658306578	0.109530711522558	0.00690695678040129	0.254186270872437
STAD	ASXL2	cg09476286	-0.0732126556804006	395	-1.4120630295468	0.158771868705329	0.00536009295177689	0.328026205823084
STAD	ASXL2	cg19084174	0.041467062329958	395	0.798321528956911	0.425196022629194	0.00171951725827662	0.620024731193003
STAD	ASXL2	cg20667782	0.0957764297224102	395	1.85080479825705	0.0649944695998171	0.00917312449037177	0.174585814303656
STAD	ASXL2	cg24738909	0.0214728169232506	395	0.41313313548468	0.679748391062139	0.000461081866619437	0.815206445258236
STAD	ASXL3	cg09963640	-0.235216260337464	395	-4.65508247731941	4.51992576600277e-06	0.0553266891271417	6.51153898222999e-05

STAD	ASXL3	cg12361352	-0.225893319290789	385	-4.42412441759771	1.2809248383253e-05	0.0510277917002105	0.000162452342472577
STAD	ASXL3	cg17880622	-0.212886293591544	395	-4.19102046209513	3.47709235598456e-05	0.0453205739991451	0.000387642480282979
STAD	ASXL3	cg20034091	-0.229516882534852	395	-4.53593358143517	7.76009122241483e-06	0.0526779993685169	0.000104734305440066
STAD	ASXL3	cg20329085	-0.226762944012101	395	-4.47853832346185	1.00269344537611e-05	0.0514214327770353	0.000131186568936409
STAD	ASXL3	cg24880056	-0.215503214052488	395	-4.24503205108973	2.76696903604597e-05	0.0464416352669524	0.000317623711362196
STAD	ASXL3	cg27109877	-0.220307688197921	394	-4.33856927834066	1.85363771288653e-05	0.0485354774791124	0.000224473680318018
STAD	ATAD2B	cg08192560	-0.198123096883479	395	-3.8880460269127	0.000119769615587113	0.0392527615187005	0.00112514883166089
STAD	ATAD2B	cg14009731	0.0521023156839374	395	1.003571151261	0.316241227109985	0.00271465129962867	0.515498910858146
STAD	ATAD2B	cg15717719	-0.0855521915102847	395	-1.65168484911796	0.0994471986590572	0.00731917747221243	0.237326241938065
STAD	ATAD2B	cg16929802	-0.0788829631680888	395	-1.52208709244662	0.128841411624502	0.0062252187817805	0.284310274468408
STAD	ATAD2B	cg17933838	-0.25825253085321	395	-5.14201696774185	4.41454021894487e-07	0.0666943696920879	8.24747218522087e-06
STAD	ATAD2B	cg19614157	0.00470205404597317	395	0.0904468153169971	0.927981098300135	2.21093122512526e-05	0.962028654578991
STAD	ATAD2B	cg20806130	-0.26511110759395	395	-5.28875696332517	2.11184811389829e-07	0.0702838993696912	4.24958903705648e-06
STAD	ATAD2B	cg27610867	-0.318857667816948	395	-6.4711255658502	3.08890499496346e-10	0.101670212325663	1.12341409620471e-08
STAD	ATAT1	cg01245721	-0.245453396612219	395	-4.87038320796145	1.65373633224734e-06	0.0602473699084755	2.67021096369551e-05
STAD	ATAT1	cg05093836	0.0441386455607861	395	0.849852052321406	0.395956916571746	0.0019482200319407	0.592651705007838
STAD	ATAT1	cg06814856	-0.0721803668126259	394	-1.39016568312644	0.165316544208881	0.00521000535320523	0.337309021895134
STAD	ATAT1	cg07142893	-0.272465222009814	395	-5.44705923410595	9.3576601862834e-08	0.074237297204857	2.0425640194493e-06
STAD	ATAT1	cg07816366	-0.115811878319844	395	-2.24277723451005	0.0255026672609395	0.0134123911599703	0.0874798049692458
STAD	ATAT1	cg08081524	-0.0617559276791012	395	-1.19017068828603	0.23474238973977	0.00381379460350638	0.42580617593713
STAD	ATAT1	cg08188471	-0.204812543031648	376	-3.92026664614027	0.000106365891024029	0.0419481777830907	0.00101579034204804
STAD	ATAT1	cg08635134	-0.0629569337429042	395	-1.21340790436766	0.22574794338089	0.00396357550630843	0.415120337732922
STAD	ATAT1	cg09532691	-0.369893097060697	395	-7.65819871601214	1.66364528860341e-13	0.136820903253154	1.06695483579236e-11
STAD	ATAT1	cg12907138	0.050421409774483	395	0.971110403527518	0.332127702631934	0.00254231856364633	0.531800812978258
STAD	ATAT1	cg13542073	-0.304986935702917	395	-6.16002581882139	1.89837096203396e-09	0.0930170309494551	5.9573162815841e-08
STAD	ATAT1	cg13964084	-0.0312731652405549	442	-0.635086562596265	0.52572449947283	0.00097801086416305	0.704543697087561
STAD	ATAT1	cg15381130	-0.0773928046093629	395	-1.49315878286343	0.136247844266577	0.00598964620530303	0.29563081702977
STAD	ATAT1	cg15729859	-0.063570729875058	395	-1.22528574612784	0.221246979199195	0.00404123769684759	0.409577790729414
STAD	ATAT1	cg18298197	-0.167054567144418	395	-3.25915757619456	0.00122094046748768	0.0279072284038088	0.00793101559182835
STAD	ATAT1	cg20629923	-0.101774641821051	395	-1.96789264506626	0.0498268080611474	0.0103580777178031	0.143921911097845
STAD	ATAT1	cg22759096	-0.265493356056499	395	-5.29696033009454	2.02557564991347e-07	0.0704867221101428	4.10144799868216e-06
STAD	ATAT1	cg23328390	-0.282490924929093	395	-5.66453824159176	2.96551605924732e-08	0.0798011226672945	7.34453191839348e-07
STAD	ATAT1	cg26934609	-0.123746671813535	395	-2.39875194490834	0.0169453293783294	0.0153132387849266	0.0640665973672141
STAD	ATF7IP	cg00236831	-0.159688200996388	395	-3.11159338993885	0.00200535870177615	0.0255003215374627	0.0119242432810497
STAD	ATF7IP	cg11409060	-0.120933503433357	382	-2.30186555105416	0.0219178217168173	0.0146249122527172	0.0780426136322814
STAD	ATF7IP	cg11697652	0.0186912679827412	48	0.119703422878578	0.905302732307658	0.000349363498802647	0.949775266143983
STAD	ATF7IP	cg12526346	-0.140372570349539	395	-2.72712221191315	0.00669319863439785	0.0197044585065364	0.0312576956756121
STAD	ATF7IP	cg12948116	-0.175088567121918	395	-3.42073702864994	0.000694202952194825	0.0306560063368063	0.00495320778345815
STAD	ATF7IP	cg17439009	-0.182186814406396	395	-3.56408205725752	0.00041294803616508	0.0331920353435505	0.00318853008165725
STAD	ATF7IP	cg19789919	-0.0296329066776792	395	-0.570250767006764	0.568853737086281	0.000878109158168045	0.737212761092992
STAD	ATF7IP	cg21275967	-0.184045506694218	395	-3.60171143617318	0.000359273471539462	0.0338727485343315	0.00284240012660845
STAD	ATF7IP	cg26637901	-0.12611421305078	430	-2.54258494998434	0.0113796047121697	0.0159047947334176	0.0471721855109313
STAD	ATM	cg01756564	-0.187811349064149	395	-3.67807432270058	0.000269846312902134	0.0352731028372956	0.00223466298338393
STAD	ATM	cg01800843	-0.0777915956578543	443	-1.58571732579123	0.113568780318851	0.0060515323549951	0.26074163900734
STAD	ATM	cg01991180	-0.0894158995431321	395	-1.72686634631302	0.0850262893742703	0.00799520309110749	0.212072303801923
STAD	ATM	cg02105423	-0.13841324224984	395	-2.68830801423042	0.00750612135485906	0.019158225630113	0.0341940156163205
STAD	ATM	cg03165700	0.00560117400695541	443	0.113831092298868	0.909427004738072	3.13731502561929e-05	0.951926467451446
STAD	ATM	cg03569616	-0.145514093299258	395	-2.82913224862886	0.00492174529360026	0.0211743513487052	0.0244684466622149
STAD	ATM	cg04709886	-0.278395866864957	395	-5.57546970562252	4.76824107546228e-08	0.0775042586874907	1.12066630279309e-06
STAD	ATM	cg04826772	-0.114349458646081	395	-2.21407881006183	0.0274324584748452	0.0130757986926519	0.0923468288662275
STAD	ATM	cg05033322	0.0538648293816244	395	1.03761705537974	0.300125995004656	0.0029014198443115	0.49840191490216
STAD	ATM	cg05637308	-0.0418418351880099	395	-0.805549231889447	0.421020188540461	0.00175073917190058	0.616136769245718
STAD	ATM	cg06053805	-0.166077668570247	395	-3.23955651282577	0.0013055214333337	0.027581791997729	0.00837760738965285
STAD	ATM	cg06081482	-0.245211335833793	395	-4.86527270325952	1.69440174721589e-06	0.0601285992213931	2.72850940846436e-05
STAD	ATM	cg06750635	-0.117085533406091	395	-2.26778339296201	0.0239184192114991	0.0137090221329888	0.0833875371578096
STAD	ATM	cg09808176	-0.0676763075173111	395	-1.3047711760069	0.19278170320552	0.00458008259917766	0.373605197029801
STAD	ATM	cg10610482	-0.116773038228861	395	-2.2616470101294	0.0242990351906003	0.0136359424571991	0.084377946865043

STAD	ATM	cg10976287	-0.259636980415674	395	-5.17156933429129	3.81044382875e-07	0.0674113615993692	7.21766903369315e-06
STAD	ATM	cg11588932	-0.172615201129216	395	-3.37091942696985	0.000828163533695107	0.0297960076608798	0.00573492557773519
STAD	ATM	cg12019961	-0.0668520537342969	385	-1.27831561600427	0.201952666410154	0.00446919708849333	0.385381331059451
STAD	ATM	cg12106634	-0.0724353144832173	395	-1.39699083169168	0.163253591304335	0.00524687478428259	0.334183510044158
STAD	ATM	cg12848864	-0.0716706881986326	395	-1.38216766558697	0.167754032590309	0.00513668754686562	0.340683386842918
STAD	ATM	cg14761454	-0.0551127318693378	384	-1.04582671856913	0.296344688794511	0.00303741321410152	0.494314480039457
STAD	ATM	cg15370815	-0.0615113077925008	395	-1.18543839152258	0.236604932848642	0.00378364098634377	0.427977216937018
STAD	ATM	cg15504467	-0.0489345107181264	395	-0.942403116630232	0.346601200451859	0.00239458633922243	0.545964980667885
STAD	ATM	cg16693212	0.0358481358086249	385	0.6843787260115	0.494171540932562	0.00128508884095362	0.679363041297198
STAD	ATM	cg16788234	-0.0909252011592474	395	-1.75625606133071	0.079871981762673	0.0082673922058496	0.202805697148815
STAD	ATM	cg17114932	-0.209430697351146	395	-4.11984364013738	4.68130307453036e-05	0.0438612169929875	0.000500587342103113
STAD	ATM	cg17420659	-0.0864052208728137	395	-1.66827683803348	0.0961067671957044	0.00746586219407973	0.231471512297914
STAD	ATM	cg18042593	-0.0954300160036864	395	-1.84404898726395	0.0659753340600361	0.00910688795446384	0.176465021071564
STAD	ATM	cg18391757	-0.0787989996996725	395	-1.52045684635736	0.1292502711017021	0.00620928235366898	0.285002709282827
STAD	ATM	cg18457775	-0.164855549253696	443	-3.39673573445176	0.000748067003877114	0.0271773521197377	0.00527034273678828
STAD	ATM	cg19288979	-0.0598092346677427	395	-1.1525168056244	0.249852837535034	0.00357714455154111	0.443454441906423
STAD	ATM	cg20342375	-0.134630827617475	395	-2.61346915065943	0.00932855633008941	0.0181254597449663	0.0403843196504415
STAD	ATM	cg22477592	-0.244009728105464	443	-5.1134283513622	4.85069501243773e-07	0.059540747474101024	8.97395880612558e-06
STAD	ATM	cg22678707	-0.115187341757201	395	-2.23051957435548	0.0263119994685575	0.0132681237010902	0.0895217881765566
STAD	ATM	cg22837512	-0.169163704312458	395	-3.30151029633524	0.00105524717374236	0.0286163588567126	0.0070230044173251
STAD	ATM	cg23275463	-0.0750300568671867	385	-1.42761930558513	0.154268315714259	0.00562950943349327	0.321720755775006
STAD	ATM	cg23389069	-0.0641002117457492	395	-1.23553310626288	0.217416061339803	0.00410883714584988	0.40489467062142
STAD	ATM	cg24030675	-0.21092960745123	395	-4.15069749992509	4.11722807195111e-05	0.0444912992995301	0.000449285510772008
STAD	ATM	cg24568245	-0.171104766329603	395	-3.34052921357157	0.000921324768337078	0.0292768410607079	0.00626955379881164
STAD	ATM	cg25400013	-0.161582233155783	395	-3.14948287520912	0.0017686022873221	0.0261088180716098	0.0107582020752158
STAD	ATM	cg25740661	-0.221261143718309	395	-4.36421183523439	1.65735659340194e-05	0.0489564937195341	0.000203331333901767
STAD	ATM	cg25918541	-0.062184313171889	395	-1.19845854382021	0.23150560940582	0.00386688880465957	0.422003792708404
STAD	ATM	cg27453365	-0.103628673781535	395	-2.004127450843	0.0457848471907804	0.0107389020297198	0.13529639222109
STAD	ATM	cg27599391	-0.160309294956746	395	-3.12401425980417	0.00192470598320408	0.0256990700495288	0.0115266033300522
STAD	ATR	cg00911981	-0.0159223311999564	395	-0.306310986326779	0.759540163873163	0.000253520630841105	0.866159481490938
STAD	ATR	cg00969988	-0.338660080085773	395	-6.9233668375598	1.95784253820177e-11	0.114690649843702	8.79378766841042e-10
STAD	ATR	cg11458642	-0.131823863495375	443	-2.69928846301969	0.00723478440567075	0.0173775309868473	0.0332578631480677
STAD	ATR	cg11936145	-0.142748037304252	395	-2.77422398154602	0.00581389926174679	0.0203770021542161	0.0279759064247127
STAD	ATR	cg15135999	0.0481279736314467	395	0.926834092979565	0.354616841544866	0.00231630184586923	0.553553358873608
STAD	ATR	cg15291273	-0.157993385822237	395	-3.07771908286155	0.00224140648851707	0.0249619099635743	0.013025171910637
STAD	ATR	cg15480357	-0.11447944564489	395	-2.21662907262455	0.0272559916960776	0.0131055434751614	0.0918922679847181
STAD	ATR	cg16031872	-0.0177493016202753	395	-0.341468425444452	0.732944811945604	0.000315037708007507	0.849276247438057
STAD	ATR	cg17945282	-0.113549646919586	395	-2.19838954110963	0.0285400067610775	0.0128935223155626	0.0951178684761916
STAD	ATR	cg20032934	-0.286718220174062	395	-5.7568360797037	1.80159579143881e-08	0.0822073377797817	4.67177809997303e-07
STAD	ATR	cg20636078	-0.122170632480012	443	-2.50153938902415	0.0127515240009509	0.014925663440566	0.0515910161290814
STAD	ATR	cg24631870	-0.0573527869936833	395	-1.10502177917602	0.269868192944817	0.00328934217594281	0.465917698510563
STAD	ATR	cg24856922	-0.0563040576365554	395	-1.08475094765984	0.278738265077462	0.00317014690634056	0.475655097688779
STAD	AURKB	cg02245743	-0.0393079247461832	395	-0.756687839235784	0.449718447171755	0.0015451129478516	0.640899041534394
STAD	AURKB	cg04612488	-0.0531956313505459	395	-1.02468924665713	0.306179293790596	0.00282977519478318	0.504654876720837
STAD	AURKB	cg05617798	-0.115577299936609	395	-2.23817289393521	0.0258041045956457	0.0133581122606368	0.0882259268190419
STAD	AURKB	cg05811247	-0.0169748771977749	395	-0.326565335010618	0.744181311504476	0.000288146455879537	0.856287147491551
STAD	AURKB	cg11009596	0.00124107261500304	443	0.025221595313403	0.979890393587373	1.54026123571049e-06	0.989664496271231
STAD	AURKB	cg12844497	0.000941833847379214	443	0.0191403340187626	0.984738398724262	8.87050996069134e-07	0.991982292777107
STAD	AURKB	cg13678641	-0.0429741644188276	395	-0.827388912542017	0.408549961703604	0.00184677880749643	0.604544837098323
STAD	AURKB	cg21724796	-0.05405388242289	395	-1.04126950340379	0.298430391408854	0.00292182220498762	0.496635040078969
STAD	BAP1	cg00794529	-0.0911260967583176	395	-1.76016889514911	0.07920540390211	0.00830396551040626	0.201527561444342
STAD	BAP1	cg02503646	0.0282728778659661	395	0.54405715532557	0.586729831842517	0.000799355622823835	0.750811121977148
STAD	BAP1	cg03075736	-0.0861389239071877	395	-1.6630967896765	0.0971398353309872	0.00741991421188827	0.233194357518324
STAD	BAP1	cg05442719	-0.166625875187506	395	-3.25055483854555	0.00125741646223755	0.0277641822820022	0.00812319018961202
STAD	BAP1	cg05908979	-0.0340339613712839	395	-0.655035795465325	0.512851725370344	0.00115831052662205	0.694640966193445
STAD	BAP1	cg09096430	0.029529311027892	395	0.568255446482418	0.570206225559792	0.000871980209781981	0.738252223666053
STAD	BAP1	cg10449522	0.0629464751612092	395	1.21320552772185	0.225825196085406	0.00396225873522073	0.415227145625472

STAD	BAP1	cg10956904	-0.136557728924717	395	-2.65158006033092	0.00835610723949488	0.0186480133290764	0.037152369354133
STAD	BAP1	cg11234564	0.0248201171707307	395	0.477571610078088	0.633237133720427	0.000616038216368803	0.783965650502839
STAD	BAP1	cg12859382	0.262692463936392	395	5.23691283444784	2.74550888988698e-07	0.0690073306089724	5.38402113889255e-06
STAD	BAP1	cg16841708	0.00363224820876092	395	0.0698681501975389	0.944336349078336	1.31932270500469e-05	0.97021489903723
STAD	BAP1	cg24291822	0.0281765538820565	395	0.542202110250493	0.588005674995953	0.000793918188668435	0.751717507122451
STAD	BAP1	cg24747396	0.0856557360608802	443	1.74715139477619	0.0813543658329988	0.00733690512013118	0.205407530926951
STAD	BAP1	cg25749966	-0.0976909669219111	395	-1.88815469344245	0.0597873313997557	0.00954352501813792	0.164224726148998
STAD	BAZ1A	cg00169548	-0.135146082810909	48	-0.873369728212137	0.387548341578493	0.0182644636991332	0.585450330791255
STAD	BAZ1A	cg05294307	-0.0284124864558041	385	-0.542294625916823	0.587947393836429	0.000807269386601251	0.751685529192496
STAD	BAZ1A	cg07414384	-0.206098619317059	443	-4.28031192846629	2.32244277064994e-05	0.0424766408843982	0.000273012369966569
STAD	BAZ1A	cg23422263	-0.235920681307425	395	-4.66984379278732	4.22382010783708e-06	0.0556585678685594	6.13037054979622e-05
STAD	BAZ1A	cg26967526	0.0721458178797666	394	1.38949680179498	0.16551954927707	0.00520501903754045	0.337621628406976
STAD	BAZ1B	cg00525989	0.03389609894562	395	0.652379363296695	0.514561559021647	0.00114894552373126	0.696073623192078
STAD	BAZ1B	cg04742505	-0.00957564177168415	395	-0.184199592207728	0.853957790590382	9.16929153396224e-05	0.922107767766478
STAD	BAZ1B	cg05166819	-0.0681743270474679	395	-1.31441745589513	0.189519970755084	0.00464773886837511	0.369446879116971
STAD	BAZ1B	cg06059318	0.0415862009654211	395	0.800619147037409	0.423865938514154	0.00172941211073639	0.61891861893331
STAD	BAZ1B	cg06394887	-0.0213190632432061	395	-0.410173592364739	0.68191600886878	0.000454502457567821	0.816614559428479
STAD	BAZ1B	cg14093368	-0.0722465462031873	443	-1.47207012200732	0.141763539393734	0.00521956343828928	0.303950714335989
STAD	BAZ1B	cg15636799	-0.296319034969329	395	-5.96783163004964	5.63154183034787e-09	0.0878049704851543	1.61660577546156e-07
STAD	BAZ1B	cg19160975	-0.266461367332667	395	-5.31774668139823	1.82200237085714e-07	0.0710016602807946	3.73690620718325e-06
STAD	BAZ1B	cg20612831	0.0743656750498075	395	1.43442418432819	0.15229588216492	0.00553025362561356	0.319034666547762
STAD	BAZ1B	cg21340129	-0.141554191939524	395	-2.7505458467917	0.00624193604095486	0.0200375892556516	0.0295908087976869
STAD	BAZ1B	cg25710357	-0.0623523487664865	395	-1.20170966325713	0.230244632141236	0.00388781539669757	0.420431681167882
STAD	BAZ2A	cg14634319	0.075209386881291	443	1.5327765377176	0.126096554890961	0.0056564518750597	0.280128944862283
STAD	BAZ2A	cg18206859	0.162809002201158	395	3.17404302292489	0.0016292146575896	0.0265067711977365	0.0100645696079191
STAD	BAZ2A	cg18955060	-0.0867638127948857	395	-1.67525279109041	0.0947295080470309	0.00752795921070597	0.229119119170834
STAD	BAZ2A	cg25683012	0.0709471402295116	443	1.44545870942865	0.149087433067324	0.00503349670674599	0.314490842160563
STAD	BRD7	cg03021120	-0.0171170707098979	395	-0.329301674375275	0.742114006064109	0.000292994109687643	0.854947161694601
STAD	BRD7	cg16433860	0.0431481228723774	395	0.830744398818362	0.406653775502125	0.00186176050740978	0.602885747173066
STAD	BRD7	cg16834187	0.0431776401432944	432	0.866517097452799	0.386723537658732	0.00186430860834382	0.584670742253012
STAD	BRD8	cg01096096	-0.0165865557807968	395	-0.319092667126613	0.749836312052242	0.000275113832669484	0.859883340602496
STAD	BRD8	cg03204906	-0.232416141299936	395	-4.5964817795866	5.90473116720499e-06	0.0540172627367519	8.24095712778644e-05
STAD	BRD8	cg03684156	-0.15136713872005	395	-2.94554475732487	0.00342778852021262	0.0229120106842947	0.0183259831036644
STAD	BRD8	cg07430605	-0.20047593262389	443	-4.15857720595483	3.89668210957136e-05	0.0401905995614187	0.00042791994357989
STAD	BRD8	cg07632946	-0.161372069994925	395	-3.14527687685135	0.00179354892032116	0.0260409449744469	0.010873390329447
STAD	BRD8	cg08976717	-0.110042308395451	395	-2.1296395707192	0.033860940248888	0.0121093096369996	0.108054489253777
STAD	BRD8	cg11110536	-0.0926140866695319	395	-1.78915718209297	0.0744073454559715	0.00857736904963156	0.19272974070726
STAD	BRD8	cg11346339	-0.141602711222863	395	-2.75150791459241	0.00622400379603107	0.0200513278256654	0.0295273906152238
STAD	BRD8	cg12964860	-0.261275121863698	395	-5.20658117395213	3.19800580930248e-07	0.0682646893048903	6.16674616735468e-06
STAD	BRD8	cg14473243	-0.0208540345329242	395	-0.401222616967288	0.688487844193752	0.000434890756300395	0.821012525909066
STAD	BRD8	cg22106577	-0.088472199787388	395	-1.7084963599997	0.0883829386587077	0.0078273301352195	0.218122654971623
STAD	BRD8	cg22818036	-0.116432570986938	395	-2.2549621225861	0.0247196614548183	0.0135565435866284	0.0854706045399931
STAD	BRD8	cg23298160	0.0583557154624906	395	1.12441076013787	0.261567739328192	0.00340538952713917	0.456938846521544
STAD	BRD8	cg26008208	-0.0240682258231456	395	-0.463095717748283	0.643568020931001	0.000579279494273933	0.790773252110986
STAD	BRD8	cg26630792	-0.050766677226917	395	-0.977777337891261	0.328823321357236	0.00257725551666197	0.528533264358041
STAD	BRD8	cg27119451	0.047778934777107	440	0.968555847683314	0.333337836313801	0.00228282660843504	0.53294881733097
STAD	BRD9	cg02364331	0.0515489174222069	395	0.99288329197566	0.321415700532997	0.00265729088740151	0.520899400176325
STAD	BRD9	cg02822723	-0.0200608561887098	443	-0.407766831235411	0.683656160244975	0.000402437951024098	0.817755236712911
STAD	BRD9	cg05193570	-0.0890216056312428	395	-1.71919048432646	0.0864160516320639	0.00792484626916453	0.214628340676769
STAD	BRD9	cg07308931	-0.0961708945937338	395	-1.85849853643936	0.0638921708991181	0.00924884096695905	0.172344921738072
STAD	BRD9	cg09497020	-0.093915266189606	395	-1.81451602313397	0.0704080228441271	0.00882007722346456	0.185159239472844
STAD	BRD9	cg10551270	-0.346281552107103	395	-7.10013979504616	6.41740914022096e-12	0.119910913329705	3.16172214473939e-10
STAD	BRD9	cg10600960	-0.193610806154534	395	-3.79600464057497	0.000171774294741944	0.0374851442598085	0.00152859865993535
STAD	BRD9	cg13722821	-0.25229007323347	395	-5.01512754646799	8.24036122641839e-07	0.0636502810521496	1.44056328370335e-05
STAD	BRD9	cg17977043	-0.11727405509204	395	-2.27148567221891	0.0236913010997812	0.0137532039977309	0.0828072551447355
STAD	BRD9	cg20079193	-0.203220399543214	395	-3.99233031456066	7.89215584413628e-05	0.0412985307905034	0.000785821543246816
STAD	BRD9	cg21160852	0.0955631532866141	395	1.84664536988885	0.0655969303120616	0.0091323162660809	0.175736882591657

STAD	BRD9	cg21758832	-0.0898174010724829	395	-1.73468336264473	0.0836296777485124	0.00806716553541525	0.209461917281641
STAD	BRD9	cg21910709	-0.302791606101186	395	-6.11119179941664	2.50879398045768e-09	0.0916827567253359	7.71038604682736e-08
STAD	BRD9	cg24953233	-0.255214962488846	395	-5.07729583488846	6.07887371071303e-07	0.0651346770781832	1.09951151232553e-05
STAD	BRD9	cg25523559	-0.198475760136616	395	-3.89525037622131	0.000116401491418526	0.0393926273618076	0.00109748365330418
STAD	BRD9	cg25951128	-0.158378612641557	395	-3.08541615759895	0.00218562986079437	0.0250837849422642	0.0127582268620573
STAD	BRD9	cg26504197	-0.050660753320898	395	-0.975731965268198	0.329834801231511	0.00256651192704088	0.529480789232665
STAD	BRDT	cg00308185	-0.152524151450175	395	-2.96859394205729	0.00318646492312279	0.0232636167755959	0.0173009388769831
STAD	BRDT	cg01515515	-0.122686533523965	395	-2.37788640140976	0.0179194625348279	0.0150519855081269	0.066898294866801
STAD	BRDT	cg02935097	-0.418057367791613	395	-8.85217021950862	3.6070044512495e-17	0.174771962764852	3.65845246780317e-15
STAD	BRDT	cg03421440	-0.31404904798522	395	-6.36276705443587	5.85896731172384e-10	0.0986268045404231	2.01856732970879e-08
STAD	BRDT	cg06442199	-0.30193550946628	395	-6.0921774431595	2.79518488214432e-09	0.0911650518766623	8.50682721689069e-08
STAD	BRDT	cg09250199	-0.158300774882672	395	-3.08386079372124	0.00219679670708135	0.0250591353284544	0.012809954503462
STAD	BRDT	cg13299824	-0.271476685369036	395	-5.42572117752662	1.04544019700471e-07	0.0736995906989588	2.26228024160736e-06
STAD	BRDT	cg14732540	-0.243292538921774	443	-5.09745199642672	5.25188208736269e-07	0.0591912594950028	9.65189971897692e-06
STAD	BRDT	cg19245011	-0.046483591700026	395	-0.895097291084583	0.371316999562474	0.00216072429733472	0.569950567538044
STAD	BRPF1	cg04879506	-0.353381897796958	395	-7.2662619439422	2.20847707244937e-12	0.12487876569058	1.19392818189108e-10
STAD	BRPF1	cg13694772	0.344064782427111	395	7.0485617415542	8.90469810098611e-12	0.118380574506615	4.27753522858318e-10
STAD	BRPF1	cg14712964	0.170074361201947	443	3.50741820630029	0.000502142651092567	0.0289252883382505	0.00376154890699038
STAD	BRPF1	cg17738494	0.192807716708056	443	3.99324279456937	7.71459619412808e-05	0.0371748156221741	0.000769718220246248
STAD	BRPF1	cg20952324	0.29981273803907	395	6.04509938721401	3.64887224989797e-09	0.0898876778904839	1.08343651835329e-07
STAD	BRPF1	cg25467642	0.119068045547725	395	2.30672943630221	0.0216216542271742	0.014177199470555	0.0772851943093545
STAD	BRPF1	cg26227975	0.0110220884593095	395	0.212026984268836	0.832202731498905	0.000121486434004844	0.909990713120232
STAD	BRPF3	cg01499736	0.0618380424010614	395	1.19175928778414	0.234119490289189	0.00382394348799547	0.425070946608974
STAD	BRPF3	cg05882415	-0.125726961402248	395	-2.43775022383428	0.0152491007368677	0.0158072688234424	0.059157659338946
STAD	BRPF3	cg10562781	-0.018327343605738	395	-0.352592714512049	0.724594563223791	0.000335891523642785	0.844000560750908
STAD	BRPF3	cg14654948	-0.13425263213618	395	-2.60599263149855	0.00953081822196735	0.0180237692354924	0.0410224893637119
STAD	BRPF3	cg18779695	0.134934849297246	395	2.61948017650592	0.00916873808094817	0.0182074135548704	0.0398937776107531
STAD	BRPF3	cg23517469	0.0277721774144156	395	0.534414633907636	0.593375661232398	0.000771293838337773	0.755406211940777
STAD	BRWD3	cg03164831	0.00234185655349363	443	0.0475922794835294	0.962064190295142	5.48429211714106e-06	0.980106956607672
STAD	BRWD3	cg05835545	-0.141313269785563	395	-2.74576900545826	0.0063316663753217	0.0199694402174874	0.0299201591280055
STAD	BRWD3	cg09523186	-0.164823839606901	395	-3.21441332060887	0.00142196910054795	0.0271668981027616	0.00899720733696849
STAD	BRWD3	cg11957438	-0.182855827393085	380	-3.50928430027423	0.000506953234101284	0.0334362536116096	0.00379210768208416
STAD	BRWD3	cg15511898	-0.171032027569126	395	-3.33906631127829	0.00092604637824769	0.0292519544544061	0.00629782777772539
STAD	BRWD3	cg22618269	-0.179330588312567	395	-3.50633438385916	0.00051013509288897	0.0321594599045315	0.00381224297946249
STAD	BRWD3	cg25063710	-0.139797950421147	443	-2.86920552032863	0.00432629891582186	0.0195434669419535	0.0221028500595945
STAD	BRWD3	cg25708850	-0.202650937962291	381	-3.91010738923123	0.000110413629800289	0.0410674026569962	0.00104967834738894
STAD	CARM1	cg12317676	0.223572482250278	443	4.6615255005276	4.24270211655605e-06	0.0499846548195509	6.1531836028218e-05
STAD	CARM1	cg17918830	-0.131711303940781	395	-2.55578319882089	0.0109938723135829	0.0173478675857807	0.0458927507385096
STAD	CARM1	cg22378614	0.00918375296990709	395	0.176660465549073	0.859871754096247	8.43413186122774e-05	0.925481304917936
STAD	CARM1	cg26504915	0.0690811630393111	395	1.33198475693218	0.183685079013815	0.00477220708686388	0.361926959186799
STAD	CBX1	cg01544580	-0.0214677679072475	395	-0.413035948529563	0.679819530308787	0.000460865058919446	0.815253204574298
STAD	CBX1	cg01553295	-0.0819754424982644	395	-1.5821540976316	0.114468784092436	0.00671997317278625	0.262111749858332
STAD	CBX1	cg02835499	-0.177756669602501	395	-3.47455188267615	0.000572374972319909	0.0315974335881728	0.00420386504877785
STAD	CBX1	cg04864609	-0.142501829324329	395	-2.76933980705301	0.00589995282061058	0.0203067713607803	0.0282992377215833
STAD	CBX1	cg11729481	-0.0696750543075796	395	-1.34349146225179	0.17993626297761	0.00485461319276417	0.35696337129801
STAD	CBX1	cg12245530	-0.0478892830816046	395	-0.922226869440366	0.357011209036817	0.00229338343407006	0.555889075613669
STAD	CBX1	cg13342109	-0.148387872608713	395	-2.88625071225427	0.00412729623906573	0.0220189607373395	0.0212790034874332
STAD	CBX1	cg17778721	-0.0397515937925903	443	-0.808486880320966	0.41927581840695	0.00158018920905111	0.614663378763928
STAD	CBX1	cg21511817	-0.160777546384992	395	-3.13338104454814	0.00186587423816042	0.0258494194215784	0.0112313386322696
STAD	CBX4	cg04398978	0.0206685635479392	443	0.420124591459419	0.674612923949467	0.0004271895191352	0.811881589172891
STAD	CBX4	cg04925705	0.15360675916411	395	2.99017219797484	0.00297473533955316	0.0235950364609009	0.0163545272795194
STAD	CBX4	cg05949524	-0.0519552077196115	395	-1.00072994418441	0.317611396054187	0.00269934360918798	0.516876784817677
STAD	CBX4	cg07159673	0.166009987934495	395	3.23819889310041	0.00131157627670249	0.0275593160940111	0.00840813884382312
STAD	CBX4	cg10756274	0.00806987255879178	394	0.155022237549193	0.87688854652411	6.51228431151406e-05	0.934846275757447
STAD	CBX4	cg21365914	0.041954526199952	395	0.807722607177689	0.41976925417812	0.00176018226866246	0.61510914425837
STAD	CBX4	cg22353329	0.131419739491448	395	2.55002601242061	0.0111738297030563	0.017271147928	0.046494271925522
STAD	CBX4	cg27487227	0.0916630439284399	395	1.7706280540588	0.0774458907134792	0.0084021136222271	0.198374291994482

STAD	CBX5	cg03689456	-0.223916662823626	395	-4.41933752320368	1.30243886456579e-05	0.0501386718900695	0.000164831509728373
STAD	CBX5	cg05754589	-0.135443624447654	443	-2.77814011679297	0.00571641167235648	0.0183449754035171	0.0275955649791685
STAD	CBX5	cg06399839	-0.237432224161692	395	-4.70154489553823	3.64968240587223e-06	0.056374061070368	5.38856316345463e-05
STAD	CBX5	cg06621757	-0.102532583866155	395	-1.98270317650577	0.0481397833129165	0.0105129307542701	0.140319468809061
STAD	CBX5	cg08288469	-0.00103923514232003	395	-0.0199900978876639	0.984062047112765	1.08000968103293e-06	0.991642628249288
STAD	CBX5	cg09060496	-0.181375602112255	395	-3.5476714128546	0.000438636348644993	0.0328971090415832	0.00335495783172634
STAD	CBX5	cg09158487	-0.221276565794454	395	-4.36453168457938	1.65505263627812e-05	0.0489633185697871	0.000203080701556184
STAD	CBX5	cg09653879	-0.189003142250356	395	-3.70227606747156	0.000246192244260487	0.0357221877805084	0.0020649730447372
STAD	CBX5	cg11005091	-0.176611046050447	443	-3.64648062029956	0.000299828661522163	0.0311914615870333	0.0024418285548286
STAD	CBX5	cg11338003	-0.184455071692574	395	-3.61000847391643	0.000348354976662892	0.0340236734731126	0.00276840607360436
STAD	CBX5	cg12263485	-0.00238332850350036	443	-0.0484350961566489	0.96139290292859	5.68025475559728e-06	0.979816870308994
STAD	CBX5	cg12600134	-0.12437516023819	395	-2.41112572918892	0.0163899524942843	0.0154691804842756	0.0624560354807913
STAD	CBX5	cg13445218	-0.104153800943565	395	-2.01439424478118	0.0446913255754136	0.0108480142509918	0.132917268104665
STAD	CBX5	cg14017196	-0.1641780048087	395	-3.20146857224312	0.00148560240484918	0.0269544172629654	0.0093285134783144
STAD	CBX5	cg14394617	-0.0134112805606697	395	-0.257994335132805	0.79655471776571	0.000179862446276998	0.888583932688037
STAD	CBX5	cg15708001	-0.222985402604181	395	-4.39999385569226	1.41776560747235e-05	0.0497224897745486	0.000177492207382852
STAD	CBX5	cg20545544	-0.198166901412878	395	-3.88894079821961	0.000119346335886976	0.0392701208155813	0.00112157874534808
STAD	CBX5	cg20927027	0.0105294059525837	395	0.202548395332455	0.839599357372307	0.0001108683891394	0.914159644045701
STAD	CBX5	cg21826008	-0.0924074848466333	395	-1.78513154885072	0.0750590458967398	0.00853914325568076	0.193972142859216
STAD	CBX5	cg24505978	-0.116969164119532	395	-2.26549820121532	0.0240595497453067	0.013681785354822	0.0837294718120423
STAD	CBX5	cg25817259	-0.102019267338196	395	-1.9726723588866	0.0492770060577191	0.0104079309082222	0.142787534862978
STAD	CBX6	cg03028106	-0.350684617368177	395	-7.20298906473678	3.32239676499863e-12	0.122979700858665	1.72884638084484e-10
STAD	CBX6	cg04134624	-0.173130314126182	443	-3.57237037343235	0.000395473526807873	0.0299741056694304	0.00307654675444917
STAD	CBX6	cg04215348	-0.170553492814939	395	-3.32944355046485	0.000957669850365014	0.0290884939113754	0.00647609251906258
STAD	CBX6	cg04801716	-0.179993220843081	395	-3.51972337922799	0.000485861497559489	0.032397559549466	0.00365790277181292
STAD	CBX6	cg06060673	-0.253149982538572	395	-5.03338951216088	7.53825776504567e-07	0.0640849136592795	1.32796925854611e-05
STAD	CBX6	cg09913544	-0.244973625219236	395	-4.86025498354019	1.73526675218983e-06	0.0600120770530548	2.78566532645183e-05
STAD	CBX6	cg14498989	-0.164373628982969	395	-3.20538910527079	0.00146605720525127	0.0270186899050307	0.00922439778593635
STAD	CBX6	cg24649346	-0.146242728484558	443	-3.00430349079027	0.00282397855331611	0.0213869356346081	0.015689800569681
STAD	CBX6	cg25836955	-0.282072998112549	395	-5.65543292556214	3.11389322724513e-08	0.0795651762642019	7.64557139658403e-07
STAD	CBX7	cg00545295	-0.223286009388083	395	-4.40623651936601	1.37951820408334e-05	0.0498566419884552	0.000173401582110937
STAD	CBX7	cg01525244	-0.0251304312865538	395	-0.483546210589964	0.628993989007604	0.000631538576648202	0.780934136308588
STAD	CBX7	cg02523424	-0.046312651487444	395	-0.891798543923364	0.37308050474786	0.00214486168779744	0.571646515889845
STAD	CBX7	cg03804568	-0.0215106219171449	443	-0.437248664353261	0.662159563790815	0.000462706855262354	0.803469570525684
STAD	CBX7	cg10339854	-0.0694608742208844	395	-1.33934153587361	0.181281647636477	0.00482481304752952	0.358564989845378
STAD	CBX7	cg22268271	-0.086530386568323	395	-1.67071170423461	0.0956242361044762	0.00748750779966341	0.230628406064068
STAD	CBX7	cg26672614	-0.0953524808953935	395	-1.84253697893861	0.0661965291632015	0.00909209561290638	0.176910673321725
STAD	CBX7	cg27062573	-0.105015391606727	395	-2.03124295160078	0.0429447163189479	0.0110282324743142	0.128954497445025
STAD	CDYL2	cg01442398	-0.262873433000921	395	-5.2407882572044	2.69237289865413e-07	0.0691024417776895	5.28915296156311e-06
STAD	CDYL2	cg02461391	-0.256035038456741	395	-5.0947531479727	5.57810381835329e-07	0.0655539409175449	1.01936342129428e-05
STAD	CDYL2	cg06919916	-0.272751792198078	395	-5.45324847403115	9.06104420737381e-08	0.0743935401472635	1.9828266471686e-06
STAD	CDYL2	cg10112854	-0.190322343078486	395	-3.72908486851582	0.000222275093944674	0.0362225942748849	0.0018960163002557
STAD	CECR2	cg03927893	-0.309376990362255	395	-6.25800632938563	1.07947755557209e-09	0.0957141221656069	3.54931855275465e-08
STAD	CECR2	cg12632097	-0.244418739192523	395	-4.84854578640388	1.83436062507185e-06	0.0597405200684627	2.92302848150019e-05
STAD	CECR2	cg13466481	-0.263129305936878	395	-5.24626874816986	2.6189288630649e-07	0.0692370316428234	5.1605104349866e-06
STAD	CECR2	cg26796679	-0.315609829850067	395	-6.39787788705832	4.7656920243394e-10	0.0996095646979882	1.66326713926182e-08
STAD	CHAF1A	cg03006338	0.0630786009496338	395	1.21576223027477	0.224850624454425	0.00397890989776314	0.414147341027185
STAD	CHAF1A	cg04346879	-0.00269381927526793	395	-0.0518168363614941	0.958702603060885	7.25666228780505e-06	0.978308905821629
STAD	CHAF1A	cg05297461	0.0968027640322165	395	1.87082451405279	0.0621585413677161	0.00937077512427699	0.168969234997558
STAD	CHAF1A	cg07783855	0.0678536691646736	395	1.30820643075683	0.191615411585905	0.00460412041910898	0.372070684721332
STAD	CHAF1A	cg09700233	-0.00973627732651309	395	-0.187289910999371	0.851535992035264	9.47950961787728e-05	0.920853943178728
STAD	CHAF1A	cg18804734	0.0799311910981614	395	1.54244238326846	0.123820931241623	0.0063889953103708	0.276648206387468
STAD	CHAF1A	cg23811775	0.0757966754830374	395	1.46218443785756	0.14453950026967	0.00574513601428089	0.307913759005087
STAD	CHAF1A	cg24085258	-0.0660145612656355	443	-1.34450724225096	0.179522385398237	0.00435792229909434	0.356427742887576
STAD	CHAF1B	cg00660452	0.053153800395013	395	1.02388118734276	0.306560337806745	0.00282532649643288	0.505029289680893
STAD	CHAF1B	cg02544117	0.101404099783221	349	1.84038528941836	0.0666204775231633	0.0102827914528454	0.177762765509757
STAD	CHAF1B	cg02908490	-0.123113833499476	395	-2.38629548135549	0.0175211005683169	0.0151570159989367	0.0657677441549648

STAD	CHAF1B	cg04634639	-0.131037244102089	395	-2.54247433868263	0.0114138596848996	0.0171707593418704	0.0472894083649007
STAD	CHAF1B	cg07872789	-0.0378541270175349	395	-0.728660920499229	0.46667003931141	0.00143293493225967	0.655886584561008
STAD	CHAF1B	cg13854874	-0.0884754907876426	443	-1.80511345652414	0.071785089943969	0.00782791247011424	0.187750517941661
STAD	CHAF1B	cg25942896	-0.0685199810837488	395	-1.32111310572398	0.18728007416421	0.00469498780771729	0.366568526595309
STAD	CHD1	cg03255775	-0.0215555408550989	395	-0.41472546749824	0.678583238405309	0.000464641341555838	0.814453533846609
STAD	CHD1	cg03833628	-0.329250321297209	395	-6.70723380992441	7.44451318555778e-11	0.108405774074315	3.0416935859101e-09
STAD	CHD1	cg08865521	-0.0329903193342455	395	-0.634927071759133	0.52586840225732	0.00108836116977549	0.704666376456911
STAD	CHD1	cg11365324	-0.263769560373035	395	-5.259987444446095	2.44350168321699e-07	0.069574380979384	4.84305146354605e-06
STAD	CHD1	cg12662497	-0.128399644018336	395	-2.49043099050552	0.013196748154948	0.0164864685840354	0.0529380614637252
STAD	CHD1	cg16890600	-0.0969475957382969	395	-1.87365009028562	0.0617666829866637	0.00939883631943624	0.168150802640836
STAD	CHD1	cg21082921	-0.266048917416893	395	-5.3088792710873	1.90620959977177e-07	0.070782026458701	3.88605004205045e-06
STAD	CHD4	cg00079216	-0.0456630824915032	395	-0.879264091808984	0.379828774167191	0.00208511710262582	0.578288363043421
STAD	CHD4	cg00824109	-0.160601440740161	443	-3.3067304941862	0.00102647389337402	0.0257928227678154	0.00686026718738302
STAD	CHD4	cg04344119	0.0203563965204536	395	0.391644258928484	0.695546541707746	0.000414382879297934	0.825458695349196
STAD	CHD4	cg05147525	-0.0803961479928803	395	-1.55147291616815	0.121643296099115	0.00646354061209311	0.273239932340096
STAD	CHD4	cg11565429	-0.0403954034540553	395	-0.77765584379083	0.437268878770034	0.0016317886202159	0.630168509506849
STAD	CHD4	cg19509514	-0.190927887783545	395	-3.74139775718353	0.000212040218236073	0.0364534583334858	0.00182169594008361
STAD	CHD4	cg20308811	-0.219846368980345	395	-4.33488442717986	1.88216349932566e-05	0.048332425953842	0.000227255978995096
STAD	CHRA1	cg00296189	-0.296908377240409	395	-5.9808471559499	5.23614623506547e-09	0.0881545844755329	1.51371519959377e-07
STAD	CHRA1	cg07270064	-0.367064402963843	395	-7.59047376436517	2.6186370399505e-13	0.134736275923202	1.61806393872843e-11
STAD	CHRA1	cg08877624	-0.140776584299422	395	-2.73512975727068	0.0065357215006925	0.0198180466870123	0.0306806612614574
STAD	CHRA1	cg12002314	-0.00066367588135448	443	-0.0134874906526093	0.989245378525006	4.40465675491655e-07	0.994314147234511
STAD	CHRA1	cg18770186	0.00218299424729078	395	0.041990832804075	0.966528656005302	4.76546388370462e-06	0.982408919550497
STAD	CHRA1	cg19486048	0.114762539615239	395	2.2221835963737	0.0268750443749341	0.0131704404989393	0.0909521556577031
STAD	CHRA1	cg22610305	-0.0926703704174305	443	-1.89142356177618	0.0592672798416728	0.00858779755330378	0.163187610260905
STAD	CHRA1	cg23548819	-0.118238655496855	395	-2.29043286295562	0.0225581514338501	0.0139803796537039	0.0797278103059803
STAD	CLOCK	cg05960024	-0.0857816174387824	443	-1.74973806330661	0.0809062093659732	0.00735848589041362	0.204597004564461
STAD	CLOCK	cg06085476	-0.141199598718072	395	-2.74351538540397	0.00637440270761237	0.0199373266781444	0.0300794786022077
STAD	CLOCK	cg07236904	-0.133083831933715	395	-2.58289401879052	0.0101807384977041	0.0177113063221613	0.0432291016151078
STAD	CLOCK	cg07500410	-0.0914198639735345	395	-1.76589097518175	0.0782387939923239	0.00835759152893956	0.199675504882844
STAD	CLOCK	cg11774413	-0.261082839520346	394	-5.19543392856831	3.38624578090486e-07	0.0681642490920068	6.49161173680909e-06
STAD	CLOCK	cg18928811	-0.0161604931412279	395	-0.310893891611981	0.756056359063264	0.000261161538567674	0.863934106834239
STAD	CLOCK	cg22523077	-0.118629201878514	395	-2.29810604830211	0.0221128835932198	0.0140728875383332	0.0785380436435249
STAD	CLOCK	cg23506964	-0.17687140569922	395	-3.45668766280374	0.000610406009140492	0.0312834941540182	0.0044375222012032
STAD	CREBBP	cg00039463	0.00475692646542429	395	0.0915023427949134	0.927142963035188	2.26283493974541e-05	0.961504354069898
STAD	CREBBP	cg00747661	0.11421175319968	395	2.21137724213533	0.0276204735471796	0.0130443245689447	0.0928327624267384
STAD	CREBBP	cg03039399	-0.245679592922861	395	-4.8751596504784	1.6165817829093e-06	0.0603584623787427	2.61564815348682e-05
STAD	CREBBP	cg03264209	-0.102634998859395	443	-2.09686300428935	0.0366133367967019	0.0105339429908681	0.114711958226445
STAD	CREBBP	cg08506924	-0.0224758647427135	395	-0.432441131195183	0.665672758550192	0.000505164495932753	0.805884725542782
STAD	CREBBP	cg24567591	0.00938812431628467	395	0.180592135431337	0.856786603463565	8.81368781780155e-05	0.923796718407847
STAD	CTCF	cg01866162	-0.30434671335141	443	-6.49307915464252	2.41774227884672e-10	0.0926269219278055	8.9436920038327e-09
STAD	CTCF	cg04487155	-0.170725279786342	395	-3.33289770114538	0.000946204617914673	0.0291471211581249	0.0064094878648077
STAD	CTCF	cg06241380	-0.179643067746664	395	-3.51264765336179	0.000498551360740515	0.0322716317894326	0.00374004865549157
STAD	CTCF	cg07967402	-0.0295577755085738	395	-0.56880368932061	0.56983445670521	0.000873662093015243	0.738016543883813
STAD	CTCF	cg08324636	0.125803532485445	395	2.43925874634956	0.0151866152904993	0.0158265287858165	0.0589505289111874
STAD	CTCF	cg10218542	-0.209602652714977	395	-4.12338165564129	4.6130679590464e-05	0.0439332720251552	0.000494651002029899
STAD	CTCF	cg10481400	-0.0184096254569337	395	-0.354176238879431	0.723408561958093	0.00033891430946458	0.84326516211296
STAD	CTCF	cg23858565	-0.118504662298476	443	-2.42538983834804	0.0157197245223181	0.014043354986476	0.0605044733058792
STAD	CXXC1	cg02159718	0.0791545079154326	395	1.52735966544231	0.127525977080289	0.00626543612333429	0.282369558981756
STAD	CXXC1	cg07675399	0.181926694460702	395	3.55881907056287	0.000421028613733164	0.0330973221573975	0.00324163697315497
STAD	CXXC1	cg11871295	0.0797827720110767	394	1.53747806261235	0.125033296036505	0.00636529070977145	0.27845868231267
STAD	CXXC1	cg13423076	-0.298825709608903	443	-6.36362464553612	5.24225273256616e-10	0.0892968047232642	1.81817123975592e-08
STAD	CXXC1	cg15632775	0.151384014193427	395	2.94588084920259	0.0034241527978262	0.0229171197533156	0.0183140971298791
STAD	CXXC1	cg20016845	-0.128124583901064	443	-2.62543787406105	0.00897509790952394	0.0164159089998207	0.0392582944488898
STAD	CXXC1	cg27419474	0.142108967104965	395	2.76154745117817	0.00603963381248942	0.0201949585316399	0.0288196818259708
STAD	DAXX	cg00221327	-0.100936713376932	386	-1.92764231560585	0.0546838789495988	0.0101882201073369	0.154043948399663
STAD	DAXX	cg02173004	-0.120064668071727	395	-2.32631842048592	0.0205410731564655	0.014415524519174	0.0743277475758907

STAD	DAXX	cg02328295	0.0651261038098259	395	1.25539076130109	0.210129196287499	0.00424140939744822	0.395765509890561
STAD	DAXX	cg03085224	0.0167303836079246	395	0.321860402636462	0.747740213225024	0.000279905735668314	0.858416769537966
STAD	DAXX	cg03369465	-0.107571974709567	394	-2.07845078307163	0.0383584579624874	0.0115717297429157	0.118664567492494
STAD	DAXX	cg03382121	-0.105062544307603	395	-2.03216517228239	0.0428508109520875	0.0110381382163871	0.128767613844511
STAD	DAXX	cg03902329	0.111110038641014	395	2.15056029938324	0.0321582147847203	0.0123454406868077	0.103960944188935
STAD	DAXX	cg04086445	-0.0617626541965468	395	-1.1903008192423	0.234691320337954	0.00381462545340222	0.425732241287612
STAD	DAXX	cg04152866	0.113908833437945	395	2.2054348790997	0.0280379616610721	0.0129752223351936	0.0938951868041946
STAD	DAXX	cg04271391	-0.0793545799997782	395	-1.53124467557457	0.126563450290732	0.0062971493669412	0.280893445507168
STAD	DAXX	cg04488476	-0.132185197931582	395	-2.56514207698028	0.0107068472301865	0.0174729265522115	0.0449599737355677
STAD	DAXX	cg04973788	-0.108685949485822	395	-2.10307430640788	0.0361341323735528	0.0118126356156347	0.113576512883562
STAD	DAXX	cg05431670	-0.0669254849389946	395	-1.29023013272484	0.19777651455272	0.0044790205343196	0.380187950606991
STAD	DAXX	cg05532204	0.0188926862618006	395	0.363472949844997	0.716459197573095	0.000356933594186829	0.838819896096098
STAD	DAXX	cg06171013	0.0062052008857994	395	0.11936172022305	0.905053567845055	3.85045180331257e-05	0.949667578244084
STAD	DAXX	cg07689821	-0.263526539035809	443	-5.55173399597532	5.06930303111389e-08	0.0694462367761919	1.1817841174782e-06
STAD	DAXX	cg08375286	-0.190252126625182	395	-3.72765740305643	0.000223491322019409	0.0361958716854043	0.00190451132710898
STAD	DAXX	cg08567382	-0.0878506883705033	395	-1.69640060264015	0.090651121175148	0.00771774344717128	0.2219041321806
STAD	DAXX	cg09097215	-0.127701739431452	394	-2.47332033144591	0.013835944782177	0.0163077342538185	0.0548814147979421
STAD	DAXX	cg09432361	0.211499982155266	395	4.16244623893701	3.91996304525465e-05	0.0447322424516777	0.000430172951251996
STAD	DAXX	cg09615909	-0.177601421349505	395	-3.47141841565603	0.000578881422503908	0.0315422648653645	0.00424443933857389
STAD	DAXX	cg11111423	-0.100574695162978	395	-1.94445221304187	0.0525984385309205	0.0101152693071259	0.149703396153896
STAD	DAXX	cg12025215	-0.0498436693495582	395	-0.959955316887191	0.337704582274541	0.00248439137422808	0.537136060109533
STAD	DAXX	cg12832355	-0.0701124593202799	395	-1.35196714728306	0.177211658847055	0.00491575695193791	0.353441963552053
STAD	DAXX	cg12923297	-0.132850855033906	393	-2.57131329135734	0.0105233978147778	0.0176493496832399	0.0443380204507595
STAD	DAXX	cg13443893	0.0437935182841819	395	0.84319410094455	0.39966465726528	0.00191787224370698	0.596296817232029
STAD	DAXX	cg13826470	-0.107425603048559	393	-2.07277526342974	0.0388888461424812	0.0115402601903465	0.11996664671299
STAD	DAXX	cg14539675	0.0920369143962282	395	1.77791157176448	0.0762395915477518	0.00847079361157863	0.196175794160877
STAD	DAXX	cg14622330	0.0184778375152304	395	0.355488993804391	0.722425862223711	0.000341430479239256	0.842736287275542
STAD	DAXX	cg14746369	0.0664472992398625	395	1.28097034716267	0.201006391222115	0.00441524357627183	0.38417778879683
STAD	DAXX	cg14910283	-0.0312435348237184	395	-0.601274933240587	0.548025072991668	0.000976158468280904	0.721261779565105
STAD	DAXX	cg16922466	-0.00167071633481655	395	-0.03213691521011	0.974380192954071	2.79129307142286e-06	0.986618760242473
STAD	DAXX	cg17079757	-0.109139032544002	395	-2.11194693393329	0.0353607857874892	0.0119113284246407	0.111678181615457
STAD	DAXX	cg17504991	-0.0608307440804645	395	-1.17227366400428	0.241841432933069	0.00370037942538297	0.434188281682749
STAD	DAXX	cg18187593	0.0517553545187488	395	0.996870133185766	0.319479035621384	0.00267861672136137	0.518800720589011
STAD	DAXX	cg18279148	-0.169156570193736	372	-3.19711071495816	0.00151573176593624	0.0286139452397082	0.0094802087955655
STAD	DAXX	cg18486541	-0.0633112508766751	395	-1.22026428314896	0.223141859114494	0.00400831448756929	0.411891748619384
STAD	DAXX	cg18944910	-0.141968155695833	395	-2.75875480508236	0.00609041665702142	0.0201549572316764	0.0290228406380597
STAD	DAXX	cg18967278	0.112311332166034	395	2.17410703761244	0.0303303839954341	0.0126138353329091	0.0994991099156954
STAD	DAXX	cg20223162	-0.160446723942736	395	-3.12676313019659	0.00190726571632405	0.0257431512239566	0.0114450654995151
STAD	DAXX	cg20763184	-0.0900074592846458	395	-1.73838398971342	0.0829750481191272	0.00810134272687718	0.208305179210642
STAD	DAXX	cg21286626	0.180315148987665	395	3.52622996880301	0.000474459879298779	0.0325135529544439	0.00358594499661607
STAD	DAXX	cg24328964	-0.0318292940038093	395	-0.612559066211599	0.540544217326522	0.00101310395678093	0.71579990199839
STAD	DAXX	cg24496586	0.0924615684182631	395	1.78618534389435	0.0748879989176153	0.00854914163436515	0.19368144282348
STAD	DAXX	cg24513883	-0.0799298523884429	395	-1.54241638391078	0.123827244575989	0.00638878130283827	0.276648206387468
STAD	DAXX	cg24728112	-0.0488057709777263	395	-0.939917860320779	0.347872895804421	0.00238200328073027	0.547135660834765
STAD	DAXX	cg25642825	-0.104079261289156	395	-2.01293681182962	0.0448451973813418	0.0108324926304965	0.13321794255859
STAD	DAXX	cg26521092	-0.0830425104911811	395	-1.60289095899949	0.109812024038189	0.00689605854867792	0.254635574208262
STAD	DAXX	cg27052777	-0.036920216016517	395	-0.710659050396066	0.477743248229594	0.00136310235070628	0.665405490256258
STAD	DAXX	cg27393652	0.178236031657428	395	3.48422882147596	0.000552710442707707	0.0317680829809878	0.00408178813176413
STAD	DIDO1	cg00080059	-0.0858390758002049	395	-1.65726452928775	0.0983136242482257	0.00736834693423332	0.235192044182369
STAD	DIDO1	cg01488865	-0.134793341186123	395	-2.61668222676872	0.00924282081738528	0.0181692448281186	0.0401247769345798
STAD	DIDO1	cg06646488	-0.282115588002641	395	-5.65636066564871	3.09845025136599e-08	0.0795892049940759	7.61582429240966e-07
STAD	DIDO1	cg08610063	-0.0348560614545318	395	-0.670877392388432	0.502717205103892	0.0012149450201221	0.686256444406755
STAD	DIDO1	cg13815390	0.113045129665013	395	2.18849505748984	0.0292581956675115	0.0127792013409796	0.0969180685916022
STAD	DIDO1	cg20969846	-0.120602921065709	443	-2.46896235487928	0.01395431122918	0.0145450645695816	0.055224199847432
STAD	DIDO1	cg21212389	0.0756910688952631	395	1.46013544689016	0.145101405354184	0.00572913791050746	0.308795478816124
STAD	DIDO1	cg21687703	0.254330812089778	395	5.05848767054261	6.66704485078642e-07	0.0646841619782462	1.19423460078765e-05
STAD	DIDO1	cg22394521	-0.207189702070907	395	-4.07377112550511	5.66236421892791e-05	0.0429275726442312	0.000591113744024796

STAD	DMAP1	cg01604592	0.0785455089011127	395	1.51553523202883	0.130490732565641	0.00616939696853477	0.28691659504286
STAD	DMAP1	cg11683482	-0.128534533809997	395	-2.49309123107912	0.0130999422069217	0.0165211263817533	0.0526420220076073
STAD	DMAP1	cg15990015	0.13911609065286	443	2.85493419359923	0.00452153633517281	0.0193532866785348	0.0228719941256541
STAD	DMAP1	cg18017761	0.012292637381369	395	0.236471468312211	0.813197699904338	0.000151108933789829	0.899407754722299
STAD	DMAP1	cg18167340	-0.0884841256942678	395	-1.70872847974157	0.0883398652009219	0.00782944049987898	0.218050939919425
STAD	DMAP1	cg21437596	-0.0985757802118942	395	-1.90542326578296	0.0574999667339301	0.00971718444438367	0.159621202242031
STAD	DMAP1	cg23021241	0.086201043007304	395	1.66430510753422	0.0968980642077154	0.00743061981554707	0.232771986381392
STAD	DMAP1	cg23451311	-0.0420058759582587	443	-0.854414410965213	0.393370743686066	0.00176449361502062	0.590166116412046
STAD	DMAP1	cg24485408	0.0544134110225078	395	1.04821579825122	0.295223415085846	0.00296081929910437	0.493152613282693
STAD	DNMT1	cg04160663	0.0161406592443516	395	0.310512229668157	0.756346299607531	0.000260520880842273	0.864100627548621
STAD	DNMT1	cg04762346	0.0511736916388299	443	1.04133669665016	0.298328508567413	0.00261874671594605	0.496548235852144
STAD	DNMT1	cg06128182	-0.0196458251234479	395	-0.37796793845611	0.705671151908364	0.000385958444781095	0.832163312943341
STAD	DNMT1	cg06716436	0.042929278617564	443	0.8732310531392	0.383044582912245	0.00184292296262444	0.581288069037614
STAD	DNMT1	cg10635912	-0.027113563669699	395	-0.521731620008944	0.602169373567316	0.000735145334870819	0.761612252205131
STAD	DNMT1	cg11380607	-0.00480091793997668	395	-0.0923485646925544	0.926471084184232	2.304881306639e-05	0.9612671920167
STAD	DNMT1	cg13393778	-0.0310346927859341	395	-0.597251926503228	0.55070450759773	0.000963152156317308	0.723239762708467
STAD	DNMT1	cg15043801	-0.147501083066083	443	-3.03072663049018	0.00259314777822375	0.0217565695056676	0.0146511248644882
STAD	DNMT1	cg21893394	0.0190102853703101	395	0.3657362330741	0.714770912313481	0.000361390949860625	0.837814165536846
STAD	DNMT1	cg23401624	-0.076585793484311	395	-1.47749656596394	0.14039324978335	0.00586538376362154	0.301933948606625
STAD	DNMT1	cg24477899	-0.0600067378339138	395	-1.15633639902833	0.248289651227851	0.00360080858546807	0.441588730917956
STAD	DNMT1	cg27429799	0.00890606842979817	395	0.171318441184187	0.864067033911326	7.93180548762477e-05	0.927852895068019
STAD	DNMT3A	cg02208653	-0.180437551248269	395	-3.52870418605417	0.000470190403651465	0.0325577099004716	0.00356232881395229
STAD	DNMT3A	cg03463641	-0.183336959493472	395	-3.58736214844253	0.000378918339528166	0.0336124407163111	0.00297242848696724
STAD	DNMT3A	cg06112956	-0.184102072123054	395	-3.60285723261141	0.000357746767572361	0.0338935729600023	0.0028320496628192
STAD	DNMT3A	cg07150430	0.205181676027724	395	4.03254515965531	6.70332401080543e-05	0.0420995201775459	0.000684354840021782
STAD	DNMT3A	cg12066181	-0.221933166853769	443	-4.62556787572916	5.00609152363321e-06	0.0492543305497427	7.13267186793996e-05
STAD	DNMT3A	cg13076778	-0.190310890316243	395	-3.72885203552191	0.000222473045425867	0.036218234972961	0.00189687287328583
STAD	DNMT3A	cg13344237	-0.170335642868713	395	-3.32506365314461	0.000972393665993342	0.0290142312314978	0.00655969414258464
STAD	DNMT3A	cg15990840	-0.216650282565416	395	-4.26873697237717	2.50111328529885e-05	0.0469373449356746	0.000291013471308015
STAD	DNMT3A	cg15998962	-0.222679002294344	395	-4.39363223790326	1.45778539647352e-05	0.0495859380628047	0.000181800187773744
STAD	DNMT3A	cg21629895	-0.411513561817403	443	-9.17589470169734	2.16207223029425e-18	0.169343411559645	2.45184033649432e-16
STAD	DNMT3A	cg21708767	-0.184120233561298	395	-3.60322512084525	0.000357257872234885	0.0339002604066669	0.00282904304892515
STAD	DNMT3A	cg22731525	0.040670183160299	395	0.782954389187243	0.434154732946606	0.00165406379829227	0.627650147142781
STAD	DNMT3A	cg25044635	-0.250009636046678	395	-4.96675900330775	1.04191774288294e-06	0.0625048181161922	1.77111062911249e-05
STAD	DNMT3A	cg26470599	-0.450733841122993	395	-9.71260520614815	5.16082148913644e-20	0.203160995533487	6.91017120354354e-18
STAD	DNMT3A	cg26995204	-0.241584665520343	395	-4.78881989132243	2.43093647492049e-06	0.058363150614576	3.75297225897925e-05
STAD	DNMT3B	cg00300969	0.309913591083866	395	6.27001273952522	1.00685713459305e-09	0.0960464339384978	3.33166499057984e-08
STAD	DNMT3B	cg13636640	-0.0853458586499226	382	-1.61846767892766	0.106444945320582	0.00728391558869256	0.24899353748893
STAD	DNMT3B	cg14224313	-0.0847521328496752	395	-1.63612650152294	0.102663417665708	0.00718292402256898	0.242694722070199
STAD	DNMT3B	cg16523653	-0.0675031433651075	443	-1.37496218165534	0.169888612692906	0.00455667436417026	0.343548602439094
STAD	DNMT3B	cg16953106	-0.0591145787979532	395	-1.13908365159291	0.255405197023601	0.00349453342645942	0.449665019009612
STAD	DNMT3B	cg17475857	0.279371489981758	395	5.59665958422085	4.26110217313688e-08	0.0780484294146277	1.01434572355266e-06
STAD	DNMT3B	cg17721173	-0.06781455000458	395	-1.3074487349411	0.191872205298276	0.00459881319232368	0.372352791153594
STAD	DNMT3B	cg22605822	-0.24886403528836	395	-4.94249391213737	1.17124299231164e-06	0.061933308060006	1.96921714596698e-05
STAD	DNMT3B	cg24403338	0.266400086049404	395	5.31643026023068	1.83428324035189e-07	0.0709690058471301	3.75714140073551e-06
STAD	DNMT3B	cg25803642	-0.162512541549441	395	-3.16810644407471	0.00166194421090535	0.0264103261608589	0.0102245383901282
STAD	DNMT3L	cg09247319	0.130207477743409	395	2.52609608203215	0.0119502969356581	0.0169539872603005	0.0489759456228314
STAD	DNMT3L	cg15635600	-0.130514858438899	395	-2.53216265221548	0.0117490358842801	0.0170341282733258	0.0483632910005298
STAD	DNMT3L	cg27187798	0.103637084491881	395	2.00429187579211	0.045767157466215	0.0107406452819774	0.135273397501229
STAD	DPF1	cg06168449	-0.00118581561920495	443	-0.0240986379821481	0.980785568766913	1.40615868275041e-06	0.990066386575959
STAD	DPF1	cg06615189	0.0130065496358842	395	0.250207142271414	0.802566029757212	0.000169170333430718	0.892310076170483
STAD	DPF1	cg07480327	-0.0420063977656634	360	-0.771816206851702	0.44076416636563	0.00176453745324713	0.633371031979013
STAD	DPF1	cg08057062	0.0087062066786515	395	0.167473576388408	0.867088931843574	7.57980347313959e-05	0.929371243018395
STAD	DPF1	cg13322582	-0.00808970604970452	395	-0.155613694835682	0.876422390793148	6.54433439706259e-05	0.934582934095793
STAD	DPF1	cg13917712	0.0109307789558285	395	0.210270293433935	0.83357246186253	0.000119481928581182	0.910712055656693
STAD	DPF1	cg17121541	0.0480497048533755	395	0.925323325445566	0.355400860947831	0.0023087741364965	0.554246804605973
STAD	DPF1	cg22145401	-0.0300553894773018	395	-0.578388255442071	0.563353896019514	0.000903326436632306	0.73331023671344

STAD	DPF1	cg27400772	0.0186303588989226	330	0.325954752341292	0.744681383325226	0.000347090272702664	0.856534982396727
STAD	DPF2	cg02186298	-0.123902417870912	443	-2.53754798560245	0.0115299831822717	0.015351809154258	0.0476525267854031
STAD	DPF2	cg14699126	0.00523579761630712	395	0.100713958493224	0.919832081120763	2.74135766789273e-05	0.957776754988605
STAD	DPF2	cg15918224	-0.0168013908789805	395	-0.323226830870931	0.746706060299782	0.000282286735468289	0.857747755636361
STAD	DPF2	cg15929437	-0.0177329830725466	395	-0.34115438365712	0.733181008439015	0.000314458688651223	0.849448714301742
STAD	DPF2	cg18224556	-0.0155557251242004	395	-0.299256556450575	0.764912321683652	0.00024198058413968	0.869555070982432
STAD	DPF2	cg19517014	-0.0678289836826313	395	-1.30772829896658	0.191777427571255	0.00460077102741867	0.372252437758327
STAD	DPF3	cg00888802	0.034910485474834	395	0.671926173040774	0.502050028588699	0.0012187419960886	0.685766567278287
STAD	DPF3	cg05151458	0.0727788983326006	395	1.40365240726529	0.161261098510636	0.00529676804250701	0.331460865368704
STAD	DPF3	cg07171024	0.0551326646534167	394	1.06067715361432	0.289530390714336	0.0030396107117861	0.487017746059783
STAD	DPF3	cg10266394	0.0186929616261532	395	0.359629133650159	0.719329660913098	0.000349426814356835	0.840813950191927
STAD	DPF3	cg12913429	0.0245616115668323	395	0.47259460489397	0.636781069917549	0.000603272762759952	0.786300956384277
STAD	DPF3	cg13819165	-0.0134034163454615	395	-0.257843023135679	0.796671408712956	0.000179651569729785	0.888677344090679
STAD	DPF3	cg14238615	-0.0104640143454434	395	-0.201290355266857	0.840582155275407	0.000109495596221645	0.914602481013385
STAD	DPF3	cg14242696	0.22548051051664	395	4.45184968176518	1.12857060288042e-05	0.0508414606228444	0.000145574567203581
STAD	DPF3	cg15392845	0.00458200883675583	395	0.0881376249699503	0.929814975536249	2.09948049801085e-05	0.962793330786035
STAD	DPF3	cg15740492	0.202499027858534	395	3.97755164352157	8.37734547988681e-05	0.0410058562836514	0.000825468289122628
STAD	DPF3	cg16696021	0.0542358362559362	395	1.04478490290771	0.296804488233478	0.00294152593438073	0.494782721870567
STAD	DPF3	cg19710444	0.0969425530133957	395	1.87355170785085	0.0617802923440332	0.00939785858475504	0.168170197089182
STAD	DPF3	cg19839347	0.0100879502062166	395	0.194055471059094	0.846238942868603	0.000101766739363105	0.917861143885125
STAD	DPF3	cg20548765	0.016132942790138	395	0.310363742713347	0.756459111331229	0.000260271843069864	0.864191437190167
STAD	DPF3	cg21035356	-0.00351432428563483	395	-0.0675997947975278	0.946140733125531	1.23504751846028e-05	0.971272956381985
STAD	DPF3	cg22784589	-0.0194584869301614	395	-0.374362348986674	0.708349204850285	0.000378632713611262	0.833792072055123
STAD	DPF3	cg23515460	0.220960391066548	395	4.35797500112823	1.7029002857304e-05	0.0488234944202819	0.000208196487235755
STAD	DPF3	cg24383902	0.018450450830199	395	0.354961930889474	0.722820354904561	0.000340419135837591	0.842931039131833
STAD	DPF3	cg25495195	-0.0338160741946869	395	-0.650837406069594	0.515555414953915	0.00114352687394057	0.696872759906953
STAD	DPF3	cg26057784	0.274126542475378	395	5.47554726204333	8.07906673591521e-08	0.0751453612895051	1.7931609633489e-06
STAD	EED	cg00080012	-0.148292495100754	443	-3.04735252996287	0.00245691708771667	0.0219906641032073	0.0140301995097872
STAD	EED	cg01739327	0.0270993071209708	395	0.521457087301344	0.602360370145973	0.000734372446436701	0.761741025003427
STAD	EED	cg02172616	-0.188169429113157	395	-3.68534407895431	0.000262525279442018	0.0354077340527713	0.00218193286206328
STAD	EED	cg04607174	-0.275495437695817	395	-5.51258445548466	6.64396712904745e-08	0.0758977361912095	1.5055659156339e-06
STAD	EED	cg06358433	-0.228412448867404	395	-4.5129021955358	8.60336533188855e-06	0.0521722467976047	0.000114557609740993
STAD	EED	cg10086030	-0.23294429375987	395	-4.60752561580912	5.61587536763497e-06	0.0542630439952844	7.8930697082167e-05
STAD	EED	cg10535675	0.0206699518537036	395	0.397679425170944	0.691095838739324	0.000427246909634423	0.822493493236346
STAD	EED	cg12672785	-0.0572277122265044	395	-1.10260402452812	0.270915820258899	0.0032750110466796	0.467143038416986
STAD	EED	cg16265078	-0.276829983629691	395	-5.54149884530634	5.70617925556038e-08	0.0766348398364152	1.31488894848064e-06
STAD	EED	cg18574463	-0.109387099108965	395	-2.11680533180967	0.0349433635155975	0.0119655374514744	0.110714944052963
STAD	EED	cg19325359	-0.13306081412029	395	-2.58243923583658	0.0101939229923339	0.0177051802543543	0.0432589558384748
STAD	EED	cg21042619	0.79262917075099	48	8.32420789323825	2.38736745924382e-10	0.628261002325402	8.85659819382038e-09
STAD	ELP3	cg01209934	-0.038550908973247	395	-0.742093184334978	0.458501692378192	0.00148617258266358	0.648494160522745
STAD	ELP3	cg02516513	-0.0174210850705498	395	-0.335152124326235	0.737700267772036	0.000303494205035335	0.852374266739808
STAD	ELP3	cg04720865	-0.264594282346679	395	-5.27766973159319	2.23413417878448e-07	0.070010134250554	4.47022207572941e-06
STAD	ELP3	cg05621091	-0.264656136178734	395	-5.27899639763911	2.21914767966223e-07	0.0700428704170567	4.4425212195482e-06
STAD	ELP3	cg15692687	-0.0880127387687271	395	-1.69955420896757	0.0900552773854868	0.00774624218557219	0.220885596548588
STAD	ELP3	cg17572663	0.0837681732406598	395	1.61699628994088	0.106731291351174	0.0070171068480772	0.24946082440131
STAD	ELP3	cg18022570	-0.0928705222747817	395	-1.79415415005721	0.0736048629739963	0.00862493390759072	0.191234549232556
STAD	ELP3	cg18249244	-0.116895476584476	442	-2.38909815695581	0.0173388476260542	0.0136645524459117	0.0652416541533922
STAD	ELP3	cg19781013	0.159217439292591	395	3.10218144805111	0.00206853498200342	0.0253501929748899	0.0122260758539716
STAD	ELP3	cg22414525	-0.0464548920951655	395	-0.894543450193327	0.371612718768103	0.00215805699957347	0.570235711064675
STAD	ELP3	cg22487209	-0.227972110201173	395	-4.50372469377711	8.96332093937474e-06	0.0519712830295756	0.000118748737935579
STAD	ELP3	cg25374552	0.0254871515043547	395	0.49041445906415	0.624131340329988	0.000649594891805931	0.777368729720794
STAD	ELP4	cg04972224	-0.21561367117461	395	-4.24731391600426	2.74024838100455e-05	0.0464892551973931	0.000314928176321271
STAD	ELP4	cg05195750	0.0708990979945963	395	1.36721197868647	0.172388885359791	0.00502668209644737	0.34692728031042
STAD	ELP4	cg05635455	-0.226007849537938	395	-4.46282113896958	1.07509097518985e-05	0.0510795480527633	0.000139648734887159
STAD	ELP4	cg08111895	-0.120988354527927	395	-2.34448018980583	0.0195817677129407	0.0146381819313753	0.0716496889826682
STAD	ELP4	cg08626560	-0.205174956451111	395	-4.0324072923624	6.70709240494602e-05	0.0420967627547153	0.000684559887890804
STAD	ELP4	cg09616795	0.191344485334471	395	3.74987124771124	0.000205256692338661	0.0366127120679136	0.00177340505595222

STAD	ELP4	cg10583382	-0.0629056282182341	443	-1.28093033752624	0.200936952018749	0.00395711806153069	0.384080425694651
STAD	ELP4	cg11385473	-0.154106029287955	443	-3.16966844748384	0.00163976601459058	0.0237486682629	0.0101168972431644
STAD	ELP4	cg13263383	-0.0204857298335094	391	-0.391997350709682	0.695288323587946	0.000419665126811538	0.82531142001893
STAD	ELP4	cg19328333	-0.0433006005334856	395	-0.833685604129251	0.40499604404354	0.0018749420065605	0.601463241090367
STAD	ELP4	cg24001477	0.121613616265339	395	2.35677775754457	0.018954731995838	0.014789871661133	0.0698084751637656
STAD	ELP4	cg24531794	0.0166137400398471	395	0.319615783003599	0.749439996149047	0.00027601635811162	0.859593587326487
STAD	ELP4	cg25130734	-0.28507027029869	395	-5.72081195698176	2.19009105705035e-08	0.081265059008168	5.59526908677094e-07
STAD	EP300	cg00500400	-0.107657580575663	443	-2.20065067845005	0.0283136079709005	0.0115901546554054	0.0945949838741211
STAD	EP300	cg02046995	0.0598006394623214	395	1.15235058256722	0.249921021491774	0.00357611648010255	0.443545100742143
STAD	EP300	cg07519229	-0.057088186253536	395	-1.09990698266608	0.272087762241729	0.00325906100971841	0.468478495326304
STAD	EP300	cg08131204	-0.260832705046465	395	-5.19712070002436	3.35337115765983e-07	0.068033700021856	6.43652000589658e-06
STAD	EP300	cg09331127	-0.110471377478822	395	-2.13804569724535	0.0331676864798148	0.0122039252420684	0.106388776729094
STAD	EP300	cg24349919	0.0682954958288536	395	1.31676455701572	0.188732549085954	0.00466427475050896	0.36844738697565
STAD	EPC1	cg02900516	-0.0447444228036705	395	-0.861539017192807	0.389499228095026	0.00200206337203363	0.587131897194708
STAD	EPC1	cg16942190	-0.0412441517529135	395	-0.79402273483324	0.427691144368747	0.00170108005381735	0.621995903780421
STAD	EPC1	cg26211455	-0.0395823441653606	395	-0.761978745733301	0.446558123716687	0.00156676196962505	0.638348113346244
STAD	EPC2	cg00066942	-0.105413984226556	395	-2.03903913205251	0.0421563446220676	0.0111121080705166	0.127245981202387
STAD	EPC2	cg03664802	-0.24161215186338	395	-4.78939851639742	2.42434693626562e-06	0.0583764319280531	3.74428520071168e-05
STAD	EPC2	cg04098458	-6.47571689942292e-05	395	-0.0012456290189623	0.999006803399723	4.19349093614716e-09	0.999507880698065
STAD	EPC2	cg05586854	-0.0955096410251711	395	-1.84560178613718	0.065748808516805	0.00912209152875705	0.175998307403356
STAD	EPC2	cg10458926	-0.190750632421934	395	-3.73779306384376	0.000214989606231688	0.0363858037693678	0.00184296434459371
STAD	EPC2	cg11721798	-0.15247367544618	395	-2.9675881350758	0.00319666251499418	0.0232482217040671	0.0173478314399342
STAD	EPC2	cg12432635	0.0226948933966373	395	0.436657457205536	0.662614489970222	0.000515058186284731	0.803829677739013
STAD	EPC2	cg16434205	-0.00568239684431633	395	-0.109304850412301	0.913019955662803	3.22896338962962e-05	0.954003578558428
STAD	EPC2	cg21347644	0.0509008234828852	395	0.980367726781939	0.327545220137997	0.00259089383123584	0.527034269368233
STAD	EPC2	cg21650422	-0.186239432506773	395	-3.64617914480856	0.000304296562198772	0.0346851262204449	0.00247464423580298
STAD	EZH1	cg00728999	-0.264591730132	395	-5.27761499216365	2.23475463973701e-07	0.0700087836542449	4.47031376815893e-06
STAD	EZH1	cg01716316	-0.0395146434861935	395	-0.76067343594533	0.44733661984534	0.00156140704984098	0.638959509162758
STAD	EZH1	cg03623386	-0.247780518283955	395	-4.9195641746291	1.30761364677821e-06	0.0613951852410655	2.16851055927303e-05
STAD	EZH1	cg05375741	-0.214518646906505	394	-4.22470002873192	3.01629315524835e-05	0.0460182498705979	0.000342604043976332
STAD	EZH1	cg05979501	-0.248117870603154	395	-4.92670121974628	1.26360261739028e-06	0.0615624777126434	2.10494008602268e-05
STAD	EZH1	cg06975499	-0.180260930379515	443	-3.7243441148134	0.000223022547880966	0.0324940030212882	0.00190093306561322
STAD	EZH1	cg12812489	-0.123463203974437	395	-2.39317194337514	0.0172011579537646	0.0152431627356335	0.0648581890129079
STAD	EZH1	cg19395400	-0.056276341479622	395	-1.08421527275587	0.278975334837655	0.00316702661033102	0.475965681916805
STAD	EZH1	cg22227424	-0.0859474078821622	395	-1.6593716134233	0.0978882512548117	0.00738695692166276	0.234462841162499
STAD	EZH1	cg27088844	-0.0968109476156426	443	-1.97671599401552	0.0487385281870473	0.0093723595782387	0.141566107672149
STAD	EZH2	cg01893439	-0.0785344768583905	395	-1.51532104770564	0.130544926215946	0.00616766405542108	0.287003306204416
STAD	EZH2	cg02303805	0.0553695946472045	395	1.06669180114438	0.286806549002524	0.00306579201139573	0.48418716332333
STAD	EZH2	cg06816161	-0.179388257183595	443	-3.7057129318145	0.000239500319150355	0.0321801468153677	0.00201881978849092
STAD	EZH2	cg13751213	-0.076358725389731	395	-1.47309022805365	0.141576882434548	0.00583065494314435	0.303695803014206
STAD	EZH2	cg18494018	-0.107030689838355	395	-2.07067094466018	0.0390826007481279	0.0114555685672742	0.120411558122767
STAD	EZH2	cg20101066	0.0914961248519322	395	1.76737648186286	0.0779894354386128	0.00837154086292037	0.199267912783244
STAD	FBXL19	cg00026853	0.2254497555323	395	4.45120994181236	1.13176639590862e-05	0.0508275922695739	0.000145914211142385
STAD	FBXL19	cg02291855	0.25564821176074	395	5.0865171365386	5.80916964589273e-07	0.0653560081764644	1.05588444727238e-05
STAD	FBXL19	cg03181514	0.201281188538959	395	3.95261719461686	9.26070783712941e-05	0.0405141168596559	0.000901887212671063
STAD	FBXL19	cg03627896	0.163266907716202	443	3.36310195591275	0.000842638928734329	0.0266560831552107	0.00581807515948863
STAD	FBXL19	cg04477789	-0.130020453430409	395	-2.52240526911637	0.0120742374431123	0.0169053183102492	0.0493902212456344
STAD	FBXL19	cg05643349	-0.185288819602737	395	-3.62690470265835	0.000327076777691836	0.0343319466697756	0.00262640491781159
STAD	FBXL19	cg05768582	-0.0581171118060567	395	-1.11979767928709	0.2635263597396	0.00337759868467769	0.458948479473067
STAD	FBXL19	cg06862768	0.162989848190489	395	3.17766486952183	0.00160954028756919	0.0265656906131586	0.00996677363139038
STAD	FBXL19	cg07697662	0.0925442956425467	395	1.78779727899612	0.074626975835077	0.00856444665597508	0.193140781641245
STAD	FBXL19	cg08535091	0.0567023950569302	443	1.15418577524158	0.249091446462935	0.00321516160519219	0.44254088326211
STAD	FBXL19	cg08593668	-0.017798042992477	395	-0.342406428901378	0.732239473867899	0.000316770334362058	0.848724430920323
STAD	FBXL19	cg09011601	-0.0483879157358699	395	-0.931851696739456	0.352020810738638	0.00234139038926165	0.550886261604104
STAD	FBXL19	cg11940219	-0.0769311110606212	395	-1.48419802099855	0.138607769718791	0.00591839584902164	0.299191255202653
STAD	FBXL19	cg26666512	0.0578467081293703	395	1.11457002052137	0.265758170596104	0.00334624164140456	0.46153345514797
STAD	FBXL19	cg27602786	-0.00995257659251493	395	-0.191451115373454	0.848277193320105	9.90537808298762e-05	0.919000022489769

STAD	FBXW9	cg02753619	-0.0380262180996413	395	-0.731978318868144	0.464645176353349	0.00144599326296149	0.653894007656297
STAD	FBXW9	cg03160342	0.0151990339737736	395	0.292393030752296	0.770150025566026	0.000231010633735924	0.872592171522165
STAD	FBXW9	cg05868316	0.0999927102847852	443	2.04232779906896	0.041753626835867	0.009998542110097	0.126330363791856
STAD	FBXW9	cg06489804	0.266325795605424	443	5.6151829040478	3.61058294679399e-08	0.0709294294048623	8.73388338814961e-07
STAD	FBXW9	cg12110584	0.0968154696439489	395	1.87107238780811	0.0621240831438213	0.0093732351623784	0.168905075458373
STAD	FBXW9	cg14342428	0.136123358555932	395	2.64298627476442	0.00856706993234124	0.018529568744547	0.0378674226316224
STAD	FBXW9	cg15828427	-0.0303106856218767	395	-0.583305693136793	0.560042898691229	0.00091873766286824	0.730712083402413
STAD	FBXW9	cg19721801	0.233998975675941	395	4.6295922628222	5.07885897918467e-06	0.0547555206173896	7.21520736717845e-05
STAD	FBXW9	cg21564527	0.157094002222882	395	3.05975443501582	0.00237671891396557	0.024678525534403	0.0136644239310983
STAD	FBXW9	cg22303873	0.175140274395993	395	3.4217792061782	0.000691629649503208	0.0306741157155036	0.00493756418770786
STAD	FKBP1A	cg04613791	0.124687936210316	443	2.55388882108402	0.0110108711212914	0.0155470814363878	0.0459415236261596
STAD	FKBP1A	cg07516946	0.134436008864019	395	2.60961764774641	0.00943226554976389	0.0180730404792867	0.0406960380945061
STAD	FKBP1A	cg10996143	-0.0111578864871675	443	-0.226769164976958	0.820715440752318	0.000124498430860515	0.903640747263263
STAD	FKBP1A	cg21332426	-0.109595678666469	395	-2.12089068414351	0.0345956359340788	0.012011212782364	0.109881123771209
STAD	FKBP1A	cg21775445	0.113127835537875	395	2.19011694951309	0.0291394117571577	0.0127979071734845	0.096639442308749
STAD	FKBP1A	cg24641773	-0.123191740577927	395	-2.38782880429569	0.0174493090135569	0.0151762049466192	0.0655763454820054
STAD	FKBP1A	cg26779912	0.112397450826383	395	2.17579543221082	0.0302028350375659	0.0126331869522691	0.0991978108972557
STAD	FKBP2	cg03764062	-0.0790586859735157	395	-1.52549905580363	0.127988970754695	0.00625027582785896	0.282999573398821
STAD	FKBP2	cg04446112	0.00995611077316387	395	0.191519106801129	0.848223968081513	9.91241417275097e-05	0.918983416757208
STAD	FKBP2	cg06615912	-0.0208834927523533	395	-0.401789627495642	0.688070835527336	0.000436120269537592	0.820688753645394
STAD	FKBP2	cg09854726	-0.141585256446491	395	-2.75116180908113	0.006230449581156	0.0200463848430186	0.0295507617800543
STAD	FKBP2	cg10998122	-0.033213739753281	395	-0.639231722610322	0.523067738295974	0.00110315250839868	0.702578999627156
STAD	FKBP2	cg12423493	-0.182774805186515	395	-3.5759816833422	0.000395210871618785	0.0334066294109684	0.00307511847836685
STAD	FKBP2	cg15010817	0.00945912456472353	394	0.181711978820747	0.855908540382875	8.94750375309562e-05	0.923330878485206
STAD	FKBP2	cg16977872	0.108608095550848	443	2.22031124570181	0.0269397464438072	0.011795718419182	0.0911180436498363
STAD	FKBP2	cg19924313	0.0141061320134088	395	0.271363866638505	0.786262526012879	0.000198982960379716	0.882200752136699
STAD	FKBP2	cg21809711	-0.0820072823130908	395	-1.58272727688595	0.114327627454423	0.00672519435237897	0.261888738558623
STAD	FKBP2	cg22074794	0.0317237591865195	395	0.61052598489518	0.541888260785457	0.00100639689692428	0.716696509176933
STAD	FKBP2	cg24677501	0.0437545447393691	395	0.84244226992784	0.40008465730458	0.00191446018534945	0.596683137731538
STAD	FKBP5	cg00130530	0.0870860948255597	395	1.68152294078341	0.0935051879896071	0.00758398791196637	0.227033164621208
STAD	FKBP5	cg00140191	-0.143044508205334	395	-2.7801059493181	0.00571177467035431	0.0204617313277058	0.0275868751912549
STAD	FKBP5	cg00610228	-0.0317636505663405	395	-0.611294472178346	0.541380027135522	0.00100892949730058	0.716391854914915
STAD	FKBP5	cg01294490	-0.14210122065197	395	-2.76139381499283	0.0060424176211772	0.0201927569107799	0.0288294287900558
STAD	FKBP5	cg07485685	0.00578346856174886	395	0.111249099567632	0.911479140132404	3.34485086047374e-05	0.952969589251821
STAD	FKBP5	cg07843056	-0.142578532303868	395	-2.77086135347274	0.00587302210626947	0.0203286378739251	0.0281889117556223
STAD	FKBP5	cg08636224	0.193194290728205	443	4.00155922567659	7.45815451089616e-05	0.037324033969974	0.000748934648277599
STAD	FKBP5	cg08915438	0.335279701575548	395	6.84545830095132	3.18003785402271e-11	0.112412478288588	1.37667147922005e-09
STAD	FKBP5	cg10913456	-0.13915955233962	395	-2.70308856036931	0.00718662190832979	0.0193653810073635	0.0330912142489854
STAD	FKBP5	cg16012111	-0.137971113412297	395	-2.67955393094918	0.00770132757407637	0.0190360281362289	0.0349176522495452
STAD	FKBP5	cg17030679	0.0141954154930048	395	0.273081784639961	0.784942703990206	0.00020150982101904	0.881164702437468
STAD	FKBP5	cg20813374	0.0907854431873407	395	1.75353412965505	0.0803383757686243	0.00824199669472186	0.203621597263231
STAD	FKBP5	cg25114611	-0.0256770901228808	395	-0.494071590855645	0.621548802806423	0.000659312957178545	0.77577578666459
STAD	FMR1	cg02921434	-0.111114184268697	395	-2.15064154199045	0.0321517488111582	0.0123463619456979	0.103948680368018
STAD	FMR1	cg03513471	-0.0965882384697486	395	-1.86663947455341	0.0627427265709851	0.00932928781068903	0.170120584668108
STAD	FMR1	cg04552106	-0.107563759725735	395	-2.08110440535628	0.0381115999076744	0.0115699624063356	0.118159325809725
STAD	FMR1	cg04744025	-0.110869556864029	395	-2.14584772938423	0.0325352007179221	0.0122920586392262	0.104839839476847
STAD	FMR1	cg05288927	-0.0992791753776194	395	-1.91915442178306	0.0557337219100081	0.00985635466366012	0.156003343302158
STAD	FMR1	cg07147350	-0.120633647408986	443	-2.46960066716075	0.013929810246941	0.0145524768871955	0.0551590989692828
STAD	FMR1	cg08434396	-0.0758340061228534	443	-1.5455796795868	0.122971995851546	0.00575079648464097	0.27531033283283
STAD	FMR1	cg14470409	-0.131243534502971	395	-2.5465470225996	0.0112838445243177	0.0172248653488327	0.0468468033367901
STAD	FMR1	cg16783314	-0.102089628369439	395	-1.97404720305366	0.0491198098940347	0.0104222922206102	0.142423648561183
STAD	FMR1	cg22625568	-0.0970188697053013	394	-1.87250509194027	0.0619273642272509	0.00941266107889424	0.168493892441759
STAD	FXR2	cg01807919	0.286822069309866	395	5.75910807806949	1.77948710022218e-08	0.0822668994431938	4.62369470523328e-07
STAD	FXR2	cg01933235	0.267338803281603	395	5.33660304944837	1.65461192971366e-07	0.0714700357400395	3.41882816627209e-06
STAD	FXR2	cg05529097	-0.138130957918868	443	-2.83432266999163	0.00481766658261901	0.019080161535584	0.0240702222361692
STAD	FXR2	cg05913233	-0.214923346008904	395	-4.23305571891927	2.91134006895791e-05	0.0461920446596631	0.000332040447624266
STAD	FXR2	cg09625173	-0.134024098712328	395	-2.60147533306391	0.00965491896417097	0.0179624590356518	0.0414580099298292

STAD	FXR2	cg17777561	-0.190577239417004	395	-3.72921756170357	0.000222247910560662	0.0363196841838059	0.0018960163002557
STAD	FXR2	cg19178740	0.103062417725392	395	1.99305844145105	0.0469890828270206	0.0106218619474032	0.137896656060083
STAD	FXR2	cg22521096	-0.180669773847452	395	-3.53339875768662	0.000462188258527345	0.0326415671820893	0.00351059103533258
STAD	FXR2	cg26904212	0.466571872529582	443	10.7202261629483	8.01527535494119e-24	0.21768931223576	1.44338039574605e-21
STAD	G2E3	cg02259031	-0.04130897784529	395	-0.795272883176117	0.426964647341935	0.00170643165062266	0.621357214993931
STAD	G2E3	cg05076167	-0.247557959645836	395	-4.91485675525835	1.33744856427628e-06	0.0612849433840092	2.21232136103145e-05
STAD	G2E3	cg07906495	-0.249274598617576	443	-5.22464905115475	2.77705391734883e-07	0.0621378255159534	5.43355463898982e-06
STAD	G2E3	cg08810065	-0.156291335960467	443	-3.21573341985126	0.00140344032309577	0.0244269816963074	0.00889516347522504
STAD	G2E3	cg09837748	-0.156873803286024	395	-3.05535728475456	0.00241096345121915	0.0246093901574222	0.0138225728295484
STAD	G2E3	cg18580322	-0.183524717375553	395	-3.59116400088745	0.000373617482185802	0.0336813218877768	0.00293676855705388
STAD	G2E3	cg18755078	-0.183120705467892	395	-3.58298378960488	0.000385110435094535	0.0335331927710583	0.00300965746856569
STAD	G2E3	cg18956956	0.0391211542968747	395	0.753086934991826	0.451876572539303	0.00153046471351988	0.64243290418543
STAD	G2E3	cg19554565	-0.0905335033765107	395	-1.74862760392648	0.0811847026315239	0.00819631523362467	0.205094588443098
STAD	G2E3	cg21061067	-0.127571564261316	395	-2.47410301825313	0.0138049535231783	0.016274504008079	0.0547846020702003
STAD	G2E3	cg22926526	-0.10938557530852	395	-2.11677548686978	0.0349459147723724	0.011965204085576	0.110718518115254
STAD	GADD45	cg01810953	0.0109978866055054	395	0.211561367655494	0.83256573333798	0.000120953509787555	0.91017015864441
STAD	GADD45	cg02639608	0.0612079746497704	395	1.17957055450773	0.23892894016993	0.00374641616072694	0.43070879322395
STAD	GADD45	cg04718306	0.0280907888677795	443	0.571097656821706	0.568244071755537	0.000789092419214165	0.736807908621992
STAD	GADD45	cg07000785	-0.0736567910723176	443	-1.50096001022969	0.134130007007092	0.00542532287107104	0.292365081678613
STAD	GADD45	cg22224769	-0.0118704408488612	395	-0.228348577274237	0.819501409412497	0.000140907365946312	0.902815161705527
STAD	GADD45	cg23369529	-0.0403773398317326	394	-0.77625640496425	0.438094872751084	0.00163032957188722	0.630913290929613
STAD	GADD45	cg23723105	0.0265671000475298	395	0.511208813015765	0.609509760567601	0.000705810804935456	0.767016650440738
STAD	GATAD2A	cg02887458	-0.0107888732811978	395	-0.20754020032558	0.835702180771456	0.000116399786677744	0.911974889295131
STAD	GATAD2A	cg08505228	0.0478959469119259	395	0.922355493058545	0.356944225097118	0.00229402173059002	0.555826520303631
STAD	GATAD2A	cg08870822	0.216797176968548	395	4.27177397866352	2.46887041588503e-05	0.0470010159415321	0.000287755960611507
STAD	GATAD2A	cg09334331	-0.00742919384820378	395	-0.142907340730024	0.886441151935479	5.51929212341889e-05	0.939767317316644
STAD	GATAD2A	cg11795262	-0.0865431533718919	443	-1.76538825911819	0.0782374453737397	0.00748971739555081	0.199675504882844
STAD	GATAD2A	cg14948912	0.188444000966157	395	3.69091948016533	0.000257037675092884	0.0355111415001329	0.00214204487371996
STAD	GATAD2A	cg15264323	0.207009951297864	395	4.07007855258383	5.74893564562376e-05	0.042853119936344	0.000599106094595652
STAD	GATAD2A	cg22191731	0.127410188653894	395	2.47092164786989	0.0139263093672322	0.0162333561728209	0.0551480433145567
STAD	GATAD2A	cg26631329	0.147177686115909	395	2.86218835123902	0.00444653320243677	0.021661271290433	0.0225836393517246
STAD	GATAD2E	cg02134200	0.0435044420671577	395	0.837617679845196	0.40278618285716	0.00189263647957468	0.599310464180053
STAD	GATAD2E	cg02940454	-0.0560007679654781	395	-1.07888935291726	0.281339878995271	0.00313608601272331	0.478530610808714
STAD	GATAD2E	cg09805553	-0.176801052653803	395	-3.45526834272221	0.000613526693579369	0.0312586122194927	0.00445854232604516
STAD	GATAD2E	cg10226922	-0.202336881781169	395	-3.97423070314497	8.49020228107384e-05	0.0409402137289267	0.000836059235764378
STAD	GATAD2E	cg10489353	-0.00752857284574268	395	-0.144819094312633	0.884932558436617	5.6679409093654e-05	0.938995341349222
STAD	GATAD2E	cg15064304	-0.2333982590764	395	-4.61702161987692	5.37840720632362e-06	0.0544747473398941	7.58672366652293e-05
STAD	GATAD2E	cg20773694	-0.0862832810828588	395	-1.66590480237749	0.0965787263845815	0.00744480459442361	0.23230614805399
STAD	GATAD2E	cg23046518	-0.0414583950478141	395	-0.798154379607229	0.425292880288584	0.00171879851994062	0.620085211739465
STAD	GATAD2E	cg23323627	0.0476392287965448	395	0.917400472027396	0.359530419266273	0.00226949612032955	0.558439313622387
STAD	GATAD2E	cg26398333	0.140759401550726	395	2.73478916731226	0.00654235084442943	0.0198132091249186	0.0307006660388191
STAD	GLYR1	cg00636946	-0.189851778674154	395	-3.71951966217948	0.000230545503518935	0.0360436978657401	0.00195520079589578
STAD	GLYR1	cg00885266	-0.0224926738432307	395	-0.432764706039548	0.665437858150535	0.000505920376617955	0.805834453820436
STAD	GLYR1	cg01261535	-0.0706826761170247	443	-1.44004348059411	0.150612677531739	0.00499604070306422	0.316498247598755
STAD	GLYR1	cg01565912	0.0816073526168353	395	1.57500209891988	0.116110586030485	0.00665976000112849	0.264663685711727
STAD	GLYR1	cg02454264	0.077380775089915	395	1.49292529615199	0.136308938144904	0.00598778435351601	0.29572250359877
STAD	GLYR1	cg06399529	-0.169268804077148	395	-3.30362197753581	0.00104755955836715	0.0286519280337079	0.00697781045325921
STAD	GLYR1	cg06976003	-0.139049437389543	395	-2.70090745754469	0.00723298489040852	0.0193347460383483	0.0332515557596289
STAD	GLYR1	cg11289281	0.0821452862533133	395	1.585454387065	0.11371738627357	0.00674784805363878	0.260922751142913
STAD	GLYR1	cg15663121	0.274299749320558	443	5.79676909311016	1.34403031624965e-08	0.0752403524773208	3.57339352092705e-07
STAD	GLYR1	cg18354686	0.0611001276539009	395	1.17748438422196	0.239759069578045	0.00373322559932299	0.431675084677708
STAD	GTF2B	cg02705666	-0.165259974707156	443	-3.40530231856339	0.000725612523753233	0.0273108592402097	0.00513820322891489
STAD	GTF2B	cg04270788	-0.222088414034884	443	-4.62897137631259	4.92852577885897e-06	0.04932326364853	7.03375040250513e-05
STAD	GTF2B	cg05306856	0.147014912733972	395	2.85895290316342	0.00449113060832416	0.0216133845661774	0.0227498104954479
STAD	GTF2B	cg06356032	0.125362806441753	395	2.43057663322318	0.0155493630741318	0.0157158332389524	0.0600440360860225
STAD	GTF2B	cg07167781	-0.00345673534449284	395	-0.0664920292093284	0.947022016799852	1.1949019241866e-05	0.971716511797192
STAD	GTF2B	cg10430205	0.0085684211486922	395	0.164822922179844	0.869173370854112	7.34178409813557e-05	0.930580358895956

STAD	GTF2B	cg12074130	0.0358279711652387	395	0.68960753276152	0.490873294107185	0.00128364351781717	0.676618537895998
STAD	GTF2B	cg13868361	0.00742295860557438	395	0.142787393521444	0.886535817916953	5.51003144600708e-05	0.939786436364312
STAD	GTF2B	cg14010405	-0.0267141937615959	395	-0.514041231925293	0.607530025060649	0.000713648148332089	0.765495937263788
STAD	GTF2B	cg17811845	0.00939364279119637	395	0.180698299459089	0.856703327614692	8.82405248885955e-05	0.923770945977009
STAD	GTF2B	cg22607980	0.167622247268939	395	3.27055237365864	0.00117413583424806	0.0280972177794893	0.00767182286993896
STAD	GTF2H1	cg05849260	-0.232448594415768	395	-4.59716026050713	5.8865811213287e-06	0.0540323490458661	8.21713066127121e-05
STAD	GTF2H1	cg07583091	-0.350862432596729	395	-7.20715393689505	3.23453080249725e-12	0.123104446607695	1.68650864108225e-10
STAD	GTF2H1	cg08690812	-0.177631150471077	395	-3.47201843531869	0.000577630191099703	0.0315528256176784	0.00423726196005755
STAD	GTF2H1	cg10797557	-0.174259016800203	395	-3.40402114770526	0.000736717386529098	0.0303662049361734	0.00520074340904216
STAD	GTF2H1	cg11063328	-0.114539126936073	395	-2.21780002038119	0.0271752973621092	0.013119211599278	0.0916970324436315
STAD	GTF2H1	cg11176342	-0.0346165798535919	395	-0.666262521768246	0.50565851387207	0.0011983076007601	0.688760850037011
STAD	GTF2H1	cg11347316	-0.0143220547310417	395	-0.275518482101018	0.783071731688605	0.000205121251718953	0.880271115758963
STAD	GTF2H1	cg11662851	-0.166929959023396	395	-3.25665681804666	0.00123144133134395	0.0278656112195526	0.00798855461395694
STAD	GTF2H1	cg13777411	-0.143113919538993	443	-2.93866852466547	0.00348112996292065	0.0204815939658133	0.0185614135939307
STAD	GTF2H1	cg14132868	-0.161629349930183	395	-3.15042588424883	0.00176305324284299	0.0261240467588534	0.0107288349005573
STAD	GTF2H1	cg17174493	-0.0311772684852612	395	-0.599998410052462	0.548874571959609	0.000972022070202064	0.721944349047662
STAD	GTF2H1	cg18321761	0.108359189400387	395	2.0966762578685	0.0367007356798014	0.011741713927509	0.114874749797798
STAD	H2AFZ	cg02758870	0.110570725887466	395	2.13999225849325	0.0330089038322841	0.0122258854232812	0.105988718207393
STAD	H2AFZ	cg09308803	0.0543326055762131	395	1.04665455603492	0.295942184872371	0.00295203202870034	0.493918440100429
STAD	H2AFZ	cg16267491	-0.111446310031127	443	-2.27905411769899	0.023173415934659	0.012420280019554	0.0814251454029297
STAD	H2AFZ	cg17709884	0.0452501942818614	443	0.920535531144575	0.357830343641693	0.0020475800825462	0.556852445554347
STAD	H2AFZ	cg20934652	0.00945638302146654	395	0.181905292708864	0.855756666020586	8.94231798486806e-05	0.923264785110995
STAD	H2AFZ	cg23752380	-0.017462936271107	395	-0.335957515743395	0.73709333425913	0.000304954143208744	0.851824809040269
STAD	H2AFZ	cg24061702	0.0341839515860037	395	0.657925957103582	0.510994831770271	0.00116854254603425	0.693189389902462
STAD	H3F3A	cg06319713	-0.173118040855517	395	-3.38104207645462	0.000799133810902555	0.0299698560696526	0.00556311549757077
STAD	H3F3A	cg10632229	0.26399747172489	395	5.26487269042083	2.38382779791852e-07	0.0696946650771342	4.73201070965229e-06
STAD	H3F3A	cg10983539	-0.0182344480635212	395	-0.350804936963681	0.725934340369331	0.000332495096181253	0.844738995627597
STAD	H3F3A	cg11978873	-0.0237912839822118	395	-0.457764056050095	0.647390660259259	0.000566025193522246	0.793319718735568
STAD	H3F3A	cg15538837	0.0790308893360066	443	1.61113682465037	0.107913844776801	0.00624588146924012	0.251544604799138
STAD	H3F3A	cg15624314	-0.0755501096680662	395	-1.45740061700141	0.145854007222189	0.00570781907085682	0.309846167062887
STAD	H3F3A	cg16724613	-0.0752845795993153	395	-1.45224915612474	0.147279788752336	0.00566776792544564	0.311963511481996
STAD	H3F3A	cg16727519	0.027328730040869	395	0.525875032312199	0.599290073092366	0.000746859485646694	0.759562259830684
STAD	H3F3A	cg18947521	0.00488060081749507	443	0.0991867103807475	0.921038150898065	2.38202643397336e-05	0.958609163301412
STAD	H3F3A	cg19410789	-0.0759910493382462	395	-1.46595583081397	0.143509631233962	0.00577463957952777	0.306430660451097
STAD	H3F3A	cg21266749	-0.129192747962307	395	-2.50607427915209	0.0126364813763258	0.0166907661260521	0.051213463516014
STAD	H3F3A	cg21789564	-0.18335769161954	395	-3.58778192701829	0.000378329601821668	0.0336200430760464	0.00296840877903327
STAD	H3F3A	cg22519151	-0.225243468218379	395	-4.44691928461824	1.15342543983852e-05	0.0507346199750438	0.000148337871824761
STAD	H3F3A	cg27530209	0.00178884790900383	395	0.0344092316120226	0.972569377147431	3.19997684154738e-06	0.985558207323099
STAD	H3F3A	cg27560444	-0.255749546800028	395	-5.08867443003246	5.74776546220603e-07	0.0654078306884195	1.04667993063403e-05
STAD	HAT1	cg00414306	-0.177213186401778	395	-3.46358361165191	0.000595453735503733	0.0314045134346713	0.0043479188942911
STAD	HAT1	cg01583365	-0.171272738583952	395	-3.34390764120829	0.000910506136768905	0.0293343509820467	0.00620721918769326
STAD	HAT1	cg04507121	0.0675449041620202	395	1.30222615125021	0.193649127555502	0.0045623140782565	0.374732009189629
STAD	HAT1	cg04950839	0.0545191895469043	395	1.05025957658948	0.294284269584819	0.00297234202885128	0.492048712964116
STAD	HAT1	cg05421799	0.0146495681843027	395	0.2818203126926	0.778238852322914	0.000214609847986535	0.877306854871381
STAD	HAT1	cg09545452	-0.168998852675305	395	-3.29819830453255	0.00106741017004306	0.0285606122055693	0.00708879176782736
STAD	HAT1	cg10190161	-0.133096973189429	395	-2.58315366391397	0.010173218030771	0.0177148042721875	0.0432113198736444
STAD	HAT1	cg12941622	-0.118950479334441	395	-2.30441909651491	0.0217523178760275	0.0141492165338934	0.0776093987610295
STAD	HAT1	cg13293756	-0.104300531196603	395	-2.0172632811759	0.0443897268355404	0.0108786008078936	0.132242730036535
STAD	HAT1	cg14446129	-0.192537444929108	395	-3.77414740469706	0.000186937638793813	0.0370706676998293	0.00163946073164547
STAD	HAT1	cg16017358	-0.152274470053461	443	-3.13109699565683	0.00186536569757173	0.0231875142300625	0.0112308975471647
STAD	HAT1	cg24611092	-0.0926465575264075	48	-0.595789875328149	0.554590566765266	0.00858338462149393	0.726253552687221
STAD	HDAC1	cg03762702	-0.0561792372823963	395	-1.08233854316234	0.279806991541466	0.00315610670163179	0.476904911894447
STAD	HDAC1	cg04967775	-0.00733614112708908	395	-0.141117289554624	0.887854083011099	5.38189666365679e-05	0.940350989554471
STAD	HDAC1	cg06473843	0.00877090462998215	395	0.16871820889279	0.866110488640758	7.69287680282423e-05	0.92884200928204
STAD	HDAC1	cg10842753	0.0822121666494197	395	1.58675400001707	0.113422567614495	0.00675884034519196	0.260567440126453
STAD	HDAC1	cg14172124	-0.0188181134845971	395	-0.362037748524675	0.71753050115871	0.000354121395119177	0.839556120852808
STAD	HDAC1	cg20002354	-0.134686195954917	395	-2.61456382085285	0.00929926722026544	0.0181403713808064	0.0403001055168698

STAD	HDAC1	cg20793809	-0.0737531533098952	395	-1.4225444904218	0.155710751087674	0.0054395276231529	0.32383473694366
STAD	HDAC1	cg21930229	0.0293075646903628	395	0.563984527324027	0.573106345379015	0.000858933348079801	0.74056666014188
STAD	HDAC1	cg23018091	0.0737665886887817	395	1.42280504855701	0.155635231847783	0.0054415096067799	0.323722595555864
STAD	HDAC1	cg26115470	-0.0435693640290469	395	-0.838870037724032	0.402083873160804	0.00189828948189561	0.598643333690677
STAD	HDAC10	cg00711351	0.0398465258960887	395	0.767072428991235	0.443527630484543	0.00158774562598767	0.635674726614613
STAD	HDAC10	cg01120165	-0.0421128358191946	443	-0.856593872808564	0.39216610921893	0.00177349094073444	0.589199681349146
STAD	HDAC10	cg04321608	-0.0370135689328667	395	-0.712458416726085	0.476629981305788	0.00137000428514808	0.664378297181553
STAD	HDAC10	cg04586023	-0.239265872810806	443	-5.00791661902686	8.16748063072705e-07	0.057248157891917	1.42878567165905e-05
STAD	HDAC10	cg07482373	-0.203369153987061	395	-3.99537867465849	7.79545199559184e-05	0.0413590127934128	0.000777187482436334
STAD	HDAC10	cg07744063	-0.0283354314178457	395	-0.545261844290987	0.585901974089074	0.000802896673635437	0.750233898052963
STAD	HDAC10	cg09151829	-0.0400119830252389	395	-0.770262686944786	0.441635605850077	0.001600958785612	0.6341898386957
STAD	HDAC10	cg10508940	-0.0142186293538959	395	-0.273528447394233	0.784599648639598	0.000202169420703469	0.881045676376207
STAD	HDAC10	cg11645658	-0.0119634483290156	395	-0.230137993045997	0.818111725055481	0.000143124095921027	0.902165910116911
STAD	HDAC10	cg12464820	-0.0854560641588984	395	-1.64981533824355	0.0998293440798306	0.00730273890152976	0.237961882379775
STAD	HDAC10	cg26943378	0.102788043339813	395	1.98769575555024	0.0475820626125756	0.0105653818536272	0.139200159209755
STAD	HDAC11	cg01409735	-0.214225881962504	395	-4.21865682869184	3.09443929487835e-05	0.0458927285026126	0.000350141037280507
STAD	HDAC11	cg01712016	-0.0544428720193082	443	-1.10805326850922	0.268483686489652	0.00296402631371077	0.464278168743817
STAD	HDAC11	cg02762546	-0.343164571732999	395	-7.02765459747665	1.01641101360297e-11	0.117761923292692	4.81257933002003e-10
STAD	HDAC11	cg02941903	-0.0746725553330464	395	-1.4403766576178	0.15060648669378	0.00557599051996687	0.316498247598755
STAD	HDAC11	cg05987698	-0.240227544341282	395	-4.76026582268114	2.77845655348619e-06	0.0577092730602427	4.23071538700146e-05
STAD	HDAC11	cg07450135	-0.102735628294433	395	-1.98667134833279	0.0476960522072946	0.0105546093210518	0.139412612640025
STAD	HDAC11	cg08051076	-0.0931835416768577	395	-1.80025421215545	0.0726348770049625	0.00868317243944267	0.189375302032677
STAD	HDAC11	cg08448040	0.0891710707866222	443	1.81941826736598	0.0695715358339813	0.00795147986523279	0.183559280966295
STAD	HDAC11	cg10061496	0.119308307229421	48	0.769441840990085	0.446041467211973	0.0142344721739499	0.637946623335065
STAD	HDAC11	cg10455785	-0.0292245185686802	395	-0.562385048784406	0.574194258737377	0.000854072485571134	0.741441227039397
STAD	HDAC11	cg11432034	-0.208784690123756	395	-4.10655548270532	4.94626306967885e-05	0.043591046830073	0.000524823081744084
STAD	HDAC11	cg13397067	-0.0744963741457202	395	-1.43695926890317	0.151574627323496	0.00554970976085912	0.317965619901811
STAD	HDAC11	cg13706066	-0.207589896560989	395	-4.08199376478574	5.47401961487489e-05	0.0430935651542023	0.00057407101903421
STAD	HDAC11	cg16254764	-0.177021657431719	443	-3.65523243020302	0.00029009413840813	0.0313366671998728	0.00237678603510501
STAD	HDAC11	cg18521047	-0.207400876058307	395	-4.07810976802141	5.56222998073216e-05	0.0430151233897531	0.000582144651044097
STAD	HDAC11	cg19779799	-0.272380726309653	395	-5.44523462535687	9.44689035213242e-08	0.0741912600649741	2.06088443088556e-06
STAD	HDAC11	cg20894727	-0.21665425660172	395	-4.26881913061243	2.50023577065884e-05	0.046939066903644	0.000290998416431229
STAD	HDAC11	cg20922324	-0.0907423412290677	395	-1.7526946953306	0.0804826574208097	0.00823417249173257	0.203890447160169
STAD	HDAC11	cg21655280	-0.193847701304706	395	-3.80083052510447	0.000168586657546141	0.0375769313011185	0.00150418975079074
STAD	HDAC11	cg25127083	-0.214868409416784	395	-4.23192132705434	2.92538151120112e-05	0.0461684333652986	0.000333457462745903
STAD	HDAC11	cg25150878	-0.223574687643493	395	-4.41223271017785	1.34371265687373e-05	0.0499856409548855	0.000169348462923857
STAD	HDAC11	cg27025856	-0.181876145935455	443	-3.75885226664639	0.00019528636394091	0.0330789324603351	0.00170162493239462
STAD	HDAC2	cg00161229	-0.0915840589246033	395	-1.76908941284207	0.0777027081676501	0.00838763984910521	0.198776865478269
STAD	HDAC2	cg01129566	0.0156208215186837	395	0.30050916713824	0.763957583450408	0.000244010064918573	0.868942411681278
STAD	HDAC2	cg08198132	-0.190680325471145	395	-3.73636339558371	0.00021617004942798	0.0363589865217818	0.00185165523290027
STAD	HDAC2	cg10999867	0.114274313618426	395	2.2126045647961	0.0275349203966593	0.0130586187529624	0.0925932219822647
STAD	HDAC2	cg13393754	-0.155978333863416	395	-3.03748047009628	0.0025549067200228	0.0243292406348074	0.0144897873716887
STAD	HDAC2	cg15005908	-0.0275338569159449	395	-0.529825184308694	0.596550917370631	0.000758113276667729	0.757645863319851
STAD	HDAC2	cg15242771	-0.121287027730002	395	-2.35035410180987	0.0192800308996521	0.0147105430955782	0.0707419452791026
STAD	HDAC2	cg18387216	-0.168529896152679	443	-3.47463144591107	0.000565695365887813	0.0284023258972327	0.00415991164513437
STAD	HDAC2	cg18674783	-0.0495965758188353	395	-0.955184698724759	0.340107943362043	0.00245982033295348	0.539361071163118
STAD	HDAC2	cg22867643	-0.180764770998878	395	-3.53531937956704	0.000458951379887262	0.0326759024342767	0.0034900941981378
STAD	HDAC2	cg24023618	-0.0641725996285289	395	-1.23693415084461	0.216896033473275	0.00411812254308347	0.40420683279082
STAD	HDAC3	cg01947930	0.201373001424328	395	3.9544963347296	9.19117129271219e-05	0.0405510857026426	0.000895778997425773
STAD	HDAC3	cg01961137	-0.0323277764398529	395	-0.622162386995189	0.534218295777913	0.00104508512954511	0.711033005435611
STAD	HDAC3	cg04284814	0.0447182260297822	443	0.909691760202854	0.363515666893461	0.00199971973925069	0.562438607582697
STAD	HDAC3	cg08520975	0.0508845653071159	395	0.98005377558536	0.32769995141723	0.00258923898649414	0.527226652445631
STAD	HDAC3	cg10414058	0.327457011242783	443	7.04302227355526	7.90948655874262e-12	0.107228094212056	3.83849405708561e-10
STAD	HDAC3	cg11064797	0.120949175017398	443	2.47615588793738	0.0136803918183072	0.0146287029373893	0.054423444799563
STAD	HDAC3	cg11153694	0.302243961035463	395	6.09902644215968	2.6885224198403e-09	0.0913514119824063	8.20199659329634e-08
STAD	HDAC3	cg12082871	0.257849770347795	395	5.13342605407681	4.60690261092874e-07	0.0664865040684106	8.57801296588296e-06
STAD	HDAC3	cg14098966	0.147196067019376	395	2.86255372356401	0.00444152231516651	0.0216666821459725	0.0225638178297887

STAD	HDAC3	cg17940889	0.275240633346321	395	5.50706777055349	6.83918643059682e-08	0.0757574062448837	1.54172028160489e-06
STAD	HDAC3	cg18671773	0.0950531181017371	395	1.83669943718349	0.0670562802038667	0.00903509526086279	0.178674347930525
STAD	HDAC3	cg19549288	0.270012892925161	395	5.39415850856093	1.23089022057135e-07	0.0729069623458147	2.62416754779741e-06
STAD	HDAC3	cg20642138	0.233840611956354	395	4.62627778742824	5.15624498600964e-06	0.0546814318001223	7.31208865440756e-05
STAD	HDAC3	cg23421926	0.213734570459884	395	4.20851794399093	3.22990453198279e-05	0.0456824666096713	0.000363365427564814
STAD	HDAC3	cg24385322	0.237324440670163	443	4.96484599280514	1.00773970810841e-06	0.0563228901394058	1.71972302168909e-05
STAD	HDAC6	cg07153944	-0.246937271675162	395	-4.90173273213695	1.42413885852468e-06	0.0609780161423727	2.33535957757312e-05
STAD	HDAC6	cg07674520	-0.36191946367272	394	-7.45781594142188	6.34658410240714e-13	0.13098569818515	3.70109567963014e-11
STAD	HDAC6	cg10783042	-0.201885727192384	443	-4.18905936245181	3.42706343534069e-05	0.0407578468439975	0.000383053121966802
STAD	HDAC6	cg12510923	-0.295821285319008	395	-5.95684473397678	5.98788750750655e-09	0.0875102328477902	1.71132153107628e-07
STAD	HDAC6	cg13178935	-0.204398097452744	395	-4.01647228176571	7.15647653768627e-05	0.0417785822423015	0.000722839438811692
STAD	HDAC6	cg17152375	-0.238226620212267	395	-4.71821999811647	3.37862184618673e-06	0.0567519225777599	5.02363356082283e-05
STAD	HDAC6	cg24616736	-0.184554429686476	443	-3.81614176587057	0.000156296247362206	0.0340603375169005	0.00141038281722485
STAD	HDAC6	cg26680189	-0.166366202128135	395	-3.24534479496295	0.00127999579227941	0.0276777132105395	0.00824236343552555
STAD	HDAC9	cg00332048	-0.208805374638589	395	-4.10698086919536	4.93756424658618e-05	0.0435996844779615	0.000524243036712059
STAD	HDAC9	cg02301805	0.0917166195411107	395	1.77167173522523	0.0772720834780041	0.00841193830004884	0.198052993611223
STAD	HDAC9	cg03260621	0.031486386737857	395	0.605953184836241	0.544917383899766	0.000991392549805897	0.718975755566779
STAD	HDAC9	cg07513622	0.099118135209336	395	1.91601046000279	0.0561340735181216	0.00982440472737621	0.156862463280605
STAD	HDAC9	cg08146609	-0.0101467998604792	395	-0.195187640592253	0.845353192691315	0.00010295754740862	0.917368648042576
STAD	HDAC9	cg08285151	-0.112517640819577	443	-2.30124218048155	0.0218751156025233	0.0126602194956033	0.0779440637192644
STAD	HDAC9	cg08725366	0.17712554478293	395	3.46181518460888	0.000599255180988826	0.0313734586146496	0.00436993415352875
STAD	HDAC9	cg10068437	0.00532084738845658	395	0.102349991897405	0.918534321656806	2.83114169312452e-05	0.957014692349524
STAD	HDAC9	cg11321459	-0.0267249481272294	395	-0.51424831800816	0.607385394127396	0.000714222852403104	0.765432916213031
STAD	HDAC9	cg11765288	0.00595356693795595	395	0.11452117620565	0.908886779933945	3.54449592847221e-05	0.951602085518308
STAD	HDAC9	cg12081743	0.0639236286032023	443	1.30174397687141	0.193729524460751	0.00408623029380014	0.374844416900454
STAD	HDAC9	cg16475478	0.274734890232264	395	5.49612181120127	7.24318502750833e-08	0.0754792599109344	1.6243192159988e-06
STAD	HDAC9	cg18856632	0.0154473374531714	395	0.297170926255383	0.766502781759978	0.000238620234392153	0.870574414164559
STAD	HDAC9	cg19585556	-0.0244234020567286	392	-0.468024683777961	0.640044755272202	0.000596502568024613	0.788500861375315
STAD	HDAC9	cg20648975	0.146909369559452	395	2.85685514735722	0.00452026310881768	0.0215823628643556	0.022867040466079
STAD	HDAC9	cg21433125	-0.018431930469408	394	-0.354125981987156	0.723446738749846	0.000339736060829091	0.84326516211296
STAD	HDAC9	cg23074799	0.106306486200313	395	2.05649942863199	0.0404352156460256	0.0113010690082573	0.123341459569949
STAD	HDAC9	cg23385718	0.0335592728735163	395	0.645889313294529	0.518751410468336	0.00112622479579913	0.699529847862041
STAD	HDAC9	cg24350771	0.279362442798968	395	5.59646299926544	4.26555639554542e-08	0.0780433744466067	1.01478499766073e-06
STAD	HDAC9	cg25620356	-0.0608332699402281	395	-1.17232252083033	0.241821849089184	0.00370068673162066	0.434163141658065
STAD	HDGF	cg00692559	0.063122435387634	395	1.21661046356323	0.2245279598028	0.00398444184926603	0.413739591751583
STAD	HDGF	cg00746981	-0.187456186748466	443	-3.87831082944531	0.000122354444641224	0.0351398219502756	0.00114528235668624
STAD	HDGF	cg01910231	-0.0775617931451684	395	-1.49643883177936	0.135391831847708	0.0060158317558939	0.294266257837023
STAD	HDGF	cg02914429	0.115788888358158	395	2.24232596720781	0.0255320750381042	0.0134070666672181	0.0875420796647837
STAD	HDGF	cg04402095	0.0490719093620265	395	0.9450555806846	0.345247228532831	0.00240805228843494	0.544447971792241
STAD	HDGF	cg05762852	0.108507563171824	395	2.09958137003041	0.0364425274547654	0.0117738912654873	0.114337970591491
STAD	HDGF	cg05967123	0.0670819906892687	395	1.29326096843276	0.196727664741017	0.00449999347483514	0.378873890945751
STAD	HDGF	cg06106793	0.19551859974131	443	4.05160344455472	6.07784546176191e-05	0.0382275228448025	0.000629754808007866
STAD	HDGF	cg06119628	-0.0601608297539043	395	-1.15931653945926	0.247074795292714	0.00361932543667826	0.440316427696578
STAD	HDGF	cg07313589	-0.0693861944596242	395	-1.33789459401695	0.181752497052572	0.00481444398158879	0.359210755441994
STAD	HDGF	cg07892339	0.0990473293213709	395	1.91462817596716	0.0563108527987276	0.0098103734456961	0.157266073689615
STAD	HDGF	cg08597205	-0.0478748976922968	393	-0.919454075625652	0.358460396218565	0.00229200582904789	0.557442639948567
STAD	HDGF	cg08708935	0.0383415746370678	395	0.738057613719046	0.460947284986447	0.00147007634564984	0.650621682505384
STAD	HDGF	cg09063372	0.100825622662961	395	1.9493532593566	0.0520084693275947	0.0101658061853739	0.14849691194564
STAD	HDGF	cg09477492	0.100314490605348	395	1.9393703656816	0.0532160934138489	0.0100629970254105	0.150966875326543
STAD	HDGF	cg11588596	0.225573484372475	395	4.45378373291641	1.11896165101309e-05	0.0508833968519393	0.000144550818131705
STAD	HDGF	cg12220178	0.0316004894112456	395	0.608151273377932	0.543460268490653	0.000998590931030242	0.717791988573207
STAD	HDGF	cg12421458	0.256782247997886	443	5.39948036683154	1.12996989173077e-07	0.0659371228868481	2.4256312846938e-06
STAD	HDGF	cg13170934	0.0313857852876754	395	0.604015205265153	0.546203686631198	0.000985067518124064	0.719838885933819
STAD	HDGF	cg13235992	0.138140167934075	394	2.67927299657283	0.00770856846410573	0.0190827059968546	0.0349380646934972
STAD	HDGF	cg14155849	-0.0268917597816195	395	-0.51746046643331	0.605143977396932	0.000723166744152326	0.763866454740323
STAD	HDGF	cg15503799	0.22951572245734	443	4.79223970719438	2.30448357758185e-06	0.0526774668551146	3.57644386296221e-05
STAD	HDGF	cg17170583	-0.0250890419687485	395	-0.48274931762439	0.629559233799811	0.000629460026909624	0.781414433502816

STAD	HDGF	cg17218029	-0.0629214467128496	395	-1.21272122148046	0.226010145954761	0.00395910845643797	0.41543057104924
STAD	HDGF	cg17971171	0.0202873563250521	395	3.98522386882362	8.12203571470805e-05	0.0411576826659632	0.000804488981907306
STAD	HDGF	cg18593717	-0.0119712504153002	395	-0.230288101418217	0.817995174894518	0.000143310836505825	0.902092887023474
STAD	HDGF	cg19599803	-0.0189644230057677	395	-0.364853575597937	0.71542916028254	0.000359649339941691	0.83823209023028
STAD	HDGF	cg20284773	0.232099512217579	395	4.58986302623755	6.08463365821047e-06	0.0538701835716379	8.45868461055799e-05
STAD	HDGF	cg23747104	0.194874987592313	395	3.82176578572971	0.000155394159145654	0.0379762607891043	0.00140354501527656
STAD	HDGF	cg26431298	0.126835077761589	395	2.4595854904081	0.0143664591715343	0.0160871369507882	0.0564713417609186
STAD	HDGFL1	cg02685945	-0.452373745820554	395	-9.75701401578188	3.64513355252492e-20	0.204642005907719	4.957509083656e-18
STAD	HDGFL1	cg03930485	-0.30125824099058	395	-6.07714644721039	3.04397866247537e-09	0.0907565277647381	9.1642134701474e-08
STAD	HDGFL1	cg05276066	-0.243030860611563	395	-4.8192809398333	2.10648328123818e-06	0.059063999209597	3.30653269533178e-05
STAD	HDGFL1	cg06566039	-0.729572654937656	395	-20.5198746041125	5.02920137739608e-63	0.532276258832779	4.83014434510063e-60
STAD	HDGFL1	cg08671671	-0.30018774498903	395	-6.05340895062584	3.48159900498471e-09	0.0901126822415991	1.0393227666838e-07
STAD	HDGFL1	cg09081892	-0.328055642164487	395	-6.67995569635504	8.79176354921823e-11	0.107620504355954	3.55112385019669e-09
STAD	HDGFL1	cg11894257	-0.30674192673173	395	-6.19914254092126	1.51655489583596e-09	0.0940906096150943	4.85110491639239e-08
STAD	HDGFL1	cg15317945	-0.180446157639902	395	-3.5288781604795	0.000469891553956554	0.0325608158070045	0.00356075818707346
STAD	HDGFL1	cg20209681	0.0651922888707943	395	1.25667200742165	0.209665206041089	0.00425003452821309	0.395123426326562
STAD	HDGFL1	cg21898884	0.0311395545509107	382	0.588650025955008	0.55646831332966	0.00096967185762914	0.727854865276205
STAD	HIST1H1	cg00667898	-0.135564803884514	395	-2.63193785090676	0.00884530893019187	0.0183778160522466	0.0388093494862022
STAD	HIST1H1	cg00700007	-0.149161706523409	395	-2.90164393656845	0.00393417514960226	0.0222492146929757	0.0205007181718908
STAD	HIST1H1	cg03821311	-0.0922922290813171	443	-1.88363916800531	0.0603161235051484	0.00851785554879831	0.165300941025841
STAD	HIST1H1	cg04676561	-0.123067165683825	443	-2.52017787002585	0.0121055891170372	0.0151455272694501	0.0494976453153996
STAD	HIST1H1	cg07138603	-0.14351030762493	395	-2.78934893024133	0.00555457376920189	0.0205952083946021	0.0269722991245173
STAD	HIST1H1	cg11206041	-0.143919559729543	395	-2.79747138967751	0.00541967753729056	0.0207128396727454	0.0264536575690791
STAD	HIST1H1	cg14334286	-0.147634427726917	395	-2.8712682787749	0.00432351926588525	0.0217959242502543	0.0220916838857376
STAD	HIST1H1	cg18798248	-0.128109930312085	395	-2.48471785170969	0.0134067980867666	0.0164121542445672	0.0535734770064681
STAD	HIST1H1	cg23460835	-0.155488691858322	395	-3.02770869058668	0.00263688422886073	0.0241767332958121	0.0148507762035758
STAD	HIST1H1	cg00903962	-0.0236440942896609	395	-0.454930415105683	0.649426109790602	0.000559043194778373	0.794962468294469
STAD	HIST1H1	cg04290376	-0.0408140034062678	395	-0.785727729271555	0.432529884437199	0.00166578287404684	0.626223290216397
STAD	HIST1H1	cg07750111	0.00490130956357881	443	0.0996075769333682	0.920704208899078	2.40228354380291e-05	0.958415325148287
STAD	HIST1H1	cg08283682	-0.0169801819294005	395	-0.326667417693535	0.744104154644359	0.00028832657835554	0.856239811015813
STAD	HIST1H1	cg10717387	0.0378205967367782	395	0.728014565120525	0.467065131100672	0.001430397537526	0.656183786481601
STAD	HIST1H1	cg12633985	0.0134896340128406	395	0.259501902972528	0.79539233988724	0.000181970225800387	0.888000339966246
STAD	HIST1H1	cg15022984	-0.0351228265210422	395	-0.676018158513677	0.499451437285289	0.00123361294282723	0.683610189505038
STAD	HIST1H1	cg16481032	-0.03674149039273	395	-0.707214187248684	0.47987856102707	0.00134993711627907	0.667173135136089
STAD	HIST1H1	cg16482183	-0.0324775229370182	395	-0.62504736073347	0.532325255956498	0.00105478949612455	0.709773387239721
STAD	HIST1H1	cg17691542	-0.0247606763039418	395	-0.476427187356928	0.63405128966101	0.000613091091028584	0.784535134299738
STAD	HIST1H1	cg20855557	-0.0273341705528097	395	-0.525979800020447	0.599217350160199	0.000747156879810088	0.759510673915013
STAD	HIST1H1	cg21453677	-0.0289171246928182	48	-0.185237405963424	0.853956161269299	0.000836200100499995	0.922107767766478
STAD	HIST1H1	cg23407813	-0.0099526550531605	395	-0.191452624818376	0.848276011684691	9.90553426072012e-05	0.919000022489769
STAD	HIST1H3	cg00958605	0.036595974795782	394	0.704409483959881	0.481620920430045	0.00133926537125351	0.668782783569871
STAD	HIST1H3	cg01043409	0.102799122603359	395	1.98791229241938	0.047557997215041	0.0105676596080205	0.139155483331963
STAD	HIST1H3	cg08041469	0.11166039380976	395	2.16134670393355	0.031309469395591	0.0124680435457507	0.101915932137772
STAD	HIST1H3	cg08401836	0.157358408470968	395	3.06503497889538	0.00233618568704798	0.024761668716516	0.0134792872015287
STAD	HIST1H3	cg10075390	0.114856371923591	395	2.22402478018771	0.0267497927079152	0.0131919861714503	0.0906307814955599
STAD	HIST1H3	cg15479139	0.248384599436113	395	4.93234550222497	1.22981333446808e-06	0.0616949092370383	2.05525453365434e-05
STAD	HIST1H3	cg15797414	0.0937982716841285	443	1.91464738334474	0.0562280745628416	0.00879811577092958	0.157057442552932
STAD	HIST1H3	cg21209604	0.207670029621531	395	4.0836404845798	5.43702367926753e-05	0.0431268412030075	0.000570772197752499
STAD	HIST1H3	cg23099349	0.075699244798151	443	1.5428172531109	0.123640969199209	0.00573037566301038	0.276402355179266
STAD	HIST1H3	cg25701114	0.0846891801888553	395	1.63490242774125	0.102919943318704	0.00717225724106039	0.243164410390951
STAD	HLTF	cg00906762	0.00147361379864178	395	0.0283455581521927	0.977401827389581	2.17153762754744e-06	0.988173495177723
STAD	HLTF	cg02059813	0.0559490212217296	443	1.13880225844105	0.255445758509653	0.00313029297566954	0.449697835200271
STAD	HLTF	cg02398045	-0.493102812121412	395	-10.9026869836374	3.45002387706795e-24	0.243150383322045	6.46725680705118e-22
STAD	HLTF	cg02611507	-0.391496394019717	395	-8.1838188483765	4.48188139116e-15	0.153269426530442	3.50063735887451e-13
STAD	HLTF	cg02710346	-0.075580705310619	395	-1.45799421293738	0.145690400283137	0.00571244301525063	0.309618455941746
STAD	HLTF	cg03678609	-0.490782974162086	395	-10.8350689687039	6.05005307784237e-24	0.240867927727383	1.0971044968244e-21
STAD	HLTF	cg04120413	-0.478320812230146	395	-10.4769299184721	1.15035923987994e-22	0.228790799412507	1.91725479813589e-20
STAD	HLTF	cg04731810	-0.426084619229706	395	-9.05941468545167	7.7031993530574e-18	0.181548102744124	8.32855655440817e-16

STAD	HLTF	cg04836786	-0.483813770629146	441	-11.2074350444724	1.27904403439812e-25	0.234075764650392	2.73357009922988e-23
STAD	HLTF	cg05555455	-0.496350046654601	395	-10.9978534757473	1.5603660231908e-24	0.246363368814024	3.06533117192185e-22
STAD	HLTF	cg07275648	-0.285470754020601	395	-5.72956141956303	2.08883109096296e-08	0.0814935514010907	5.36298765314761e-07
STAD	HLTF	cg09352720	-0.23733406659973	395	-4.6994851729474	3.68458214963356e-06	0.056327459168765	5.43287308090586e-05
STAD	HLTF	cg09392355	-0.028945073604632	395	-0.557002989738181	0.577862152518205	0.000837817285977566	0.744308338435601
STAD	HLTF	cg15438497	-0.496187322966222	395	-10.9930700521547	1.62398648415102e-24	0.246201859472386	3.17428152130765e-22
STAD	HLTF	cg16724124	0.144534934793758	395	2.80968754847066	0.00522238030679446	0.0208903473758357	0.0256726605742034
STAD	HLTF	cg20117402	-0.0426273973330118	395	-0.820700343531863	0.412345407768383	0.00181709500338646	0.608013209275117
STAD	HLTF	cg21089667	0.100873029126262	443	2.06049212847423	0.0399773062984715	0.0101753680051077	0.122440730952098
STAD	HLTF	cg21111416	-0.427913810017769	395	-9.10700207813727	5.38725707623799e-18	0.183110228803923	5.92781155571228e-16
STAD	HLTF	cg21835021	-0.0972300677631185	394	-1.87662016385219	0.06135913427839	0.00945368607722061	0.167334098438375
STAD	HLTF	cg21926402	-0.489102269250185	395	-10.7862700740858	9.06423943572704e-24	0.23922102978568	1.62101940842057e-21
STAD	HLTF	cg24041269	-0.480150591197874	395	-10.5289872864657	7.52133106892735e-23	0.230544590227668	1.28033791942261e-20
STAD	HLTF	cg24710191	0.142893735635525	392	2.76959864842865	0.00589691838751927	0.0204186196838753	0.0282878996755673
STAD	HLTF	cg25951608	-0.0730976951322683	395	-1.4098338484159	0.159428761123083	0.00534327303365005	0.328981460021462
STAD	HLTF	cg26151310	-0.376196412503178	443	-8.25135991205103	2.12347409941879e-15	0.141523740780261	1.73294363154197e-13
STAD	HLTF	cg27554556	-0.460373505870412	395	-9.97545191792534	6.50550741523879e-21	0.211943764907414	9.32024758491872e-19
STAD	IDH1	cg00707300	-0.0403363711439872	395	-0.776517553664533	0.437939573684263	0.00162702283706548	0.630803591904934
STAD	IDH1	cg01046174	-0.0187457453928523	443	-0.381025515663854	0.703380237826798	0.000351402970333645	0.83052452230284
STAD	IDH1	cg02241586	0.0139063736120431	443	0.28263823765378	0.777595761677292	0.000193387227037729	0.877019587395497
STAD	IDH1	cg03448938	-0.118438861561028	395	-2.29436623841212	0.0223289332805836	0.0140277639278725	0.079082951770076
STAD	IDH1	cg05268564	-0.0206929040052493	395	-0.398121202026851	0.690770463673626	0.000428196276170464	0.822269787936684
STAD	IDH1	cg07129696	-0.0102298994990921	395	-0.196786342975162	0.844102786062083	0.000104650843761525	0.916678944644693
STAD	IDH1	cg07915542	-0.0395447893174066	443	-0.804274187242106	0.421701347012734	0.00156379036215807	0.616836540867717
STAD	IDH1	cg09406631	0.077077883675444	395	1.48704654735445	0.137854172299826	0.00594100015188528	0.298060797106523
STAD	IDH1	cg09615745	-0.0638114840304139	395	-1.22994506723662	0.219499138026958	0.00407190549416376	0.407476636846016
STAD	IDH1	cg10356455	-0.0413055160481285	395	-0.795206123383866	0.427003425109164	0.0017061456560022	0.621390707713389
STAD	IDH1	cg14772913	0.0538228458130772	395	1.03680596063325	0.300503409030559	0.00289689873141828	0.498812832375781
STAD	IDH1	cg15399923	-0.0474695964369717	395	-0.914126428719896	0.361245722275672	0.00225336258588895	0.560105826099446
STAD	IDH1	cg16085695	-0.0279454375969491	395	-0.537751243700184	0.591072084511772	0.000780947482484976	0.753862804205406
STAD	IDH1	cg16863783	-0.0728220193265483	395	-1.40448849410407	0.161012331123619	0.00530304649879618	0.331133668740075
STAD	IDH1	cg24324379	-0.0356131380419641	443	-0.724203885584695	0.469350605545077	0.00126829560119599	0.658217857798055
STAD	IDH1	cg24830471	-0.0576238979017566	395	-1.11026266114803	0.267606876828918	0.00332051360939207	0.463357950900951
STAD	IDH1	cg24987806	-0.0638143809466683	395	-1.23000113263958	0.219478167101625	0.0040722752156065	0.407457152813665
STAD	IDH1	cg25795625	-0.0101703027731347	395	-0.195639798133362	0.8449995030711173	0.000103435058497232	0.917197323966269
STAD	IDH1	cg26105702	-0.0983785597590108	395	-1.90157379374496	0.0580034311380835	0.00967834102025726	0.160615039579842
STAD	ING2	cg02075087	-0.078127141242986	395	-1.50741312110491	0.132558116032386	0.00610385019880148	0.290038814630646
STAD	ING2	cg02552216	-0.0673179018512404	395	-1.29782972290205	0.195154341599737	0.00453169990965324	0.376795315457409
STAD	ING2	cg10348863	-0.0643607721843774	443	-1.31068289267445	0.190693286620878	0.00414230899616933	0.370962963200649
STAD	ING2	cg17985608	-0.0358416980628157	395	-0.689872084324799	0.490707091268558	0.00128462732002605	0.67648045635219
STAD	ING3	cg01382559	-0.0394388255938301	395	-0.759211633861474	0.448209368119251	0.00155542096422054	0.639615503970889
STAD	ING3	cg01416111	-0.20237855760281	395	-3.97508423992298	8.46105926293511e-05	0.0409570805773939	0.000833400410611261
STAD	ING3	cg10268125	0.085125660730675	395	1.64338991607929	0.101151733723081	0.00724637811483398	0.240198576288385
STAD	ING3	cg14303833	-0.096356386094575	395	-1.86211671279153	0.063379171421335	0.0092845531412068	0.171311603542314
STAD	ING3	cg16130600	-0.024786252615963	395	-0.476919610790537	0.633700919185305	0.000614358318742335	0.784264886105937
STAD	ING3	cg18485114	0.0092455428012079	395	0.177849168081231	0.858938759720424	8.54800616889672e-05	0.925063442333322
STAD	ING3	cg19478983	-0.113013710758379	395	-2.18787893346818	0.0293034287929139	0.0127720988193785	0.0970055718942956
STAD	ING3	cg19960827	0.0452867729102671	395	0.872003120811493	0.383772163316547	0.0020508918006261	0.581949469280875
STAD	ING3	cg20553930	-0.130282468254059	395	-2.52757605190879	0.0119009173070509	0.0169735215343699	0.0488378942335137
STAD	ING3	cg24859794	-0.106167651202089	395	-2.0537830268668	0.0406989867510284	0.0112715701617684	0.123870773681905
STAD	ING4	cg00369908	-0.0423623788564287	395	-0.815588771725239	0.415260081694421	0.00179457114237559	0.610929740068379
STAD	ING4	cg00443163	-0.108365981319598	395	-2.09680923842988	0.036688882198217	0.0117431859073595	0.114851511075132
STAD	ING4	cg00591160	-0.165792465926548	395	-3.23383589316976	0.00133121142513716	0.0274871417580055	0.00851178682044509
STAD	ING4	cg03930474	-0.119560333353094	443	-2.44730778293836	0.0148084410639601	0.0142946733115029	0.0577959850741282
STAD	ING4	cg04375284	-0.256939845802772	395	-5.11402783582251	5.07158347306369e-07	0.0660180843611524	9.34925982709756e-06
STAD	ING4	cg08733494	-0.259483803410329	395	-5.16829795061628	3.8731535173981e-07	0.0673318442322903	7.31685538446984e-06
STAD	ING4	cg12392916	-0.227545198482224	395	-4.4948298183369	9.32595104704622e-06	0.0517768173523146	0.000123238157933398

STAD	ING4	cg18123790	0.0020658401925825	395	0.0397373143078347	0.968323985092531	4.2676957012893e-06	0.983379398362326
STAD	ING4	cg23354319	-0.144922410624251	395	-2.81738125787113	0.00510149034768838	0.0210025051011441	0.0251850069874394
STAD	ING4	cg27116036	-0.182979372357092	395	-3.58012259810915	0.000389208039206634	0.0334814507081952	0.00303587135253513
STAD	INO80	cg00734724	-0.145222573684902	395	-2.82334219722496	0.0050095794224012	0.0210895959076667	0.0248084042005398
STAD	INO80	cg06380007	-0.0904048828750612	443	-1.84479859729532	0.0657826723831583	0.00817304284765353	0.176070779816804
STAD	INO80	cg12580230	-0.126446826190438	395	-2.45193399085576	0.0146704661025651	0.0159887998536348	0.0573821831154383
STAD	INO80	cg18952654	0.0935243377649661	394	1.80445278965134	0.0719755778178403	0.00874680175437545	0.188141127675853
STAD	INO80	cg21007089	-0.15470335716593	395	-3.01204054784561	0.0027733794608082	0.0239331287184094	0.0154656395362522
STAD	INO80	cg21598047	-0.142283882484853	395	-2.76501670351017	0.00597708081116767	0.0202447032149633	0.0285761638797313
STAD	INO80	cg22835709	-0.366819795424962	395	-7.5846288200499	2.72283440455009e-13	0.134556762315611	1.67579256066115e-11
STAD	INO80	cg26409855	-0.0917335133118186	395	-1.77200083799797	0.0772173432679587	0.00841503746452959	0.197977918469039
STAD	INO80	cg27441689	-0.322057163572946	395	-6.54353109938792	2.00475784295121e-10	0.103720816608651	7.5451442493733e-09
STAD	INTS12	cg00093890	0.128792919268437	395	2.49818739503719	0.0129162526637168	0.0165876160536861	0.0520731621345563
STAD	INTS12	cg01852585	0.11895085357459	395	2.30442645069886	0.0217519008602775	0.0141493055661235	0.0776093987610295
STAD	INTS12	cg03607115	0.122197252589923	395	2.36825921139339	0.0183852922664091	0.0149321685405253	0.0682313436968338
STAD	INTS12	cg19703969	0.109422698862771	395	2.11750258784948	0.0348838048936473	0.0119733270264126	0.110584788830334
STAD	INTS12	cg26533745	0.126655119111143	395	2.45603879798317	0.0145066746133708	0.0160415191970579	0.0568701998020846
STAD	IWS1	cg02372421	-0.169791998315764	395	-3.31413580754971	0.001010052270041	0.0288293226920605	0.0067697084772611
STAD	IWS1	cg02592214	0.00776496329343813	395	0.149366554244366	0.881345781976441	6.02946549484415e-05	0.937055498408824
STAD	IWS1	cg10180764	-0.0407002892578647	395	-0.783534932389598	0.433814310693691	0.00165651354567386	0.627389152697678
STAD	IWS1	cg10488833	-0.260462518555238	395	-5.18920747234805	3.48892358893221e-07	0.0678407235721378	6.663818356921e-06
STAD	IWS1	cg15239145	-0.26959706836975	395	-5.38519976368214	1.28910808594511e-07	0.0726825792735634	2.73553940092783e-06
STAD	IWS1	cg17144508	-0.187593157527453	395	-3.67364533450478	0.000274400280835049	0.0351911927511198	0.0022673070044909
STAD	IWS1	cg18451256	-0.0691600767930046	395	-1.33351363689937	0.183183659094355	0.00478311622201429	0.361282702954626
STAD	IWS1	cg18530950	0.0596612084479369	395	1.14965415592876	0.251028907006264	0.00355945979346817	0.444669326038784
STAD	IWS1	cg19311602	-0.146332503236042	443	-3.00618810067683	0.00280691098013948	0.0214132015033263	0.0156150481113394
STAD	IWS1	cg19409088	-0.209634312310333	395	-4.1240331016638	4.6006076753952e-05	0.0439465448978264	0.000493516809523506
STAD	IWS1	cg21581038	-0.0891518430327286	395	-1.72172577256682	0.0859549988688876	0.00794805111613229	0.213758173454582
STAD	IWS1	cg21679674	-0.214360743211098	395	-4.22144046158831	3.05820644535736e-05	0.0459505282300142	0.000346757196050328
STAD	IWS1	cg22409775	-0.283502980334325	395	-5.68660229489466	2.63395781921265e-08	0.0803739398584444	6.58862104784015e-07
STAD	IWS1	cg23570261	-0.119940201576619	443	-2.45519669990823	0.0144920641382436	0.0143856519542401	0.0568329705888249
STAD	IWS1	cg23623107	-0.134624529423589	395	-2.61334463260482	0.00933189317744053	0.0181237639225228	0.0403919934260173
STAD	JADE1	cg09863040	-0.190396739559612	372	-3.7305973766444	0.00022099321641528	0.0362509184349306	0.00188735824764631
STAD	JADE1	cg12832492	-0.19073856752073	372	-3.73754772388276	0.000215191744705037	0.0363812011398601	0.00184449389462138
STAD	JADE1	cg14617908	-0.00959261185608075	372	-0.184526063279873	0.853701878410648	9.2018202221421e-05	0.921972173385294
STAD	JADE1	cg15389440	0.0526114019667696	372	1.01340402544543	0.311529446602552	0.00276795961690901	0.510395757829095
STAD	JADE1	cg15836763	-0.0902492999586926	372	-1.74309315096934	0.0821480464260861	0.00814493614303407	0.206903393779614
STAD	JADE1	cg20039387	-0.0440599934718576	372	-0.848334725101985	0.396800059288347	0.00194128302474013	0.59339991949784
STAD	JADE1	cg22922695	-0.113452274539083	372	-2.19647976106061	0.0286774282774529	0.0128714185980915	0.095440934991066
STAD	JADE1	cg26766900	-0.177225406452297	372	-3.4638301938152	0.000594925471553463	0.031408844692182	0.00434446936393787
STAD	JADE2	cg04590931	-0.0309332888323549	415	-0.628939691552348	0.529736242299235	0.000956868357985895	0.707849692255564
STAD	JADE2	cg04842522	0.103193575027085	372	1.99562209169792	0.0467078194757242	0.0106489139268706	0.137287494173669
STAD	JADE2	cg17378563	-0.15536510118727	372	-3.02524255486579	0.00265795121593698	0.0241383146669306	0.014948738239789
STAD	JADE2	cg18145011	-0.106070597561013	372	-2.05188417810699	0.0408842392816653	0.0112509716669504	0.124342175639308
STAD	JADE2	cg21194015	0.00096041610257877	372	0.0184739811123098	0.985270691939368	9.22399090092595e-07	0.992337496229041
STAD	JADE2	cg25669900	-0.0333415027189689	372	-0.641693380256765	0.521469613013146	0.00111165580355901	0.701469327629716
STAD	JADE2	cg26133206	-0.211770717952741	372	-4.16802448841447	3.82948738209698e-05	0.0448468369822195	0.00042131401697476
STAD	JADE3	cg10860619	-0.0894943366702985	372	-1.7283934076784	0.0847519815252595	0.00800923629605674	0.211615739369373
STAD	JADE3	cg17843048	-0.107629752317125	415	-2.20007516763816	0.0283547205880052	0.0115841635838457	0.0946692890264963
STAD	JADE3	cg19194595	-0.117846665962551	415	-2.41173267975918	0.0163122692942703	0.013887836678489	0.0622209697219153
STAD	JARID2	cg01769037	-0.00254670842134308	443	-0.0517553987069675	0.958748617237119	6.48572378333979e-06	0.97832928800116
STAD	JARID2	cg03223185	-0.0459301697095978	395	-0.884417822186519	0.377045048899931	0.00210958048955245	0.575564825194049
STAD	JARID2	cg05197191	-0.196698031582846	395	-3.85895018161668	0.000134334179509429	0.0386901156285664	0.00123952000483412
STAD	JARID2	cg06047828	-0.0600661983931657	395	-1.15748635744317	0.247820373785946	0.00360794818940714	0.441191208889714
STAD	JARID2	cg14862454	-0.0618911235213236	395	-1.19278621328975	0.233717452906905	0.00383051117073174	0.424617012799201
STAD	JARID2	cg15109221	-0.0217830317002983	395	-0.419104425204186	0.675383018337531	0.0004745004700562	0.812318282754328
STAD	JARID2	cg21397480	-0.0437222577796069	395	-0.84181943143194	0.400432799145124	0.0019116358253464	0.59694114519927

STAD	JARID2	cg21901688	-0.178342987756566	395	-3.48638830628849	0.000548409249644136	0.0318062212819386	0.00405464257430297
STAD	JARID2	cg25338254	-0.146113712779755	395	-2.84104403069091	0.00474542916520858	0.0213492170622847	0.0237895293516069
STAD	JMJD6	cg02318866	0.0306900917607369	395	0.590613911658426	0.55513971391638	0.000941881732282453	0.72665464571966
STAD	JMJD6	cg04510639	0.0331339887967667	395	0.637695146514108	0.524066572375808	0.00109786121358426	0.70324521641805
STAD	JMJD6	cg07312083	-0.0247891030013755	395	-0.476974489619614	0.633661876754824	0.000614499627612805	0.784237825903634
STAD	JMJD6	cg08857478	0.0970460227283883	395	1.87557040802231	0.0615015417283778	0.00941793052739886	0.167651935567223
STAD	JMJD6	cg10712116	0.107205414591312	395	2.07409052913545	0.0387620550567769	0.0114930009176951	0.119646681390584
STAD	JMJD6	cg12504415	0.0302058997639448	395	0.581287325629245	0.561400754589061	0.000912396380549483	0.731857734436555
STAD	JMJD6	cg15457598	0.190662753703328	395	3.73600608890042	0.00021646602204781	0.0363522856497359	0.00185337417116304
STAD	JMJD6	cg21102709	0.0494729506085779	395	0.95279794115733	0.341314474471791	0.00244757284191879	0.540508924468644
STAD	JMJD6	cg21807925	0.0523137685001495	395	1.00765521380079	0.314278526712505	0.00273673037468723	0.513332151404062
STAD	JMJD6	cg23630158	-0.124401735545668	395	-2.41164901308984	0.0163668237739197	0.0154757918067743	0.0623881147489524
STAD	JMJD6	cg25004679	-0.0392721412199465	395	-0.755997932461557	0.450131473193377	0.00154230107599942	0.64110456947043
STAD	JMJD6	cg25908504	-0.0297143131127528	395	-0.571818721526176	0.567792011149735	0.000882940403762715	0.736450227006278
STAD	JMJD6	cg26612088	0.0319661886286457	395	0.615196310838243	0.53880326643772	0.00102183721544216	0.714452350996731
STAD	JMJD8	cg00873473	-0.0505101200091053	395	-0.97282331845499	0.331276668698268	0.00255127222333422	0.530904176244701
STAD	JMJD8	cg02851105	-0.0502598921262076	395	-0.967991702001919	0.33368081736821	0.00252605675653803	0.533277841821447
STAD	JMJD8	cg03899598	-0.0578492105338588	395	-1.11461839786344	0.265737457443395	0.00334653115939072	0.461520705583776
STAD	JMJD8	cg05787952	0.00686229320603698	395	0.132001953454997	0.895054497678048	4.70910680456213e-05	0.94423625060842
STAD	JMJD8	cg06191810	-0.0585698104322382	395	-1.12855016305129	0.259818852895241	0.00343042269406832	0.454798083062184
STAD	JMJD8	cg06646636	-0.0986319019198231	395	-1.90651872576514	0.0573573624405105	0.00972825207632161	0.159304217588815
STAD	JMJD8	cg08398290	-0.0508188394948171	395	-0.978784594571801	0.328325954409402	0.00258255444759998	0.527941076835986
STAD	JMJD8	cg26750188	-0.098723917552124	395	-1.90831485203831	0.0571241862100617	0.00974641189683859	0.158847545825906
STAD	JMJD8	cg27579097	-0.0731846686514802	395	-1.411520332452	0.158931600295904	0.00535599572562695	0.328234175252724
STAD	KAT2B	cg00770008	-0.0358228154583909	395	-0.68950816952866	0.490935726271943	0.00128327410736593	0.67665663671733
STAD	KAT2B	cg04371528	-0.142825141140154	395	-2.77575364435958	0.00578718293995029	0.0203990209417048	0.0278766631350151
STAD	KAT2B	cg05072819	-0.112666273979368	395	-2.18106614917682	0.0298076342333661	0.0126936892923941	0.0982024773451271
STAD	KAT2B	cg12062464	-0.0312414183955856	443	-0.634441226495209	0.526145031318339	0.000976026223368031	0.704903498887108
STAD	KAT2B	cg14937543	0.0303966886174138	395	0.584962282699569	0.558929624516395	0.000923958678904011	0.729837835735621
STAD	KAT2B	cg18053505	-0.0976100392528156	443	-1.99318839727794	0.0468982894018469	0.00952771976293621	0.137710557667981
STAD	KAT5	cg00582417	-0.318761684162876	395	-6.46895725147313	3.12897847383079e-10	0.101609011290353	1.13457783495876e-08
STAD	KAT5	cg02561205	-0.240060204903733	395	-4.75674702734946	2.82445924255883e-06	0.0576289019784224	4.28649985009016e-05
STAD	KAT5	cg05785768	-0.130691428519082	395	-2.53564783529472	0.0116347837034609	0.0170802494883582	0.0479702892962029
STAD	KAT5	cg07564927	0.0177151723309314	395	0.340811625701917	0.733438831832112	0.000313827330714597	0.849577691419927
STAD	KAT5	cg14726348	-0.149635125187697	395	-2.9110639404015	0.00382009453018169	0.0223906706899377	0.0200121504296939
STAD	KAT5	cg18896539	0.25497283237693	443	5.35877740076193	1.39574023791456e-07	0.0650111452503141	2.93698177085003e-06
STAD	KAT5	cg20108992	0.0963706383543014	395	1.86239472386305	0.0633398956819391	0.00928729993681555	0.171253044336036
STAD	KAT5	cg20423942	-0.0106856321876392	395	-0.20555397476355	0.837252377248602	0.00011418273524951	0.912894705327098
STAD	KAT5	cg22048492	0.214555783280938	443	4.46425346952894	1.03800368981775e-05	0.0460341841392967	0.000135487347392084
STAD	KAT6A	cg10163397	-0.114760867821253	395	-2.22215079286725	0.0268772805270991	0.0131700567830872	0.0909540449442577
STAD	KAT6A	cg12468056	0.0246003553499433	443	0.500089641209852	0.617278307920588	0.000605177483343483	0.772641118068084
STAD	KAT6A	cg15251374	-0.360339821964993	395	-7.43044388248325	7.56356998931891e-13	0.129844787293763	4.35852121295611e-11
STAD	KAT6A	cg20966972	0.0229781884752663	443	0.467095299169037	0.640678023783023	0.000527997145604861	0.788909036234334
STAD	KAT6B	cg04396765	-0.187904351569248	395	-3.67996231720171	0.000267926746764535	0.0353080453386595	0.00222089433540759
STAD	KAT6B	cg06972998	-0.0335373171141687	395	-0.645466271839895	0.519025130971689	0.00112475163921631	0.699751153145672
STAD	KAT6B	cg09631472	-0.171526319190999	395	-3.34900847969205	0.000894395651838553	0.0294212781752126	0.00612056785178821
STAD	KAT6B	cg10359932	-0.0360484630262523	395	-0.693857008407895	0.488207265946521	0.00129949168655508	0.674305731962284
STAD	KAT6B	cg10739686	-0.237079070630487	395	-4.69413509092934	3.77674079833516e-06	0.0562064857310156	5.554021253596e-05
STAD	KAT6B	cg11128436	-0.0203384519792015	395	-0.391298874314878	0.695801570233656	0.000413652628910286	0.825643492293427
STAD	KAT6B	cg11348552	0.0187529736462159	395	0.360784095158477	0.718466745316051	0.000351674020575669	0.84014613593153
STAD	KAT6B	cg15874302	-0.134070994059134	395	-2.60240225390821	0.00962933696800553	0.0179750314480044	0.0413664277480271
STAD	KAT6B	cg15912797	0.132612798792515	395	2.57358825366345	0.0104535766054135	0.0175861544035842	0.0441257230150794
STAD	KAT6B	cg17147776	-0.214617221831929	395	-4.22673506269552	2.99040412388049e-05	0.0460605519068555	0.000340110377797016
STAD	KAT6B	cg18462764	-0.134559430275402	395	-2.61205761279776	0.00936644555651727	0.0181062402760409	0.0404901455394588
STAD	KAT6B	cg18491775	0.164040671223627	395	3.19871648149241	0.00149946622099172	0.0269093418154981	0.00939736366678722
STAD	KAT6B	cg24671245	-0.103354532131477	395	-1.99876836396979	0.0463645809309046	0.0106821593121165	0.136510275569014
STAD	KAT6B	cg26605858	0.152280217980887	395	2.96373343692708	0.00323602133890748	0.0231892647883065	0.0175142763091772

STAD	KDM1A	cg00062312	0.0860680766161331	395	1.6617187181153	0.097416163151091	0.00740771381240056	0.233649721517478
STAD	KDM1A	cg00541565	-0.0394658061963202	395	-0.759731830156692	0.447898681032168	0.0015575498587255	0.639406723533169
STAD	KDM1A	cg04886391	-0.169557335818291	395	-3.30941979995754	0.00102671919171103	0.0287496901297967	0.00686131713770017
STAD	KDM1A	cg06958034	-0.0696139027155487	443	-1.4181621240523	0.156897526800606	0.00484609545128988	0.325511006211867
STAD	KDM1A	cg07118078	0.0913860779303939	395	1.76523285754692	0.0783494743463141	0.00835141523950003	0.199892398245348
STAD	KDM1A	cg07785945	0.122699375981584	395	2.37813911586357	0.0179073755866128	0.0150551368662701	0.0668710261963988
STAD	KDM1A	cg10499166	-0.00464349146310656	395	-0.0893203046479213	0.928875685828731	2.15620129679435e-05	0.962375877039132
STAD	KDM1A	cg12578844	-0.0250552415232293	395	-0.482098539539067	0.630020999404989	0.000627765127787352	0.781723451228778
STAD	KDM1A	cg22683154	-0.297798483745774	395	-6.00051922567299	4.6894925025325e-09	0.0886839369212819	1.36583444306257e-07
STAD	KDM1A	cg26662347	0.0894702009827165	395	1.72792351608374	0.0848363120494247	0.00800491686388769	0.211802184196821
STAD	KDM1B	cg11007366	-0.105487326239923	395	-2.04047375639367	0.0420126189047057	0.0111275759972478	0.126900783345862
STAD	KDM1B	cg15124342	-0.250332291772303	395	-4.97359721834451	1.00803879205366e-06	0.0626662563039733	1.71972302168909e-05
STAD	KDM1B	cg20677365	-0.033949220795731	394	-0.652519374437836	0.514472463056753	0.0011525495926373	0.696001509304345
STAD	KDM1B	cg22406543	0.00379641362811203	395	0.0730260004485731	0.941824887637728	1.44127564357147e-05	0.968965487124108
STAD	KDM1B	cg23073439	-0.206789464475062	395	-4.06554973772533	5.8568315721991e-05	0.0427618826178828	0.000608881939499742
STAD	KDM1B	cg23860886	-0.103139363239961	395	-1.99456243484499	0.046823903664734	0.0106377282495446	0.137555936773321
STAD	KDM1B	cg24342628	-0.0880981937004492	443	-1.79735534381262	0.073009613127964	0.00776129173328186	0.190161378653687
STAD	KDM2A	cg05038268	-0.145927548915306	395	-2.83734543782639	0.00479955074263202	0.021294849532429	0.0239989876894405
STAD	KDM2A	cg05295919	-0.067780401186443	395	-1.30678731422509	0.192096577694627	0.00459418278499516	0.372620899268814
STAD	KDM2A	cg06320126	-0.0513628088480471	395	-0.989289157193965	0.323168186701665	0.00263813813276102	0.522596418738839
STAD	KDM2A	cg07283932	-0.123077405048066	395	-2.38557853260481	0.017554757866513	0.0151480476333658	0.0658623020722216
STAD	KDM2A	cg08836144	-0.129797499428484	394	-2.51460075036219	0.0123412482337064	0.0168473908578874	0.0502630786394929
STAD	KDM2A	cg09993857	-0.0428724112359109	395	-0.825426229389082	0.409661520538188	0.00183804364518106	0.605590657078343
STAD	KDM2A	cg11637544	0.240142642697263	395	4.75848046396684	2.80170633722028e-06	0.0576684888416254	4.25861552945905e-05
STAD	KDM2A	cg16004548	-0.130944975924886	395	-2.54065284492283	0.0114724394026114	0.0171465867199691	0.0474727101535505
STAD	KDM2A	cg18132081	0.237960352162033	395	4.71262967078924	3.46725987539113e-06	0.0566251292010787	5.14461214469154e-05
STAD	KDM2A	cg21293464	-0.140705034648807	395	-2.73371154371233	0.00656336604845658	0.019797906775522	0.0307732942607058
STAD	KDM2A	cg21711868	-0.153160398762957	395	-2.98127412719566	0.0030604325905386	0.023458107749228	0.0167228554434474
STAD	KDM2A	cg25597833	-0.0477543808759288	394	-0.918379472006379	0.359020131418328	0.00228048089284328	0.557978465758814
STAD	KDM2B	cg03486832	0.161921439403841	395	3.15627234319767	0.00172900747508025	0.0262185525386118	0.0105594604738886
STAD	KDM2B	cg05067991	0.081368338569189	395	1.57035839559293	0.117186498044623	0.00662080652151017	0.266382445398808
STAD	KDM2B	cg07020001	0.211544492326741	395	4.16336325906946	3.90495094573742e-05	0.0447510722337784	0.000428646470823617
STAD	KDM2B	cg07529210	0.122170689068046	395	2.36773659242919	0.0184108819934781	0.0149256772673613	0.0683001607188312
STAD	KDM2B	cg07793808	0.223323997407051	395	4.40702550595103	1.37475518785003e-05	0.0498736078178644	0.000172858744276071
STAD	KDM2B	cg09151742	0.213544334439468	395	4.20459306281264	3.28384844153827e-05	0.0456011827711954	0.000368847394832556
STAD	KDM2B	cg12251659	0.0600277771663887	395	1.15674329519135	0.248123532880303	0.00360333403153762	0.441468430426709
STAD	KDM2B	cg12888660	0.048815365424702	395	0.940103074700812	0.347778019768063	0.00238293990154719	0.547085986084499
STAD	KDM2B	cg15234492	0.124888063076839	395	2.42122602891381	0.0159485834053186	0.0155970282990845	0.0611395110350049
STAD	KDM2B	cg15316703	-0.0120042531264453	395	-0.230923058108152	0.817502213761146	0.000144102093123772	0.901906214650616
STAD	KDM2B	cg16837338	0.139920925824061	382	2.67373049661733	0.00784495378399351	0.0195778654834625	0.0353921431705683
STAD	KDM2B	cg17452615	0.138562292763611	395	2.69125956063223	0.00744131639924356	0.0191995089759087	0.0339663571551763
STAD	KDM2B	cg20055546	0.0883942134852262	395	1.70697849281646	0.0886650218988027	0.00781353697767174	0.218589976662826
STAD	KDM2B	cg21249371	0.133920013134426	395	2.59941806903126	0.00971191464579205	0.0179345699179247	0.0416406904736963
STAD	KDM2B	cg21781916	0.0560200883427633	395	1.0792627434993	0.2811736612639	0.00313825029793101	0.478394326801913
STAD	KDM2B	cg26218726	0.0560819997541323	395	1.08045926755875	0.280641470171975	0.0031451906964225	0.477844175415496
STAD	KDM2B	cg26509318	0.0465803856217394	395	0.896965222802027	0.370320712801065	0.00216973232466995	0.568982649937708
STAD	KDM3A	cg01744130	-0.254717564542535	395	-5.06671322262549	6.40333634878893e-07	0.0648810376864807	1.15230429775084e-05
STAD	KDM3A	cg02152982	-0.12690263979751	393	-2.4542569523456	0.0145800889624503	0.0161042799875766	0.0570947065712703
STAD	KDM3A	cg02972551	-0.221516012523165	443	-4.61642438858409	5.22032514594272e-06	0.0490693438041629	7.39053638586838e-05
STAD	KDM3A	cg03037033	-0.153254949423135	395	-2.9831588121874	0.00304209471633977	0.0234870795226876	0.0166436962066908
STAD	KDM3A	cg04793821	-0.141021044321688	395	-2.73997562484586	0.00644205501630141	0.0198869349415794	0.0303288082751242
STAD	KDM3A	cg07052513	-0.235439528498646	395	-4.65976027481754	4.42399437628449e-06	0.0554317715796648	6.38753189511276e-05
STAD	KDM3A	cg07211384	0.0434545282598302	395	0.836654839557064	0.403326635622161	0.00188829602628438	0.599793630438851
STAD	KDM3A	cg12888358	-0.0375987798473716	394	-0.722760027744594	0.470285163826046	0.00141366824601112	0.658875214484547
STAD	KDM3A	cg18611949	-0.0949325430938626	395	-1.83434837985678	0.0674051403435658	0.00901218773826808	0.179327502065161
STAD	KDM3A	cg19139691	-0.148999671096606	395	-2.89842025243145	0.00397392334876825	0.0222009019868967	0.0206511482858475
STAD	KDM3A	cg20191795	-0.16848653883235	395	-3.28790735630147	0.00110603866232153	0.0283877137677049	0.00729797893949457

STAD	KDM3A	cg20918903	-0.135848524097096	443	-2.78660109384852	0.00557201047125264	0.0184548214993593	0.0270444835662982
STAD	KDM3A	cg22404242	-0.261405664917044	395	-5.20937332975542	3.15350081175337e-07	0.0683329216507221	6.09045288355367e-06
STAD	KDM3A	cg24749656	-0.137574593001495	395	-2.67170427667395	0.00788023786136964	0.018926768639527	0.0355053413753846
STAD	KDM3B	cg00435490	-0.00912990840628585	395	-0.175624614410173	0.860684937994362	8.3355227507169e-05	0.925972203547738
STAD	KDM3B	cg03315484	-0.180990424681916	395	-3.53988198339604	0.000451346849917776	0.0327575338265401	0.00343999969065381
STAD	KDM3B	cg05191700	-0.247193249649241	395	-4.90714443184231	1.38775408019501e-06	0.0611045026721518	2.28387858926783e-05
STAD	KDM3B	cg05708550	-0.00490857838325618	395	-0.0944195278843462	0.924827014667433	2.40941417445698e-05	0.960355501882619
STAD	KDM3B	cg05722427	-0.00897723153859953	395	-0.172687455095957	0.862991527413998	8.05906860976261e-05	0.927145915449926
STAD	KDM3B	cg15001364	-0.336424226462082	395	-6.87180288794856	2.70020069479454e-11	0.11318126015061	1.18410041065866e-09
STAD	KDM3B	cg18682923	-0.0416373187037182	395	-0.801604975758182	0.423295995274258	0.001733666308835	0.618378439426981
STAD	KDM3B	cg19076659	-0.0591109437895033	395	-1.13901336271374	0.255434474407292	0.00349410367568582	0.449688146417453
STAD	KDM3B	cg24137987	-0.290547160426549	395	-5.84075234402362	1.13892739672934e-08	0.0844176524319309	3.07965651376999e-07
STAD	KDM4A	cg00154982	-0.144414490137839	395	-2.80729627183791	0.00526047998278598	0.0208555449617719	0.0258159083889006
STAD	KDM4A	cg00979347	0.0795348257684821	395	1.53474485671925	0.125701138096311	0.0063257885100228	0.279496632352138
STAD	KDM4A	cg03587511	0.0896618759613456	395	1.73165527239749	0.0841684561265145	0.00803925200090772	0.210540221090227
STAD	KDM4A	cg08552254	-0.0255918032056797	443	-0.520257294800245	0.603163022175501	0.000654940391318236	0.762272794644242
STAD	KDM4A	cg10958452	-0.0917074050508467	395	-1.77149223099478	0.0773019540922981	0.00841024814116006	0.198116499198005
STAD	KDM4A	cg10968649	-0.0133473932609339	443	-0.271275249244939	0.786314878719249	0.000178152906862024	0.882220078725993
STAD	KDM4A	cg12293275	0.0913571098462914	395	1.76466859373138	0.0784444724890152	0.00834612151946735	0.200095392904795
STAD	KDM4A	cg17737314	-0.0881191031061463	395	-1.70162420217895	0.0896658953193885	0.00776497633223164	0.220282595227579
STAD	KDM4A	cg19743044	0.139891538957126	395	2.71758999486294	0.00688511997795472	0.019569642671793	0.0319983884082089
STAD	KDM4A	cg20873046	0.0331691911871572	395	0.638373395828394	0.52362556301076	0.00110019524401019	0.702944434741912
STAD	KDM4A	cg21451504	-0.20286070403223	395	-3.98496042205917	8.13067868388098e-05	0.041152465240452	0.000805140042685637
STAD	KDM4A	cg22094309	-0.15311050158009	395	-2.98027955692533	0.00307015045016369	0.0234428256941068	0.0167688888661121
STAD	KDM4A	cg24324755	0.10918299940838	395	2.11280799834441	0.035286495127858	0.0119209273598103	0.11149787172935
STAD	KDM4A	cg24505556	-0.0168768240014742	395	-0.324678433325207	0.745607946512352	0.000284827188376735	0.857099323463317
STAD	KDM4A	cg25841161	0.0988613574180029	395	1.91099774210833	0.0567773636398696	0.00977356799053011	0.158165803444819
STAD	KDM4B	cg01098771	0.0294923028395582	395	0.567542648818926	0.570689754174899	0.000869795926780213	0.738678806487007
STAD	KDM4B	cg12072803	0.13371430342023	443	2.74201929963878	0.00637173092395042	0.0178795149391573	0.0300686949043251
STAD	KDM4B	cg18115693	0.0380439233371214	395	0.732319626280114	0.464437129026054	0.00144734010288077	0.653660346916323
STAD	KDM4C	cg00121158	0.150331630084237	443	3.0902181291964	0.00213543654740644	0.0225995990037839	0.0125205859590382
STAD	KDM4C	cg00667760	0.101377420831848	395	1.96013215140578	0.05073048092533	0.0102773814545176	0.145859741771265
STAD	KDM4C	cg05545111	0.0974482527766996	395	1.88341852353177	0.0604277561823522	0.00949616196923154	0.165484453284398
STAD	KDM4C	cg14196303	-0.13172500344671	395	-2.55605372373109	0.010985480244944	0.0173514765330357	0.0458724879321081
STAD	KDM4C	cg14473811	0.163666564587523	395	3.19122055586314	0.00153783658995966	0.0267867443638819	0.00959224339956077
STAD	KDM4C	cg14497348	0.135824620668486	395	2.63707680701375	0.00871489867821275	0.0184483275797382	0.038344371233125
STAD	KDM4E	cg15555590	-0.0587235671499749	395	-1.13152305699142	0.258567839198739	0.00344845733881761	0.45322487681102
STAD	KDM4E	cg19409026	0.0472729232359656	395	0.910330574263544	0.363240845698001	0.00223472927127349	0.562213169993838
STAD	KDM5B	cg00528052	-0.273267917539471	443	-5.7732000719682	1.5301337115235e-08	0.074675354756359	4.02554014048899e-07
STAD	KDM5B	cg00571448	-0.302409857865049	395	-6.10271096260538	2.63279892413368e-09	0.091451722133959	8.04777836951102e-08
STAD	KDM5B	cg02624558	-0.21659375164554	395	-4.26756829035002	2.51362762621606e-05	0.0469128532518897	0.000292207333463616
STAD	KDM5B	cg04504182	-0.235753680690733	395	-4.66634354976128	4.2922974730087e-06	0.0555797979592281	6.22047298090981e-05
STAD	KDM5B	cg08915090	-0.224236543118818	395	-4.42598485245743	1.26492447038628e-05	0.0502820272698777	0.000160947880682418
STAD	KDM5B	cg09889216	-0.194832001542635	395	-3.82088950342296	0.000155926213672251	0.0379595088251093	0.00140753351896253
STAD	KDM5B	cg11171004	-0.148008604657068	395	-2.87870823686267	0.00422504160000494	0.0219065470525323	0.0216909447786434
STAD	KDM5B	cg11221497	-0.293174036342051	395	-5.89850067044327	8.28200431186749e-09	0.08595101558509	2.30268135610228e-07
STAD	KDM5B	cg13134514	-0.173377319933495	395	-3.38626267923714	0.000784535488007341	0.0300596950673214	0.00547864934955503
STAD	KDM5B	cg13253785	-0.37732859167117	395	-7.83740578268928	4.9420443022766e-14	0.142376866092548	3.39330445235045e-12
STAD	KDM5B	cg13993945	-0.199053719941732	395	-3.90706058297882	0.000111073345358845	0.0396223834226416	0.00105517643532129
STAD	KDM5B	cg14560895	-0.306668966198118	443	-6.54774483671613	1.73743964799418e-10	0.0940458548290223	6.62560686157153e-09
STAD	KDM5B	cg21105875	-0.204440410171358	393	-4.01190748933762	7.29405844016474e-05	0.0417958813110331	0.000734352248342404
STAD	KDM5B	cg24354901	-0.204835694424187	395	-4.02544733876914	6.89996963046857e-05	0.0419576617102391	0.000701118387451244
STAD	KDM5B	cg27531483	-0.225027615623582	395	-4.44243034959554	1.17651037980779e-05	0.0506374277932344	0.000151057020113496
STAD	KDM5C	cg01859586	0.178395891384716	395	3.48745649808065	0.000546293251396305	0.0318250940629476	0.00404168684727762
STAD	KDM5C	cg04927657	0.156401607386912	395	3.04592958381649	0.00248591886863047	0.0244614627932099	0.0141708487188568
STAD	KDM5C	cg04927982	-0.448949706510202	443	-10.2105807242381	5.63575828981298e-22	0.201555838975596	8.85713495752951e-20
STAD	KDM5C	cg09554224	0.345817289608317	395	7.08932656138774	6.87458421096606e-12	0.119589597792042	3.36776702838724e-10

STAD	KDM5C	cg12234996	-0.217874762750551	395	-4.29406213024448	2.2441041558419e-05	0.0474694122436091	0.000264953465927401
STAD	KDM5C	cg16417926	0.0172898114088967	395	0.332625883708254	0.739605076971086	0.000298937578555214	0.853309680327194
STAD	KDM5C	cg16824069	-0.387609683240799	395	-8.08812140805541	8.75938223509805e-15	0.150241266542033	6.57748437835152e-13
STAD	KDM5C	cg19903753	-0.308764231141566	395	-6.24430396087838	1.16863167202545e-09	0.0953353504324423	3.81985429804824e-08
STAD	KDM5C	cg24985300	-0.0907594877545349	395	-1.75302863214728	0.0804252351959144	0.00823728461746557	0.20377815675442
STAD	KDM5C	cg27526317	0.0362160030496053	395	0.697086026459808	0.486186704826831	0.00131159887688902	0.672685386036682
STAD	KDM6A	cg00751785	-0.227766724380378	395	-4.49944505693361	9.13607329189537e-06	0.0518776807349672	0.000120934436901431
STAD	KDM6A	cg03267667	-0.110177213251598	395	-2.13228243523246	0.0336416544243548	0.0121390183198882	0.107492457563078
STAD	KDM6A	cg03478540	-0.131947238951303	395	-2.56044242899117	0.0108501325042491	0.0174100738668722	0.0454414647663824
STAD	KDM6A	cg06877198	-0.0153583491839878	395	-0.295458593384849	0.767809311939516	0.000235878889657298	0.871313506987396
STAD	KDM6A	cg07167981	-0.315261342723409	395	-6.39003345050946	4.99112024674404e-10	0.0993897142157664	1.73720936540046e-08
STAD	KDM6A	cg11895950	-0.255735312171179	395	-5.0883713821417	5.75635319061151e-07	0.0654005498912905	1.04775325248112e-05
STAD	KDM6A	cg14384228	-0.124878143738472	395	-2.42103067443468	0.0159570196138694	0.0155945507835664	0.061159796218227
STAD	KDM6A	cg15923127	-0.0789137135825512	395	-1.52268415481699	0.1286919233871	0.00622737419138892	0.284077506610751
STAD	KDM6A	cg17824914	-0.189002908581403	395	-3.70227132069723	0.000246196685990405	0.0357220994522302	0.0020649730447372
STAD	KDM6A	cg20211377	0.0275508954665438	395	0.53015330065749	0.596323649177935	0.000759051841008426	0.757507959399127
STAD	KDM6A	cg22133177	-0.0533637565977082	395	-1.02793701985564	0.304650972229798	0.00284769051821944	0.50317440677788
STAD	KDM6A	cg27306636	-0.20626302707208	395	-4.0547392917792	6.12222016087478e-05	0.0425444363369375	0.00063376180332015
STAD	KDM6B	cg01046511	-0.0216422852313079	395	-0.41639519718112	0.677362279838203	0.000468388510033289	0.813564059760622
STAD	KDM6B	cg02308232	0.00759381620978011	395	0.146074183109768	0.883942376337009	5.76660446279191e-05	0.938495103515139
STAD	KDM6B	cg24893073	-0.042302578048834	395	-0.814435381232199	0.41591944368932	0.00178950810957769	0.611495042850848
STAD	KDM8	cg00636124	0.151733016409079	395	2.95283216780482	0.00334974186453152	0.0230229082685979	0.0179915643889371
STAD	KDM8	cg01755539	-0.069838449575185	395	-1.3466575138858	0.178914865816853	0.00487740903906565	0.355635410771297
STAD	KDM8	cg06329197	0.18555224496878	395	3.63224439023848	0.000320610359540696	0.0344296280157397	0.00258354695567732
STAD	KDM8	cg08572679	-0.121981463999143	395	-2.36401386914088	0.0185940702417519	0.0148794775593743	0.0688288494664467
STAD	KDM8	cg09140090	0.0218227243294408	395	0.419868472908427	0.674825239845579	0.000476231297158767	0.812024048082707
STAD	KDM8	cg10214171	0.141026293867196	395	2.74007969082898	0.00644005687745193	0.0198884155619168	0.0303212361389878
STAD	KDM8	cg10221365	-0.175638867865291	395	-3.43183002581921	0.000667265406879693	0.030849011905001	0.004787391955407
STAD	KDM8	cg16752029	0.203334374879036	395	3.9946659356885	7.81796111057555e-05	0.0413448680074485	0.000779316369891556
STAD	KDM8	cg24206694	0.136894726102606	442	2.80506748512738	0.00526884179733013	0.0187401660347074	0.0258471609775193
STAD	KDM8	cg24705286	0.26111472889049	442	5.4971880306148	6.76958369916413e-08	0.0681809016435541	1.53002032043223e-06
STAD	KIAA202	cg03495688	-0.00290060901601689	395	-0.055794563151015	0.955535582125907	8.41353266379847e-06	0.976331285392159
STAD	KIAA202	cg25608569	-0.260127973483672	395	-5.18205823944606	3.6159438029403e-07	0.0676665625887222	6.88276809899529e-06
STAD	KMT2B	cg09284703	0.0321259278978965	395	0.618273696305424	0.536775335549428	0.00103207524330085	0.712811110131648
STAD	KMT2B	cg13830730	0.307555416834506	395	6.21729793316385	1.36594701142083e-09	0.0945903344242468	4.41106192637909e-08
STAD	KMT2B	cg15496871	0.167475449072874	395	3.2676054366369	0.00118607824978489	0.0280480260421608	0.00774140207767142
STAD	KMT2B	cg24471867	0.126657574442838	442	2.59488397043487	0.0097991325122399	0.01604214111637431	0.0419291411174958
STAD	L3MBTL	cg01071811	-0.483231350562263	442	-11.2170227450333	1.13886158481527e-25	0.233512538166229	2.45419939415842e-23
STAD	L3MBTL	cg01877937	-0.383199482520321	395	-7.98014903825843	1.85374132774427e-14	0.146841843403842	1.34649815920203e-12
STAD	L3MBTL	cg02177317	-0.321245196153638	395	-6.52513250499294	2.23829373421472e-10	0.103198476051789	8.3433551873263e-09
STAD	L3MBTL	cg02472486	-0.307116308604438	395	-6.20749609245523	1.44534129343929e-09	0.0943204270108165	4.63856768076798e-08
STAD	L3MBTL	cg02611863	-0.510805894192291	442	-12.0749678385101	5.8477956003576e-29	0.260922661541586	1.53172865634417e-26
STAD	L3MBTL	cg03486259	-0.218691150251337	395	-4.31095878118532	2.08688321492092e-05	0.0478258191982527	0.000248579073375529
STAD	L3MBTL	cg04984575	-0.281260752196659	395	-5.63774663020643	3.42304706013063e-08	0.0791076107262302	8.30347748661684e-07
STAD	L3MBTL	cg06362543	-0.250595395211343	395	-4.97917461847891	9.8119701935861e-07	0.0627980521011293	1.68352979541208e-05
STAD	L3MBTL	cg06446163	-0.341217792570076	395	-6.9825161278617	1.35107687441579e-11	0.116429581966395	6.26374698261631e-10
STAD	L3MBTL	cg06908806	-0.265478304753487	395	-5.29663726594752	2.02890757462337e-07	0.0704787302947853	4.10605712435616e-06
STAD	L3MBTL	cg07678583	-0.449316870104387	395	-9.67433289014604	6.95890315564472e-20	0.201885649760403	9.20681823282697e-18
STAD	L3MBTL	cg08369943	-0.12921171940962	395	-2.50644853429218	0.0126233403167744	0.0166956684327905	0.0511735349975584
STAD	L3MBTL	cg08633313	-0.391434082966443	395	-8.18228058986934	4.53060518507912e-15	0.153220641307781	3.53514443097337e-13
STAD	L3MBTL	cg09541000	-0.281629352754443	395	-5.64577111027289	3.27924391148566e-08	0.0793150923328864	7.99202696898857e-07
STAD	L3MBTL	cg10360552	-0.360536415245795	395	-7.435103255619	7.33520848055206e-13	0.129986506718289	4.23006084904423e-11
STAD	L3MBTL	cg12699433	-0.110142794576796	395	-2.13160814206597	0.033697486206658	0.0121314351971862	0.107626647040307
STAD	L3MBTL	cg14306330	-0.127077986701782	392	-2.45436218603576	0.0145771602069354	0.0161488147041783	0.0570889851559774
STAD	L3MBTL	cg15123011	-0.203561374622204	395	-3.99931819596533	7.67214302721842e-05	0.0414372332380814	0.000766756552998516
STAD	L3MBTL	cg15302378	-0.508813409431915	395	-11.3688985678454	6.85304675568813e-26	0.25889108561773	1.50600542178532e-23
STAD	L3MBTL	cg15330298	-0.495718456078813	395	-10.9792958359064	1.82196196561206e-24	0.245736787697162	3.5346062132874e-22

STAD	L3MBTL1	cg15388309	-0.465518754595127	395	-10.1175676912787	2.09603532308929e-21	0.216707710879798	3.13574946008477e-19
STAD	L3MBTL1	cg16862791	-0.408190802743501	395	-8.60087171872388	2.27520812693796e-16	0.166619731444384	2.09961495880203e-14
STAD	L3MBTL1	cg17091610	-0.45326719080589	395	-9.78126090971048	3.01369713368332e-20	0.205451146261063	4.13487751001341e-18
STAD	L3MBTL1	cg17774347	-0.267311253157241	395	-5.3360107717587	1.6596348341172e-07	0.0714553060644944	3.42829613078368e-06
STAD	L3MBTL1	cg18911945	-0.345888171550698	395	-7.09097710446465	6.80278323476229e-12	0.119638627218685	3.33469262107812e-10
STAD	L3MBTL1	cg20091959	-0.347357717402511	443	-7.52788398637531	3.26781815451646e-13	0.120657383839083	1.98762037148127e-11
STAD	L3MBTL1	cg20252111	-0.435242275396958	395	-9.29904255449787	1.25783377199955e-18	0.189435838292722	1.45180890888624e-16
STAD	L3MBTL1	cg20529070	-0.369009981261419	395	-7.63702871412336	1.91767965755439e-13	0.136168366270553	1.21287781528281e-11
STAD	L3MBTL1	cg22330467	-0.202927273446433	394	-3.98093368328028	8.26792023745233e-05	0.0411794783084033	0.000816236785472546
STAD	L3MBTL1	cg22457903	-0.392279896562566	395	-8.20317235381459	3.91137569072502e-15	0.153883517247137	3.07355111600265e-13
STAD	L3MBTL1	cg22601123	-0.167925496505825	395	-3.27664073519726	0.00114981537643139	0.0281989723767278	0.00754205205683841
STAD	L3MBTL1	cg23626798	-0.375696005505121	443	-8.23857895997001	2.32757499524011e-15	0.141147488552504	1.89009779937065e-13
STAD	L3MBTL1	cg24343973	-0.42475942589978	395	-9.0250239322495	9.96771675384255e-18	0.180420569890711	1.06808341205018e-15
STAD	L3MBTL2	cg02358112	-0.026470990301587	395	-0.509358153239799	0.610804843196327	0.000700713327546712	0.767925917087369
STAD	L3MBTL2	cg06235991	0.0964993160328682	443	1.9702930962191	0.0494723781097313	0.00931211799481138	0.143196115669293
STAD	L3MBTL2	cg08053598	0.0125854842080135	395	0.242105797205352	0.808832320582757	0.000158394412750157	0.896660714384775
STAD	L3MBTL2	cg09993119	0.109952555107555	395	2.1278813176724	0.034007506189648	0.0120895643746799	0.108398751803552
STAD	L3MBTL2	cg12821546	0.176613592157668	395	3.45148673424152	0.000621914304319027	0.0311923609348351	0.00450980624442528
STAD	L3MBTL2	cg13843727	-0.0236454881980205	395	-0.45495724996928	0.649406821518128	0.000559109112122726	0.794962468294469
STAD	L3MBTL2	cg14679202	0.0904387179822544	443	1.84549472790399	0.0656812056721815	0.00817916171027374	0.175896027886044
STAD	L3MBTL2	cg15283028	-0.0774397676434472	395	-1.49407031719309	0.136009536332026	0.00599691761267109	0.295229383336968
STAD	L3MBTL2	cg19467356	0.111784009466809	395	2.16376972235004	0.0311214869843995	0.0124956647724756	0.101422854445326
STAD	L3MBTL2	cg24240981	0.0922304197038899	395	1.78168162242711	0.0756212636004591	0.00850645031875568	0.195042788294348
STAD	L3MBTL2	cg26947834	0.0120820857736056	395	0.232420524742329	0.816339913336345	0.000145976796640762	0.901157157709269
STAD	L3MBTL2	cg27177954	-0.0573325352924059	395	-1.10463030063383	0.27003763332293	0.00328701960305497	0.466112930011211
STAD	L3MBTL2	cg03454037	0.366848208154213	395	7.58530765434837	2.71052608508116e-13	0.134577607825957	1.670910201828e-11
STAD	L3MBTL2	cg07826275	-0.440820736463947	395	-9.44674894542064	4.05842106683339e-19	0.194322921696616	4.95637061967404e-17
STAD	L3MBTL2	cg08106148	-0.454261963916373	395	-9.80830137378311	2.43685643423037e-20	0.206353931861161	3.36173714947019e-18
STAD	L3MBTL2	cg08358392	-0.393180061861488	395	-8.22543363112397	3.34348856106389e-15	0.154590561045403	2.66772665763491e-13
STAD	L3MBTL2	cg09710740	-0.459461160700612	395	-9.95038635762758	7.93662203766398e-21	0.211104558192353	1.12574040320679e-18
STAD	L3MBTL2	cg10237990	-0.43980046115647	395	-9.41963370037936	4.99902962533951e-19	0.193424445633444	6.02937225850639e-17
STAD	L3MBTL2	cg16487825	-0.442465202151612	395	-9.49054868421666	2.89601413316154e-19	0.195775455115067	3.60468037560271e-17
STAD	L3MBTL2	cg16800851	-0.492419587987727	395	-10.8827407941408	4.07247372484251e-24	0.242477050634003	7.56119381743193e-22
STAD	L3MBTL2	cg18411550	-0.472245058234806	395	-10.3053341206986	4.63124807936198e-22	0.223015395027196	7.35272067522215e-20
STAD	L3MBTL2	cg18798995	-0.450839436000465	395	-9.71546099932794	5.04684560333555e-20	0.203256197053217	6.79263506688383e-18
STAD	L3MBTL2	cg22934935	0.344582655912529	395	7.06059919342858	8.25060065927745e-12	0.118737206755732	3.98594257365169e-10
STAD	L3MBTL2	cg24516147	-0.437159687079982	395	-9.34966084397854	8.54649119966999e-19	0.191108592007868	1.01043424982846e-16
STAD	LBR	cg01017344	-0.240042192594799	395	-4.75636829332483	2.82945410880476e-06	0.0576202542257187	4.29240547855611e-05
STAD	LBR	cg05530459	-0.0611720028924552	395	-1.17887471956755	0.239205600385616	0.00374201393787455	0.431055661802899
STAD	LBR	cg12994003	0.0210663181312322	443	0.428213202637621	0.668719127670876	0.000443789759606281	0.807875513526542
STAD	LBR	cg14607642	-0.189468126562703	443	-3.92147755237948	0.000103028065861036	0.0358981709831805	0.000988647509016086
STAD	LBR	cg18107727	-0.0907253784396355	395	-1.75236433840793	0.0805394969597169	0.00823109429301509	0.203987941607821
STAD	LBR	cg18289048	-0.104259674612724	395	-2.01646439352006	0.0444735337373918	0.0108700797503511	0.132424837429586
STAD	LBR	cg18764107	-0.127372522526086	395	-2.47017912382701	0.0139547692701342	0.0162237594946583	0.055224199847432
STAD	LBR	cg19322477	-0.280567498934172	395	-5.62266175694731	3.71018265532364e-08	0.0787181214581764	8.95809899094497e-07
STAD	LBR	cg20483690	-0.300740764282875	395	-6.06566861770198	3.24841450425613e-09	0.0904450073014475	9.73073384459381e-08
STAD	LBR	cg26930584	-0.211956481123041	395	-4.17185254005974	3.768554131021e-05	0.0449255498900619	0.000415609441548977
STAD	MBD1	cg01719254	-0.212963764967586	395	-4.19261805838225	3.45379533129164e-05	0.0453535651891692	0.000385542479555893
STAD	MBD1	cg03841029	-0.290779776546918	443	-6.17621765615283	1.57301094053943e-09	0.0845528784486753	5.0151972585379e-08
STAD	MBD1	cg05549078	-0.169948983713009	395	-3.31729106399106	0.000999042001566606	0.0288826570650847	0.00670805053252827
STAD	MBD1	cg12090413	-0.352506170203124	395	-7.24569652972934	2.52267488514285e-12	0.124260600031274	1.34509232361071e-10
STAD	MBD1	cg13478031	-0.0139388210638174	395	-0.268144626802833	0.788737424557364	0.000194290732649118	0.883804515337629
STAD	MBD1	cg14389183	-0.342193690952638	395	-7.00513076060651	1.17171760657791e-11	0.117096522127789	5.50106212951852e-10
STAD	MBD1	cg19328682	-0.322248592811489	395	-6.54787109200508	1.95325415322154e-10	0.103844155568985	7.3619890308002e-09
STAD	MBD1	cg21282183	-0.012359758197994	395	-0.237762857299148	0.812196634168955	0.00015276362271288	0.898789811498595
STAD	MBD2	cg15090185	-0.0167682246245413	395	-0.322588595532973	0.747189038638447	0.000281173357059075	0.858061823858748
STAD	MBD2	cg16852837	-0.189124407130071	395	-3.70473954229963	0.000243897236713104	0.035768041372301	0.00205066377221597

STAD	MBD2	cg17987217	-0.0309388087989613	395	-0.595404901613979	0.551936842097816	0.000957209889898686	0.724229168184552
STAD	MBD2	cg22224310	0.034451628985985	395	0.663083943984707	0.507689672653992	0.00118691473978796	0.690367082005361
STAD	MBD2	cg22836370	-0.131420341011375	443	-2.6941439530511	0.00734470242316913	0.0172713060315461	0.0336359439752764
STAD	MBD2	cg23388714	-0.214775368188374	395	-4.2300002043284	2.94930859408645e-05	0.0461284587804515	0.000335878367396225
STAD	MBD2	cg24881765	-0.173041439818192	395	-3.37949984781726	0.000803494521070492	0.0299433398943531	0.00558847141458721
STAD	MBD2	cg25192916	0.0269586336110437	394	0.518046724936736	0.604736130668554	0.000726767926174496	0.763546548998724
STAD	MBD3	cg08660999	0.321426568785499	395	6.52924088346861	2.1839358245629e-10	0.103315039121219	8.1642048791949e-09
STAD	MBD3	cg09174855	-0.154220212378659	395	-3.00240427759382	0.00286051454451814	0.0237838739061188	0.0158520350816529
STAD	MBD3	cg12286540	0.102666258750429	395	1.98531560565943	0.0478472650059703	0.01054036068581	0.139718108699916
STAD	MBD5	cg03890220	0.10214574681913	395	1.97514377074018	0.0489947342558314	0.0104337535932378	0.142140457083653
STAD	MBD5	cg04152151	0.099018579729307	395	1.91406693015019	0.0563827628279253	0.00980467913160913	0.157421693695425
STAD	MBD5	cg05218490	0.0200849373671379	443	0.408256514536288	0.683296938210576	0.000403404709041851	0.817581205813108
STAD	MBD5	cg06394585	-0.061109254207853	395	-1.17766092481534	0.239688741526041	0.00373434094984	0.431598406552249
STAD	MBD5	cg06758980	0.219444903397822	395	4.32656753830941	1.9510466552972e-05	0.0481560656272796	0.000234264120237985
STAD	MBD5	cg20595490	0.0570313160794728	395	1.09880769880035	0.272566430677643	0.00325257101375673	0.468960173823245
STAD	MBD5	cg21412502	-0.151424899738932	395	-2.94669513653694	0.00341535873714975	0.0229295002609455	0.018279629693693
STAD	MBD5	cg23120335	-0.0598262228109806	395	-1.15284534083343	0.249718112241523	0.0035791769358291	0.443356935064405
STAD	MBD5	cg25686162	0.12243009889209	395	2.37284052298764	0.0181623058585788	0.0149891291147268	0.0675875829687767
STAD	MBD5	cg26664634	-0.127821437423843	395	-2.47902943001082	0.0136188814615455	0.0163383198650973	0.0542176584831622
STAD	MBTD1	cg01388767	0.262615159197153	395	5.23525754715324	2.7685132264085e-07	0.068966721840146	5.41910496860982e-06
STAD	MBTD1	cg14577476	-0.0188488094329832	395	-0.362628511167833	0.717089459695877	0.000355277617040918	0.839242036791699
STAD	MBTD1	cg17045523	0.161431465471157	395	3.14646551480446	0.00178646614736003	0.0260601180441653	0.0108414343917409
STAD	MBTD1	cg18711617	-0.103520103077127	395	-2.00200498986354	0.0460137126639125	0.0107164117410991	0.135780381069197
STAD	MBTD1	cg22141797	-0.162843003994484	395	-3.17472396001006	0.00162549883476601	0.0265178439499474	0.0100448054930326
STAD	MBTD1	cg25259117	-0.0547269988412102	395	-1.05427482512759	0.292445067460782	0.00299504440216582	0.490163993149569
STAD	MBTD1	cg25716740	0.182015064438834	443	3.76182164552136	0.000193058252651422	0.0331294836826729	0.0016852304428596
STAD	MBTD1	cg25855326	-0.171287281535735	395	-3.34420015786904	0.000909575001984303	0.029339332815902	0.00620370661970602
STAD	MBTD1	cg27207041	0.134065044116124	443	2.74934324621005	0.00623361624967698	0.0179734360538583	0.0295621764525342
STAD	MBTD1	cg27214721	0.0962074725777727	395	1.85921200699987	0.0637907405540075	0.00925587777980289	0.172148918397976
STAD	MBTD1	cg27353579	0.0102371708891872	395	0.196926232930744	0.843993391464788	0.000104799667814423	0.916671726222975
STAD	MLLT10	cg00879184	-0.109563923679625	395	-2.12026869546307	0.0346483846397079	0.0120042533720748	0.110004343740009
STAD	MLLT10	cg03524461	0.030971166960711	395	0.596028218972776	0.551520812939818	0.000959213182908234	0.723931608100723
STAD	MLLT10	cg04188362	-0.13504984784235	395	-2.62175408971532	0.00910892298728942	0.018238461402242	0.0396985745026999
STAD	MLLT10	cg05913198	-0.0926242679606921	395	-1.78935557041159	0.0743753492320412	0.0085792550152541	0.192666108959322
STAD	MLLT10	cg06398735	-0.0747086091809129	395	-1.44107601126758	0.150408945623227	0.00558137628574639	0.316206721322379
STAD	MLLT10	cg11443378	-0.0901618724966219	443	-1.83979903977612	0.0665152146009306	0.00812916325209711	0.177554973910194
STAD	MLLT10	cg15910013	-0.14026262554662	395	-2.72494334967137	0.00673663700825464	0.0196736041252314	0.0314278732276956
STAD	MLLT10	cg19119538	-0.0134583195453771	395	-0.258899393094814	0.795856837675836	0.00018112636498548	0.88820429496688
STAD	MLLT10	cg20569108	-0.102981905213303	395	-1.99148476548258	0.047162441683072	0.0106052728013617	0.138273723837073
STAD	MLLT10	cg23344688	-0.288517492702195	395	-5.79623171111111	1.45357974541882e-08	0.083242343595161	3.83972097504624e-07
STAD	MLLT10	cg26877631	0.0338962729948653	395	0.65238271697894	0.514559398523387	0.00114895732294244	0.696073623192078
STAD	MLLT10	cg27470303	-0.258640279301533	395	-5.15029038711259	4.23665408496388e-07	0.0668947940771751	7.94758302111599e-06
STAD	MLLT10	cg27572529	-0.155570083777055	395	-3.02933286941711	0.00262309348480886	0.0242020509663999	0.0147891676009002
STAD	MLLT6	cg05652455	0.00428221771512649	395	0.0823708576228241	0.934396351290255	1.83373885597431e-05	0.965126462183492
STAD	MORF4L	cg03589001	-0.16400788649666	443	-3.37878615759525	0.000797231840514142	0.0268985868331014	0.00555285645992991
STAD	MORF4L	cg07757959	-0.0318121810686318	395	-0.612229391735346	0.540762047074686	0.00101201486434342	0.715929232896563
STAD	MORF4L	cg08692282	-0.0367187362864355	395	-0.70677561605911	0.480150785739463	0.0013482655944728	0.667396552062175
STAD	MORF4L	cg13747872	-0.143822755002482	395	-2.79554996629924	0.00545131722981644	0.020684984856504	0.0265780754936287
STAD	MORF4L	cg15822222	-0.0911339345590485	395	-1.76032155600188	0.0791794894372816	0.00830539402821293	0.201483721454142
STAD	MORF4L	cg20775702	-0.0206612637683291	394	-0.397512199398441	0.691219017900213	0.000426887820504467	0.822539423601572
STAD	MORF4L	cg20905746	-0.110030620098999	395	-2.12941059581136	0.033879996567714	0.0121067373593703	0.108104537607011
STAD	MORF4L	cg23623458	-0.0325183549492048	395	-0.625834026055752	0.531809660320085	0.00105744340860247	0.709358854126078
STAD	MORF4L	cg24795825	-0.141101625419591	395	-2.74157307504975	0.00641144446530601	0.0199096686960505	0.0302169871840847
STAD	MPHOSF	cg00331616	-0.288293244391056	395	-5.79131808322029	1.49311305276809e-08	0.0831129947615211	3.93613137333245e-07
STAD	MPHOSF	cg03134886	-0.0187647313261909	395	-0.361010378079554	0.718297722937461	0.000352115141744129	0.840049505527696
STAD	MPHOSF	cg03428000	-0.0430811405035956	443	-0.876325832839094	0.381362337012269	0.00185598466709054	0.579800955275965
STAD	MPHOSF	cg04203901	-0.128680104589061	395	-2.49596227551516	0.0129961730842548	0.0165585693170516	0.0523144399048824

STAD	MPHOSF	cg06019692	-0.190016256813422	395	-3.72286272190294	0.000227622558349202	0.0361061778533844	0.0019359139981605
STAD	MPHOSF	cg09559995	-0.362864711926672	395	-7.4903721347698	5.09366046340789e-13	0.131670799161627	3.01564856994181e-11
STAD	MPHOSF	cg11051893	0.0322133910140097	395	0.619958697939262	0.535666590829419	0.00103770256062148	0.712027381260434
STAD	MPHOSF	cg19693579	-0.16774615723872	395	-3.27304000947132	0.00116414166840116	0.0281387732683575	0.0076188893096064
STAD	MPHOSF	cg20759595	-0.325868886308244	395	-6.63011838054517	1.18984874064916e-10	0.106190531063775	4.69386880984082e-09
STAD	MPHOSF	cg20952532	-0.27763025045118	395	-5.55885413749035	5.20654647403083e-08	0.0770785559655847	1.20834748329581e-06
STAD	MPHOSF	cg21958444	-0.110519510160782	395	-2.13898876628281	0.0330906777660368	0.0122145621261792	0.106198687546661
STAD	MPHOSF	cg22656705	-0.341138114905568	395	-6.98067087594924	1.36685007270625e-11	0.116375213441324	6.33309913973257e-10
STAD	MSH6	cg00620552	-0.169998895209783	395	-3.31829429184486	0.000995564679902494	0.0288996243725468	0.00669221106958737
STAD	MSH6	cg02905881	0.142614056636191	443	2.92819098019905	0.00359811195653577	0.0203387691502306	0.0190416001052207
STAD	MSH6	cg05039065	0.140452869484928	395	2.72871362777355	0.0066616316786882	0.0197270085465503	0.0311551626074227
STAD	MSH6	cg07652213	0.107484721740657	443	2.19707590309562	0.0285698147705436	0.0115529654076664	0.0951845897327481
STAD	MSH6	cg09898070	-0.0294647643645814	395	-0.567012244457132	0.571049682900073	0.000868172339060306	0.739012177591009
STAD	MSH6	cg11869233	-0.0825611162639971	395	-1.59353510339645	0.111894061358984	0.00681633791875724	0.258015700390715
STAD	MSH6	cg16595246	0.0661226848657601	395	1.27468488580673	0.203220712768668	0.00437220945385662	0.387076691430777
STAD	MSH6	cg18222961	-0.0612789560185684	395	-1.18094362624843	0.238383679377677	0.00375511045072564	0.430034782337144
STAD	MSH6	cg19076255	-0.1482009052756	395	-2.88253234338074	0.00417522333720311	0.0219635083245073	0.0214860193742414
STAD	MSH6	cg19736286	-0.0775211485676148	395	-1.49564991315362	0.135597338307674	0.0060095284752422	0.294573005761162
STAD	MSH6	cg21405109	-0.117585336746044	395	-2.2775993157729	0.0233203682946392	0.0138263114176806	0.081774758896604
STAD	MTA1	cg01318265	-0.25458655268494	395	-5.06392653731626	6.49152552272367e-07	0.0648143128080019	1.16582760933759e-05
STAD	MTA1	cg01655777	-0.0877591226850857	395	-1.69461873477719	0.0909891933928492	0.00770166361445592	0.222556620367971
STAD	MTA1	cg05922925	-0.222808782337623	395	-4.39632662077814	1.44070522126574e-05	0.0496437534867742	0.000180045336519112
STAD	MTA1	cg13052453	-0.273004283900557	395	-5.45870299850308	8.80723120478971e-08	0.0745313390280557	1.93545125521302e-06
STAD	MTA1	cg13981078	-0.302731678602403	395	-6.10986024885303	2.52787851968657e-09	0.0916464692294288	7.75754562368824e-08
STAD	MTA1	cg16531924	0.00978668183983297	395	0.188259599765876	0.85077636193059	9.57791414341164e-05	0.920447221424879
STAD	MTA1	cg20222911	0.0276333815790816	443	0.561791207305221	0.5745633020588764	0.000763603777495125	0.741708106527758
STAD	MTA1	cg21517792	-0.112774429681413	395	-2.18318685513304	0.0296498866651502	0.012718071989968	0.0978153294274499
STAD	MTA1	cg23123838	-0.0784206160149681	395	-1.51311050089786	0.131105271045483	0.00614979301616706	0.287780760005944
STAD	MTA1	cg23883989	-0.0858678894970022	395	-1.65782495659368	0.0982003421195714	0.00737329444666938	0.234993306925773
STAD	MTA1	cg23966123	-0.12974414552631	395	-2.51695299901496	0.0122594224828845	0.0168335432983522	0.0500057420634186
STAD	MTA2	cg00501779	0.0171162226575362	395	0.329285354590874	0.742126330148564	0.000292965078062357	0.85494869872612
STAD	MTA2	cg07654871	0.139833701584938	395	2.71644400991165	0.00690852438030756	0.0195534640989456	0.0320764992922499
STAD	MTA2	cg09086761	0.0209876021182089	443	0.426612442714571	0.669883916632332	0.000440479442672249	0.808719711085479
STAD	MTA2	cg13708959	0.0444948774093895	395	0.856724545019666	0.392151659166957	0.0019797941156766	0.589198300192203
STAD	MTA2	cg19570317	0.01010635524407	443	0.205395897967225	0.837364022650298	0.00010213841631934	0.912945059668339
STAD	MTA2	cg21002970	0.0849239249904784	395	1.63946698906519	0.101965959056837	0.0072120730357884	0.241604113688575
STAD	MTF2	cg05396182	-0.0993374954653021	395	-1.92029303319846	0.0555893216437328	0.00986793800531891	0.155726168093358
STAD	MTF2	cg05962718	-0.245054989117106	395	-4.8619723501416	1.72117438225305e-06	0.0600519476911848	2.76646776638416e-05
STAD	MTF2	cg09936581	-0.0860990314545823	395	-1.66232082668556	0.0972953521853478	0.00741304321741716	0.233459628879644
STAD	MTF2	cg11404133	-0.169721324886944	395	-3.31271542399806	0.00101504541881556	0.0288053281213797	0.00679848844695115
STAD	MTF2	cg14474880	-0.22219498366492	443	-4.63130792806776	4.8759459277883e-06	0.0493706107658542	6.96509984403898e-05
STAD	MTF2	cg15463775	0.0985714095180324	395	1.90533795339418	0.0575110849038421	0.00971632277437165	0.159638098159191
STAD	MTF2	cg16813892	-0.0945581804488882	395	-1.82704930919072	0.0684977743499331	0.0089412494898045	0.181464868305081
STAD	MTF2	cg19708337	-0.01877700389786	395	-0.361246570530052	0.71812131338239	0.000352575875380251	0.839921300135839
STAD	MTF2	cg22801127	-0.136436104872424	395	-2.64917363660683	0.00841470539756529	0.018614810712759	0.037351029373395
STAD	MTF2	cg23992808	-0.161417648882445	395	-3.14618901045017	0.00178811145438585	0.0260556573707362	0.0108471882784227
STAD	MTF2	cg26054395	-0.220482110859045	443	-4.59377406710589	5.7896419476747e-06	0.0486123612088602	8.10362370776189e-05
STAD	NAP1L2	cg02379437	-0.0484026823137213	394	-0.930876241841103	0.352526191532347	0.00234281965516303	0.551544004667204
STAD	NAP1L2	cg04297329	-0.181572581741402	443	-3.7523644007966	0.000200239279028909	0.0329686024402382	0.00173874477874483
STAD	NAP1L2	cg07693661	-0.0797122504898443	394	-1.53611036201428	0.125368293244336	0.00635404287815568	0.27897314086527
STAD	NAP1L2	cg20001978	-0.188646077651366	391	-3.67499600765267	0.00027340589633094	0.035587342613245	0.00225981069901924
STAD	NAP1L2	cg23483095	-0.321889050635088	395	-6.53972046140395	2.05107615219452e-10	0.103612560918758	7.69341457009741e-09
STAD	NCOA1	cg11380327	-0.19185293946548	395	-3.76021592928226	0.000197252557069967	0.0368075503815451	0.00171625829601846
STAD	NCOA1	cg13911252	-0.134603963432011	395	-2.61293803618041	0.00934279663682385	0.0181182269716061	0.0404190129833413
STAD	NCOA1	cg15477048	-0.0872886359018171	395	-1.68546374554027	0.0927422445676728	0.00761930595759999	0.225698695042229
STAD	NCOA1	cg23006163	-0.165781905367816	391	-3.22048811660055	0.00139393393307466	0.0274836401473836	0.00885294280264593
STAD	NCOA3	cg04175879	-0.0989965297831856	395	-1.91363647723466	0.0564379669170172	0.00980031290911314	0.15749103946992

STAD	NCOA3	cg09568061	-0.0450606401482976	395	-0.867640021646209	0.386153794197899	0.00203046129057437	0.584171753769278
STAD	NCOA3	cg12128876	0.00673230957553238	443	0.136819798409409	0.891239904665202	4.5323992220805e-05	0.942448613420755
STAD	NCOA3	cg14341558	-0.132569295887817	395	-2.57272889673839	0.0104790988192443	0.0175746182121914	0.0441990908215856
STAD	NCOA3	cg14774045	-0.0583683484849328	395	-1.12465500802206	0.261464318996191	0.00340686410485856	0.456799210204584
STAD	NCOA3	cg18295930	-0.0355123892420201	395	-0.68352558923389	0.494702598099232	0.00126112978967675	0.679801776141554
STAD	NCOA3	cg21735648	-0.0628269933843789	395	-1.21089354850091	0.226709086728975	0.00394723109772079	0.416222752530948
STAD	NCOA3	cg22511723	-0.15767046389769	395	-3.0712680098203	0.00228915953949408	0.0248599751857127	0.0132630429146796
STAD	NCOA3	cg22876277	0.0317469971131102	395	0.610973651458148	0.541592170595681	0.00100787182569983	0.716506415029081
STAD	NCOA3	cg24856420	-0.0437828621086839	395	-0.842988534367955	0.399779467744429	0.00191693901442803	0.596410921522458
STAD	NCOA3	cg25373408	-0.0762957757333596	395	-1.4718687082129	0.141906366795439	0.00582104539475511	0.304142939970625
STAD	NCOR1	cg00253204	-0.112632647366074	395	-2.18040681798403	0.0298568256398954	0.0126861132526905	0.0983078754892337
STAD	NCOR1	cg08125503	0.0139535474635706	395	0.268427977419786	0.788519502927529	0.000194701486818117	0.883644155465996
STAD	NCOR1	cg08206308	0.0940199119467439	395	1.81655588239066	0.0700941627791968	0.00883974384247348	0.184562711093073
STAD	NCOR1	cg21211144	-0.112972655290382	395	-2.18707384672333	0.029362625768494	0.0127628208433595	0.0971477952211212
STAD	NCOR1	cg22291359	0.132348450706213	395	2.56836655156417	0.0106095173463579	0.0175161124043348	0.044638009326261
STAD	NCOR1	cg22625220	0.122506315328818	395	2.37434018758803	0.0180898309782361	0.0150077972954438	0.0673984823333763
STAD	NCOR2	cg08976554	0.0390403533406429	395	0.751529130062278	0.452812028649628	0.00152414918896225	0.643257349197786
STAD	NCOR2	cg10641483	-0.0639183370521447	395	-1.23201306544031	0.218726571282218	0.00408555381151157	0.406527496328576
STAD	NCOR2	cg13416396	-0.0336010375179094	395	-0.646694033021342	0.51823093944901	0.00112902972227995	0.699055984871014
STAD	NCOR2	cg13419087	-0.014420353134357	395	-0.277409875561969	0.78162032803941	0.00020794658451956	0.879325694858971
STAD	NCOR2	cg13857025	-0.124520089522171	395	-2.41397953860774	0.0162641657436289	0.0155052526946095	0.0620800995596954
STAD	NCOR2	cg16181859	-0.0766765592911979	395	-1.47925797369089	0.139922243147452	0.00587929474473658	0.30121789255923
STAD	NCOR2	cg19895345	-0.0610483981800717	395	-1.17648375452768	0.24015796405396	0.00372690692035258	0.432123253016195
STAD	NCOR2	cg23611643	-0.0256133355934701	395	-0.492844037194658	0.622415138344258	0.000656042960223721	0.776345949233976
STAD	NCOR2	cg24626542	-0.0738923921992706	395	-1.42524484846308	0.154929442698804	0.00546008562493082	0.322675654993328
STAD	NCOR2	cg25113767	0.0423158132432087	395	0.814690650396058	0.41577345979163	0.00179062805043412	0.611395961118085
STAD	NCOR2	cg25449924	-0.0802569397175679	395	-1.54876906446907	0.122292129661377	0.00644117637282932	0.274222290804403
STAD	ORC1	cg00298020	-0.0202931939005272	395	-0.3904277785506	0.696444931975775	0.000411813718684394	0.825953366640091
STAD	ORC1	cg02275620	0.103671092207832	395	2.00495671312576	0.0456956896109889	0.0107476953595647	0.135098638604388
STAD	ORC1	cg04407474	0.0519678253456238	395	1.00097363534915	0.317493723305034	0.00270065487115326	0.516717713614892
STAD	ORC1	cg07142859	-0.0301255167766244	394	-0.578955053938244	0.562972732142087	0.000907546761058681	0.732998053929965
STAD	ORC1	cg08613513	-0.0173242941434116	443	-0.352124105799033	0.724924796061422	0.000300131167567444	0.844107163370787
STAD	ORC1	cg10586599	-0.027375168844871	443	-0.55653774429895	0.57814472334067	0.000749399869285193	0.744461921731836
STAD	ORC1	cg13460942	-0.0126547322743633	395	-0.243438128640155	0.807800920830117	0.000160142248935812	0.895901153112816
STAD	ORC1	cg16136434	0.0262496080058497	395	0.505095337377883	0.613792591469252	0.00068904192046077	0.770225842190518
STAD	ORC1	cg16965475	0.00044322775821087	395	0.00852565699341599	0.993202187207874	1.96450845648634e-07	0.996442797380088
STAD	ORC1	cg17146111	-0.186940406382492	395	-3.66039874613154	0.000288456081213693	0.0349467155384513	0.00236485956180188
STAD	ORC1	cg19776520	-0.0347671337113891	395	-0.669163718971756	0.503808361631164	0.00120875358650561	0.687151096223535
STAD	ORC1	cg21197365	0.109204435990997	395	2.11322782538315	0.0352503219427607	0.0119256088401119	0.111433359551998
STAD	ORC1	cg23606758	0.0184528365675175	395	0.355007844909118	0.722785986529468	0.000340507177387511	0.842917863360672
STAD	ORC1	cg25605769	-0.0216324291637779	395	-0.41620547872021	0.677500965135662	0.000467961991525869	0.813607750567516
STAD	PADI1	cg14524955	-0.0471826833630559	395	-0.908588951956612	0.364158565225207	0.00222620560933839	0.563151802467543
STAD	PADI1	cg21010178	-0.00010658845659908	395	-0.0020502699108708	0.998365227389827	1.13610990801751e-08	0.999097270277528
STAD	PADI1	cg22193702	-0.0253736416503014	443	-0.515819406027943	0.606256569403163	0.000643821690597909	0.764663738308237
STAD	PADI2	cg00569276	-0.20090082998601	395	-3.94483352808947	9.55408648158272e-05	0.0403611434890677	0.000926797177835824
STAD	PADI2	cg01603374	-0.159612512421808	395	-3.1100800009848	0.00201539565645186	0.0254761541216018	0.011971732268776
STAD	PADI2	cg07014827	-0.141418954683224	395	-2.7478643927022	0.0062921631387464	0.0199993207436958	0.0297799196456554
STAD	PADI2	cg09313801	-0.108259935688982	395	-2.09473298031817	0.0368743275374609	0.0117202136753826	0.11529285143078
STAD	PADI2	cg10233913	-0.228056766028824	395	-4.50548885692672	8.89302454076105e-06	0.052009888531526	0.000117958047932475
STAD	PADI2	cg15185794	-0.12745173393445	443	-2.61142203748776	0.00934506603084214	0.0162439444828979	0.0404218836168353
STAD	PADI2	cg17183414	-0.119120600648119	395	-2.30776224902716	0.0215634646643138	0.0141897174987686	0.0771339051910808
STAD	PADI2	cg18228326	-0.114078252669829	395	-2.20875829146491	0.0278038030901486	0.0130138477322015	0.0932773321573574
STAD	PADI2	cg18879300	-0.00803755900648052	395	-0.154610528590769	0.877212670900392	6.46023547826561e-05	0.934948383614538
STAD	PADI2	cg19282714	-0.111224693221777	443	-2.27446527470739	0.0234501526558177	0.0123709323822784	0.0821267355020339
STAD	PADI3	cg01459162	0.0236177978849374	443	0.480104289433381	0.6314074143799	0.000557800376933756	0.782534784041261
STAD	PADI3	cg12858514	-0.149380699486724	443	-3.07022319350512	0.00228024434688352	0.022314593379143	0.0132182808287226
STAD	PADI3	cg14664242	0.0215284296904521	395	0.414203610618891	0.678965010476604	0.000463473284936741	0.81474760289124

STAD	PADI3	cg17589397	0.068011310560144	395	1.31125983553315	0.190583142404854	0.00462553836410836	0.370876160188008
STAD	PADI3	cg18768338	-0.00689428049455527	395	-0.132617284902062	0.894568152968527	4.75311035376052e-05	0.944029938671375
STAD	PADI3	cg21966975	-0.00227012991969587	395	-0.0436669333939353	0.965193453138728	5.15348985229839e-06	0.981660885793698
STAD	PADI4	cg16091981	0.0180643598414905	395	0.347531607453544	0.72838958479354	0.000326321096482856	0.846456528082527
STAD	PADI4	cg18333690	-0.0137303996967549	443	-0.278722949539234	0.780597291263914	0.000188523875832648	0.878814135175231
STAD	PADI4	cg19159961	-0.00490175790928407	384	-0.0930054345307191	0.925950980163613	2.4027230601229e-05	0.961022354090429
STAD	PADI4	cg21295838	-0.0581054487235865	395	-1.11957219421334	0.263622355885281	0.00337624317136934	0.459064277963458
STAD	PADI4	cg23228178	0.0850953182173475	443	1.73563669194615	0.0833739550301366	0.00724121318251164	0.209009843310597
STAD	PADI4	cg26918754	-0.0631358505885333	395	-1.21687006041019	0.224429276601722	0.0039861356295376	0.41365771421694
STAD	PADI6	cg12643633	-0.0134268173250272	395	-0.258293271503272	0.796324193171324	0.000180279423479651	0.888484467824802
STAD	PADI6	cg16017904	-0.0264723661785599	395	-0.509384646604743	0.610786294627201	0.00070078617109176	0.767915007502561
STAD	PARP1	cg00653565	-0.0425570316343836	395	-0.81934314082307	0.413118109739535	0.00181110094152992	0.608664802353693
STAD	PARP1	cg02088626	-0.278514976262773	395	-5.57805567725603	4.70333761470416e-08	0.0775705920026528	1.10641501783579e-06
STAD	PARP1	cg03149313	0.0182383348318469	395	0.35087973775638	0.725878267044493	0.000332636857438561	0.844686380459213
STAD	PARP1	cg04960271	0.029955563217416	443	0.609042299901354	0.542831262975248	0.000897335767672609	0.71734714737002
STAD	PARP1	cg07113065	-0.108801918108561	395	-2.10534516833435	0.0359348360403197	0.011837857384102	0.11309631179386
STAD	PARP1	cg17661881	-0.0818158341068762	443	-1.66626627348617	0.0964204283260629	0.00669383071060389	0.232068208787919
STAD	PARP1	cg25722198	-0.0624091972411218	395	-1.2028095795071	0.22981913137943	0.00389490790028125	0.419901111055741
STAD	PARP1	cg26464410	-0.0728557811824885	395	-1.40514311912859	0.160817758730462	0.00530796485171064	0.330834417159064
STAD	PARP2	cg01813761	-0.0440691519006181	383	-0.834638349555467	0.404477967085615	0.00194209014923975	0.600890072063408
STAD	PARP2	cg10910545	-0.158891211724306	395	-3.09566045213957	0.00211337576787575	0.0252464171632182	0.0124212718711186
STAD	PARP2	cg15078479	-0.358887756956568	443	-7.81402579937015	4.6368959421915e-14	0.128800422093317	3.20073365507405e-12
STAD	PARP2	cg15365367	-0.112845608491382	395	-2.18458256484798	0.0295464613157087	0.0127341313557902	0.0976024378596283
STAD	PARP2	cg18899035	0.0410307617692377	341	0.733450488446782	0.46382238193294	0.00168352341136394	0.653043244350372
STAD	PARP2	cg19540080	0.00989713293400248	395	0.190384477711552	0.849112272357399	9.79532403133165e-05	0.919549048859957
STAD	PARP2	cg24595957	-0.0718739824026208	443	-1.46443937189784	0.143834694737882	0.00516586934641224	0.306941449127071
STAD	PARP2	cg26206608	-0.117245351412809	395	-2.2709219595454	0.0237257606164685	0.013746472427913	0.0829016269043098
STAD	PARP2	cg26430074	-0.102341074389412	395	-1.97896066600425	0.0485614663703439	0.0104736955071792	0.141178321866084
STAD	PAXIP1	cg02824291	0.122649921247338	395	2.37716595005407	0.017953960027107	0.0150430031819781	0.0670077895964672
STAD	PAXIP1	cg12220104	0.122353303246414	395	2.37132950475023	0.0182355875058473	0.0149703308153088	0.067804052652515
STAD	PAXIP1	cg22583711	-0.0493638228939981	394	-0.949405527551375	0.343035781471723	0.00243678701071001	0.542327797429914
STAD	PAXIP1	cg24448952	-0.29428371932498	395	-5.92293935430919	7.23208408425453e-09	0.0866029074597436	2.0369759205304e-07
STAD	PAXIP1	cg24452135	0.0682670670744865	395	1.31621387228571	0.18891707873974	0.00466039244695244	0.368678103090068
STAD	PCGF1	cg03203239	0.0746186376608348	395	1.4393308014615	0.1509022721209	0.00556794108635896	0.316978300455604
STAD	PCGF1	cg08092637	0.022311441773796	395	0.429276011681468	0.667972223282061	0.000497800434025489	0.807386944547236
STAD	PCGF1	cg27306986	0.0144226974519696	395	0.277454983483222	0.781585722752687	0.000208014201791049	0.879321110278629
STAD	PCGF2	cg09395368	-0.172655102800745	395	-3.37172258682034	0.000825824836940618	0.0298097845231358	0.00572025797925015
STAD	PCGF2	cg17902383	0.0783249162664514	395	1.51125258803013	0.131577674618145	0.00613479250814662	0.288523652485947
STAD	PCGF2	cg20228512	-0.16538339329228	443	-3.40791693599166	0.000718885343821533	0.027351666776869	0.00509799147103486
STAD	PCGF2	cg25377665	-0.0862171122538268	395	-1.66461768378263	0.096835599861684	0.00743339044538898	0.232698210522027
STAD	PCGF5	cg03905463	-0.00755584146389236	395	-0.145343661414897	0.884518687627617	5.7090740227475e-05	0.938773865389271
STAD	PCGF5	cg06001881	-0.251689415531577	395	-5.0023788595855	8.76755125862437e-07	0.0633475618906268	1.52280170264216e-05
STAD	PCGF5	cg07421809	-0.0509330467719802	395	-0.980989972343896	0.327238686285736	0.00259417525347672	0.526737147960119
STAD	PCGF5	cg07424295	-0.0550477188667867	395	-1.0604719815102	0.28962167610353	0.00303025135243678	0.487103010574765
STAD	PCGF5	cg08633154	-0.0936030070442352	443	-1.91062629677199	0.0567447766818284	0.00876152292772314	0.158097670553189
STAD	PCGF5	cg11113644	-0.072480458679835	395	-1.39786608137913	0.162990743624856	0.00525341689043927	0.333772984536366
STAD	PCGF5	cg12783297	-0.0447712487185909	395	-0.862056578407532	0.389214742499679	0.00200446471182192	0.586817635008447
STAD	PCGF5	cg15550435	0.0750631337631599	389	1.438136451454	0.151252169104062	0.00563447405034604	0.317507521608283
STAD	PCGF5	cg17001035	-0.0525579540996641	443	-1.06958213727888	0.28543214929756	0.0027623385391424	0.482670086711794
STAD	PCGF5	cg20515900	-0.230514571109857	395	-4.55675484852511	7.06650239108793e-06	0.0531369674939615	9.6224660775826e-05
STAD	PCGF5	cg22968329	-0.15805095290326	395	-3.07886921774463	0.00223298967981967	0.0249801037136285	0.0129869317547766
STAD	PCGF5	cg23395902	-0.301492053920759	395	-6.08233444260663	2.95575328145633e-09	0.0908974585773579	8.91931228772745e-08
STAD	PCGF5	cg25390656	-0.112863321217635	395	-2.18492989013815	0.029520772165117	0.012738129276275	0.0975424290610394
STAD	PCGF6	cg01917164	-0.152113687723285	395	-2.96041555081679	0.0032702534796935	0.023138573992777	0.0176499305674536
STAD	PCGF6	cg06691148	-0.0827539205528682	395	-1.59728210303739	0.111056487088221	0.00684821136687043	0.256655230127178
STAD	PCGF6	cg11612727	0.0326267665013837	395	0.627922687035214	0.530441945530741	0.00106450589233581	0.708299808350379
STAD	PCGF6	cg11814370	-0.0860036628248711	395	-1.66046580849968	0.0976679409665422	0.00739663001929412	0.234100930476682

STAD	PCGF6	cg14409890	-0.179505283096107	395	-3.50986374564263	0.000503628652961835	0.0322221466594136	0.00377086500755659
STAD	PCGF6	cg16113748	-0.069900079341791	395	-1.34785172009571	0.178530730654201	0.00488602109198868	0.355135002058733
STAD	PCGF6	cg16382383	-0.0675961557525041	395	-1.30321878573238	0.193310464879492	0.0045692402725168	0.374294248216318
STAD	PCGF6	cg24418712	-0.067275546940801	395	-1.29700944386657	0.195436133241757	0.00452599921618392	0.377170889342824
STAD	PCGF6	cg25481680	-0.136548478787429	395	-2.65139703508757	0.00836055112463715	0.0186454870591609	0.0371678789753713
STAD	PCGF6	cg26155979	-0.140254621973966	395	-2.72478474062165	0.0067398089925342	0.0196713589850601	0.0314376244612787
STAD	PCGF6	cg27217148	0.18603730566907	443	3.84789880238803	0.000137978544207651	0.0346098791006071	0.00126833308142384
STAD	PHC1	cg02770112	-0.14120758962304	395	-2.74367380788282	0.00637138998143692	0.0199395833671488	0.0300686949043251
STAD	PHC1	cg08021945	-0.00795577470525297	395	-0.153037225236248	0.878452344153509	6.3294351160743e-05	0.935421717494005
STAD	PHC1	cg08867249	-0.161463391176301	395	-3.147104434951	0.0017826696702364	0.0260704266901513	0.0108251505992015
STAD	PHC1	cg09059548	-0.21517383600819	443	-4.47773663879976	9.77426241624986e-06	0.0462997797024797	0.000128269057086664
STAD	PHC1	cg09912793	-0.0814216231844466	395	-1.5713936163018	0.116945966834806	0.00662948072199002	0.266020336996091
STAD	PHC1	cg12581035	-0.168702970251062	443	-3.47830424327471	0.000558219256614069	0.0284606921715306	0.00411543867030278
STAD	PHC1	cg14199415	-0.180473494364155	395	-3.5294307659061	0.000468943479388599	0.0325706821680087	0.00355392002294756
STAD	PHC2	cg06899053	-0.115381277126485	395	-2.2343256192159	0.0260583460422817	0.0133128391113387	0.0888900391535465
STAD	PHC2	cg13640100	-0.0598826591362062	395	-1.15393677515214	0.249270904187539	0.00358593286522305	0.44276504601606
STAD	PHC2	cg15586632	-0.0249126177231963	394	-0.478704333315103	0.632432505857411	0.000620638521822116	0.783338052112774
STAD	PHC2	cg16558908	-0.0527231239191848	395	-1.01556201275146	0.310501619904121	0.00277972779579771	0.509301741984085
STAD	PHC2	cg17161743	-0.0629853491612684	395	-1.21395775313518	0.225538146709977	0.00396715420896689	0.414926193732726
STAD	PHC2	cg19746874	-0.148152355208612	395	-2.88156684107583	0.00418775059854131	0.0219491203538586	0.0215336023572558
STAD	PHC2	cg21198021	0.097557524048029	443	1.99210573444038	0.0470174128001625	0.00951747049838175	0.137947197058234
STAD	PHC2	cg21578869	0.0602898768868314	395	1.16181237726239	0.246060586720663	0.00363486925502929	0.439061963935362
STAD	PHC2	cg23886755	0.00698544527898715	439	0.14127533480622	0.887721990481	4.87964457457238e-05	0.940339109318758
STAD	PHF1	cg01097444	0.0428422197307208	395	0.824843880484668	0.409991678894829	0.00183545579145536	0.605910822446386
STAD	PHF1	cg02776641	0.00289519475852317	395	0.0556904165168074	0.955618493729015	8.38215268978005e-06	0.97639035318503
STAD	PHF1	cg03560363	-0.00327126655496111	395	-0.062924405236525	0.94986067944094	1.07011848736072e-05	0.973426106853136
STAD	PHF1	cg03876174	0.00586193286121705	395	0.112758467263593	0.910283197811577	3.43622568694163e-05	0.95243602763317
STAD	PHF1	cg06618123	0.0879721129269264	395	1.69876359085514	0.090204359047339	0.0077390926528279	0.221161917769651
STAD	PHF1	cg06919790	0.141095443455709	395	2.74145052102218	0.00641378819951819	0.0199079241639631	0.0302213348996559
STAD	PHF1	cg07857404	-0.108427792429171	393	-2.09234145987757	0.037092631847659	0.0117565861710634	0.115812498071792
STAD	PHF1	cg08665801	-0.0213411567495303	395	-0.410598859639235	0.681604373438448	0.000455444971408021	0.816367942900459
STAD	PHF1	cg08798692	-0.127508262637041	395	-2.47285506166572	0.0138524455862561	0.0162583570407165	0.0549352753105404
STAD	PHF1	cg10033570	-0.0262865269303717	395	-0.505806222721844	0.613293892410904	0.000690981498061156	0.76979727493728
STAD	PHF1	cg10797813	-0.166187345614782	395	-3.24175664708261	0.00129576403553767	0.0276182338424871	0.00832460710055477
STAD	PHF1	cg13303256	0.189836605113579	443	3.92938889304611	9.98153634548651e-05	0.0360379366410488	0.000962090990534973
STAD	PHF1	cg13528777	0.0922182963344646	395	1.78144541767711	0.075659882623452	0.00850421417883113	0.195077718043511
STAD	PHF1	cg13547657	-0.109262143538236	395	-2.11435801982791	0.0351530998802314	0.0119382160105701	0.111210616630803
STAD	PHF1	cg18443095	0.166920342157818	395	3.25646382401779	0.001232255198198	0.0278624006260829	0.00799250132471363
STAD	PHF1	cg20135607	-0.119919367375057	395	-2.32346203872373	0.0206956338166977	0.0143806546716338	0.074758364465833
STAD	PHF1	cg20872639	0.0228206099814507	395	0.439077543858402	0.66086164887947	0.000520780239925489	0.80265836775272
STAD	PHF1	cg23345642	-0.0160706099779095	395	-0.309164280688396	0.757370583480667	0.000258264505062085	0.864635944576773
STAD	PHF1	cg23718418	-0.0659064500137491	395	-1.27049818722864	0.204705519418143	0.00434366015341481	0.388838021672933
STAD	PHF1	cg24796663	-0.0560127014010657	393	-1.07619948897053	0.282543079646621	0.00313742271824494	0.479758950955565
STAD	PHF1	cg26673053	-0.0430423797533457	395	-0.828704709780263	0.407805775135012	0.00185264645483123	0.603908085541273
STAD	PHF10	cg04353997	-0.275246743322801	395	-5.50720004093834	6.8344411512463e-08	0.0757607697098076	1.54154396903466e-06
STAD	PHF10	cg05243705	-0.147995797844321	395	-2.87845357135264	0.00422837838448022	0.0219027561795771	0.0217036072205117
STAD	PHF10	cg05736120	-0.161545032768155	395	-3.14873835128694	0.00177299474902279	0.0260967976120642	0.0107807060735875
STAD	PHF10	cg07652237	-0.247268248037876	395	-4.90873020029875	1.37726354915036e-06	0.0611415864877204	2.26901398861929e-05
STAD	PHF10	cg11442717	-0.217694038221509	443	-4.53277489255634	7.63499231476801e-06	0.0473906942771877	0.000103207053368386
STAD	PHF10	cg15342139	-0.164531674014694	395	-3.20855679300078	0.00145043927765075	0.0270706717540776	0.00914832764436213
STAD	PHF10	cg15360169	-0.378039158612895	395	-7.85462307984161	4.39358657618401e-14	0.142913605444746	3.04358569997915e-12
STAD	PHF10	cg16740543	-0.210043589690146	443	-4.3659864771486	1.60161528737449e-05	0.0441183095699226	0.000197114475029285
STAD	PHF10	cg27124293	-0.279338456284775	395	-5.59594180751591	4.27738750936559e-08	0.078029973159561	1.01697764029213e-06
STAD	PHF11	cg00092518	-0.117401992274027	395	-2.27399830573531	0.0235382346219845	0.0137832277899107	0.0823832916805086
STAD	PHF11	cg01214340	-0.11359735214358	395	-2.19932521470519	0.028472886867624	0.0129043584140325	0.0949592626674071
STAD	PHF11	cg02289189	-0.159906647208631	394	-3.11174791825622	0.0020047362374355	0.0255701358215054	0.0119214532070828
STAD	PHF11	cg05080330	-0.137528470419173	395	-2.67079130327312	0.00790128729338363	0.0189140801758372	0.0355878151749355

STAD	PHF11	cg09997676	-0.134537539874718	395	-2.61162484407173	0.00937808973655292	0.0181003496355413	0.040531061831411
STAD	PHF11	cg16956501	-0.122693610671199	395	-2.37802566567866	0.0179128008491658	0.0150537220995358	0.0668798439844501
STAD	PHF11	cg21320768	-0.122667708755765	395	-2.37751596897326	0.0179371927238747	0.0150473667713892	0.0669580600173276
STAD	PHF11	cg23137039	-0.148983006240734	395	-2.89808871976903	0.00397803185852425	0.0221959361485266	0.02066557665456
STAD	PHF11	cg24481868	-0.12688937198206	395	-2.46065558967576	0.0143243900661947	0.0161009127220016	0.0563429871983794
STAD	PHF11	cg24984523	-0.176988281748455	395	-3.45904567061833	0.000605254182832654	0.0313248518762704	0.00440565027032974
STAD	PHF11	cg25162948	-0.11483822240403	395	-2.22366864440003	0.0267739802804047	0.0131878173249175	0.0906751721884775
STAD	PHF12	cg01406758	-0.0210619407940846	395	-0.405224410086543	0.68554675924813	0.000443605350013523	0.819030325041761
STAD	PHF12	cg02058367	-0.0702551049200946	395	-1.35473138901637	0.176329768299835	0.0049357797673335	0.352233925511437
STAD	PHF12	cg06895197	0.112223978143993	395	2.17239447388785	0.030460233211151	0.0125942212704635	0.0998240535187582
STAD	PHF12	cg08657247	-0.14818991791683	395	-2.88231383882588	0.0041780554119513	0.0219602517721969	0.0214951155821268
STAD	PHF12	cg08806622	-0.0989800373107824	395	-1.91331451763635	0.0564792866401126	0.00979704778604387	0.157561128339702
STAD	PHF12	cg13564075	-0.0615511231645272	443	-1.25324286718966	0.210826366083745	0.00378854076281479	0.396648325997564
STAD	PHF14	cg06715026	-0.140282420525962	395	-2.72533563468333	0.00672879758046491	0.0196791575086229	0.0313994408838514
STAD	PHF14	cg07287563	-0.21593429161456	395	-4.25393838294728	2.66406439313612e-05	0.0466276182950817	0.000307252288375001
STAD	PHF14	cg07574654	-0.212400365940248	395	-4.18100166452822	3.62664398818856e-05	0.0451139154515512	0.000402068038217387
STAD	PHF14	cg11931558	-0.224529695259146	395	-4.43207807526077	1.23144832460259e-05	0.0504135840531649	0.000157281227844782
STAD	PHF14	cg13029706	-0.328119989194649	395	-6.6814240153144	8.71350889721298e-11	0.107662727309096	3.52500629823082e-09
STAD	PHF14	cg16800461	-0.205419306901442	395	-4.03742107676057	6.57133449256093e-05	0.0421970916478687	0.000673709008321409
STAD	PHF14	cg20819769	-0.166240763770043	395	-3.24282826628324	0.00129103601520587	0.0276359915388471	0.00829765827552257
STAD	PHF14	cg20964328	-0.149462224418383	395	-2.90762335336607	0.00386140709311697	0.0223389565280911	0.0201864325920262
STAD	PHF14	cg22876561	-0.144796935633581	395	-2.81488968515222	0.00514035905859317	0.0209661525688753	0.0253383026615256
STAD	PHF14	cg23083824	-0.266602166719492	395	-5.32077154316661	1.79408509886159e-07	0.0710767152995276	3.6854781140966e-06
STAD	PHF14	cg24491907	-0.174973017233271	395	-3.41840818724078	0.000699985556393281	0.0306155567597147	0.00498618466970284
STAD	PHF19	cg11054680	-0.144500966141655	363	-2.68876444385515	0.00752604520480671	0.0208805292158718	0.0342747430431292
STAD	PHF19	cg11594303	-0.0813607814632291	395	-1.57021157621442	0.11722064275097	0.00661957676030732	0.266444490348252
STAD	PHF19	cg13501527	-0.187988225185293	395	-3.6816650789628	0.000266206540144985	0.0353395728083164	0.00220875336860484
STAD	PHF19	cg13793166	-0.170940124661326	270	-2.75958632671775	0.00621053481065748	0.0292205262192295	0.029470681045522
STAD	PHF19	cg13851767	0.249748146023131	395	4.96121840058798	1.07017232660825e-06	0.062374136441991	1.81497680349165e-05
STAD	PHF19	cg13852822	0.248185265437468	395	4.92812725753763	1.25498201073575e-06	0.0615959259802666	2.09192351710256e-05
STAD	PHF19	cg14218513	-0.127377379637603	395	-2.47027487296046	0.0139510964476028	0.0162249968433421	0.0552152827149374
STAD	PHF19	cg27207079	0.196198257379041	395	3.84875222801385	0.000139824252784853	0.0384937561985724	0.00128242017462213
STAD	PHF20	cg01512265	0.0305219887758598	394	0.586581549260134	0.557843445321034	0.000931591798833712	0.729040637457658
STAD	PHF20	cg02674305	0.0053151960948333	369	0.0987267803157873	0.921412541858107	2.82513095265312e-05	0.95883463955899
STAD	PHF20	cg02957488	-0.0299849086706208	395	-0.577030695300429	0.564269631517704	0.000899094747985473	0.733986417989638
STAD	PHF20	cg04179482	-0.0088620212223313	395	-0.170471075912555	0.864732856599302	7.85354201433104e-05	0.928183506902783
STAD	PHF20	cg09692677	-0.0965882079571304	385	-1.84124124855137	0.0664088138114418	0.00932928191636986	0.177325710909841
STAD	PHF20	cg10372813	-0.274593903299275	394	-5.48564317444419	7.66383094385998e-08	0.0754018117291315	1.71076058664747e-06
STAD	PHF20	cg21765224	-0.222240831624573	394	-4.3786080667794	1.55771969489867e-05	0.0493909872411816	0.00019281025607788
STAD	PHF20	cg23538717	0.0267749807862174	395	0.515211749324946	0.606712727307622	0.00071689959610231	0.764989472223438
STAD	PHF20	cg23734815	-0.00271083638341028	395	-0.0521441705578105	0.958441957888033	7.34863389762091e-06	0.978144668843607
STAD	PHF20	cg25561939	0.00211078144133993	395	0.0406017821430779	0.967635262845821	4.45539829310506e-06	0.982949658339691
STAD	PHF20	cg27405321	-0.0897455993950067	371	-1.67612829028413	0.0946163679110815	0.00805427261076903	0.228929080732573
STAD	PHF20L1	cg02898212	-0.0536692086650192	395	-1.03383783963805	0.301887224875098	0.00288038395872938	0.500309213095873
STAD	PHF20L1	cg05307234	-0.325904413692729	395	-6.63092711344261	1.18403645361988e-10	0.106213686864402	4.67330958259282e-09
STAD	PHF20L1	cg10591701	-0.00799479966622869	395	-0.153787956973281	0.877860772870239	6.39168217031304e-05	0.935177895060217
STAD	PHF20L1	cg17646969	0.0158679087670523	395	0.305263753070153	0.760336934234394	0.000251790528639494	0.866641549931735
STAD	PHF20L1	cg24511731	-0.14100520395622	395	-2.73966160990881	0.00644808771515183	0.0198824675427352	0.0303516993835857
STAD	PHF20L1	cg26292018	0.0713710508697308	395	1.3763595184038	0.169542724504538	0.0050938269022497	0.343063171984239
STAD	PHF20L1	cg27342122	-0.226822763613636	443	-4.73294242013512	3.04486146085604e-06	0.0514485660933272	4.57370056933453e-05
STAD	PHF21B	cg01775414	-0.219441599378297	443	-4.5709953720264	6.42209246284872e-06	0.048154615537705	8.86602060434522e-05
STAD	PHF21B	cg01995480	-0.22189151981996	395	-4.37728846018071	1.56562073264748e-05	0.0492358465680117	0.000193603400533426
STAD	PHF21B	cg05064352	-0.178287874482035	443	-3.68223313041502	0.000261900971683985	0.0317865661873219	0.00217767466771953
STAD	PHF21B	cg10080155	-0.190492434477131	395	-3.73254298797465	0.000219354521782086	0.0362873675930242	0.00187645322932875
STAD	PHF21B	cg11428482	-0.169754294542928	395	-3.31337803645241	0.00101271325472872	0.0288165205157671	0.00678578940037608
STAD	PHF21B	cg14786713	-0.13912618746343	395	-2.70242767450304	0.00720064177959736	0.0193560960381093	0.0331439989705933
STAD	PHF21B	cg15679813	-0.226102225693483	395	-4.46478510096303	1.06577777359826e-05	0.0511222164635468	0.000138609069053534

STAD	PHF21B	cg20495645	-0.229033692020316	395	-4.5258550645882	8.11885590270815e-06	0.0524564320804571	0.000108895714088668
STAD	PHF21B	cg20525183	-0.198692289054395	395	-3.89967449776783	0.000114377818516406	0.0394786257296751	0.00108124332574342
STAD	PHF21B	cg21715212	-0.12928928491271	395	-2.50797872016648	0.0125697378330562	0.0167157191932398	0.0509881210232962
STAD	PHF21B	cg23080354	-0.204496327922286	395	-4.01848675695908	7.09812653712461e-05	0.0418187481336991	0.000717691260500484
STAD	PHF21B	cg25561581	-0.186641889113811	395	-3.65434246908941	0.000295105463308636	0.0348351947719721	0.00241200193450641
STAD	PHF21B	cg25976257	-0.225308042874931	395	-4.44826233246933	1.14660343843869e-05	0.0507637141841319	0.000147582508090502
STAD	PHF23	cg00039960	0.255929461454987	395	5.0925050253823	5.6402779433746e-07	0.0654998892406395	1.02905026859402e-05
STAD	PHF23	cg01441172	0.226095822031818	395	4.46465183696804	1.06640726388216e-05	0.0511193207402435	0.000138659680238089
STAD	PHF23	cg04379155	0.243253707078268	395	4.82397776069163	2.06032857672718e-06	0.0591723660073198	3.24324567579754e-05
STAD	PHF23	cg11180288	0.462661388774581	395	10.0384855081322	3.94083051581564e-21	0.214055560662824	5.7303358719133e-19
STAD	PHF23	cg13351208	0.280602800030865	395	5.62342966154953	3.69501557010082e-08	0.0787379313851615	8.92701991491998e-07
STAD	PHF23	cg22033559	-0.116480402237099	395	-2.25590121423419	0.0246601922413386	0.0135676841053165	0.0853202287237955
STAD	PHF23	cg26213471	0.0811820691422618	395	1.5667396344381	0.118030374435011	0.00659052835021897	0.267688883775672
STAD	PHF23	cg26784276	0.260274841553333	395	5.18519656547626	3.55964286341256e-07	0.0677429931456126	6.78585949430046e-06
STAD	PHIP	cg01492710	-0.156971455486245	395	-3.05730724282557	0.0023957218096673	0.0246400378374701	0.0137524190127847
STAD	PHIP	cg04480383	-0.164613532069816	395	-3.21019756925012	0.00144241028095023	0.0270976149405004	0.00910285271325078
STAD	PHIP	cg05801338	-0.10855474611114	395	-2.10050522701009	0.036360740875515	0.0117841329032542	0.114127394620529
STAD	PHIP	cg06848288	-0.143511087494902	443	-2.94699513354153	0.00339065209658299	0.0205954322339693	0.0181736522806654
STAD	PHIP	cg08287994	-0.170825327490228	395	-3.33490952205392	0.000939585822393003	0.0291812925121435	0.00637374777356481
STAD	PHIP	cg08587415	-0.0136347312456427	395	-0.262293674191132	0.793241009928594	0.000185905896140906	0.886751651084537
STAD	PHIP	cg15564972	-0.359082151212855	395	-7.40066324360919	9.19785971979698e-13	0.128939991319652	5.21149525886298e-11
STAD	PHIP	cg19494004	0.10271417043851	395	1.98625197772297	0.0477427835768177	0.0105502008088712	0.139486314852404
STAD	PHIP	cg19950079	-0.239171014946204	395	-4.73805677664509	3.08137049666662e-06	0.0572027743903975	4.62675422539438e-05
STAD	PHIP	cg21607066	-0.194795807360051	443	-4.03603359252908	6.4788918555435e-05	0.0379454065650541	0.000665371502323632
STAD	PHIP	cg21875336	-0.154687107677025	395	-3.01171641762033	0.00277627036944004	0.0239281012814835	0.0154777968410648
STAD	PHIP	cg26363168	-0.169872903611238	395	-3.31576189420098	0.00100436403313652	0.028856803381313	0.00673971324021589
STAD	PHRF1	cg06063517	-0.0481898823467557	395	-0.928029085772994	0.353997472159268	0.00232226476059415	0.553000649594533
STAD	PHRF1	cg07530960	-0.065125547410394	395	-1.25537999029122	0.210133100059511	0.00424133692550347	0.395765509890561
STAD	PHRF1	cg08482978	-0.127868163208638	395	-2.47995071244901	0.0135843323003848	0.0163502671623509	0.0541190496875573
STAD	PHRF1	cg12469954	-0.201290391380229	395	-3.95280554485217	9.25371560897014e-05	0.040517821662006	0.000901319083616155
STAD	PHRF1	cg12813709	0.0198189786999954	395	0.381300560248534	0.70319909608193	0.000392791916710871	0.830393613658546
STAD	PHRF1	cg15219216	0.114401943535397	395	2.21510851646065	0.0273610886179648	0.0130878046846761	0.0921760145481533
STAD	PHRF1	cg16143007	-0.0555790304294015	395	-1.07073904698052	0.284984736475526	0.00308902862347234	0.482168390373577
STAD	PHRF1	cg18793109	-0.154022905049716	395	-2.99846963927765	0.00289680919593952	0.0237230552799537	0.0160025736795714
STAD	PHRF1	cg20152424	0.0785288526242354	395	1.51521185483557	0.130572561316093	0.00616678069447888	0.287047837765963
STAD	PHRF1	cg21006161	-0.0809001755002682	395	-1.56126344190543	0.119316487945205	0.0065448383959742	0.269691148509683
STAD	PPARGC	cg04893087	-0.0437325951812683	443	-0.889602462208937	0.374197260879323	0.00191253988128869	0.572857007888185
STAD	PPARGC	cg05158538	-0.123878215477069	443	-2.53704458963182	0.0115463154229188	0.0153458122697831	0.0477098880337038
STAD	PPARGC	cg11270806	-0.202126730982467	395	-3.96992707723334	8.63860104589942e-05	0.0408552153776584	0.000847989059639999
STAD	PPARGC	cg12691631	-0.182663050988894	395	-3.57371972175508	0.000398526471692915	0.0333657901965713	0.00309565335385708
STAD	PPARGC	cg20723350	-0.160284086545864	395	-3.12351005851297	0.00192792081283572	0.025690988399842	0.0115390210821956
STAD	PPARGC	cg27461259	-0.183870468496996	395	-3.59816607502842	0.000364036288077417	0.0338083491853049	0.00287394347419267
STAD	PPARGC	cg27514608	-0.214990018545555	395	-4.23443250421267	2.89438469458039e-05	0.0462207080742182	0.000330445792383603
STAD	PRDM1	cg00555933	0.0221076106024189	393	0.424777148687805	0.671246711253487	0.000488746446548184	0.809606533045047
STAD	PRDM1	cg01761420	0.0823043639492387	395	1.58854560381698	0.113017131805717	0.00677400832508874	0.260019955392718
STAD	PRDM1	cg05170275	0.101250778487474	395	1.95765814332735	0.0510214495486424	0.0102517201443194	0.146431146100018
STAD	PRDM1	cg08742502	0.0497450314825525	395	0.958050901088571	0.338662679568325	0.00247456815720014	0.53802329060485
STAD	PRDM1	cg14359052	0.0873040886908782	395	1.68576441627826	0.0926842410677856	0.00762200390214473	0.225596128081953
STAD	PRDM1	cg17143179	0.0630128976366781	395	1.21449082906832	0.225334883251819	0.00397062526857047	0.414737310613292
STAD	PRDM1	cg17521665	0.0915130991552937	395	1.76770713326488	0.0779340204790116	0.00837464731700663	0.199178658600619
STAD	PRDM1	cg17965230	0.0806547061118856	443	1.64445478060112	0.100843207796388	0.00650518161799464	0.239658963380955
STAD	PRDM1	cg19464016	-0.00474876033337262	443	-0.0965073019643718	0.92316448730179	2.25507247038132e-05	0.959627247295677
STAD	PRDM1	cg22186515	0.0180628957577631	395	0.347503431451356	0.728410731117183	0.000326268203155817	0.846460715710273
STAD	PRDM1	cg22196848	0.0886642713378339	395	1.71223483240912	0.0876912710563316	0.00786135301186904	0.216849065150077
STAD	PRDM1	cg24040346	0.0187832824137205	395	0.36136740411421	0.718031069934267	0.000352811698233583	0.839851286339894
STAD	PRDM1	cg24793124	0.0304741095097863	395	0.586453574926165	0.557928358585727	0.00092867135041445	0.729139360757607
STAD	PRDM1	cg24874254	0.0719256024741141	395	1.3871092005582	0.166243459615318	0.00517329229126429	0.338575426861511

STAD	PRDM1	cg26351406	0.0744171731596436	395	1.43542305048108	0.152011383053092	0.00553791566107237	0.318645546810527
STAD	PRDM10	cg04181189	-0.180223816264786	395	-3.524383895909	0.000477669061274397	0.0324806239490435	0.00360389748353995
STAD	PRDM10	cg17627813	-0.0381835182351943	395	-0.735010649329202	0.462798613408236	0.00145798106481742	0.652168378434567
STAD	PRDM12	cg09191327	0.0955454825984591	443	1.95063769240738	0.0517761411311893	0.00912893924497244	0.148023708175361
STAD	PRDM12	cg12539975	0.0859927882682475	443	1.75407748842261	0.0801588966728301	0.00739475963414764	0.203361636047683
STAD	PRDM12	cg13795948	0.168232956484631	395	3.28281461339158	0.00112563139046495	0.0283023276475598	0.00740789457667547
STAD	PRDM12	cg13928649	0.219589317870823	395	4.32955900834109	1.9259972676291e-05	0.0482194685229731	0.00023169577172717
STAD	PRDM12	cg23342516	0.0333516181572171	395	0.641888279596112	0.521343190864059	0.00111233043370482	0.701393403951277
STAD	PRDM13	cg00126261	0.0969047056814984	395	1.87281331952029	0.0618825140238553	0.00939052198321782	0.168407202685643
STAD	PRDM13	cg00579292	-0.0281368549387612	395	-0.541437576826285	0.588531872156342	0.000791682605844889	0.752102644148345
STAD	PRDM13	cg01422797	-0.0316492941105212	395	-0.609091460629616	0.542837612393317	0.00100167781769427	0.71734714737002
STAD	PRDM13	cg01815538	-0.0421779995575005	395	-0.812032638358053	0.417295017998506	0.00177898364667252	0.612764706674011
STAD	PRDM13	cg02400433	-0.0979694231255529	395	-1.89358873025015	0.0590595144556784	0.00959800786755362	0.162757301624749
STAD	PRDM13	cg03120185	-0.0609466344741952	395	-1.17451531483271	0.240944039696379	0.00371449225373116	0.43311997799812
STAD	PRDM13	cg04910970	-0.0141089699687244	395	-0.271418472099753	0.786220564852687	0.000199063033578366	0.882190451188984
STAD	PRDM13	cg11809464	-0.0943694149373049	395	-1.82336918320972	0.0690541893713887	0.00890558647560923	0.182522479204873
STAD	PRDM13	cg13738144	-0.126850688028466	395	-2.45989315501832	0.014354352675729	0.0160910970532951	0.0564351600573943
STAD	PRDM13	cg14344102	-0.0676584747449212	395	-1.30442578625353	0.192899254460067	0.00457766920480914	0.373749211762258
STAD	PRDM13	cg17879189	-0.0467647366824967	395	-0.900522904636975	0.368427791232097	0.00218694059698325	0.567306219122175
STAD	PRDM13	cg17978124	-0.030139655440472	395	-0.580011348553668	0.562259991732234	0.000908398830070372	0.732511004968715
STAD	PRDM13	cg25273233	-0.0916314111645659	395	-1.7700118384309	0.0775486609322014	0.00839631551200974	0.198523031570293
STAD	PRDM13	cg25924096	0.00436052370406233	395	0.083877145588477	0.933199472575672	1.90141669736895e-05	0.964483648722339
STAD	PRDM13	cg26507427	-0.0917317064321074	395	-1.77196563861128	0.077223196524716	0.00841470596494633	0.197984910544628
STAD	PRDM14	cg00384539	0.0576782951609824	395	1.11131425163933	0.26715472035365	0.00332678573267741	0.462842890568378
STAD	PRDM14	cg01295203	-0.0110521199225485	443	-0.22461933672308	0.822386507266267	0.000122149354782394	0.904584460180587
STAD	PRDM14	cg04838988	0.0333121917189342	395	0.641128631293102	0.521836028857693	0.00110970211711903	0.701692504320901
STAD	PRDM14	cg09050331	0.0431522743917803	395	0.830824478439508	0.406608587002305	0.0018621187851835	0.602852753814412
STAD	PRDM14	cg10457247	0.0744426670265359	442	1.51522541421321	0.130482131990435	0.0055417106740237	0.286910297746028
STAD	PRDM14	cg11229513	0.00689116325341592	395	0.13255731929817	0.894615546742004	4.74881309852299e-05	0.944029938671375
STAD	PRDM14	cg13267264	0.0745143750313707	395	1.43730842609777	0.151475493900802	0.00555239208631577	0.317804810607595
STAD	PRDM14	cg18035229	-0.00104642778445588	395	-0.0201284513472547	0.983951753837932	1.09501110808125e-06	0.991603766431259
STAD	PRDM14	cg21255438	0.0430007595105691	395	0.82790190063163	0.40825973017703	0.0018490653184858	0.604233805560319
STAD	PRDM14	cg27029821	0.0821760684355815	395	1.58605254057301	0.113581619299284	0.00675290622352937	0.26076342014958
STAD	PRDM4	cg00090609	-0.0123717067907015	395	-0.237992745795698	0.812018460250775	0.000153059128915089	0.898725481620422
STAD	PRDM4	cg03909902	0.052258353200304	395	1.00658493405176	0.314792097546106	0.00273093570075455	0.513868902897888
STAD	PRDM4	cg12900929	-0.0794319031375188	395	-1.53274619014746	0.126192969226304	0.00630942723604817	0.280271100807693
STAD	PRDM4	cg18440127	-0.0618611872718446	395	-1.19220705512089	0.233944130645437	0.00382680649068222	0.424899556766343
STAD	PRDM4	cg25995916	-0.0678086629583116	443	-1.38121394891164	0.167960024451009	0.0045980147721939	0.340978135233345
STAD	PRDM4	cg27140793	0.0549067153990563	395	1.05774738235763	0.290860710771225	0.00301474739591296	0.488413446160781
STAD	PRDM5	cg05713693	-0.525211713214281	395	-11.871899216266	9.17851044378341e-28	0.275847343697481	2.23834809236265e-25
STAD	PRDM5	cg06329345	-0.478369445023183	395	-10.4783112293183	1.13747811951781e-22	0.228837325931788	1.90298866300578e-20
STAD	PRDM5	cg07070341	-0.591812542982492	395	-14.1224237492821	1.59317639537804e-36	0.350242086031404	5.71150066829675e-34
STAD	PRDM5	cg10416963	-0.622789320351603	395	-15.3115429942989	2.44294404226585e-41	0.387866537544011	1.03286080882625e-38
STAD	PRDM5	cg11171429	-0.421893087638309	395	-8.95087968143803	1.73381703587385e-17	0.177993777396986	1.8080504355063e-15
STAD	PRDM5	cg13155001	-0.589699164282481	395	-14.0450309510337	3.25058507615115e-36	0.347745104355456	1.14423536386472e-33
STAD	PRDM5	cg18181323	-0.576139228387793	395	-13.5587423250778	2.79249835452616e-34	0.331936410487281	9.24423902093651e-32
STAD	PRDM5	cg19294653	-0.573044194688233	395	-13.4501477647543	7.4974471457657e-34	0.328379649065886	2.42015105086181e-31
STAD	PRDM5	cg22135105	-0.626902995771092	395	-15.4778094916814	5.09909808019861e-42	0.393007366106769	2.19159798923188e-39
STAD	PRDM8	cg01304890	-0.320561516963964	395	-6.50965327597358	2.45527670391307e-10	0.102759686158238	9.0609960106363e-09
STAD	PRDM8	cg02895669	-0.18599496793651	395	-3.64122141811748	0.000310009133834204	0.0345941280977032	0.00251138712459628
STAD	PRDM8	cg04343891	-0.301030295573177	395	-6.07208980464918	3.13244559674108e-09	0.0906192388528743	9.40870551169405e-08
STAD	PRDM8	cg05007549	0.1699551915596	395	3.31741584111772	0.000998608893460514	0.0288847671380604	0.00670687906914161
STAD	PRDM8	cg07462804	-0.176637226570589	395	-3.45196348583795	0.000620850998787911	0.0312007098105495	0.00450377495334826
STAD	PRDM8	cg08074201	-0.248638430418326	394	-4.93104085556089	1.2388778785398e-06	0.0618210690808888	2.06812169603334e-05
STAD	PRDM8	cg10695325	-0.214346100667802	395	-4.22113821675014	3.06212090370784e-05	0.0459442508714916	0.000347049291350595
STAD	PRDM8	cg11571772	-0.172941915649818	395	-3.37749619623442	0.000809193039018093	0.0299089061886286	0.00562358078232745
STAD	PRDM8	cg12572049	-0.219940389222248	395	-4.33683251472535	1.86636833543528e-05	0.0483737748112339	0.000225839568030568

STAD	PRDM8	cg14489346	-0.185988723590544	395	-3.64109479233815	0.000310156351118106	0.0345918053028399	0.00251231811525218
STAD	PRDM8	cg15656813	-0.183491710564101	395	-3.59049562651444	0.00037454431392353	0.0336692078457397	0.002943545897134731
STAD	PRDM8	cg16117799	-0.235591135231147	395	-4.66293710480013	4.3599645395239e-06	0.0555031829995005	6.31030849093437e-05
STAD	PRDM8	cg18624348	-0.224360503092927	395	-4.42856122952085	1.25066482846141e-05	0.0503376353481113	0.000159420317328079
STAD	PRDM8	cg19595012	-0.300702023866698	395	-6.06480957776123	3.26424391473764e-09	0.0904217071575282	9.77062682197382e-08
STAD	PRDM8	cg20142271	-0.28433754004507	395	-5.70481226272129	2.38777463483059e-08	0.0808478366788817	6.03651487230845e-07
STAD	PRDM8	cg26162932	-0.277756846693869	395	-5.5616007625991	5.13148108411542e-08	0.0771488658853215	1.19306168397393e-06
STAD	PRKAA1	cg00301775	-0.0376104773014644	395	-0.723964197896419	0.469545198389516	0.00141454800284397	0.658348337602084
STAD	PRKAA1	cg01883943	-0.225128562946771	394	-4.43851940970771	1.19785762078634e-05	0.0506828698544784	0.000153443332375189
STAD	PRKAA1	cg03125217	0.140120602116256	395	2.72212891233994	0.00679312288417774	0.0196337831374221	0.0316388793421375
STAD	PRKAA1	cg05874655	0.110102143994086	395	2.13081177014961	0.0337635286241097	0.0121224821120945	0.107806597676243
STAD	PRKAA1	cg06971720	-0.0604585712834109	395	-1.16507510169091	0.244739170364556	0.00365523884163128	0.437703779928738
STAD	PRKAA1	cg10786880	-0.00858225798929222	443	-0.174418515588563	0.861622030706852	7.36551521947702e-05	0.926506292770974
STAD	PRKAA1	cg24728477	-0.0715856603917496	395	-1.38051945489459	0.168260167543704	0.0051245067737229	0.341365987636143
STAD	PRKCD	cg02121118	-0.0593504204676869	395	-1.14364413627197	0.253510624892798	0.00352247240969122	0.447534042455998
STAD	PRKCD	cg02559423	0.0021218240257376	395	0.0408141919219935	0.967466039487126	4.5021371961973e-06	0.982898960496999
STAD	PRKCD	cg02630105	0.0534688486406183	443	1.08817201674181	0.277153775126072	0.00285891777495335	0.473888044026601
STAD	PRKCD	cg10531918	-0.320104932570708	395	-6.49932203346936	2.61143919920838e-10	0.102467167856098	9.60994801623543e-09
STAD	PRKCD	cg13469346	-0.0334479656262124	395	-0.643744665627588	0.52013983382726	0.00111876640453228	0.700537702476721
STAD	PRKCD	cg13889007	-0.334185510046735	395	-6.82030421346699	3.71595786331321e-11	0.111679955125197	1.59096987352002e-09
STAD	PRKCD	cg13908523	0.086690617563093	443	1.76841913015833	0.0777290090255301	0.00751526317347045	0.198817995927273
STAD	PRKCD	cg14727059	-0.00269112412298166	395	-0.0517649935084193	0.958743884182421	7.24214904529383e-06	0.97832928800116
STAD	PRKCD	cg21903826	-0.109862577426512	395	-2.12611872168699	0.0341549803694486	0.0120697859187964	0.10875296917407
STAD	PRMT1	cg07702240	0.337433594076622	395	6.89506492372475	2.33617265940921e-11	0.113861430411466	1.03496706074077e-09
STAD	PRMT1	cg08377944	0.000349114609691584	394	0.00670627306555795	0.994652832442327	1.21881010700107e-07	0.997190866114469
STAD	PRMT1	cg111787855	0.154204831692935	395	3.00209754776571	0.00286332888870968	0.0237791301174465	0.0158653709094217
STAD	PRMT1	cg14258555	0.0147577591977091	395	0.283902083465212	0.776644220853007	0.000217791456537568	0.876414466869344
STAD	PRMT1	cg14576628	-0.0773804905589788	443	-1.57728667377689	0.115495194318128	0.0059877403191482	0.263672080829988
STAD	PRMT1	cg18880319	0.0997268971927897	395	1.92789602521711	0.054633101623218	0.00994545402370125	0.153928778663454
STAD	PRMT1	cg22292364	0.190782192617547	395	3.73843484924539	0.0002144616780194	0.0363978450199588	0.00183945223592516
STAD	PRMT1	cg24228123	0.0531343877414578	395	1.0235061899635	0.306737276641652	0.00282326316065958	0.505193710019492
STAD	PRMT1	cg25595446	-0.0365388966456374	443	-0.743054313768915	0.45787124881945	0.00133509096808057	0.647971401842067
STAD	PRMT1	cg26846726	0.217732849501	395	4.29112593946832	2.2725546314763e-05	0.047407593751825	0.000267865325759192
STAD	PRMT2	cg04493422	0.136039257965613	395	2.64132256916179	0.00860845915356288	0.0185066797078347	0.038007177718063
STAD	PRMT2	cg06725035	-0.224000527780463	443	-4.67092132147985	4.06247543498744e-06	0.050176236445926	5.92382781610896e-05
STAD	PRMT2	cg09031657	-0.120738730330989	395	-2.33957140497828	0.0198370956076679	0.0145778410019394	0.0723457416765702
STAD	PRMT2	cg10187059	0.0201436686950959	395	0.387549839282077	0.698572037337308	0.000405767388497788	0.827114225505579
STAD	PRMT2	cg10657630	-0.0110971446000988	395	-0.213470982890312	0.831077196887412	0.000123146618275501	0.909475853233447
STAD	PRMT2	cg12162201	-0.0762416829356262	395	-1.4708190672902	0.142189961856173	0.00581279421685656	0.304515509776714
STAD	PRMT2	cg13271076	-0.0189572084354741	443	-0.385325244369316	0.700194836674332	0.000359375751666012	0.828282188371254
STAD	PRMT2	cg17243659	-0.0694119473532383	395	-1.33839356118433	0.181590025317415	0.00481801843536872	0.358989973051332
STAD	PRMT2	cg23283320	-0.165437267809034	395	-3.22671246462134	0.00136385570518907	0.027369489580118	0.00868958155032583
STAD	PRMT3	cg01769160	0.0345143053618875	395	0.664291701678653	0.506917391207569	0.00119123727461362	0.689775087572399
STAD	PRMT3	cg04101203	0.0406271646477075	395	0.782124856451415	0.434641427954288	0.00165056650731193	0.628071170384158
STAD	PRMT3	cg06578097	-0.0922620881109365	395	-1.78229863520777	0.0755204593985564	0.00851229290259022	0.194857413856981
STAD	PRMT3	cg13432154	-0.224593522254279	395	-4.43340489936807	1.22427214853761e-05	0.0504422502385834	0.000156466284743445
STAD	PRMT3	cg13982511	-0.132568393802092	395	-2.57271107708584	0.0104796286372233	0.0175743790352664	0.0441990908215856
STAD	PRMT3	cg19653624	0.0463632848951409	395	0.892775642326366	0.372557607415274	0.002149554186268	0.571189895967045
STAD	PRMT3	cg23019633	-0.208192644184088	395	-4.09438222785608	5.20146821697606e-05	0.0433441770923621	0.000548929636865349
STAD	PRMT3	cg23071995	-0.233910198333451	395	-4.62773414836083	5.12210341954847e-06	0.0547139808843945	7.27133053686777e-05
STAD	PRMT6	cg00944433	-0.34617991652019	395	-7.09777207331323	6.51488416397979e-12	0.119840534601926	3.20365928351861e-10
STAD	PRMT6	cg02990361	-0.555497593602484	395	-12.8502422198392	1.67042053322226e-31	0.308577576498151	4.88528928426664e-29
STAD	PRMT6	cg02993280	-0.519688977458506	395	-11.7005353822826	4.02713683486304e-27	0.270076633291867	9.46486655381678e-25
STAD	PRMT6	cg09367891	-0.51879506944513	395	-11.6729890573297	5.1032405011783e-27	0.269148324080577	1.19219667131731e-24
STAD	PRMT6	cg14671364	-0.534098260315102	395	-12.1520142639766	8.0229876903382e-29	0.285260951671618	2.08742576716445e-26
STAD	PRMT6	cg14828511	-0.490550272686928	395	-10.8283030618819	6.39920258119222e-24	0.24063957003322	1.15771992000295e-21
STAD	PRMT6	cg22528358	-0.0582712731266831	394	-1.12125986470731	0.262906417993475	0.0033955412718045	0.458279188002967

STAD	PRMT7	cg00894222	-0.269057602805259	395	-5.37358207126743	1.36860012344555e-07	0.0723919936273123	2.88846657632455e-06
STAD	PRMT7	cg02477175	-0.253202400821506	395	-5.03450313522753	7.49736899051309e-07	0.0641114557817745	1.32166400010871e-05
STAD	PRMT7	cg06089844	-0.0762871154942978	395	-1.47170066016902	0.141951741156213	0.00581972399044032	0.30419687142439
STAD	PRMT7	cg06092312	0.113075706464823	395	2.18909467420145	0.0292142323685982	0.0127861153925188	0.0968215393380791
STAD	PRMT7	cg06745885	-0.275259236872695	395	-5.50747050685444	6.8247479909041e-08	0.0757676474837382	1.53980407541878e-06
STAD	PRMT7	cg09175928	-0.226237723909489	395	-4.46760504220747	1.05254063200215e-05	0.0511835077197462	0.000137108750713288
STAD	PRMT7	cg09779635	-0.0648158980882211	395	-1.24938585303054	0.212313758077892	0.00420110064498266	0.398532353368752
STAD	PRMT7	cg10233539	-0.00708134044159504	395	-0.13621571840299	0.8917248313271	5.01453824497694e-05	0.942641068706659
STAD	PRMT7	cg10446007	-0.0695611508824745	395	-1.34128446063059	0.180650831072978	0.00483875371209438	0.357770456781693
STAD	PRMT7	cg11893236	0.0422455221317537	443	0.859297589317654	0.390674832878129	0.00178468414018449	0.587908206376648
STAD	PRMT7	cg19328639	-0.0227635659473773	395	-0.437979424389803	0.661656773541631	0.000518179934640594	0.80308467077115
STAD	PRMT7	cg21918026	-0.109650054052808	443	-2.24187032443678	0.0254999780570144	0.0120231343537838	0.0874744374710018
STAD	PRMT7	cg26492318	-0.0536133092333099	395	-1.03275793500276	0.302391759641686	0.00287438692694651	0.500761320424151
STAD	PRMT7	cg26561196	0.260086671389483	395	5.18117575199565	3.63193027160668e-07	0.0676450766344607	6.90981617875691e-06
STAD	PRMT7	cg26796563	0.136039300373428	395	2.6413234080725	0.00860843823821985	0.0185066912460918	0.038007177718063
STAD	PRMT8	cg01693063	-0.0964339785309703	395	-1.86363028019761	0.063165587908459	0.00929951221531164	0.170909787143783
STAD	PRMT8	cg06029846	-0.0945042042737299	395	-1.82599698267493	0.0686565013438266	0.00893104462541087	0.181743019788405
STAD	PRMT8	cg07912789	-0.125975338089348	395	-2.44264363993112	0.0150472307462394	0.0158697858067255	0.0585233610975377
STAD	PRMT8	cg10350722	0.101262568324363	395	1.95788845837367	0.0509943030428709	0.0102541077436462	0.146380237294458
STAD	PRMT8	cg11596580	-0.131240273226895	395	-2.54648263430785	0.0112858897218087	0.0172240093166701	0.0468527939067391
STAD	PRMT8	cg19656577	-0.140047679376849	395	-2.7206838900618	0.00682229026859832	0.0196133524988406	0.0317462166021855
STAD	PRMT8	cg21667836	0.33775030434039	443	7.29243156019046	1.56592563379043e-12	0.114075268082026	8.64582106139766e-11
STAD	PRMT8	cg23739862	-0.13802477093082	443	-2.8321014769059	0.00485060830363965	0.0190508373905054	0.0241977017995779
STAD	PRMT8	cg24100636	-0.130863723323764	395	-2.53904886857814	0.0115242453888257	0.0171253140821585	0.0476389364885651
STAD	PRMT8	cg27316886	-0.177945137709522	395	-3.47835620563303	0.000564567432220158	0.0316644720344608	0.00415279489619279
STAD	PWWP2E	cg00259755	-0.1152786303543	443	-2.35846200770081	0.0188159436073138	0.0132891626163633	0.0694683459250803
STAD	PWWP2E	cg05010219	-0.0894022598477414	395	-1.72660080379182	0.0850740625910064	0.00799276406588307	0.212158679091811
STAD	PWWP2E	cg15012692	-0.112938817757129	395	-2.18641031027819	0.029411492360779	0.0127551765563779	0.0972598357795726
STAD	PWWP2E	cg15278699	-0.397844032801764	394	-8.32994580665738	1.60636740135818e-15	0.158279874435971	1.33653203873003e-13
STAD	PWWP2E	cg17803807	-0.19818158239071	48	-1.29466046578934	0.202681430704529	0.0392759395988857	0.386417979125284
STAD	PWWP2E	cg19919881	-0.263663944178388	395	-5.25772389814286	2.47163998669954e-07	0.0695186754597042	4.89508047671343e-06
STAD	PWWP2E	cg22633292	-0.111362483297719	395	-2.15550770993174	0.0317664928682504	0.0124016026862347	0.102968439424695
STAD	PWWP2E	cg22664157	-0.118798486346116	395	-2.30143236836426	0.0219222575994824	0.0141130803581284	0.0780512635100292
STAD	PWWP2E	cg24520806	-0.10491155928589	395	-2.02921222993393	0.043152110977364	0.0110064352717969	0.129448013009411
STAD	PYGO1	cg06364757	-0.496219721963232	395	-10.9940223301056	1.61111859661698e-24	0.246234012465268	3.15706196738593e-22
STAD	PYGO1	cg09275667	-0.442377241219765	395	-9.48820287236675	2.94889972616744e-19	0.19569762354921	3.65297301429092e-17
STAD	PYGO1	cg11480800	-0.456016097708301	395	-9.8560959681711	1.67258546288676e-20	0.207950681369107	2.31937813725157e-18
STAD	PYGO1	cg12686317	-0.408503955359313	395	-8.60879111444636	2.14801860272113e-16	0.166875481544203	1.99169200453025e-14
STAD	PYGO1	cg13878116	-0.0199510148445369	394	-0.383322777203269	0.701701194733126	0.000398042993326933	0.82915339241553
STAD	PYGO1	cg17841803	-0.436627560572396	395	-9.33559735092034	9.51640413993634e-19	0.190643626651402	1.11326187016873e-16
STAD	PYGO1	cg19850348	-0.399055785092598	443	-8.8445153863287	2.70082225878395e-17	0.15924551961587	2.7609430591306e-15
STAD	PYGO1	cg22510134	0.0269285161098213	395	0.518168257209787	0.604650586387527	0.000725144979876907	0.763470609427395
STAD	PYGO1	cg23030278	-0.437052652685157	395	-9.34683107352203	8.73343104689422e-19	0.191015021219133	1.0309689451625e-16
STAD	PYGO1	cg23412777	-0.243172928296178	443	-5.09478837422359	5.32181973221035e-07	0.0591330730561381	9.77350434956497e-06
STAD	PYGO1	cg25902187	-0.446758939262546	395	-9.6054744967617	1.1895077620359e-19	0.199593549810995	1.54227611399702e-17
STAD	PYGO2	cg01277844	0.00878693953457952	443	0.178578606775908	0.858356159305436	7.72103063843565e-05	0.924683003092162
STAD	PYGO2	cg02341811	-0.134614643922676	395	-2.61314919256792	0.00933713275545336	0.0181211023584289	0.0404034328226643
STAD	PYGO2	cg04602755	-0.170497128224564	395	-3.32831028593461	0.000961459511663536	0.0290692707328236	0.00649776572412068
STAD	PYGO2	cg10892866	-0.0239913348843654	443	-0.487701915379939	0.626019782327951	0.000575584149533769	0.778748308144309
STAD	PYGO2	cg14024356	0.0935045992622147	395	1.80651148024868	0.0716508336744442	0.00874311008318737	0.187544327407211
STAD	PYGO2	cg18188585	-0.0839870965878014	395	-1.6212521989413	0.105815390747673	0.00705383239324868	0.247975735264023
STAD	PYGO2	cg24683561	-0.0538797166159492	395	-1.03790466821507	0.299992240863778	0.00290302386261499	0.498272655929217
STAD	PYGO2	cg27105205	-0.0129585506180406	395	-0.249283629255703	0.803279720547428	0.00016792403412032	0.892821216428543
STAD	RBBP4	cg05797186	-0.227656244387006	395	-4.49714324064038	9.23030508204006e-06	0.0518273656083961	0.000122057173814759
STAD	RBBP4	cg06526778	-0.0929155143540484	395	-1.79503091400719	0.0734647955222017	0.00863329280767738	0.191026148233644
STAD	RBBP4	cg09036220	0.0265439507983783	395	0.510763056882589	0.609821586458706	0.00070458132398673	0.767184599640089
STAD	RBBP4	cg11229946	-0.137727286687144	395	-2.67472689808918	0.00781090798998136	0.0189688054982027	0.0352869788718124

STAD	RBBP4	cg13641837	0.0836344431623752	391	1.60783849735498	0.108730469288199	0.00699472008308056	0.25286473133258
STAD	RBBP4	cg16148416	-0.181781954072626	395	-3.55589088419576	0.000425588384837943	0.0330446788264624	0.00327124027369657
STAD	RBBP4	cg16396527	-0.178143983944447	395	-3.48237044484261	0.000556437135619745	0.0317352790155995	0.00410502328386936
STAD	RBBP4	cg18758482	-0.0471335230191933	443	-0.958932134934754	0.338153962240629	0.00222156899220082	0.537588370837199
STAD	RBBP4	cg20740619	-0.0884322092307524	395	-1.70771800969687	0.0885274978456314	0.00782025562943157	0.218359129259655
STAD	RBBP4	cg22358606	0.0236416918577251	393	0.453653082089601	0.650345944483969	0.000558929593895625	0.795465490186616
STAD	RBBP4	cg22857567	-0.0787911804340949	395	-1.52030502809437	0.129288397891702	0.00620805011419809	0.285076145488048
STAD	RBBP4	cg23016766	-0.167816037842358	395	-3.27444301371485	0.0011585399201593	0.028162225571076	0.00759095886034469
STAD	RBBP4	cg26131911	-0.0934335122272992	443	-1.90713606875634	0.0571964736353687	0.00872982120712886	0.159001499185162
STAD	RBBP5	cg00960017	-0.256527064005977	395	-5.10523275631253	5.29692764846502e-07	0.0658061345675265	9.73008711888283e-06
STAD	RBBP5	cg02189925	0.0527941528664946	395	1.01693400620731	0.309849323764308	0.0027872225768908	0.508574949213448
STAD	RBBP5	cg03143531	-0.274592638312616	395	-5.4930438972206	7.36090561534415e-08	0.0754011170154829	1.64786846457578e-06
STAD	RBBP5	cg05290904	-0.229561688880629	443	-4.79325286289382	2.29348311140168e-06	0.0526985690017269	3.56410757427851e-05
STAD	RBBP5	cg07601985	0.152143929478715	395	2.961018056969	0.00326401264097548	0.0231477752772242	0.0176252757270678
STAD	RBBP5	cg07972983	-0.0451381837552474	395	-0.869136165023543	0.385336094050992	0.00203745563272248	0.583399881295425
STAD	RBBP5	cg14717946	0.0526107911628086	443	1.07066038240371	0.284947453453075	0.00276789534677666	0.482147254957555
STAD	RBBP5	cg18131828	-0.193690310126404	395	-3.79762417038204	0.00017069825579612	0.0375159362368624	0.00152076272462247
STAD	RBBP5	cg21214746	-0.219973194190426	395	-4.33751225940862	1.86088683697708e-05	0.0483882061623387	0.000225246352257344
STAD	RBBP5	cg23227967	-0.0228595878656473	395	-0.439827885500616	0.660318563511801	0.00052256075738725	0.802379376324254
STAD	RBBP5	cg24103461	-0.078997463615951	395	-1.52431030121108	0.128285466581064	0.0062405992577535	0.283429598341634
STAD	RBBP5	cg26795850	-0.209083735398898	395	-4.11270604622048	4.82189641251251e-05	0.0437160084083563	0.000514066889838287
STAD	RBBP7	cg01947226	0.0631659362530596	393	1.21415737888626	0.225466218932147	0.00398993550272559	0.414871068537004
STAD	RBBP7	cg03048084	-0.148314986022444	395	-2.88480112081154	0.00414592049764647	0.0219973350788378	0.0213608675537393
STAD	RBBP7	cg03171708	0.0534065798325494	395	1.02876427519085	0.304262500265361	0.00285226276941047	0.502861778956879
STAD	RBBP7	cg03811055	-0.140713913107217	395	-2.73388752472744	0.00655993000761295	0.0198004053419455	0.0307664553573426
STAD	RBBP7	cg07096248	-0.118706219238584	395	-2.29961935973797	0.0220259794247801	0.0140911664859188	0.0783309276969758
STAD	RBBP7	cg08363715	-0.12897209192009	395	-2.50172154006534	0.0127902126738151	0.0166338004942441	0.0517099297626703
STAD	RBBP7	cg14719055	0.00220342219825382	443	0.0447789391416407	0.964305154826122	4.85506938375769e-06	0.981283424217028
STAD	RBBP7	cg15289846	-0.0649712302450646	395	-1.25239270026181	0.211217828525134	0.0042212607595572	0.397125864082664
STAD	RBBP7	cg15464143	0.0224565555090063	395	0.432069429290397	0.665942637630371	0.000504296885329082	0.806155490546846
STAD	RBBP7	cg16978043	-0.126140097521359	395	-2.4458899204483	0.014914618138503	0.0159113242026979	0.0581160519360702
STAD	RBBP7	cg17878446	0.0604129807069663	395	1.16419332283371	0.24509580018057	0.00364972823790028	0.437952170164007
STAD	RBBP7	cg17880859	-0.0748966953461583	443	-1.52636782100612	0.127683713855771	0.00560951497377525	0.282581628849701
STAD	RBBP7	cg21122900	0.00825345890293358	395	0.158763859391257	0.873941543560865	6.81195838624135e-05	0.933249378291058
STAD	RING1	cg01241018	0.0174842156284891	395	0.336367019889238	0.736784799842282	0.000305697796143502	0.851568927980827
STAD	RING1	cg01878788	-0.0573252833804498	395	-1.10449011679722	0.27009832572843	0.00328618811464888	0.466146711148226
STAD	RING1	cg02475416	-0.0592588915666461	395	-1.14187421358135	0.254244737804188	0.00351161622970752	0.448394388690656
STAD	RING1	cg03037740	-0.0304489755919352	395	-0.585969440673319	0.558253314272327	0.000927140114598267	0.729324746616048
STAD	RING1	cg06316695	-0.0317513280206824	395	-0.611057084248386	0.541536996457178	0.00100814683107697	0.716480367053686
STAD	RING1	cg06671577	-0.0109613312401473	395	-0.210858083993852	0.833114091994536	0.000120150782556229	0.910498781825767
STAD	RING1	cg07946923	0.0107971136065669	395	0.207698733849091	0.835578477078469	0.000116577662233113	0.911900341537848
STAD	RING1	cg08892712	0.0474793114824044	395	0.914313934901496	0.361147347087318	0.00225428501884318	0.560015997655856
STAD	RING1	cg09478665	-0.0662780324030057	395	-1.27769280694317	0.202158829118333	0.00439277757921388	0.385656580476501
STAD	RING1	cg09724776	0.156235626027018	395	3.04261616597524	0.00251276670986633	0.0244095708400543	0.0142987472333656
STAD	RING1	cg09832551	0.178005717670386	395	3.47957912635504	0.000562078881647905	0.0316860355233492	0.00413840285055055
STAD	RING1	cg09869033	0.233714502762022	395	4.62363866211193	5.2186724394757e-06	0.0546224688012994	7.38954138617715e-05
STAD	RING1	cg10265934	-0.0412157484384796	395	-0.793474990091	0.428009682103632	0.00169873791934404	0.622273028511063
STAD	RING1	cg12065531	-0.1146074589736	395	-2.21914072578012	0.0270831586906409	0.0131348696523854	0.0914694472162769
STAD	RING1	cg12115664	0.11584068793956	395	2.24334274036546	0.025465856433466	0.0134190649823104	0.0873997809760909
STAD	RING1	cg12256228	-0.0352941028410207	443	-0.717708080483225	0.473343054614277	0.00124567369535255	0.661396490178053
STAD	RING1	cg14046664	-0.0761537293461418	395	-1.469112404251	0.14265200571377	0.00579939049332541	0.305210949738642
STAD	RING1	cg14363494	-0.135409078544513	443	-2.77741829476517	0.00572888627910069	0.0183356185522741	0.0276403484989059
STAD	RING1	cg18189601	-0.177313815371178	443	-3.66146071165922	0.00028334833598664	0.0314401891214843	0.00233035209321754
STAD	RING1	cg20505183	0.0110164722519529	395	0.211918934684151	0.832286965410571	0.000121362660878048	0.910027197093226
STAD	RING1	cg24536938	0.138948928142377	395	2.69891670894699	0.00727553665143306	0.0193068046319155	0.0333919232012734
STAD	RING1	cg24550302	-0.0451337857606363	395	-0.869051308729079	0.385382442854354	0.00203705861708701	0.58341328246695
STAD	RNF17	cg00202166	-0.682946448349716	395	-17.9839900314276	2.062403640907e-52	0.466415851313491	1.33702190700599e-49

STAD	RNF17	cg01405147	-0.308899964386931	395	-6.24733845184667	1.14828663313419e-09	0.0954191879982469	3.76125517212804e-08
STAD	RNF17	cg07131398	-0.309325942554522	395	-6.25686448227122	1.08664523488826e-09	0.0956825387372435	3.56986821802775e-08
STAD	RNF17	cg12020676	-0.244208571757379	395	-4.84411215967106	1.87328889753549e-06	0.0596378265197787	2.9791684961899e-05
STAD	RNF17	cg14855529	-0.204553938744889	395	-4.01966827796012	7.06411389221915e-05	0.0418423138560477	0.000715274861553164
STAD	RNF17	cg15523998	-0.487932980337507	395	-10.7524132698677	1.19924669300685e-23	0.238078593301042	2.13000450309988e-21
STAD	RNF17	cg17806989	-0.754518545984793	443	-23.3645069022401	1.48840916446942e-77	0.569298236235006	2.27037848119086e-74
STAD	RNF17	cg20477497	-0.261221511823687	395	-5.2054346097741	3.21645704363155e-07	0.0682366782394527	6.1966582281395e-06
STAD	RNF17	cg21831927	-0.487768573142391	395	-10.7476589560433	1.24728410961255e-23	0.237918180945364	2.21027836043732e-21
STAD	RNF17	cg23678722	-0.28647743273148	395	-5.75156901275371	1.85388440417519e-08	0.0820693194644197	4.79777389681985e-07
STAD	RNF17	cg24753530	-0.300155765461854	395	-6.05270021443529	3.4955685873457e-09	0.0900934835399914	1.04269272501523e-07
STAD	RNF20	cg04845236	-0.0908653177540335	395	-1.75508975700875	0.0800715529180249	0.00825650597054147	0.203199686436302
STAD	RNF20	cg14625770	0.0199601991676782	395	0.384018602898222	0.701185248352302	0.000398409550813383	0.828808101653407
STAD	RNF20	cg21219529	-0.0998295971376023	395	-1.92990137035946	0.054383199757002	0.00996594846465598	0.153408029657561
STAD	RNF217	cg00991794	-0.478021746942635	395	-10.4684383526931	1.23279208055349e-22	0.228504790550089	2.04485727099314e-20
STAD	RNF217	cg02312409	-0.491529422685121	395	-10.8567929484026	5.05208964790071e-24	0.241601173365169	9.24758263691266e-22
STAD	RNF217	cg03113502	-0.364678203937207	395	-7.53353246446373	3.82624529497812e-13	0.132990192426867	2.29498015788379e-11
STAD	RNF217	cg06993703	-0.466375063796758	395	-10.1413458149592	1.73270896794032e-21	0.21750570013143	2.60220775003763e-19
STAD	RNF217	cg07439975	-0.460782554196898	395	-9.98670302914011	5.94949483195259e-21	0.212320562252218	8.55517561842735e-19
STAD	RNF217	cg10621825	-0.515239995906348	395	-11.563932492342	1.29981539932821e-26	0.265472253381573	2.95666196419119e-24
STAD	RNF217	cg16203203	-0.53851997139896	395	-12.293474693959	2.32220255371394e-29	0.290003759595536	6.16564592026015e-27
STAD	RNF217	cg17382198	-0.503233055299475	395	-11.2016118299729	2.82173100836519e-25	0.253243507946044	5.8419076696788e-23
STAD	RNF217	cg18192252	-0.468721518589248	395	-10.20668971198	1.02562825399371e-21	0.219699861988611	1.57062449588951e-19
STAD	RNF217	cg19171596	-0.471488013838379	395	-10.2840868020156	5.49822628207466e-22	0.222300947193259	8.68503320124937e-20
STAD	RNF217	cg19478500	-0.496829535451915	395	-11.0119574717139	1.38685383897743e-24	0.246839587297366	2.75930709845038e-22
STAD	RNF217	cg20034100	0.423465820906467	435	9.45352910547783	2.58512029869277e-19	0.179323301475988	3.22803930203058e-17
STAD	RNF217	cg23521835	-0.535458758287112	395	-12.1953894116567	5.48923860012149e-29	0.286716081826376	1.44755873782323e-26
STAD	RNF217	cg24822696	-0.434723242588882	395	-9.28536737181469	1.3959585419281e-18	0.188984297646992	1.60172859602883e-16
STAD	RPA3	cg26322315	-0.197377763566711	48	-1.28919604363279	0.204556076584302	0.0389579815505964	0.388715506907988
STAD	RPH3A	cg00851732	0.0945169565556906	395	1.82624560135268	0.0686189737493088	0.00893345507655031	0.181674588838911
STAD	RPH3A	cg00854817	0.0114358352606104	395	0.219987068544695	0.826002547668656	0.000130778328107821	0.906415175084639
STAD	RPH3A	cg01119407	0.0317355637785071	395	0.610753394092927	0.541737840417503	0.00100714600833969	0.716573591195474
STAD	RPH3A	cg01573562	0.0480323127014355	443	0.977259911098369	0.329012568819759	0.00230710306344848	0.528700295342977
STAD	RPH3A	cg05967001	0.0351353822913105	395	0.676260121331539	0.499298005102511	0.00123449508875653	0.68350793638602
STAD	RPH3A	cg08254200	0.0790144698338308	395	1.52464050922313	0.128203053302769	0.00624328644312136	0.283344081611284
STAD	RPH3A	cg09384610	0.0109343672277352	395	0.210339327598373	0.833518624807142	0.000119560386670969	0.910699960650086
STAD	RPH3A	cg11596863	-0.0192723223943174	395	-0.370779387296965	0.711014042676322	0.000371422410470509	0.835487681045886
STAD	RPH3A	cg16403344	0.0338661404193544	395	0.651802105846345	0.514933508464811	0.00114691546690343	0.696402179382085
STAD	RPH3A	cg17453780	-0.0227586679962874	395	-0.437885137158105	0.661725062777464	0.000517956968965235	0.803126538167064
STAD	RPH3A	cg18629535	0.0202088847019451	395	0.388805060610729	0.697644000898095	0.000408399020896512	0.82664449090484
STAD	RPH3A	cg19712198	0.014046658727539	395	0.270219535044517	0.787142022336788	0.000197308621407947	0.882742850161008
STAD	RPH3A	cg20704159	0.0288671964441692	395	0.555503113172909	0.578886292982893	0.000833315030546257	0.745051291713176
STAD	RPH3A	cg21900624	0.0248685072993465	395	0.478503275245263	0.632574665168009	0.000618442655297652	0.783441759841521
STAD	RPH3A	cg23199238	0.0610426109589352	366	1.12933018489359	0.259552380666792	0.00372620035268392	0.454448873570084
STAD	RPH3A	cg23549179	0.0653264447113649	395	1.25926911968229	0.208726974340223	0.00426754437862702	0.393943879424852
STAD	RPH3A	cg23596620	0.0350833794234013	395	0.675257973792057	0.499933645117207	0.00123084351176634	0.683967220269207
STAD	RTF1	cg04910470	-0.127081072890043	395	-2.46443405385519	0.0141767177349701	0.0161495990868844	0.0558666521186499
STAD	RTF1	cg07091958	0.142823975649389	443	2.93259077920494	0.00354855780789112	0.0203986880202972	0.0188550308112207
STAD	RTF1	cg07129439	-0.0515771410859791	395	-0.993428357327951	0.321150473951829	0.002660201482603	0.520545472874437
STAD	RTF1	cg15581235	0.143655244296947	395	2.79222533269257	0.0055064589903546	0.0206368292140155	0.0267864851610584
STAD	RTF1	cg18782716	-0.0622431963062595	395	-1.19959779139497	0.231063182204294	0.00387421548641956	0.421514989108912
STAD	RTF1	cg22263512	-0.149146190427837	395	-2.90133523452385	0.00393796570633153	0.0222445861191366	0.0205149738269842
STAD	RTF1	cg24280607	-0.0280632408872562	395	-0.540019903484497	0.589508176352583	0.000787545489096166	0.752652457704518
STAD	RTF1	cg27576415	-0.0374654242857569	395	-0.721168139625844	0.471261499593304	0.00140365801691178	0.659595377015071
STAD	SATB1	cg01069104	-0.328567608010815	395	-6.69164100449783	8.18760738564174e-11	0.107956673033949	3.32435662295727e-09
STAD	SATB1	cg01373248	0.302068591504478	395	6.09513219889774	2.7486711140907e-09	0.0912454339734993	8.37564123186729e-08
STAD	SATB1	cg04004754	-0.253267428818295	395	-5.03588471670708	7.44693971061149e-07	0.0641443905002299	1.31396513460492e-05
STAD	SATB1	cg14415616	-0.337742913712575	395	-6.90219891633591	2.23453028281217e-11	0.11407027576306	9.92267842806071e-10

STAD	SATB1	cg19818826	-0.290412697074942	395	-5.8378002452373	1.15755206835918e-08	0.0843395346223419	3.12703537301286e-07
STAD	SATB1	cg26131754	-0.310421625708157	395	-6.28138609297524	9.42488520940955e-10	0.0963615857072952	3.13199282349768e-08
STAD	SATB1	cg26768584	0.198643703851949	395	3.89868175260002	0.000114828997612973	0.0394593210800208	0.00108462931523842
STAD	SCML2	cg00457389	-0.157748032309423	395	-3.07281751652288	0.00227760493357741	0.0248844416974947	0.0132059326379012
STAD	SCML2	cg04189389	-0.16422632451528	395	-3.20243691851275	0.00148075257503819	0.0269702856637979	0.00930181410065577
STAD	SCML2	cg05049545	-0.139705158877696	395	-2.71389717678147	0.00696079539134159	0.0195175314170423	0.0322671979903485
STAD	SCML2	cg06131666	-0.188346845276902	395	-3.68894655363546	0.000258967068571591	0.0354745341257612	0.00215581424638399
STAD	SCML2	cg08300622	-0.127251464092996	443	-2.6072510147377	0.0094577724692188	0.016192935113811	0.0407842271947014
STAD	SCML2	cg17710066	-0.0570907617230712	395	-1.09995676599465	0.272066098441738	0.00325935507412049	0.468461931433744
STAD	SCML2	cg17727916	-0.192067044770509	395	-3.76457291843856	0.000193970282440039	0.0368897496868768	0.0016916731112265
STAD	SCML2	cg22823767	-0.155544078459534	395	-3.02881392544619	0.00262749257381501	0.0241939603438257	0.014811822991838
STAD	SCML2	cg26246138	-0.11099016074956	443	-2.26960937153343	0.0237461254605521	0.0123188157832132	0.082954717961451
STAD	SCML4	cg00977377	0.0876251967760299	395	1.69201261508314	0.0914854826432048	0.00767817511003795	0.223440337710206
STAD	SCML4	cg03500965	-0.103246423022876	391	-1.98583304974822	0.0477975753530023	0.0106598238670187	0.13959369929476
STAD	SCML4	cg05603896	-0.123083129198333	395	-2.38569118902032	0.0175494654236352	0.0151494566932535	0.065852122502532
STAD	SCML4	cg08792995	-0.0266089750848598	395	-0.512015150318929	0.608945873289126	0.00070803755506669	0.76660093453454
STAD	SCML4	cg17388996	0.0273114185675668	395	0.525541666314398	0.599521500803915	0.000745913584172832	0.759719427163052
STAD	SCML4	cg23503775	-0.060171256144178	395	-1.15951818903193	0.246992743981149	0.00362058006596827	0.440206041954443
STAD	SCML4	cg27353361	0.0612071546078634	395	1.17955469162801	0.238935244639426	0.00374631577519089	0.43071017752988
STAD	SCML4	cg27659622	-0.0474835970881234	395	-0.914396649735183	0.361103956081648	0.00225469199242724	0.559986467844428
STAD	SETD1A	cg26692825	-0.136241834471019	395	-2.64533010315888	0.00850906388687153	0.0185618374600286	0.0376781910046722
STAD	SETD6	cg01152986	-0.312284899970267	395	-6.32315024565781	7.38885641288461e-10	0.0975218587494397	2.50352219418095e-08
STAD	SETD6	cg01472538	-0.3252745057161	395	-6.61659276618607	1.29131031479382e-10	0.105803504068853	5.05567159683295e-09
STAD	SETD6	cg01773760	-0.3353455055669	395	-6.84697204521691	3.15032985935138e-11	0.11245660810392	1.36565143115534e-09
STAD	SETD6	cg02549819	-0.32096723051739	386	-6.43906645212086	3.83581414394039e-10	0.103019963066003	1.36694148196839e-08
STAD	SETD6	cg05502081	-0.406427995969237	395	-8.5563594701207	3.14172171488807e-16	0.16518371590757	2.84856758843826e-14
STAD	SETD6	cg09132913	-0.393593903600331	395	-8.23567740448877	3.11034139113549e-15	0.154916160951347	2.50223265958629e-13
STAD	SETD6	cg19824325	-0.359585832086219	443	-7.83147952774099	4.10930215440033e-14	0.129301970637138	2.85938328979803e-12
STAD	SETD6	cg26666090	-0.393391594580214	395	-8.23066893482238	3.22225290493447e-15	0.154756946686364	2.58158540150847e-13
STAD	SETD7	cg05316864	0.048707253222982	395	0.938016056054412	0.34884805055882	0.00237239651652769	0.547966571249008
STAD	SETDB1	cg02060408	-0.38408919550262	395	-8.00187940690216	1.59500358988566e-14	0.14752451010185	1.16947888097611e-12
STAD	SETDB1	cg08531528	-0.0834679844068873	395	-1.61116094855579	0.107997338374115	0.00696690442094838	0.251693976676928
STAD	SETDB1	cg10589385	-0.338184266456346	395	-6.91238242547207	2.09693097308314e-11	0.114368598078617	9.3438616365346e-10
STAD	SETDB1	cg10961700	-0.161572202655103	395	-3.14928212466119	0.00176978566359124	0.0261055766708217	0.0107628756967962
STAD	SETDB1	cg12082615	-0.115729285039195	443	-2.36780677333596	0.0183537505004967	0.0133932674156832	0.0681337882437315
STAD	SETDB1	cg15448220	-0.441793864648725	395	-9.47265353286323	3.32450581539835e-19	0.195181818841256	4.10518421274761e-17
STAD	SETDB1	cg16370685	-0.240117741070192	395	-4.75795684076491	2.8085606790643e-06	0.0576565295766518	4.26717224742976e-05
STAD	SETDB1	cg17899625	-0.145893544651386	395	-2.83666989462609	0.00480949633892317	0.021284926370946	0.0240425368326815
STAD	SETDB1	cg17918089	0.026773905364014	443	0.544305178117339	0.58652522457969	0.000716842008441176	0.750613060550005
STAD	SETDB1	cg19689029	-0.348432281094017	395	-7.15031041158807	4.65867341339015e-12	0.12140505450838	2.35641638180282e-10
STAD	SETDB1	cg26820223	-0.198039519161565	395	-3.88633889748753	0.000120581134126201	0.0392196511497438	0.0011309969554152
STAD	SETMAR	cg00300090	-0.0773920894228382	395	-1.49314490144688	0.136251475869416	0.00598953550523259	0.29563081702977
STAD	SETMAR	cg02520519	-0.00792784484850146	395	-0.152499932883163	0.878875768575506	6.28507239419111e-05	0.935682576406002
STAD	SETMAR	cg06021447	-0.0298000170695	395	-0.573469462134553	0.566675257462885	0.00088804101734249	0.735627262820893
STAD	SETMAR	cg06267913	-0.133378213707958	395	-2.58871075092621	0.0100134463812067	0.0177897478919256	0.0426755885692902
STAD	SETMAR	cg14751177	-0.0932889521910533	395	-1.80230855315492	0.0723105854973237	0.00870282860090462	0.188756784382887
STAD	SETMAR	cg14961031	-0.116301650468498	395	-2.25239178467829	0.0248830698114622	0.0135260739016967	0.085899868334275
STAD	SETMAR	cg15232450	-0.0900995556047823	443	-1.83851702084375	0.0667041402511645	0.00811792992017925	0.177924974685379
STAD	SETMAR	cg15384599	-0.10774964777441	443	-2.20255473961726	0.0281779552274149	0.0116099865955095	0.0942544545281642
STAD	SETMAR	cg16423812	-0.154064456040988	395	-2.99929820501776	0.00288913128225005	0.0237358566152055	0.015974206039187
STAD	SETMAR	cg21901604	0.0235222162755635	395	0.452584087545014	0.651113506289252	0.000553294658514383	0.796028836894693
STAD	SETMAR	cg22149154	-0.14992240280271	395	-2.91678113937205	0.00375233662319386	0.0224767268621379	0.0197262653915896
STAD	SETMAR	cg23182840	-0.0567517797707809	395	-1.09340449934375	0.274927589376717	0.00322076450715122	0.471398253830659
STAD	SETMAR	cg23549342	-0.108393909078952	395	-2.09735604562999	0.0366401758820358	0.0117492395254161	0.114745041106249
STAD	SETMAR	cg24390964	-0.0536479556902769	395	-1.03342725853901	0.302078983305503	0.00287810314974591	0.500446790961907
STAD	SETMAR	cg26797270	-0.0599456058419502	395	-1.15515412823158	0.248772765181545	0.00359347565975845	0.442193220640066
STAD	SETMAR	cg27265118	-0.162625961869586	395	-3.17037756431981	0.00164935198703379	0.0264472034740081	0.0101633215384153

STAD	SFMBT2	cg09060610	-0.0656737487892111	395	-1.26599287065277	0.206312155200987	0.00431304128002841	0.390811527264672
STAD	SFMBT2	cg12328063	-0.359916785486443	395	-7.42042153324327	8.07878659002412e-13	0.129540092474894	4.64166265867309e-11
STAD	SFMBT2	cg20299663	-0.404017687103324	395	-8.49568233254134	4.86915588892606e-16	0.163230291492319	4.28496734415287e-14
STAD	SFMBT2	cg25291138	-0.362726488810206	395	-7.48708651493314	5.20557385152616e-13	0.131570505684581	3.07255244465574e-11
STAD	SHPRH	cg00571935	-0.200374886571305	395	-3.93407367135668	9.97418016941056e-05	0.0401500951684634	0.000961739429969169
STAD	SHPRH	cg02758840	-0.257890001720019	394	-5.12734114743629	4.75394252859026e-07	0.0665072529871512	8.80962851522512e-06
STAD	SHPRH	cg06708562	-0.266321550941536	395	-5.31474330043172	1.85013835212538e-07	0.0709271684959054	3.7846348400011e-06
STAD	SHPRH	cg11387577	-0.257454234189673	395	-5.12499202637463	4.80363631101472e-07	0.066282682702191	8.8932432931718e-06
STAD	SHPRH	cg11675148	-0.25369727673184	395	-5.0450190792627	7.12168639059383e-07	0.0643623082211519	1.26287775488912e-05
STAD	SHPRH	cg12989205	-0.25062482964292	395	-4.97979865767521	9.78237099661029e-07	0.0628128052335427	1.67956250123659e-05
STAD	SHPRH	cg14102550	-0.253833243876215	395	-5.04790907563253	7.0216733696912e-07	0.0644313156967221	1.24855784713545e-05
STAD	SHPRH	cg15443174	-0.266071022278751	395	-5.30936262400028	1.90160312901169e-07	0.0707937888964595	3.8786920246024e-06
STAD	SHPRH	cg16339435	-0.266268119206743	395	-5.31359563442188	1.86100078431399e-07	0.0708987113058961	3.80285513566909e-06
STAD	SHPRH	cg18099523	-0.227757243946506	395	-4.49924752785569	9.14412340191216e-06	0.0518733621701081	0.000121020404206933
STAD	SHPRH	cg26814539	-0.234743694718641	395	-4.64518410187163	4.72955984340504e-06	0.0551046022101585	6.77964581643361e-05
STAD	SHPRH	cg27398948	-0.252925372694069	395	-5.02861822655347	7.71589945381214e-07	0.0639712441524336	1.35711210063274e-05
STAD	SIN3A	cg01088093	-0.022838516084951	395	-0.439422244082095	0.660612138045275	0.000521597816962564	0.802531988181117
STAD	SIN3A	cg01664094	-0.0515353206758625	395	-0.992620707664685	0.321543524235946	0.00265588927716398	0.521019723482841
STAD	SIN3A	cg02028562	-0.0495395669186711	395	-0.954084056721677	0.340663988086095	0.00245416869048949	0.539947937697495
STAD	SIN3A	cg07544511	-0.0335157026453897	395	-0.645049807252895	0.519294669177542	0.00112330232381418	0.699896214379725
STAD	SIN3A	cg10483776	0.218636809519509	395	4.30983380426202	2.09701505597622e-05	0.0478020544768699	0.000249556660952447
STAD	SIN3A	cg11184237	-0.362262769751557	395	-7.47606787831312	5.59887307274084e-13	0.13123431434807	3.289718518284e-11
STAD	SIN3A	cg15851274	-0.242988913644748	395	-4.81839693581485	2.11528099301657e-06	0.059043612154255	3.31766470908732e-05
STAD	SIN3A	cg22059910	0.158014845029656	395	3.07814781341262	0.00223826558666117	0.0249686912497462	0.0130108072217529
STAD	SIN3A	cg25697800	-0.0442708643848126	395	-0.852402805020912	0.394541974523855	0.00195990943337847	0.591273326259079
STAD	SIN3B	cg06815056	-0.0752138961656744	395	-1.4508779026574	0.147661110835898	0.00565713017642085	0.312424827168778
STAD	SIRT1	cg02720207	-0.239361137939696	395	-4.74205198553357	3.02462923537264e-06	0.057293754355786	4.54594294313329e-05
STAD	SIRT1	cg03211233	-0.258681315619443	395	-5.15116613830914	4.21823619501413e-07	0.066916023050606	7.91876125856491e-06
STAD	SIRT1	cg07832903	-0.20728039036012	395	-4.07563427479695	5.61915517950943e-05	0.0429651602278435	0.000587118058108888
STAD	SIRT1	cg10582690	-0.155755577779257	395	-3.03303464558844	0.00259190910561704	0.024259800093501	0.0146451900757098
STAD	SIRT1	cg10705386	-0.260739180364688	395	-5.19512125374844	3.38713136701648e-07	0.0679849201772494	6.49170972076078e-06
STAD	SIRT1	cg19192316	0.0185959229403336	442	0.377521291600119	0.705980642842226	0.000345808350002826	0.832306032227326
STAD	SIRT1	cg19681528	-0.114200946559233	395	-2.21116523802733	0.0276352750390351	0.0130418561950249	0.092862450278031
STAD	SIRT1	cg19980381	-0.180622079479137	395	-3.532434526824	0.00046382135619201	0.0326243355953677	0.00352162000620742
STAD	SIRT1	cg25513531	-0.0697408847123528	395	-1.34476702136492	0.179524233868472	0.00486379100046168	0.356427742887576
STAD	SIRT4	cg04118464	-0.0875100440159176	395	-1.68977188379636	0.0919139347029428	0.00765800780366785	0.224198182556697
STAD	SIRT4	cg07106325	-0.0395049935170053	395	-0.760487379593735	0.447447648246883	0.00156064451277863	0.639056019896051
STAD	SIRT4	cg08264848	-0.0709477523702455	395	-1.36815497039319	0.172093834933188	0.00503358356638967	0.346483415130967
STAD	SIRT4	cg12124973	-0.0696806841267554	395	-1.34360054743456	0.179900998886002	0.00485539774037266	0.356920718863014
STAD	SIRT4	cg20010714	-0.0322026914361174	395	-0.619752566784722	0.535802164588223	0.00103701333572979	0.712114424204743
STAD	SIRT4	cg21068152	-0.0325711626081947	443	-0.662275632577101	0.508163973589078	0.00106088063364946	0.690764994874226
STAD	SIRT4	cg21123573	-0.105439472131492	442	-2.1521844116689	0.0319631364388626	0.0111174822833676	0.103465220015278
STAD	SIRT5	cg01064902	-0.0778152323851053	395	-1.50135830290648	0.134115797969486	0.00605521039114795	0.292350492805373
STAD	SIRT5	cg02206980	-0.102310966418329	395	-1.97837231119372	0.0486280410381963	0.0104675338494524	0.141334895932356
STAD	SIRT5	cg02712746	-0.144862685485483	395	-2.81619527094908	0.00511995844080443	0.0209851976460659	0.0252569465405162
STAD	SIRT5	cg06139021	0.102342891319941	395	1.9789961717216	0.0485574512183219	0.0104740674037253	0.141178321866084
STAD	SIRT5	cg07534331	-0.163182943902639	395	-3.18153240752026	0.00158877387717743	0.0266286731807317	0.00985937101157795
STAD	SIRT5	cg07909422	-0.0690547271631324	442	-1.40501181751828	0.160771290818201	0.00476855534357465	0.330760368072121
STAD	SIRT5	cg08619119	-0.154819866440113	395	-3.01436464368287	0.00275273164392532	0.0239691910445343	0.0153719047812452
STAD	SIRT5	cg10907941	-0.130313238245172	395	-2.52818332364096	0.0118807081250159	0.0169815400619431	0.0487781194784402
STAD	SIRT5	cg11824369	-0.127905597253158	395	-2.48068880371696	0.0135567091372346	0.016359841808687	0.0540448206734666
STAD	SIRT5	cg19366958	-0.0140897369573797	395	-0.271048407396619	0.786504950517633	0.000198520687528152	0.882307325775718
STAD	SIRT5	cg20150972	-0.0535581496830742	395	-1.03169233346424	0.302890163733563	0.00286847539747458	0.501239028035138
STAD	SIRT7	cg11691214	0.00368137732078416	395	0.0708131864920707	0.943584695391848	1.35525389779839e-05	0.969889291210307
STAD	SIRT7	cg12710567	-0.0433466042841127	387	-0.825501286060641	0.40963072752625	0.00187892810296346	0.605568151134999
STAD	SIRT7	cg17552093	0.139914077358907	443	2.871636471706	0.00429381767084746	0.0195759490431942	0.0219805995930648
STAD	SIRT7	cg20397086	-0.00280837777695743	381	-0.0529885748794862	0.957770732093661	7.88698573810837e-06	0.977716172169148

STAD	SMARCA	cg03460558	-0.366181539213719	395	-7.5693861186332	3.01418986219212e-13	0.134088919660928	1.8492577771244e-11
STAD	SMARCA	cg06675660	-0.291231720516658	395	-5.85578750137201	1.04851600785917e-08	0.0848159150350928	2.8590345010654e-07
STAD	SMARCA	cg08617833	-0.44269918906656	395	-9.4967904912096	2.75983286198333e-19	0.19598257200019	3.44068009078736e-17
STAD	SMARCA	cg12935118	-0.24927169910621	395	-4.95112614118631	1.12355222161508e-06	0.0621363799752968	1.8972351102306e-05
STAD	SMARCA	cg17420696	-0.302796125125886	395	-6.11129221248085	2.50736053014889e-09	0.091685493391251	7.70978676215029e-08
STAD	SMARCA	cg18959966	-0.378301701323872	395	-7.86098868048236	4.20641046699521e-14	0.143112177224536	2.92433865835054e-12
STAD	SMARCA	cg24447042	-0.510989329653346	443	-12.0808360546455	5.54743761137703e-29	0.261110095019576	1.45796405925495e-26
STAD	SMARCA	cg26010110	-0.424832107806675	395	-9.0269082977362	9.82810560206892e-18	0.180482319823462	1.05457606511359e-15
STAD	SMARCA	cg27353825	-0.0849802473889349	395	-1.64056220665762	0.101738115245097	0.00722164244628458	0.241199578076389
STAD	SMARCA	cg04518912	-0.0296629554508268	395	-0.570829529629549	0.568461722437591	0.000879890926077736	0.736943713035721
STAD	SMARCA	cg13529335	-0.150264104500599	395	-2.92358243272635	0.00367315986566929	0.022579301101367	0.0193715543752882
STAD	SMARCA	cg14290704	-0.0498313033388767	390	-0.95320993496668	0.34111453000395	0.00248315879245114	0.540373538876096
STAD	SMARCA	cg21210735	-0.229099038353838	395	-4.5272178692042	8.06942966293527e-06	0.0524863693746535	0.000108364096530017
STAD	SMARCA	cg08405378	-0.0822618580875156	395	-1.58771961288623	0.113203908957628	0.00676701329601056	0.260272635460743
STAD	SMARCA	cg17218495	0.0890604333223123	395	1.71994632078745	0.0862783902748455	0.00793176078355803	0.214370333887115
STAD	SMARCA	cg17747332	0.169672843296281	443	3.49889201240614	0.000517993826695399	0.0287888737522444	0.0038635485861881
STAD	SMARCA	cg18522266	-0.137625261959037	395	-2.67270726371392	0.00785717123249614	0.0189407127292936	0.0354321940096693
STAD	SMARCA	cg23892580	0.0425763940120341	395	0.819716598148639	0.412905401864694	0.00181274932706797	0.608489701124515
STAD	SMARCA	cg01278696	-0.0283685294838468	443	-0.576748766994646	0.564423395086808	0.000804773465075887	0.73414960285882
STAD	SMARCA	cg01575392	-0.122908171982616	395	-2.38224798314754	0.0177118584743309	0.0151064187401083	0.0663205775005823
STAD	SMARCA	cg02782292	-0.00745247734016701	395	-0.143355244837761	0.886087666796472	5.55394185057028e-05	0.939577123417838
STAD	SMARCA	cg05358385	-0.0951300720838638	395	-1.83819998334032	0.0668344037896078	0.00904973061468112	0.178205223759554
STAD	SMARCA	cg10878459	-0.160829310909753	395	-3.13441666237788	0.0018594724934886	0.0258660672477061	0.0112049421501512
STAD	SMARCA	cg12253543	-0.213424311199912	395	-4.20211704435789	3.31831995429026e-05	0.045549936611157	0.000372074636096939
STAD	SMARCA	cg13848802	-0.150841012849186	394	-2.931098765189	0.0035880127125006	0.0227530111573683	0.0190061159772892
STAD	SMARCA	cg13898584	-0.224294341098485	395	-4.42718609422838	1.25825660474521e-05	0.0503079514488037	0.000160309227496804
STAD	SMARCA	cg16091845	-0.0852789868714747	443	-1.73941028204174	0.0827076541004456	0.00727250560182516	0.207828393781778
STAD	SMARCA	cg16587443	-0.187603251691749	376	-3.58337216757595	0.000386977197805763	0.0351949800453178	0.00302163044525761
STAD	SMARCA	cg19993723	0.0371999666670318	395	0.716051266750361	0.474411361599168	0.00138383752002828	0.66232202349851
STAD	SMARCA	cg20045045	-0.0639816401585222	395	-1.23323823298483	0.21826979696962	0.00409365027737463	0.405911278099413
STAD	SMARCA	cg22077701	-0.199828330248685	395	-3.92289586599278	0.000104290998967376	0.0399313615699776	0.000998795269440851
STAD	SMARCA	cg24607315	-0.127412069701308	395	-2.47095872982499	0.0139248894178156	0.0162338355055709	0.0551456342228929
STAD	SMARCB	cg01745726	0.0981137445125685	395	1.89640532005517	0.0586851847768768	0.00962630686227756	0.162031796652129
STAD	SMARCB	cg01912455	0.049472652970399	395	0.952792194889072	0.34131738258665	0.00244754339192952	0.540508924468644
STAD	SMARCB	cg03979008	0.193386498608333	395	3.7914358189335	0.000174844515208341	0.0373983378439907	0.00155201440165651
STAD	SMARCB	cg10122452	-0.036471921203348	395	-0.702018480043577	0.483109003109658	0.00133020103626323	0.670000031873511
STAD	SMARCB	cg16142952	0.139416475765816	395	2.70817797111155	0.00707947793222165	0.0194369537149605	0.0326849202527746
STAD	SMARCB	cg19906397	0.104147961110144	443	2.12810973028763	0.0339195369364661	0.0108467978034002	0.108207022735809
STAD	SMARCC	cg02564102	-0.00517704438283193	395	-0.0995837715286257	0.920728710761205	2.68017885418116e-05	0.958415325148287
STAD	SMARCC	cg02627110	-0.233108400344593	395	-4.61095801403189	5.52890068701099e-06	0.0543395263112148	7.78066751167389e-05
STAD	SMARCC	cg05592996	-0.252668510691724	395	-5.02316288755744	7.9239718468971e-07	0.0638413762951738	1.39025138894342e-05
STAD	SMARCC	cg07143957	0.159014149161091	395	3.09811773874858	0.00209637449614317	0.0252854996334258	0.0123474680158209
STAD	SMARCC	cg07304068	-0.232293401406573	395	-4.59391586529244	5.97385942230202e-06	0.0539602243370351	8.32402686545877e-05
STAD	SMARCC	cg07474652	-0.130690729711624	395	-2.53563404158	0.01163523393488	0.0170800668325569	0.0479702892962029
STAD	SMARCC	cg12894336	-0.227314971164043	395	-4.49003407550297	9.52726306293872e-06	0.0516720961153097	0.000125493380074205
STAD	SMARCC	cg16250355	-0.156832683520506	443	-3.22715215778617	0.00134994857044419	0.0245964906202431	0.00861579285332149
STAD	SMARCC	cg20685352	-0.218686266261569	395	-4.31085766975005	2.08779193399063e-05	0.0478236830514261	0.00024864924328363
STAD	SMARCC	cg22984439	-0.117011057103801	395	-2.26632086014728	0.0240086600770136	0.013691587484549	0.0835955550002607
STAD	SMARCC	cg24832353	-0.215311884784302	48	-1.41178161214145	0.165559025633798	0.0463592077293684	0.337677217673876
STAD	SMARCD	cg02553054	0.123491873553644	395	2.3937362706166	0.0171751312919806	0.0152502428337892	0.0647848217478829
STAD	SMARCD	cg04550398	-0.236746782792504	395	-4.68716488709074	3.90013975522479e-06	0.0560490391626009	5.70636584762004e-05
STAD	SMARCD	cg09878554	0.0691523546902334	395	1.33336402729071	0.183232680889803	0.00478204815920385	0.361355823691062
STAD	SMARCD	cg13349421	-0.0404469734252385	395	-0.7786502480919	0.436683449362825	0.00163595765926195	0.629746355447781
STAD	SMARCD	cg17846064	-0.13743222319296	395	-2.66888619469353	0.00794537423061215	0.0188876159717595	0.0357408605814873
STAD	SMARCD	cg18591973	-0.00884962761695837	443	-0.179852727766341	0.857356396886022	7.83159089588322e-05	0.924104764747354
STAD	SMARCD	cg20405918	-0.0543688033967632	395	-1.04735393165824	0.295620058744217	0.00295596678279589	0.493522183638208
STAD	SMARCD	cg22402853	-0.186166978731573	395	-3.64470971353207	0.000305979319480764	0.0346581439700418	0.00248599009709521

STAD	SMARCD	cg25107077	0.04769388731984	395	0.918455443173622	0.358978805872654	0.0022747068876776	0.557967400329126
STAD	SMARCD	cg00945038	0.143907523120079	395	2.79723247722368	0.00542360257763993	0.0207093752105561	0.0264678338200189
STAD	SMARCD	cg02127607	0.144721789600958	395	2.81339756732194	0.00516376466048092	0.020944396385304	0.0254359468117174
STAD	SMARCD	cg02360836	0.165787799047106	443	3.41648540868198	0.000697244790427317	0.0274855943128836	0.0049703529026393
STAD	SMARCD	cg04367190	0.0974837564915131	395	1.88411129930241	0.0603337240927482	0.00950308277969662	0.165320056781066
STAD	SMARCD	cg06420487	-0.0806736889887997	395	-1.55686388646024	0.120357713609308	0.00650824409506159	0.271292137637483
STAD	SMARCD	cg07362569	0.202295238670572	395	3.97337785878911	8.51941676311177e-05	0.0409233635887835	0.000838254205671292
STAD	SMARCD	cg11697258	0.0666741180436239	395	1.28536244932192	0.199469610600837	0.0044454380168951	0.38226188321135
STAD	SMARCD	cg12577610	0.0314220776720033	443	0.638887556042276	0.523250236194559	0.000987346965225411	0.702707353643715
STAD	SMARCD	cg15868002	-0.0900163036768043	395	-1.73855620370074	0.0829446857977174	0.00810293492763464	0.208262559692335
STAD	SMARCD	cg19016967	-0.197269042324428	395	-3.87060555585668	0.000128309331185601	0.0389150750595971	0.00119341177788769
STAD	SMARCD	cg19143629	0.108988574124879	395	2.10900039180308	0.035616021445266	0.0118785092897743	0.112301911977668
STAD	SMARCD	cg21254277	-0.079213614025098	395	-1.52850737159969	0.127241035129319	0.00627479664691721	0.282006251089713
STAD	SMARCD	cg23682543	-0.172808934858074	395	-3.37481915191735	0.000816865503688718	0.029862927966782	0.00566778763770604
STAD	SMARCD	cg24795630	0.0109750674594294	395	0.21112235313379	0.832908028618641	0.000120452105739026	0.910390838918671
STAD	SMARCD	cg25945412	-0.00535830871461728	395	-0.103070605711704	0.917962774247091	2.87114722811434e-05	0.956818047074612
STAD	SMARCD	cg00864064	-0.128058384678002	395	-2.48370144237434	0.0134444768067724	0.016398949886339	0.0536937023823633
STAD	SMARCD	cg02917064	-0.197258436495511	443	-4.08910991335561	5.20638767263746e-05	0.0389108907686534	0.00054933639306274
STAD	SMARCD	cg14795305	-0.173865431329894	436	-3.56622524127727	0.00040511127188613	0.0302291882115301	0.00313646758410724
STAD	SMARCD	cg19786287	-0.149308011331122	395	-2.90455486645192	0.00389859506014691	0.0222928822476543	0.0203507551572884
STAD	SMARCD	cg19902439	-0.146820554489551	395	-2.85508995341112	0.00454491022959942	0.0215562752206194	0.0229648445311417
STAD	SMARCD	cg22750243	-0.153992917960224	395	-2.99787167870925	0.00290236181668876	0.0237138187819042	0.0160268551368175
STAD	SMARCD	cg22787816	-0.210711714523396	395	-4.14621045202943	4.19503412573315e-05	0.044399426637389	0.000455857640420848
STAD	SMNDC1	cg03999743	-0.168661309097671	395	-3.29141769208506	0.00109271860207311	0.0284466371865402	0.00722479610145125
STAD	SMNDC1	cg08770590	0.0921331374654059	395	1.7797862538141	0.0759316083909699	0.00848851501921939	0.195635674079854
STAD	SMNDC1	cg11559952	-0.186531105154066	395	-3.65209516636799	0.000297609316261315	0.0347938531899971	0.00242812995796882
STAD	SMNDC1	cg12486840	-0.00247416083845597	395	-0.0475915796235279	0.962067420353752	6.12147185454915e-06	0.980106956607672
STAD	SMNDC1	cg17981675	-0.18997498806626	395	-3.72202389364504	0.000228352673214683	0.0360904960907757	0.00194041156308717
STAD	SMNDC1	cg18209001	-0.081611633076974	395	-1.57508526466917	0.116091388420069	0.00666045865349063	0.264635434428776
STAD	SMNDC1	cg21872391	-0.204002619119558	443	-4.23488122096206	2.82129373038455e-05	0.0416170686076394	0.000323001802003732
STAD	SMNDC1	cg23721301	-0.222265978684935	395	-4.38505902785761	1.51343190394165e-05	0.0494021652807721	0.000187944257991628
STAD	SMNDC1	cg26944434	-0.0152896483867836	395	-0.294136641550954	0.768818430331864	0.000233773347791476	0.871832613761071
STAD	SMYD1	cg00578637	-0.367582449136303	395	-7.60285858862203	2.41067435628249e-13	0.135116856913043	1.50028800698112e-11
STAD	SMYD1	cg00666842	-0.151130132669734	395	-2.9408248238501	0.00347922115510686	0.0228403170007714	0.0185537791705774
STAD	SMYD1	cg03704645	-0.415237223664405	395	-8.77996247015019	6.14431157244517e-17	0.172421951916523	6.03523452609596e-15
STAD	SMYD1	cg14559139	-0.533951860988123	395	-12.1473546769803	8.35656636539902e-29	0.28510458985268	2.16696907943284e-26
STAD	SMYD1	cg16090764	-0.268625800548164	395	-5.36428689778674	1.43561001595025e-07	0.0721598207201421	3.00786010182694e-06
STAD	SMYD1	cg18148488	-0.355703694472688	395	-7.32089246561377	1.54905647949148e-12	0.126525118261519	8.55875708562218e-11
STAD	SMYD1	cg19074493	-0.452601588709297	395	-9.76319384977375	3.47271115820942e-20	0.20484819810218	4.73958055862708e-18
STAD	SMYD2	cg01770831	-0.0060498643365143	395	-0.116373593740067	0.907419599550326	3.66008584902276e-05	0.9509449957766
STAD	SMYD2	cg04406444	-0.0106520267602685	395	-0.204907451079775	0.837757109073186	0.000113465674101476	0.913167557706555
STAD	SMYD2	cg11523160	-0.0814827954868865	395	-1.57258209678856	0.116670306204742	0.00663944596035777	0.265581559645697
STAD	SMYD2	cg14013804	0.0909886126112221	395	1.75749109972383	0.0796610919173275	0.00827892762491505	0.20241754922901
STAD	SMYD2	cg27570636	-0.0430135106441369	395	-0.828147855650045	0.408120620786275	0.00185016209793328	0.604174971735948
STAD	SMYD5	cg01329511	-0.319322606269044	395	-6.48163187560422	2.90174980281879e-10	0.101966926874455	1.05930888859918e-08
STAD	SMYD5	cg05103132	-0.0160998880246363	395	-0.309727673802153	0.75694241832584	0.000259206394405828	0.864514884606393
STAD	SMYD5	cg06754047	0.0410817901333238	443	0.835586043345688	0.403870958102693	0.00168771348055846	0.600349435706414
STAD	SMYD5	cg08834152	0.152768691837617	395	2.97346709790203	0.00313747760348932	0.0233382732057767	0.0170778710247585
STAD	SMYD5	cg15623359	-0.109439001820756	395	-2.11782189999951	0.0348565587704222	0.0119768951195234	0.110525439511952
STAD	SMYD5	cg17895873	-0.0583175565538683	443	-1.18717326519037	0.235841659501301	0.00340093740241362	0.427113000727354
STAD	SMYD5	cg20402064	0.100088484198001	395	1.93495674131436	0.0537574568521274	0.0100177046690534	0.152128322966693
STAD	SMYD5	cg25886337	0.0743794772157123	395	1.4346918923682	0.152219593123364	0.00553230663088267	0.318933754709407
STAD	SMYD5	cg26467949	-0.188417402507602	395	-3.69037933794795	0.000257564549215011	0.0355011175677116	0.00214576849107952
STAD	SP100	cg05876232	0.118066216864187	395	2.28704525118221	0.0227572082785561	0.0139396315646211	0.0802818003274985
STAD	SP100	cg09456094	-0.103803312712863	395	-2.00754163902678	0.0454187149570348	0.0107751277301644	0.134514924101251
STAD	SP100	cg11702456	-0.0581470059213814	395	-1.12037563124115	0.263280417859198	0.00338107429762116	0.458694724243896
STAD	SP100	cg11827097	-0.0154679845328134	395	-0.297568223148316	0.76619973464887	0.000239258545507355	0.870378001594741

STAD	SP100	cg23539753	-0.303568801530876	443	-6.47479576262113	2.69896680604701e-10	0.0921540172628921	9.90393508064251e-09
STAD	SP100	cg27140170	0.0715499574779054	395	1.379827385329	0.168473032067975	0.00511939641509006	0.341625757089871
STAD	SP140L	cg04002454	-0.185518860194667	395	-3.63156799142813	0.00032142278829458	0.0344172474879282	0.00258875291361306
STAD	SP140L	cg05217331	-0.122938673747154	395	-2.38284824997755	0.0176834530823828	0.0151139175027091	0.0662397221249463
STAD	SP140L	cg13278004	-0.267706683411984	395	-5.34451315624459	1.5889274490102e-07	0.0716668683434443	3.29799951889806e-06
STAD	SP140L	cg24044052	-0.352660633558764	395	-7.24932233524512	2.46425069666319e-12	0.124369522462069	1.31664779324324e-10
STAD	SP140L	cg25095994	-0.285113400309709	395	-5.72175407172302	2.17896193246585e-08	0.0812896510361641	5.57232625161894e-07
STAD	SP140L	cg26847438	-0.190963197108656	395	-3.74211585861332	0.000211457237601097	0.0364669426499596	0.00181894307908545
STAD	SSRP1	cg01511567	0.135305515889402	443	2.77525445873279	0.00576642970919925	0.0183075826300973	0.027785297788631
STAD	SSRP1	cg01766191	-0.0370827864738833	395	-0.713792588630804	0.475805451858987	0.00137513305266762	0.663571702180603
STAD	SSRP1	cg02688348	-0.0222159556362077	395	-0.427437932692451	0.669309030171669	0.000493548684829949	0.808277037919501
STAD	SSRP1	cg04937561	-0.11817620420577	395	-2.28920596322735	0.0226300681466356	0.0139656152404837	0.0799420362092168
STAD	SSRP1	cg08821673	-0.0362893681995699	395	-0.69850001990763	0.485303328692342	0.00131691824432396	0.671893346721695
STAD	SSRP1	cg09381635	-0.11790498602593	395	-2.28387800991243	0.0229447004760241	0.0139015857297746	0.0807674221190867
STAD	SSRP1	cg11948159	0.0415814913486857	395	0.800528320263895	0.423918471422581	0.00172902042278082	0.618941617316061
STAD	SSRP1	cg12795368	0.143341855300605	395	2.78600606814961	0.00561096958606005	0.0205468874810196	0.0272047222173858
STAD	SSRP1	cg12911972	-0.0105106853158031	395	-0.202188237432118	0.839880692009723	0.000110474505807839	0.914239784277248
STAD	SSRP1	cg16313264	0.0516010523921291	395	0.993890142775913	0.320925883384316	0.00266266860797525	0.520376158549726
STAD	SSRP1	cg22636253	-0.0119800582515728	443	-0.24348102602201	0.807753673598757	0.000143521795711079	0.895886703696008
STAD	SSRP1	cg26706201	-0.0779416362061755	395	-1.50381201793349	0.133482843024826	0.00607489865449581	0.291444408932733
STAD	STK31	cg00755064	-0.673832152200238	395	-17.5418771340885	1.44849275190807e-50	0.454049769338804	8.60183550701803e-48
STAD	STK31	cg05000488	-0.396009423526929	395	-8.29558707551844	2.03563090189527e-15	0.156823463522131	1.66694600402148e-13
STAD	STK31	cg05407490	-0.445749899227687	395	-9.57839273232845	1.46782014297606e-19	0.198692972661493	1.89052318216357e-17
STAD	STK31	cg11755819	-0.505810687728018	395	-11.2786469330021	1.47236191323853e-25	0.255844451819891	3.13810747064325e-23
STAD	STK31	cg13313214	-0.591930844410604	395	-14.1267691885836	1.53059508703964e-36	0.350382124564651	5.51255158338712e-34
STAD	STK31	cg13514718	-0.37155345489077	395	-7.69806591142239	1.27208728892118e-13	0.138051969841267	8.32646524674368e-12
STAD	STK31	cg13802883	-0.367641005661389	395	-7.60425900191104	2.38820953155191e-13	0.135159909043717	1.48749697596116e-11
STAD	STK31	cg14898779	-0.415813142097207	443	-9.29168281825745	8.82273839278183e-19	0.172900569140752	1.03863190428637e-16
STAD	STK31	cg17102984	-0.571645705129344	395	-13.4013613975517	1.16743950935008e-33	0.326778812192825	3.73743988437779e-31
STAD	STK31	cg17331904	-0.670586504113636	395	-17.3880344718861	6.34731003491078e-50	0.449686259499348	3.68494505116305e-47
STAD	STK31	cg21519371	-0.72300518855097	395	-20.1308988324934	2.12625549560366e-61	0.522736502671623	1.94599905911754e-58
STAD	STK31	cg25570411	-0.716199247457202	395	-19.7398613269837	9.20325651352706e-60	0.512941362058263	7.86767183750906e-57
STAD	STK31	cg25612145	-0.435193799961628	443	-9.82319403954396	1.31800149543432e-20	0.189393643525042	1.83750194150211e-18
STAD	SUV39H	cg05903800	-0.0496007824388781	395	-0.95526591418106	0.340066936437057	0.00246023761854891	0.539307034149803
STAD	SUZ12	cg00160853	-0.157711178717295	395	-3.07208132184278	0.0022830880007164	0.0248728158923986	0.0132318071912189
STAD	SUZ12	cg01109633	0.00351189101333644	395	0.0675529890038337	0.946177968175579	1.23333784895532e-05	0.971273208807281
STAD	SUZ12	cg07482957	-0.0452927201723443	395	-0.872117871558968	0.383709647837837	0.00205143050061028	0.581911916388518
STAD	SUZ12	cg08177746	0.0223118778194493	395	0.429284405454054	0.667966121039925	0.000497819891830032	0.807386944547236
STAD	SUZ12	cg17335595	-0.254725953595263	395	-5.06689167197911	6.39772870092984e-07	0.0648853114350159	1.15162518648562e-05
STAD	SUZ12	cg25098644	-0.163307560616033	443	-3.3639622986955	0.000840087027944084	0.0266693593543592	0.00580251533799894
STAD	TAF3	cg00194465	-0.186737764433594	395	-3.65628745989309	0.000292954440142427	0.0348709926656563	0.00239668710868019
STAD	TAF3	cg02334915	-0.00881284850230966	395	-0.169525108940956	0.865476270106969	7.76662987246616e-05	0.92856111859047
STAD	TAF3	cg03672997	-0.00439470338528448	395	-0.0845346237832714	0.932677095501779	1.93134178446308e-05	0.964292913705755
STAD	TAF3	cg04179819	-0.14022039313986	395	-2.72410642433915	0.00675338969062093	0.0196617586522968	0.0314820947742189
STAD	TAF3	cg04234156	-0.021971607113543	395	-0.422734351424026	0.672734659570899	0.000482751519151895	0.810599261289879
STAD	TAF3	cg05976695	-0.177969173205642	395	-3.47884140254813	0.0005635788630799	0.0316730266114997	0.00414669952467963
STAD	TAF3	cg07855525	-0.0923101770454834	395	-1.7832355884787	0.0753675956552617	0.00852116878616849	0.194575606026795
STAD	TAF3	cg09871669	0.0516505919002027	395	0.99484687655749	0.320460901337624	0.00266778364364129	0.519904389035872
STAD	TAF3	cg09994553	0.0934094410189873	378	1.76520601398826	0.0783912766634201	0.00872532367147967	0.1999761652197
STAD	TAF3	cg11104088	0.125535603063862	395	2.43398047767678	0.0154062444208613	0.0157591876366076	0.0596245648712244
STAD	TAF3	cg12176426	0.0900236647913973	395	1.73869953629714	0.0829194223255387	0.0081042602247387	0.208212567069913
STAD	TAF3	cg12590721	-0.1155390647528	395	-2.23742244386464	0.0258535272061238	0.0133492754839517	0.0883599549895966
STAD	TAF3	cg12777293	-0.100082705896343	395	-1.93484390223081	0.053771357693716	0.0100165480195338	0.152151056648054
STAD	TAF3	cg27268107	-0.188969955931381	395	-3.70160192382289	0.000246823821424467	0.0357096442447079	0.00206978682374636
STAD	TCEA1	cg01677098	-0.0966964678809474	443	-1.97435643582243	0.0490070471699005	0.0093502069006511	0.142158884096944
STAD	TCEA1	cg06047473	-0.0729070242749244	395	-1.40613670561901	0.160522778652888	0.00531543418862441	0.33043260590926
STAD	TCEA1	cg11530293	0.0258678887715176	395	0.497745335818513	0.61895923720674	0.000669147669495604	0.773875619152072

STAD	TCEA1	cg11787876	0.101584844382125	395	1.96418446020597	0.0502569036695553	0.0103194806081405	0.144819260068503
STAD	TCEA1	cg12850379	-0.150809533100006	395	-2.9344409659707	0.00354990744320595	0.0227435152738419	0.0188571212908469
STAD	TCEA1	cg23569945	-0.0778298071267897	395	-1.50164121992947	0.134042698661365	0.0060574788739329	0.29224028080439
STAD	TCEA1	cg26181865	-0.156909746487257	395	-3.05607500224037	0.00240534315418402	0.0246206685426952	0.0137995033434065
STAD	TCEA1	cg26358945	-0.0740220661064622	395	-1.42775978142194	0.154204476117013	0.00547926627066946	0.321642498509955
STAD	TDRD1	cg00337703	-0.187187309691208	395	-3.66540868012708	0.000283062288837247	0.0350390889094322	0.00232849187879928
STAD	TDRD1	cg02635786	-0.569680111914983	395	-13.3330845483087	2.16767375481141e-33	0.324535429911467	6.85495984072352e-31
STAD	TDRD1	cg16550453	-0.818675504742573	395	-27.4224852110971	3.74132062356258e-91	0.670229582065507	7.65927096287968e-88
STAD	TDRD1	cg23504215	-0.657924202604011	395	-16.8047948511441	1.69805620194369e-47	0.432864256372123	8.92558001175726e-45
STAD	TDRD1	cg23825092	-0.676065598175917	395	-17.6488193180861	5.18294522420467e-51	0.45706469303696	3.17481921867542e-48
STAD	TDRD1	cg24203376	-0.565230020259184	395	-13.1797515335475	8.66654569665782e-33	0.319484975802198	2.62336675457509e-30
STAD	TDRD1	cg26600802	-0.761412512872995	395	-22.5926149968019	1.21394912032112e-71	0.579749014759569	1.47559309166033e-68
STAD	TDRD1	cg27547703	-0.73861842185763	443	-22.2666834260539	9.86007665233713e-73	0.545557173107456	1.26936557501296e-69
STAD	TDRD3	cg01557749	-0.221204209144081	395	-4.36303105864417	1.66588863821222e-05	0.0489313021430584	0.00020408841058438
STAD	TDRD3	cg03447530	-0.20360746744548	395	-4.00026293033579	7.64284886785143e-05	0.0414560007995623	0.000764422454134269
STAD	TDRD3	cg05666423	-0.259581254573596	395	-5.17037915547585	3.83314386128898e-07	0.0673824277260019	7.2543160182534e-06
STAD	TDRD3	cg10765900	0.0715930733484705	394	1.37879612583744	0.168792855830242	0.00512556815147948	0.342052968987415
STAD	TDRD3	cg18522102	-0.015087065193724	395	-0.290238527224122	0.771796359348477	0.000227619536159679	0.873516054108611
STAD	TDRD3	cg19937698	-0.0402967190238835	395	-0.775752966495768	0.438390411459271	0.00162382556408982	0.6310557087701
STAD	TDRD3	cg20944895	-0.290925460742117	395	-5.84905983151996	1.08807105152065e-08	0.084637623708013	2.95812232459635e-07
STAD	TDRD3	cg22045829	-0.0160105399360527	395	-0.308008364264834	0.758249285965925	0.000256337389043939	0.865205768075884
STAD	TDRD3	cg23103367	-0.0840981556597921	395	-1.62341129750535	0.105353137184099	0.00707249978537861	0.247223814212917
STAD	TDRD3	cg23767211	0.0352726694110415	395	0.67890580858172	0.497621977281367	0.00124416120738062	0.682014633895737
STAD	TDRD3	cg26737458	-0.19283829619271	395	-3.78027232282442	0.000182565730155354	0.0371866084785073	0.001606074681862
STAD	TDRD5	cg05378938	-0.306420324372524	395	-6.19196919062901	1.58043858333622e-09	0.093893415188563	5.03681438558204e-08
STAD	TDRD5	cg07171496	-0.347911782841645	395	-7.1381568739683	5.03526995477303e-12	0.121042608640052	2.52230386903808e-10
STAD	TDRD5	cg07901138	-0.339780303905828	395	-6.94925150562461	1.66495387563687e-11	0.115450654922337	7.5744691111868e-10
STAD	TDRD5	cg09656934	-0.540208172619231	443	-13.0456535372673	8.1787312552367e-33	0.291824869764609	2.48537585652298e-30
STAD	TDRD5	cg11853788	-0.546155419065177	395	-12.541138343409	2.61324813202874e-30	0.298285741774259	7.28656004240301e-28
STAD	TDRD5	cg12277666	-0.299988582826301	443	-6.39083229874664	4.45977965890793e-10	0.0899931498261327	1.56917276700626e-08
STAD	TDRD5	cg13848905	-0.303770612292972	395	-6.1329560068884	2.21611417577448e-09	0.0922765848928472	6.87127884377044e-08
STAD	TDRD5	cg15545772	-0.253460562439665	395	-5.03998845383377	7.29907579965608e-07	0.0642422567122314	1.29197793574163e-05
STAD	TDRD7	cg24339935	-0.118870009942184	395	-2.30283781759645	0.0218421460000647	0.014130079263655	0.0778515488833974
STAD	TDRD9	cg07613153	0.292090070336713	442	6.1991194497633	1.38004717713225e-09	0.0853166091893058	4.44920804383863e-08
STAD	TDRD9	cg08933517	0.129063341409645	443	2.64499887488686	0.00848070433982861	0.0166573460958225	0.0375820028300208
STAD	TDRD9	cg16701547	0.155504950511031	395	3.0280331275673	0.00263412415888764	0.0241817896334382	0.0148427534996744
STAD	TRIM24	cg00733782	-0.0653006516145251	394	-1.2570675966879	0.209524245344457	0.00426417510128158	0.395001312064139
STAD	TRIM24	cg02308366	-0.125328701997971	395	-2.42990485139037	0.0155777473227822	0.0157072835444963	0.0601291385682615
STAD	TRIM24	cg06386929	-0.042528504120432	395	-0.818792910028504	0.413431620141811	0.0018086736627216	0.609022902050976
STAD	TRIM24	cg06650216	-0.0440805384975044	395	-0.848731070666656	0.396579714577839	0.00194309387422997	0.5931730271648
STAD	TRIM24	cg10571650	0.126732176964396	394	2.45423418223916	0.0145797363746149	0.016061044678135	0.0570947065712703
STAD	TRIM24	cg10703331	-0.0495807343586005	443	-1.00884034045283	0.31364189265499	0.00245824921953811	0.512712126693192
STAD	TRIM24	cg13935558	0.226960689903877	395	4.48265578144002	9.84514432405812e-06	0.0515111547616437	0.000129046867320266
STAD	TRIM24	cg26889928	-0.0379405492054342	443	-0.771598623965295	0.440793439254209	0.00143948527400997	0.633377998029958
STAD	TRIM33	cg00760200	-0.341323612606379	395	-6.98496707329643	1.33040269658329e-11	0.116501808522669	6.18278142763485e-10
STAD	TRIM33	cg02852257	-0.251218323827924	395	-4.99238447142392	9.20350329879636e-07	0.0631106462269119	1.59218106089167e-05
STAD	TRIM33	cg05792124	-0.267828275617049	395	-5.34712816813012	1.56777492222474e-07	0.0717319852200019	3.25670179705078e-06
STAD	TRIM33	cg16036305	0.0188348146081498	395	0.362359171921254	0.717290526643894	0.000354750241323375	0.839401585958077
STAD	TRIM33	cg17645130	-0.189017457976299	395	-3.70256687979414	0.000245920264467259	0.0357275994198219	0.00206374742398269
STAD	TRIM33	cg18199720	-0.202805652861715	395	-3.98383261320722	8.1677777747545e-05	0.0411301328326666	0.000808196520504866
STAD	TRIM33	cg20932765	-0.307403317511909	436	-6.52519713539894	2.0163901978787e-10	0.0944967996173275	7.5779255581534e-09
STAD	TRIM33	cg20992663	0.0195490492283029	395	0.376105344025181	0.707054140065325	0.000382165325730608	0.833023925068029
STAD	TRIM33	cg21666217	-0.124629555990621	443	-2.55267419246877	0.011048727607652	0.0155325262264194	0.0460871161131197
STAD	TRIM33	cg21813112	0.0196368457544592	395	0.377795116847411	0.705799432051581	0.000385605711184421	0.832223434981621
STAD	TRIM66	cg06492264	0.0784437308723223	395	1.51355925855214	0.130991365589856	0.00615341891316933	0.28765205158002
STAD	TRIM66	cg11245569	0.267453127134992	395	5.32461150828132	1.76428824961351e-07	0.0715311752142863	3.62905975913361e-06
STAD	TRIM66	cg12608775	-0.00258693192544038	395	-0.0497607956325392	0.960339859143623	6.69221678686269e-06	0.97918239252158

STAD	TRIM66	cg13143389	0.0352364121460152	395	0.678207083919507	0.498064322934783	0.00124160474092385	0.682335404391802
STAD	TRIM66	cg27044202	-0.133828952557143	395	-2.59761831755506	0.00976202278289245	0.017910188542542	0.041796418383371
STAD	UBE2A	cg00142683	0.00805375929818137	395	0.154922177683865	0.876967144978448	6.48630388330428e-05	0.934878822561883
STAD	UBE2A	cg00428314	-0.00062528628902216	395	-0.0120276242691368	0.99041005816627	3.90982943239113e-07	0.994796194561552
STAD	UBE2A	cg00935924	-0.0257032925535891	395	-0.494576104048708	0.62119289947733	0.0006060659248095389	0.775518993436208
STAD	UBE2A	cg05206294	-0.0185319303611797	395	-0.356530025147501	0.721646895497786	0.000343432442911615	0.84230755571425
STAD	UBE2A	cg06206449	-0.00818604488294469	395	-0.157466993394306	0.874962714431437	6.7011330825585e-05	0.93385815433554
STAD	UBE2A	cg06273903	0.0189028207329223	443	0.38421936126562	0.701013613834179	0.000357316631660997	0.828680774280358
STAD	UBE2A	cg09080960	-0.0206710686893661	395	-0.397700921709614	0.691080004899966	0.000427293080760492	0.822487231717096
STAD	UBE2A	cg14625604	-0.0042127418717519	443	-0.0856137911565897	0.931814922837945	1.77471940780117e-05	0.963829412408657
STAD	UBE2A	cg15661671	-0.0151177301323661	395	-0.290828580956008	0.771345375083746	0.000228545764355049	0.873297853493784
STAD	UBE2A	cg16211147	0.00338867214702756	395	0.0651827844584189	0.948063671200712	1.14830989200404e-05	0.972387739128101
STAD	UBE2A	cg17976175	-0.0137021183455478	395	-0.26359025427436	0.792242405384502	0.000187748047155397	0.886085913082912
STAD	UBE2A	cg18990292	-0.0110601238363123	395	-0.212758743158196	0.831632313696728	0.000122326339274564	0.909713206794132
STAD	UBE2A	cg25165659	-0.0049749672519083	395	-0.0956965900516377	0.923813357255204	2.47502991575601e-05	0.959892297506496
STAD	UHRF2	cg06523306	0.196532294846573	395	3.85556795698735	0.000136131995443689	0.0386249429176604	0.00125417485238588
STAD	UHRF2	cg08487038	0.0560188317418993	443	1.14022767189986	0.254852267358157	0.00313810950972722	0.449110370072726
STAD	UHRF2	cg13428749	0.182781441898055	395	3.57611601825664	0.000395014778846694	0.033409055502332	0.00307420765362142
STAD	UHRF2	cg14078101	0.174946750539679	395	3.41787881750025	0.000701306256534389	0.0306063655243926	0.00499427123039511
STAD	UHRF2	cg20595300	0.107453053987385	443	2.19642102580409	0.0286169668737632	0.0115461588112159	0.0952967904189689
STAD	UHRF2	cg24119045	0.12471305424485	395	2.41777945975502	0.0160979999151955	0.0155533458990789	0.0615969605726584
STAD	USP27X	cg00478198	-0.0797359616840275	395	-1.53865088116596	0.124744275383938	0.00635782358567671	0.277982130026299
STAD	USP27X	cg01125381	-0.148741723637654	395	-2.89328889724318	0.00403794899529837	0.0221241003507003	0.020897299370692
STAD	USP27X	cg01290688	-0.184955545319449	395	-3.62014979776976	0.000335432674232203	0.0342085537444148	0.00268270273046366
STAD	USP27X	cg01855997	-0.0749307233377325	395	-1.44538459075564	0.14919630677196	0.00561461329991582	0.314626660043855
STAD	USP27X	cg06455206	-0.228457988635275	395	-4.51385149818474	8.56693400133861e-06	0.0521930525712753	0.000114216576722125
STAD	USP27X	cg06624970	-0.0720279260560327	395	-1.38909282871422	0.165639983433015	0.00518802213193332	0.3378075022711
STAD	USP27X	cg16810342	-0.076077070812485	395	-1.46762494009805	0.143055649013392	0.00578772070340785	0.305813831973506
STAD	USP27X	cg16867483	-0.121860945990158	395	-2.3616429920383	0.0187115696067253	0.0148500901576161	0.0691453470447268
STAD	USP27X	cg19318186	-0.174796057381076	395	-3.41484194581911	0.000708927844669548	0.0305536616759686	0.00503886091806513
STAD	USP51	cg00834229	-0.177078393092244	395	-3.46086379595515	0.000601309675739651	0.0313567573001313	0.00438286188648838
STAD	USP51	cg01084827	-0.12974110299487	395	-2.51689296531704	0.0122614754991969	0.0168327538063254	0.0500062503268426
STAD	USP51	cg02714202	-0.151515246045239	395	-2.94849455236138	0.00339599875120598	0.0229568697841493	0.0181960415215454
STAD	USP51	cg03728850	-0.24518984166936	394	-4.85824042721429	1.75372571153657e-06	0.0601180584578457	2.81297604130465e-05
STAD	USP51	cg07386410	-0.139205842895367	395	-2.70400549147373	0.00716721109903066	0.0193782666962097	0.0330190551278291
STAD	USP51	cg12064531	-0.135142218367743	395	-2.62358064799613	0.00906112910621608	0.0182634191853546	0.0395412283440272
STAD	USP51	cg12517811	-0.191344944965187	395	-3.74988059764638	0.000205249321499537	0.0366128879637306	0.00177340505595222
STAD	USP51	cg18770944	-0.230642908718419	443	-4.81709404238788	2.0487594783077e-06	0.053196151342093	3.22699321432414e-05
STAD	USP51	cg21331369	-0.177365827413137	395	-3.46666379546294	0.000588886275493162	0.0314586367339468	0.00430562207854464
STAD	USP51	cg25424556	-0.187490025276818	443	-3.87903642431326	0.000122002958975416	0.0351525095783019	0.00114267977251788
STAD	WDR82	cg01736403	0.00299484523412165	395	0.0576072566267397	0.954092566874789	8.96909797634117e-06	0.975658367894655
STAD	WDR82	cg03869063	-0.21929894823075	395	-4.32354445718812	1.97667705671006e-05	0.048092028695113	0.000236939314252237
STAD	WDR82	cg10989431	0.0395420683671032	395	0.761202202868578	0.447021166131645	0.00156357517074866	0.638646231507478
STAD	WDR82	cg11442381	-0.248610168576629	395	-4.93711973236936	1.20191539979193e-06	0.0618070159196997	2.01425692829412e-05
STAD	WDR82	cg11665333	-0.319583884812832	395	-6.48753832729328	2.80146507679447e-10	0.102133859432061	1.02606955830578e-08
STAD	WDR82	cg12661343	-0.0465259880312564	395	-0.895915453517536	0.370880416170677	0.00216466756228461	0.569572629018904
STAD	WDR82	cg13539115	-0.132607142971451	395	-2.57347652764714	0.0104568916354514	0.0175846543670509	0.0441337387202588
STAD	WDR82	cg15991175	-0.0585604568656044	395	-1.12836931396843	0.259895090927839	0.00342932710830831	0.4549055845121
STAD	WDR82	cg17632831	-0.143476117688279	395	-2.78867042601338	0.00556597877292274	0.0205853963469008	0.0270222993857381
STAD	WDR82	cg24007312	0.0025511368683054	395	0.0490722571444726	0.9608881905598	6.50829932082709e-06	0.9794847268159
STAD	WDR82	cg26236504	0.0628302858035849	395	1.2109572563002	0.226684697510833	0.00394764481416016	0.416204091293112
STAD	WDR82	cg26858096	-0.202513358818844	395	-3.97784517467017	8.36743906051192e-05	0.0410116605000897	0.000824701069648377
STAD	ZMYND1	cg00614684	-0.13658088508102	395	-2.65203823621301	0.00834499194997025	0.0186543381695148	0.0371135549826198
STAD	ZMYND1	cg02813021	-0.141960293620389	443	-2.9144910109217	0.0037564853747473	0.020152724964787	0.0197419966634266
STAD	ZMYND1	cg02867818	-0.217277272282995	395	-4.2817019583728	2.36621587077964e-05	0.0472094130507387	0.000277471315529663
STAD	ZMYND1	cg03254875	-0.170813846268852	395	-3.3346786451807	0.000940343202918907	0.0291773700771592	0.00637777324567336
STAD	ZMYND1	cg05236965	-0.15143684272949	395	-2.94693299921556	0.00341279378979153	0.0229331173358762	0.0182696724527279

STAD	ZMYND1	cg08828193	-0.219424362490988	395	-4.32614206847929	1.95463457699875e-05	0.0481470508545764	0.000234658707226915
STAD	ZMYND1	cg12639781	-0.131925334637069	395	-2.56000984529592	0.0108634069604642	0.0174042939191026	0.0454799204112772
STAD	ZMYND1	cg13939078	-0.0875431599328931	395	-1.69041627187259	0.0917905552405342	0.0076638048510361	0.223988533700819
STAD	ZMYND1	cg14255089	-0.0676535041198218	443	-1.37803892564921	0.168937405535119	0.00457699661969075	0.342230001723844
STAD	ZMYND1	cg14694828	-0.105774877821178	395	-2.04609880428264	0.0414530918888025	0.0111883247780851	0.12563999806746
STAD	ZMYND1	cg17632565	-0.237950013909469	395	-4.71241264075159	3.47074577493007e-06	0.0566202091195167	5.14880238014703e-05
STAD	ZMYND1	cg22593633	-0.130276221520034	395	-2.52745276825035	0.0119050237557123	0.016971893893537	0.0488470157200358
STAD	ZMYND1	cg24757747	-0.168174687411275	395	-3.28164447922904	0.0011301783991551	0.0282827254858801	0.00743267380031039
TGCT	ACTL6A	cg03667091	-0.0438480554459433	156	-0.544663909581025	0.586772530125428	0.00192265196639051	0.750838148531216
TGCT	ACTL6A	cg03839554	-0.339224479907468	156	-4.47500869479845	1.47765974714297e-05	0.115073247768492	0.000183983774598656
TGCT	ACTL6A	cg07261848	-0.258356206287554	156	-3.31879003982271	0.00112841670414248	0.0667479293272971	0.00742321953275964
TGCT	ACTL6A	cg10112003	0.206148035500767	156	2.6143846930432	0.00982655203485639	0.0424970125408256	0.0420210416116764
TGCT	ACTL6A	cg20132173	0.0501364651671633	156	0.622960620327789	0.53423184433486	0.00251366513945818	0.711035621868026
TGCT	ACTL6A	cg22619386	0.0907425954321865	156	1.13075104386536	0.259917805127968	0.00823421862576947	0.454935106244096
TGCT	ACTL6A	cg25198545	0.14575174171004	156	1.8282551252381	0.0694462851937928	0.0212435702115102	0.183311345393525
TGCT	ACTL6A	cg25575835	0.149677099731991	156	1.8786065908882	0.0621882565215585	0.0224032341841803	0.168998562255091
TGCT	ACTL6B	cg05729836	0.217461463991642	156	2.76479025066933	0.00639204656895855	0.0472894883213884	0.0301389702882333
TGCT	ACTL6B	cg08572611	-0.105412961763325	156	-1.3154695485556	0.190307273491075	0.0111118925077163	0.370505273280459
TGCT	ACTL6B	cg09375063	-0.0788936834397561	156	-0.982106053801434	0.327588003728748	0.00622421328669244	0.527092207947924
TGCT	ACTL6B	cg14088161	0.115741539372011	156	1.44603299145883	0.150200051623301	0.0133961039362028	0.315888841807588
TGCT	ACTL6B	cg16024950	0.0770432027464989	156	0.958931180811162	0.339096496557379	0.00593565508943814	0.538426600260945
TGCT	ACTL6B	cg20497359	0.182370928183002	156	2.30176475070077	0.0226886743496495	0.0332591554463297	0.0800946863971726
TGCT	ACTL6B	cg24471254	-0.0387842538925225	156	-0.481662332401998	0.630729596983029	0.00150421834999965	0.782105906685015
TGCT	ACTL6B	cg26990587	-0.136816857625706	156	-1.71397011114518	0.0885461834939394	0.0187188525305727	0.218386969714271
TGCT	AEBP2	cg02664216	0.399431372193304	156	5.40686354042512	2.39895320504814e-07	0.159545421092225	4.75960636657778e-06
TGCT	AEBP2	cg07849438	-0.219977221245912	156	-2.79839211554557	0.00579252801637921	0.0483899778670728	0.0278989552071697
TGCT	AEBP2	cg08161947	-0.50644411404085	156	-7.28865188521233	1.52930322198853e-11	0.256485640646621	6.99004787610904e-10
TGCT	AEBP2	cg24304000	-0.0114790707498608	156	-0.142460908044573	0.886902169684249	0.000131769065280309	0.939905831711097
TGCT	AEBP2	cg26259627	-0.132903403768027	156	-1.66404965960222	0.0981360043688943	0.0176633147331273	0.234899350713427
TGCT	AFF4	cg00931577	0.205251783093387	156	2.60251730917071	0.0101580268902414	0.042128294463015	0.0431727242077927
TGCT	AFF4	cg01907658	-0.0870408521301948	156	-1.08426362788211	0.279942477919351	0.00757610993955044	0.477082131249079
TGCT	AFF4	cg05619425	0.00929054832975718	156	0.115297648789217	0.908359401852494	8.63142882675539e-05	0.951376543090361
TGCT	AFF4	cg06638012	0.29295905865702	156	3.80235467184876	0.000206118767895769	0.085825010049207	0.00177966741727897
TGCT	AFF4	cg13393914	0.230646770873055	156	2.94156290684662	0.00377025315696439	0.0531979329141676	0.0197968091727669
TGCT	AFF4	cg13565585	-0.062371063782115	156	-0.775514449970458	0.439224991767955	0.00389014959731265	0.631988107305817
TGCT	AICDA	cg07999668	-0.357158653647165	156	-4.74519786660033	4.71891583682648e-06	0.127562303875055	6.76563469609434e-05
TGCT	AIRE	cg08089567	-0.319526850747507	156	-4.1845918695077	4.78472150043575e-05	0.10209740834862	0.000510523418467836
TGCT	AIRE	cg09510531	-0.41335581089323	156	-5.63340878448089	8.18033887589816e-08	0.1708630263992	1.8125356949918e-06
TGCT	AIRE	cg11923631	-0.367175718921386	156	-4.89869701070498	2.41845443025722e-06	0.134818008565437	3.7374104876327e-05
TGCT	AIRE	cg12843033	-0.313619682934557	156	-4.09870288777239	6.70100573340108e-05	0.0983573055239719	0.000684207953831479
TGCT	AIRE	cg15955655	-0.196695633578977	156	-2.4895632392439	0.0138526890861005	0.0386891722690353	0.0549352753105404
TGCT	AIRE	cg16501323	-0.386042390138819	156	-5.19323417670014	6.45089261705451e-07	0.149028726984092	1.15901312832583e-05
TGCT	AIRE	cg16717549	-0.420825356670161	156	-5.75687952616112	4.50028805960846e-08	0.177093980816568	1.06315034712779e-06
TGCT	AIRE	cg17356252	-0.380284909181955	156	-5.10257088020101	9.7407958435741e-07	0.144616612151527	1.67418388709455e-05
TGCT	AIRE	cg18689454	-0.349033501239727	156	-4.62207286263089	7.98359345691435e-06	0.121824384987662	0.000107378227764038
TGCT	AIRE	cg18876487	-0.309830182085313	156	-4.0438832097233	8.28664844090237e-05	0.0959947417310184	0.000817878113183911
TGCT	AIRE	cg23272544	-0.26814851100588	156	-3.4541342392757	0.00071324285203145	0.0719036239546708	0.00506397868311897
TGCT	AIRE	cg27251412	-0.406483395023353	156	-5.52102136941449	1.39971864375462e-07	0.165228750429711	2.94376080487286e-06
TGCT	ARID1A	cg04081153	0.0679952068745251	156	0.845755703370474	0.399001231193456	0.00462334815790947	0.595615415808875
TGCT	ARID1A	cg04360147	0.191838816301141	156	2.42571118096855	0.0164344119190022	0.0368021314398228	0.0625896002765973
TGCT	ARID1A	cg14851949	0.00577149266098845	156	0.071623533277546	0.94299444360907	3.33101275358435e-05	0.969642985964418
TGCT	ARID1A	cg17385674	0.187463895156966	156	2.36835312172726	0.0191085215690153	0.0351427119874219	0.0702451718618269
TGCT	ARID1A	cg20413923	-0.118713908257717	156	-1.48369279088908	0.139934209600779	0.0140929920138217	0.301235317441004
TGCT	ARID1A	cg21294655	-0.125796987586314	156	-1.57360023330005	0.117632103230499	0.0158248820857912	0.267106591906404
TGCT	ARID1A	cg24542126	0.0581061212739336	156	0.722298388547016	0.471206438971798	0.00337632132950108	0.65956464862963
TGCT	ARID1A	cg25601319	-0.138225123724321	156	-1.73195398612919	0.0852840996456645	0.019106184828604	0.212551779580792
TGCT	ARID2	cg00035453	-0.22115412118767	156	-2.81413154480284	0.00552971105383495	0.0489091453182904	0.0268811061502241

TGCT	ARID2	cg01183821	0.0105480201451938	156	0.130904770095836	0.896021490445994	0.000111260728983415	0.944859173786557
TGCT	ARID2	cg01353809	-0.0876740678865199	156	-1.09221244538706	0.276445452204244	0.0076867421797701	0.473039559834964
TGCT	ARID2	cg01751433	-0.0719895992050776	156	-0.895691408389217	0.371815497596551	0.0051825023937077	0.57044560446547
TGCT	ARID2	cg06613666	-0.0120506715569109	156	-0.14955576077601	0.881310795527894	0.000145218684972541	0.937055498408824
TGCT	ARID2	cg07276957	0.00382047421860932	156	0.0474111842345	0.962246943987069	1.45960232550585e-05	0.980214733403127
TGCT	ARID2	cg23465749	-0.176235000609463	156	-2.22179409347454	0.0277554176381289	0.0310587754398175	0.0931795180953123
TGCT	ARID4A	cg02136725	0.0805371190228495	156	1.00269651257415	0.317580217779907	0.00648622754050064	0.516836857494876
TGCT	ARID4A	cg06154646	0.0177715795966361	156	0.220574337609466	0.825716039416913	0.000315829041359571	0.906304066305777
TGCT	ARID4A	cg08066755	-0.221709774527821	156	-2.82156713644812	0.00540937098439656	0.049155224121177	0.026417842038086
TGCT	ARID4A	cg08790491	-0.138736414270817	156	-1.73848592521872	0.084123838082281	0.0192477926447237	0.210448913392706
TGCT	ARID4A	cg10064886	0.197312208399671	156	2.49768280260225	0.0135517556030462	0.0389321075835551	0.0540283699000548
TGCT	ARID4A	cg10242170	0.109675424896723	156	1.36929657344441	0.172900198541201	0.0120286988262767	0.347713415332684
TGCT	ARID4A	cg10844118	-0.112372100637248	156	-1.4033898909681	0.16251373282809	0.0126274890016277	0.333155721820082
TGCT	ARID4A	cg12203852	0.0332700426594622	156	0.413099063690821	0.680108649343595	0.00110689573856243	0.815402254335899
TGCT	ARID4A	cg14272338	-0.181608057920093	156	-2.29180720432318	0.0232718008673904	0.032981486701508	0.0816675602976257
TGCT	ARID4A	cg14460816	-0.152877631666015	156	-1.91972767300362	0.0567411347130267	0.0233715702638097	0.158093185554429
TGCT	ARID4A	cg17323045	0.0156082958207513	156	0.193717455359468	0.846652401399116	0.000243618898428082	0.918072398179515
TGCT	ARID4A	cg19548283	-0.13840203338517	156	-1.73421391645032	0.0848812011866245	0.0191551228322359	0.211853064426586
TGCT	ARID4A	cg20996579	-0.144194802976929	156	-1.8083084979426	0.0725095536329452	0.0207921412055554	0.1891428835235
TGCT	ARID4A	cg26429530	-0.055596650741802	156	-0.691005062074339	0.490602633997112	0.00309098757370592	0.676413251615825
TGCT	ARID4A	cg27026909	-0.256081192264815	156	-3.28750496809797	0.00125223435556604	0.0655775770317689	0.00809778216599372
TGCT	ARID4B	cg05652840	0.0734072754408139	156	0.913424708870798	0.362447043256032	0.00538862808764353	0.561397815491483
TGCT	ARID4B	cg06212607	-0.0674129710594368	156	-0.838480380560768	0.403060521573722	0.00454450866706047	0.599578665075223
TGCT	ARID4B	cg06891548	-0.101914635275431	156	-1.27134707972515	0.205522029264756	0.0103865928833242	0.389799091799824
TGCT	ARID4B	cg07814876	-0.113006660650748	156	-1.41141699057546	0.160138859492411	0.0127705053514333	0.329912937563959
TGCT	ARID4B	cg10107779	-0.0169605395243141	156	-0.210505039463747	0.8335517867165	0.000287659900955822	0.910710611853762
TGCT	ARID4B	cg11732257	-0.103917311376878	156	-1.29659978918201	0.196708401623629	0.0107988076037991	0.378846171265036
TGCT	ARID4B	cg22596515	0.142758076015202	156	1.78991412755572	0.075432620406375	0.0203798682675621	0.194685331825809
TGCT	ARID4B	cg23687319	-0.100037043168131	156	-1.24768580778556	0.21404002730073	0.0100074100058225	0.400657535737906
TGCT	ARID4B	cg26020585	0.0786714118522747	156	0.979321855199266	0.328956931658337	0.00618919104283022	0.528664825023617
TGCT	ASH1L	cg03119126	0.148711712391515	156	1.86621502308616	0.0639129629112009	0.0221151734024166	0.172383075155634
TGCT	ASH1L	cg08095278	0.186722058789079	156	2.35864176068011	0.0195974631189984	0.0348651272384322	0.0717003736951211
TGCT	ASH1L	cg09410084	-0.0202479404375937	156	-0.251321856468697	0.801900321956452	0.000409979091964343	0.891900188572964
TGCT	ASH1L	cg10558228	0.166984091083795	156	2.10172718559024	0.037204882259345	0.0278836866750811	0.11609773808598
TGCT	ASH1L	cg17038116	0.00626963619420108	156	0.0778056682699091	0.93808363723531	3.93083380076362e-05	0.966868206299633
TGCT	ASH1L	cg20064047	-0.251806179370682	156	-3.22887431248085	0.00151904759698961	0.0634063519692602	0.0094986567607274
TGCT	ASH1L	cg21852905	-0.0130501578208436	156	-0.161961991772219	0.871548089557841	0.000170306619148924	0.931872949765835
TGCT	ASH1L	cg23821590	-0.102342402230768	156	-1.27673967686313	0.203615995079547	0.0104739672943643	0.387487529568195
TGCT	ASH1L	cg24312492	-0.0353236353603067	156	-0.438628523618616	0.661545451995674	0.00124775921506791	0.803050694173131
TGCT	ASH1L	cg26185843	-0.06726413557896	156	-0.836620746452909	0.404102106532775	0.00452446393518471	0.600599590207434
TGCT	ASH2L	cg00590869	0.146080596971829	156	1.83247000452358	0.0688129183902651	0.0213395408116461	0.182022987761143
TGCT	ASH2L	cg01642070	-0.117188957434261	156	-1.46436673715607	0.145132153618966	0.013733251744529	0.308851902488312
TGCT	ASH2L	cg02897270	0.0607391726424556	156	0.755147560112444	0.451313804382357	0.00368924709329002	0.641937836617502
TGCT	ASH2L	cg03189282	-0.181443920888823	156	-2.28966532658305	0.0233989353651794	0.0329218964275094	0.0819763398505685
TGCT	ASH2L	cg03705346	0.120572613075107	156	1.50726300044475	0.133791884241408	0.0145377550237596	0.291877507848988
TGCT	ASH2L	cg10062221	0.0509094318210245	156	0.632589729871559	0.527939733072489	0.00259177024833954	0.706442136576103
TGCT	ASH2L	cg21453287	-0.037031426009237	156	-0.459863330982089	0.646262892946274	0.0013713265122776	0.792582569344597
TGCT	ASH2L	cg24318412	0.00792418611341562	156	0.098339651133413	0.921790475865274	6.2792725560049e-05	0.959007498429024
TGCT	ASH2L	cg27255459	0.0796439027724574	156	0.991504475321574	0.322994624798622	0.00634315124882865	0.522413485832758
TGCT	ASXL1	cg00174466	-0.0693293600990934	156	-0.862429890091029	0.389792011391993	0.00480656017174977	0.587379752721137
TGCT	ASXL1	cg04218270	-0.0125840710259298	156	-0.156176581030745	0.876098378107526	0.000158358843585645	0.934413650125404
TGCT	ASXL1	cg09065199	-0.0243406382767953	156	-0.302148897187228	0.762946236311763	0.000592466671721793	0.868122094920758
TGCT	ASXL1	cg10421984	-0.109806429198642	156	-1.37095211048306	0.172384530910686	0.0120574518933564	0.34692728031042
TGCT	ASXL1	cg12592359	0.174373569341389	156	2.19758706373478	0.0294718540234103	0.0304061416848561	0.0974014789029773
TGCT	ASXL1	cg16926526	-0.118138710084107	156	-1.47640192877078	0.141877911251806	0.0139567548203366	0.304123504571889
TGCT	ASXL1	cg18793288	0.135835810344716	156	1.70144818225424	0.0908769525995315	0.0184513673720057	0.222345000960119
TGCT	ASXL1	cg24727216	0.274582617353223	156	3.54368757778507	0.000522646142929178	0.0753956137525464	0.00389227781380744

TGCT	ASXL2	cg05165989	0.0344681414153411	156	0.427992700662802	0.669254372641588	0.00118805277262795	0.808271139742157
TGCT	ASXL2	cg05496738	0.0640521156264803	156	0.796501423185722	0.426966827069794	0.00410267351622801	0.621357214993931
TGCT	ASXL2	cg06583696	-0.0609466718915785	156	-0.757736922968069	0.449766413174052	0.00371449681465972	0.640908694273298
TGCT	ASXL2	cg09476286	0.017511700776943	156	0.217347820088178	0.828224989498879	0.000306659664101187	0.907644578900675
TGCT	ASXL2	cg19084174	0.00230672092481869	156	0.0286257300276821	0.977200153677076	5.3209614249964e-06	0.988046643555426
TGCT	ASXL2	cg20667782	0.0947795269549308	156	1.18150177865057	0.23922476452198	0.00898315872980045	0.431055661802899
TGCT	ASXL2	cg24738909	0.00895215795914784	156	0.111097810541737	0.91168344669173	8.0141132125534e-05	0.953118919678633
TGCT	ASXL3	cg09963640	-0.156316925377516	156	-1.96398540024051	0.051332212372459	0.0244349811594798	0.14707886005315
TGCT	ASXL3	cg12361352	-0.0540525628198406	156	-0.671756711076609	0.502745072512649	0.00292167954739281	0.686282443472408
TGCT	ASXL3	cg17880622	-0.241718924804803	156	-3.09132207736317	0.00236579316840923	0.0584280386087898	0.0136167885279097
TGCT	ASXL3	cg20034091	-0.0421636225100989	156	-0.523702513747773	0.601238301197839	0.00177777106317412	0.761008004746459
TGCT	ASXL3	cg20329085	-0.0748312750401549	156	-0.931242711212395	0.353185606994679	0.00559971972413531	0.552231400702337
TGCT	ASXL3	cg24880056	-0.19933350543326	156	-2.5243225903504	0.0126049520680858	0.0397338463883117	0.0511149729558314
TGCT	ASXL3	cg27109877	-0.0572482172909945	156	-0.711598732417543	0.477789822596853	0.00327735838299693	0.665434618026382
TGCT	ATAD2B	cg08192560	0.0705508798777805	156	0.8777007464452429	0.381473531728339	0.00497742665152901	0.579914334373602
TGCT	ATAD2B	cg14009731	-0.179809277842459	156	-2.26834509932499	0.0246979841608806	0.0323313763982268	0.0854315242246129
TGCT	ATAD2B	cg15717719	0.00324323884746714	156	0.0402477473285651	0.967947742601883	1.051859822172e-05	0.983189620932403
TGCT	ATAD2B	cg16929802	0.201338167620254	156	2.55077627819966	0.0117237243040172	0.0405370577406815	0.0482762761225235
TGCT	ATAD2B	cg17933838	0.131171102267339	156	1.64197767848865	0.10263514926666	0.0172058580700286	0.242679517402222
TGCT	ATAD2B	cg19614157	-0.269141572987568	156	-3.46792328753657	0.00068016048965767	0.0724371863102223	0.00486461387629206
TGCT	ATAD2B	cg20806130	-0.278168466752313	156	-3.59381967904103	0.000438041527038849	0.0773776958953327	0.00335139678938436
TGCT	ATAD2B	cg27610867	-0.34891263973985	156	-4.62025045723999	8.04540278495586e-06	0.12174003017023	0.000108153458485028
TGCT	ATAT1	cg01245721	0.371337964866262	156	4.96305224057918	1.81973800509627e-06	0.137891884151017	2.90389124858377e-05
TGCT	ATAT1	cg05093836	-0.0305331645490193	156	-0.379083353439367	0.705148128037752	0.00093227413737749	0.831735656253888
TGCT	ATAT1	cg06814856	-0.148284209752703	156	-1.86072940851074	0.0646891124517314	0.0219882068619835	0.173933737050081
TGCT	ATAT1	cg07142893	-0.0449108655802758	156	-0.557892099235169	0.577728176685505	0.0020169858471696	0.744200983194333
TGCT	ATAT1	cg07816366	-0.0338367392657973	156	-0.420143476784906	0.674966262167789	0.00114492492414155	0.812061578302013
TGCT	ATAT1	cg08081524	-0.0796954557760187	156	-0.992150371002593	0.322680514867767	0.00635136567134735	0.522092728790471
TGCT	ATAT1	cg08188471	0.206007494089454	156	2.61252331426622	0.0098778912264641	0.0424390876210164	0.0422127373144116
TGCT	ATAT1	cg08635134	-0.156866743357957	156	-1.97106734333533	0.0505084937791311	0.0246071751717311	0.145371925156451
TGCT	ATAT1	cg09532691	0.00206773928204558	156	0.025660024530544	0.979561729458942	4.27554573851438e-06	0.989508455585522
TGCT	ATAT1	cg12907138	0.00923102530528179	156	0.114558892446742	0.908943989405072	8.52118281867527e-05	0.951621147492173
TGCT	ATAT1	cg13542073	0.209267841376848	156	2.65574823979311	0.0087459312147705	0.0437930294345255	0.0384548111073224
TGCT	ATAT1	cg13964084	-0.0524932250999209	156	-0.65232316295989	0.515165210543749	0.00275553868139097	0.696563177006004
TGCT	ATAT1	cg15381130	0.131628285300457	156	1.64780134402984	0.101432261455626	0.0173260054911386	0.240713059662823
TGCT	ATAT1	cg15729859	-0.145703681939932	156	-1.82763920362282	0.0695392428240503	0.021229562930853	0.183511189800801
TGCT	ATAT1	cg18298197	0.18934390792299	156	2.39298317578156	0.0179164365061289	0.0358511154675497	0.0668902078781876
TGCT	ATAT1	cg20629923	0.0360925183919247	156	0.44818839019588	0.65464715050395	0.00130266988387142	0.798576520256288
TGCT	ATAT1	cg22759096	0.0802171584598384	156	0.998687115202447	0.319512910681256	0.00643479251137082	0.51884249428137
TGCT	ATAT1	cg23328390	0.0630642197999067	156	0.784167294205537	0.434146448457281	0.00397709581897094	0.627650147142781
TGCT	ATAT1	cg26934609	-0.135353869554514	156	-1.69529863818563	0.0920397073351967	0.0183206700033803	0.224378333252931
TGCT	ATF7IP	cg00236831	0.0339383940999758	156	0.421407156230186	0.6740453924499	0.00115181459408527	0.811597303639224
TGCT	ATF7IP	cg11409060	-0.0433487077454408	156	-0.538449456986086	0.591044214064485	0.00187911046319964	0.75385197627486
TGCT	ATF7IP	cg12526346	-0.0724378791209138	156	-0.901298216541122	0.368837175004584	0.00524724633153612	0.567566396841196
TGCT	ATF7IP	cg12948116	-0.0511994914347651	156	-0.63620339468417	0.525588275435227	0.00262138792317858	0.704466098784541
TGCT	ATF7IP	cg17439009	0.132888878054767	156	1.66386451715389	0.0981730711885542	0.0176594539106549	0.23494874147473
TGCT	ATF7IP	cg19789919	0.00137606649931645	156	0.0170765523394357	0.986397648524407	1.89355901054103e-06	0.992881229062285
TGCT	ATF7IP	cg21275967	0.171377488961004	156	2.15867536344937	0.0324242420530085	0.0293702437225791	0.104590599422472
TGCT	ATF7IP	cg26637901	-0.220371920362987	156	-2.80366924177187	0.00570316946602635	0.0485637832844705	0.0275521558368039
TGCT	ATM	cg01756564	-0.0778272619463599	156	-0.968749274974063	0.334189282679877	0.00605708270206732	0.533742058914399
TGCT	ATM	cg01800843	-0.374154798874865	156	-5.00680166014658	1.49771324934404e-06	0.139991813521091	2.4431349238723e-05
TGCT	ATM	cg01991180	-0.150140232450402	156	-1.88455324164125	0.0613744869097033	0.0225420894002607	0.16734754808791
TGCT	ATM	cg02105423	0.0713690323133131	156	0.887930640943574	0.375962767748001	0.00509353877333872	0.574495252670067
TGCT	ATM	cg03165700	-0.216406172210009	156	-2.75071244867908	0.00665956957724917	0.046831631370588	0.0311473910715158
TGCT	ATM	cg03569616	-0.216366625111389	156	-2.75018507954695	0.00666978597148681	0.0468145164620925	0.0311763052208313
TGCT	ATM	cg04709886	-0.064968299691462	156	-0.807942313344954	0.420370040959449	0.00422087996479962	0.615572763803207
TGCT	ATM	cg04826772	-0.11203494482264	156	-1.39912562292824	0.163786210909505	0.0125518288614121	0.334968813291013

TGCT	ATM	cg05033322	-0.147859686219211	156	-1.85528307658915	0.0654674575918788	0.0218624868088435	0.175487225660812
TGCT	ATM	cg05637308	-0.282337624786616	156	-3.65231170961477	0.000355664781490579	0.0797145343701481	0.00281814891131372
TGCT	ATM	cg06053805	0.044502365436893	156	0.552807509571086	0.581196759274965	0.00198046052947877	0.746748811691668
TGCT	ATM	cg06081482	-0.139167093804143	156	-1.74398912633167	0.0831563524412882	0.0193674799978911	0.20861895842554
TGCT	ATM	cg06750635	0.0320202931111781	156	0.39756525148884	0.691501198011058	0.00102529917092576	0.822761944206786
TGCT	ATM	cg09808176	-0.247684228346535	156	-3.17253401835302	0.00182443087611303	0.0613474769716183	0.0110313831475468
TGCT	ATM	cg10610482	-0.135029109250428	156	-1.69115540206612	0.0928298928398135	0.0182328603449641	0.225827545866319
TGCT	ATM	cg10976287	-0.13486874995822	156	-1.68910977061856	0.0932220523837978	0.0181895797152927	0.226501228782096
TGCT	ATM	cg11588932	-0.134426340127143	156	-1.68346684754908	0.0943107963051628	0.0180704409199784	0.228376208919997
TGCT	ATM	cg12019961	-0.238540777564257	156	-3.0482073825627	0.00271022868936307	0.0569017025609602	0.0151890736013479
TGCT	ATM	cg12106634	-0.193835891114302	156	-2.45194379286365	0.0153261099836128	0.0375723526840756	0.0593705507452032
TGCT	ATM	cg12848864	-0.165941896663213	156	-2.08823707851158	0.0384222979399767	0.0275367130681846	0.118819535933477
TGCT	ATM	cg14761454	-0.355789368065087	156	-4.72436311894043	5.16141016263346e-06	0.126586074428154	7.31644938396332e-05
TGCT	ATM	cg15370815	0.0252301403912256	156	0.313197508667062	0.754554383679103	0.000636559984160954	0.862927844936084
TGCT	ATM	cg15504467	-0.239425434275583	156	-3.06019811388686	0.00261006172469426	0.0573245385780516	0.0147242307332027
TGCT	ATM	cg16693212	-0.188568598263678	156	-2.38282255221327	0.0183999963516747	0.0355581162511282	0.0682761419595604
TGCT	ATM	cg16788234	0.000650087991086593	156	0.0080673815152584	0.993573671866477	4.22614396155003e-07	0.996651598784732
TGCT	ATM	cg17114932	-0.215504511209463	156	-2.73869212767353	0.00689599483566742	0.0464421943516294	0.0320412723075859
TGCT	ATM	cg17420659	-0.239919528800569	156	-3.06689864017546	0.00255558711104651	0.0575613802998868	0.014491533181482
TGCT	ATM	cg18042593	-0.198774959398227	156	-2.51695786680409	0.0128606023280263	0.0395114844837669	0.0519210567946621
TGCT	ATM	cg18391757	0.18687388809315	156	2.36062901335794	0.0194965215230281	0.0349218500510511	0.0713914989579875
TGCT	ATM	cg18457775	-0.0613590923328549	156	-0.762883770456597	0.446699716178864	0.00376493821191181	0.63845666318357
TGCT	ATM	cg19288979	-0.129885764082959	156	-1.62561054749304	0.106077242461185	0.0168703117114141	0.248394828728716
TGCT	ATM	cg20342375	-0.125198291788003	156	-1.56599157238036	0.119403136349096	0.0156746122666339	0.269815745937235
TGCT	ATM	cg22477592	-0.170044020826116	156	-2.14137681528903	0.0338168357391413	0.0289149690187127	0.107945792929743
TGCT	ATM	cg22678707	-0.189769636949627	156	-2.39856443222176	0.017655628055215	0.0360125151079932	0.0661609792354235
TGCT	ATM	cg22837512	0.00867654074676001	156	0.107677092212492	0.914391998060019	7.52823593301868e-05	0.954808809238549
TGCT	ATM	cg23275463	-0.196048593763407	156	-2.48104579156456	0.0141747586627907	0.0384350511166094	0.0558617616723983
TGCT	ATM	cg23389069	-0.186847115019599	156	-2.3602785751184	0.0195142884966494	0.0349118443911474	0.0714498310024164
TGCT	ATM	cg24030675	-0.0114395182292916	156	-0.141969977475374	0.887289280256645	0.000130862577318295	0.940108350079743
TGCT	ATM	cg24568245	-0.15389779191491	156	-1.93284782874757	0.0550898462593465	0.0236845303562851	0.154811960405289
TGCT	ATM	cg25400013	0.00662174187483788	156	0.0821754572427406	0.934613898658199	4.38474654569815e-05	0.965235823383904
TGCT	ATM	cg25740661	0.00923784807809647	156	0.11464357166201	0.908876979102278	8.53378371139907e-05	0.951602085518308
TGCT	ATM	cg25918541	-0.256429281303278	156	-3.29228794196774	0.00123251801054074	0.0657559763097159	0.00799353948411894
TGCT	ATM	cg27453365	-0.231139404502287	156	-2.94819993809551	0.0036945244899538	0.053425424313672	0.019453894556076
TGCT	ATM	cg27599391	-0.236599601070662	156	-3.02192461444809	0.00294231301718972	0.0559793712267966	0.0162106443951315
TGCT	ATR	cg00911981	-0.0117641382961666	156	-0.145999220108671	0.884112936886839	0.000138394949851333	0.93857460930628
TGCT	ATR	cg00969988	0.0782208465941455	156	0.973678475158785	0.331743123524603	0.00611850084190484	0.531458495705786
TGCT	ATR	cg11458642	-0.0604392587397182	156	-0.751405137391045	0.453555624503561	0.0036529039970066	0.643866902420256
TGCT	ATR	cg11936145	-0.0506173878133161	156	-0.628851504927656	0.530312629886604	0.00256211994904364	0.708230600837728
TGCT	ATR	cg15135999	-0.233991150227584	156	-2.98666750331302	0.00328243667224944	0.0547518583848278	0.0176916554592714
TGCT	ATR	cg15291273	0.0977346953062204	156	1.21869014609603	0.224825395688165	0.00955207066659974	0.414132712148441
TGCT	ATR	cg15480357	-0.0109669591427804	156	-0.136104569030535	0.891916370222613	0.000120274192839414	0.942742902749428
TGCT	ATR	cg16031872	-0.0562385810233284	156	-0.699008716929752	0.485600937946128	0.00316277799551747	0.672161833503809
TGCT	ATR	cg17945282	-0.166165913809206	156	-2.09113613523533	0.0381578262057916	0.0276111109120484	0.118255514773857
TGCT	ATR	cg20032934	-0.257376059176596	156	-3.3053042406656	0.00118031838208266	0.0662424358372746	0.0077076880899638
TGCT	ATR	cg20636078	-0.337585300083753	156	-4.45059589837812	1.63449383041028e-05	0.113963834832638	0.00020075817442388
TGCT	ATR	cg24631870	0.0343465243223204	156	0.426480788171199	0.670353104597943	0.00117968373302375	0.809032864597532
TGCT	ATR	cg24856922	-0.0923793466726156	156	-1.1513207229862	0.251384689858378	0.0085339436916593	0.445066467065149
TGCT	AURKB	cg02245743	0.0809814215926332	156	1.0082645462641	0.314909059850369	0.0065579906431638	0.51401535227311
TGCT	AURKB	cg04612488	-0.310222687259184	156	-4.04955130306267	8.10742341080389e-05	0.0962381156903095	0.000803246175267547
TGCT	AURKB	cg05617798	0.234874493235477	156	2.99859951429669	0.00316347678011953	0.0551660275726223	0.017197729743719
TGCT	AURKB	cg05811247	-0.270454479568654	156	-3.48617181606961	0.000638589942406861	0.0731456255187515	0.00461267093589595
TGCT	AURKB	cg11009596	0.0858448047975781	156	1.0692531369893	0.286628726936555	0.00736933051073429	0.483981489479561
TGCT	AURKB	cg12844497	0.176810108414815	156	2.22927805756537	0.0272426770925246	0.0312618144376585	0.0918605965492434
TGCT	AURKB	cg13678641	-0.367418136497637	156	-4.90243579405363	2.37897825501138e-06	0.134996087027396	3.68225695126055e-05
TGCT	AURKB	cg21724796	-0.360442654139668	156	-4.79530984114739	3.7996756084192e-06	0.129918906923248	5.58141926513148e-05

TGCT	BAP1	cg00794529	0.061552751715924	156	0.765300699771776	0.445263769216552	0.00378874124380219	0.637212098278742
TGCT	BAP1	cg02503646	-0.211572365608552	156	-2.68635685596642	0.00801661546641343	0.0447628658891988	0.0359885238294557
TGCT	BAP1	cg03075736	-0.332015441078123	156	-4.36798160731686	2.29299037919714e-05	0.1102342531143	0.000269946872819707
TGCT	BAP1	cg05442719	0.145872491990326	156	1.82980268804324	0.0692131747425406	0.0212787839194676	0.182831317075765
TGCT	BAP1	cg05908979	0.282599889976961	156	3.65599867961157	0.000350996071876425	0.0798626978149906	0.00278541144706259
TGCT	BAP1	cg09096430	-0.184136410269538	156	-2.32482565339799	0.0213871867515928	0.0339062175869518	0.0766513777827979
TGCT	BAP1	cg10449522	-0.155456934357146	156	-1.95291201634475	0.0526429306108034	0.0241668584397219	0.149780708943634
TGCT	BAP1	cg10956904	-0.221913279126192	156	-2.82429109862474	0.00536588640001854	0.0492455034525393	0.0262421428681111
TGCT	BAP1	cg11234564	-0.0511475475517659	156	-0.635556247658871	0.526008984305227	0.00261607162056015	0.704769779288361
TGCT	BAP1	cg12859382	0.276314927934085	156	3.56788606363402	0.000480050705221719	0.0763499393992187	0.00361870780639713
TGCT	BAP1	cg16841708	0.127859229082651	156	1.59988212429964	0.111687594002843	0.0163479824616098	0.257631569691835
TGCT	BAP1	cg24291822	-0.123568137372139	156	-1.54528316903336	0.124330278013056	0.0152690845736198	0.277393301816787
TGCT	BAP1	cg24747396	0.288320159589447	156	3.73663895308442	0.000262263131363176	0.0831285144256842	0.0021799869688286
TGCT	BAP1	cg25749966	-0.291441103207458	156	-3.78081896266826	0.000223124887824349	0.0849379166387802	0.00190159701176681
TGCT	BAZ1A	cg05294307	0.460603817573321	156	6.4397312556738	1.44629925229047e-09	0.212155876763117	4.63972800134784e-08
TGCT	BAZ1A	cg07414384	-0.120714835525754	156	-1.50906718048226	0.133330536534253	0.0145720715160099	0.291252511375372
TGCT	BAZ1A	cg23422263	0.0690516695832217	156	0.858958946419632	0.391698194439653	0.00476813307223043	0.588754990251278
TGCT	BAZ1A	cg26967526	0.519588152239113	156	7.54657332224252	3.64531090295919e-12	0.269971847947256	1.8792797639815e-10
TGCT	BAZ1B	cg00525989	-0.023613220316849	156	-0.293114087145349	0.769829548928029	0.00055758417373205	0.872419659256287
TGCT	BAZ1B	cg04742505	0.141217557846931	156	1.77020375005611	0.0786719150029223	0.0199423986442512	0.200484913543333
TGCT	BAZ1B	cg05166819	-0.103998290284714	156	-1.2976212245041	0.196357877057439	0.0108156443821437	0.37842326242431
TGCT	BAZ1B	cg06059318	-0.050464070536217	156	-0.627041574233031	0.531560496726225	0.00254662241508428	0.709211036365941
TGCT	BAZ1B	cg06394887	0.165481928293822	156	2.08228556497276	0.0389701690055234	0.0273842685918417	0.120169863945445
TGCT	BAZ1B	cg14093368	-0.0418786724953434	156	-0.520156990264884	0.603701108901052	0.00175382320997223	0.762683472219785
TGCT	BAZ1B	cg15636799	-0.119624011318377	156	-1.49523180178791	0.1369003396458	0.0143099040838991	0.296658078618534
TGCT	BAZ1B	cg19160975	-0.0129385792820279	156	-0.160576987737867	0.872637025474533	0.000167406833837322	0.932511216127457
TGCT	BAZ1B	cg20612831	0.05813661739094	156	0.722678761179445	0.470973333454159	0.00337986628166055	0.659364361990621
TGCT	BAZ1B	cg21340129	-0.0391709477814561	156	-0.486472034024067	0.627324110120629	0.00153436315009756	0.77972250431744
TGCT	BAZ1B	cg25710357	0.209852140976991	156	2.66350448413654	0.00855566675722879	0.044037921072627	0.0378320661463001
TGCT	BAZ2A	cg14634319	-0.268738597624569	156	-3.4623263851001	0.000693410912944163	0.0722204338532198	0.00494801032485583
TGCT	BAZ2A	cg18206859	-0.223236374126969	156	-2.84201055698114	0.00509071160602277	0.0498344787333559	0.0251456096732699
TGCT	BAZ2A	cg18955060	-0.241390741621559	156	-3.08686508846639	0.00239942584310608	0.0582694901406062	0.01377164925768
TGCT	BAZ2A	cg25683012	-0.241899814181726	156	-3.09377918061916	0.00234743862770479	0.0585155201011534	0.0135311677981377
TGCT	BRD7	cg03021120	-0.31142936654838	156	-4.066991101773	7.57889037021823e-05	0.096988250348725	0.000759196751816581
TGCT	BRD7	cg16433860	-0.293237395411601	156	-3.80630692764897	0.000203134391204922	0.0859881700677797	0.00175897560434058
TGCT	BRD7	cg16834187	-0.0590157731240274	156	-0.733645191082747	0.464280424405226	0.00348286147742668	0.653546210733379
TGCT	BRD8	cg01096096	0.232519835460944	156	2.96681064594284	0.00348956174303425	0.0540654738827844	0.0185999976867151
TGCT	BRD8	cg03204906	-0.0737314816921039	156	-0.917480888927155	0.360325333229916	0.00543633139251304	0.559223397166903
TGCT	BRD8	cg03684156	-0.0850232094187124	156	-1.0589447508684	0.291283060527458	0.00722894613985823	0.488869399608929
TGCT	BRD8	cg07430605	0.0266054481175861	156	0.330281844018033	0.741635894937254	0.000707849869537564	0.854636825424376
TGCT	BRD8	cg07632946	-0.25743105413616	156	-3.30606062395197	0.00117734936892097	0.0662707476336544	0.00769088225760667
TGCT	BRD8	cg08976717	-0.0709527538877991	156	-0.882725272534648	0.37876055354458	0.00503429328426259	0.577301978379303
TGCT	BRD8	cg11110536	-0.0432139982667798	156	-0.536773047957796	0.592199010655735	0.00186744964620125	0.754583892417831
TGCT	BRD8	cg11346339	0.101815724870451	156	1.27010027812399	0.205964573692781	0.0103664418308954	0.390358496854468
TGCT	BRD8	cg12964860	-0.13772511049047	156	-1.72556748457188	0.0864311260550627	0.0189682060596122	0.214647183410297
TGCT	BRD8	cg14473243	0.0875543894921798	156	1.09071000918899	0.277104122956674	0.00766577111934833	0.47387253354219
TGCT	BRD8	cg22106577	0.0231250874867072	156	0.287051552241208	0.77445871261973	0.000534769671267863	0.875001686000134
TGCT	BRD8	cg22818036	0.0167574268984505	156	0.20798340305742	0.835516728252585	0.000280811356256913	0.911871329372637
TGCT	BRD8	cg23298160	-0.124698752777868	156	-1.55964439835233	0.120896621584384	0.0155497789443558	0.27202542560888
TGCT	BRD8	cg26008208	0.00496497846211228	156	0.0616145218089987	0.950949704916252	2.46510111292388e-05	0.974102065234774
TGCT	BRD8	cg26630792	0.286551524834534	156	3.71165998862152	0.000287181414745663	0.0821117763849968	0.00235611047415981
TGCT	BRD8	cg27119451	-0.0449563369026045	156	-0.55845809678795	0.57734267632025	0.00202107222770048	0.743889165769375
TGCT	BRD9	cg02364331	-0.270144497839553	156	-3.48186138897492	0.000648188222031075	0.0729780497129844	0.00467202395484902
TGCT	BRD9	cg02822723	0.210168471779411	156	2.66770484020995	0.00845419709754149	0.044170786530093	0.0374904305808282
TGCT	BRD9	cg05193570	-0.0374691448205774	156	-0.465306604276113	0.642369221749651	0.0014039368135854	0.78997997713722
TGCT	BRD9	cg07308931	-0.28807703360364	156	-3.73320274660286	0.000265565269963658	0.0829883772898726	0.00220413790798601
TGCT	BRD9	cg09497020	-0.276920835739618	156	-3.57635880402855	0.000465925490420645	0.0766851492667286	0.0035351320862425

TGCT	BRD9	cg10551270	-0.357362387949297	156	-4.74830083412929	4.65623641341333e-06	0.127707876320824	6.68439297924112e-05
TGCT	BRD9	cg10600960	-0.279046495062663	156	-3.60611969375274	0.000419351704642168	0.0778669464067567	0.00322968483426719
TGCT	BRD9	cg13722821	-0.290028823356077	156	-3.76081053980555	0.000240109700069893	0.0841167183773102	0.00202351792950247
TGCT	BRD9	cg17977043	-0.194773398231034	156	-2.46426933472278	0.0148286973287567	0.0379366766584649	0.0578440395122748
TGCT	BRD9	cg20079193	-0.0610223295013044	156	-0.758681071400894	0.449202950906282	0.00372372469776577	0.640434241048352
TGCT	BRD9	cg21160852	0.28406580135161	156	3.67662316122794	0.000325929299144458	0.0806933794975322	0.00261935370843429
TGCT	BRD9	cg21758832	0.0357764064023828	156	0.444257932964709	0.657479768073757	0.00127995125506846	0.800485528548764
TGCT	BRD9	cg21910709	-0.0912801754424498	156	-1.13750599013155	0.25709353705092	0.00833207042880441	0.45152578443028
TGCT	BRD9	cg24953233	-0.195989434582537	156	-2.48026720533216	0.0142045295040516	0.0384118584679826	0.0559511102916785
TGCT	BRD9	cg25523559	-0.0363435966749352	156	-0.45131033055458	0.652400787443887	0.00132085701927036	0.796960992076531
TGCT	BRD9	cg25951128	-0.29099148838166	156	-3.77444613877	0.000228407038328168	0.0846760463105739	0.00194044961665409
TGCT	BRD9	cg26504197	-0.151039756354349	156	-1.89610681087357	0.0598188825964838	0.0228130079995811	0.164291267527303
TGCT	BRDT	cg00308185	-0.608718949222778	156	-9.52122186030153	3.45988534002882e-17	0.370538759142883	3.51840941362356e-15
TGCT	BRDT	cg01515515	-0.509709488173765	156	-7.35207014215585	1.07710586243327e-11	0.259803762334362	5.0832893742498e-10
TGCT	BRDT	cg02935097	-0.580675001098084	156	-8.8510912919344	1.92981859655485e-15	0.337183456900259	1.58363193987751e-13
TGCT	BRDT	cg03421440	-0.562928298822919	156	-8.45215728897289	2.02803902532906e-14	0.316888269615665	1.46898759717364e-12
TGCT	BRDT	cg06442199	-0.545906022256076	156	-8.08562936782613	1.7035184469262e-13	0.298013385135451	1.08893602350186e-11
TGCT	BRDT	cg09250199	-0.585326379234764	156	-8.9587189045975	1.0172320606381e-15	0.342606970228079	8.65804714718604e-14
TGCT	BRDT	cg13299824	-0.576775433624034	156	-8.76186904576224	3.27555659371098e-15	0.332669900832193	2.62159104579374e-13
TGCT	BRDT	cg14732540	-0.561907979174436	156	-8.42975914615874	2.31190831339758e-14	0.315740577059899	1.6576276067507e-12
TGCT	BRDT	cg19245011	-0.482604244987355	156	-6.83797404217506	1.77195414633634e-10	0.232906857279815	6.73740962170525e-09
TGCT	BRPF1	cg04879506	0.0253679030217578	156	0.314908740580337	0.753257220539342	0.000643530503721309	0.861968379283349
TGCT	BRPF1	cg13694772	0.177521251309189	156	2.23853552694283	0.0266198650190277	0.0315137946663802	0.0903046301801082
TGCT	BRPF1	cg14712964	-0.219373028223552	156	-2.79031685274597	0.00593173757366239	0.0481245255119713	0.0284216305004615
TGCT	BRPF1	cg17738494	-0.0571940143376567	156	-0.710922774284691	0.478207431446146	0.00327115527605608	0.665777849954749
TGCT	BRPF1	cg20952324	0.0992690478988314	156	1.23801148513764	0.217595840577903	0.00985434387074047	0.405132489814455
TGCT	BRPF1	cg25467642	-0.107964289984022	156	-1.34767909475503	0.179740887457268	0.0116562879117541	0.35671222732342
TGCT	BRPF1	cg26227975	0.0926789467651018	156	1.1550869260572	0.24984394080067	0.00858938717348857	0.443448768666377
TGCT	BRPF3	cg01499736	-0.211580058050181	156	-2.68645910492288	0.00801427418106031	0.044766120964518	0.0359862883487103
TGCT	BRPF3	cg05882415	-0.110856002118266	156	-1.38421846771835	0.168294192774006	0.012289053205645	0.341380366422285
TGCT	BRPF3	cg10562781	-0.0153530879593452	156	-0.19054927023794	0.849129699624949	0.00023571730988739	0.919549048859957
TGCT	BRPF3	cg14654948	0.191620513478858	156	2.42284556407147	0.0165596882491516	0.0367184211859012	0.0629394365670559
TGCT	BRPF3	cg18779695	-0.23188864199017	156	-2.95829867221235	0.00358197317490462	0.0537723422840452	0.0189866024188047
TGCT	BRPF3	cg23517469	-0.285088494592337	156	-3.69102842897563	0.000309435259174386	0.0812754497489252	0.00250882819720815
TGCT	BRWD3	cg03164831	-0.0983521137625739	156	-1.22646392653705	0.221896077057683	0.00967313828156628	0.410330253122855
TGCT	BRWD3	cg05835545	-0.121162116202613	156	-1.51474182860206	0.13188757124028	0.0146802584026955	0.288951901156116
TGCT	BRWD3	cg09523186	-0.141962896414623	156	-1.77973844154787	0.077090942599943	0.020153463958429	0.197732040508406
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TGCT	BRWD3	cg15511898	-0.0222861521481417	156	-0.276632581424175	0.782433175429393	0.00049667257757012	0.879807992740259
TGCT	BRWD3	cg22618269	-0.153093624237903	156	-1.92250500098189	0.0563881550138018	0.0234376577822962	0.157431098591146
TGCT	BRWD3	cg25063710	-0.125775427657559	156	-1.57332620380194	0.117695524456269	0.0158194582024418	0.267213012300236
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TGCT	CARM1	cg12317676	0.0625700555960778	156	0.777998399942766	0.437763592684416	0.00391501185729627	0.630655202394286
TGCT	CARM1	cg17918830	-0.386452221465973	156	-5.19971476366579	6.26252427266767e-07	0.149345319475986	1.12983954839496e-05
TGCT	CARM1	cg22378614	-0.248175456047458	156	-3.1792385807733	0.0017853132488467	0.0615910569843639	0.0108369740075515
TGCT	CARM1	cg26504915	-0.370060108875163	156	-4.94325786973515	1.98662974214529e-06	0.136944484180698	3.14189332673518e-05
TGCT	CBX1	cg01544580	0.194228119446786	156	2.45709962401564	0.0151162630744267	0.0377245623838348	0.0587255532242189
TGCT	CBX1	cg01553295	0.261638228573997	156	3.36402751236389	0.000969461780800412	0.0684545626513391	0.00654275264818142
TGCT	CBX1	cg02835499	-0.178281711920028	156	-2.24843900792313	0.0259673749765209	0.0317843688051358	0.0886555766226398
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TGCT	CBX1	cg12245530	-0.0454853970725439	156	-0.565043751510602	0.572866211277515	0.00206892134684699	0.740414587807326
TGCT	CBX1	cg13342109	0.245537929338317	156	3.14327056198422	0.00200465762837244	0.0602888747437485	0.0119214532070828
TGCT	CBX1	cg17778721	0.0317923718571996	156	0.394732498519093	0.693586466755651	0.00101075490830646	0.8242323540808
TGCT	CBX1	cg21511817	0.0604032408035151	156	0.750955707686855	0.45382527202901	0.00364855149956743	0.64412039941298
TGCT	CBX4	cg04398978	-0.314018875992661	156	-4.10449026968095	6.55165042225107e-05	0.0986078544796942	0.000672009340530617
TGCT	CBX4	cg04925705	-0.109750177236511	156	-1.37024123026477	0.172605813805531	0.0120451014034456	0.347265023901194

TGCT	CBX4	cg05949524	0.0445198086409075	156	0.553024618938191	0.581048451698107	0.00198201336142302	0.746722226375302
TGCT	CBX4	cg07159673	-0.478418499680994	156	-6.76096272283036	2.67268503236363e-10	0.228884260837013	9.81675445739833e-09
TGCT	CBX4	cg10756274	-0.023945729417629	156	-0.297243919035662	0.766680861997907	0.000573397957342303	0.870665094642062
TGCT	CBX4	cg21365914	0.0836495658011405	156	1.0417147794115	0.299176548435679	0.00699724985871933	0.497491405190031
TGCT	CBX4	cg22353329	-0.312157798960605	156	-4.07752946932111	7.27563403905579e-05	0.0974424914519292	0.000732592123264698
TGCT	CBX4	cg27487227	0.184974468996486	156	2.33578059615578	0.0207922570910141	0.034215554180532	0.0750168281299671
TGCT	CBX5	cg03689456	-0.0701745708957113	156	-0.872995696645905	0.38402460132461	0.00492447040039721	0.582218908595718
TGCT	CBX5	cg05754589	0.00820460762671732	156	0.101819930132792	0.919032059030661	6.7315586308388e-05	0.957315319419831
TGCT	CBX5	cg06399839	-0.0942490624074912	156	-1.17482968419845	0.241876210730447	0.00888288576469116	0.434196370777479
TGCT	CBX5	cg06621757	0.0359273002725343	156	0.446134092789421	0.656127026827706	0.00129077090487284	0.799574963513874
TGCT	CBX5	cg08288469	0.0576507739967176	156	0.716619163826999	0.474694496922647	0.00332361174242061	0.662594579398209
TGCT	CBX5	cg09060496	-0.0956838299626066	156	-1.19287829532832	0.234751677525821	0.00915539531631302	0.42581309460557
TGCT	CBX5	cg09158487	-0.123783254771373	156	-1.54801514664188	0.123671232705326	0.0153222941617945	0.276438234550991
TGCT	CBX5	cg09653879	0.076701374881023	156	0.954651327878356	0.341250160998657	0.00588310090863923	0.54049537872156
TGCT	CBX5	cg11005091	0.159690046992191	156	2.00746272709803	0.0464496169434572	0.0255009111083681	0.136673153315152
TGCT	CBX5	cg11338003	-0.0353725694685522	156	-0.439236919852023	0.661105565933206	0.00125121867080755	0.802829278284882
TGCT	CBX5	cg12263485	-0.0710441339771814	156	-0.883867898312225	0.378145308176065	0.0050472689725677	0.57676723598637
TGCT	CBX5	cg12600134	-0.0632982469118935	156	-0.7870889712643	0.432439420189374	0.00400666806211903	0.626162235309016
TGCT	CBX5	cg13445218	0.0752168936754564	156	0.936068801624641	0.350703340579971	0.00565758109418492	0.549675941432854
TGCT	CBX5	cg14017196	-0.0462895044929671	156	-0.575054063784665	0.566093932513979	0.00214271822620442	0.735217461502672
TGCT	CBX5	cg14394617	0.118353409966	156	1.47912315714237	0.141150012358796	0.0140075296505801	0.303109212401447
TGCT	CBX5	cg15708001	-0.14196955822396	156	-1.77982367618088	0.0770769283961153	0.0201553554623063	0.19771875676597
TGCT	CBX5	cg20545544	0.0978626617838264	156	1.22030122693799	0.224216027198794	0.0095771005714156	0.413372395959404
TGCT	CBX5	cg20927027	-0.0594593170414474	156	-0.739178526348114	0.460923776175599	0.00353541038303536	0.650621682505384
TGCT	CBX5	cg21826008	-0.0591282641097133	156	-0.735048506404221	0.463427843090984	0.00349615161662802	0.652700382464379
TGCT	CBX5	cg24505978	-0.194749396036408	156	-2.46395368700008	0.0148412542967124	0.0379273272565458	0.0578843144870372
TGCT	CBX5	cg25817259	-0.169461508233996	156	-2.13382392071919	0.0344408858113184	0.0287172027729406	0.109475127515147
TGCT	CBX6	cg03028106	-0.0771823286306104	156	-0.9606732025929	0.338222420887577	0.00595711185284355	0.537653255354288
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TGCT	CBX6	cg04215348	-0.112435194699287	156	-1.40418794441835	0.162276428698821	0.0126416730070667	0.33289732857434
TGCT	CBX6	cg04801716	0.0326236471928043	156	0.405064427701649	0.685992275025028	0.00106430235616057	0.819239542581432
TGCT	CBX6	cg06060673	-0.101577637666819	156	-1.26709925839942	0.207032632073974	0.0103180164739716	0.391870963006392
TGCT	CBX6	cg09913544	-0.113399493112047	156	-1.41638714490189	0.15868174080709	0.0128594450380692	0.327891908124972
TGCT	CBX6	cg14498989	-0.079962184862616	156	-0.99549228623851	0.321058499706462	0.00639395100800317	0.520503152280822
TGCT	CBX6	cg24649346	0.0299723032383985	156	0.372113681270618	0.710319763990157	0.00089838961414514	0.834995386106653
TGCT	CBX6	cg25836955	-0.164482340133789	156	-2.06935674232362	0.0401834685482724	0.0270544402158874	0.122868986410043
TGCT	CBX7	cg00545295	-0.133173826492457	156	-1.66749662441888	0.0974479570489465	0.0177352680626431	0.233688852363309
TGCT	CBX7	cg01525244	-0.244155773064611	156	-3.12445179299067	0.00212913018207527	0.0596120415207776	0.0124902762524971
TGCT	CBX7	cg02523424	0.0195600984156442	156	0.242780885938703	0.808498198044073	0.000382597450029685	0.896418516883881
TGCT	CBX7	cg03804568	-0.0691755424982416	156	-0.860507249258632	0.390847188227974	0.00478525567992602	0.588126775392309
TGCT	CBX7	cg10339854	0.0481072722601974	156	0.597687566415214	0.550926299603468	0.00231430964431676	0.72341565619634
TGCT	CBX7	cg22268271	-0.419284801581792	156	-5.7312995574424	5.09664565879564e-08	0.175799744837483	1.18744669775486e-06
TGCT	CBX7	cg26672614	-0.0387917125494269	156	-0.481755101178254	0.630663837212605	0.00150479696251736	0.782061761598453
TGCT	CBX7	cg27062573	-0.283952181137447	156	-3.67502359393671	0.000327811212477933	0.0806288411727132	0.00263121599912384
TGCT	CDYL2	cg01442398	0.0678849341509096	156	0.844377725056072	0.39976816553165	0.00460836428467333	0.596405497542798
TGCT	CDYL2	cg02461391	0.0597053396104508	156	0.742247916397748	0.459067736033544	0.00356472757799927	0.648979909811072
TGCT	CDYL2	cg06919916	0.00765731753930858	156	0.0950275976557833	0.924416442686116	5.86345118978029e-05	0.960171416536241
TGCT	CDYL2	cg10112854	-0.181503220161933	156	-2.29043911932828	0.0233529356254982	0.0329434189291512	0.0818526510845457
TGCT	CECR2	cg03927893	-0.283016235587658	156	-3.6618535696972	0.000343700931215885	0.0800981896062089	0.00273886916085148
TGCT	CECR2	cg12632097	-0.057661108927526	156	-0.716748059123145	0.474615173737519	0.00332480348275202	0.662519519571802
TGCT	CECR2	cg13466481	-0.0320490076596332	156	-0.397922138889985	0.69123865030282	0.00102713889196723	0.822550203620001
TGCT	CECR2	cg26796679	0.0463799866539466	156	0.576180543600488	0.565334270356622	0.00215110316202027	0.734768174203608
TGCT	CHAF1A	cg03006338	0.107516530627572	156	1.3420243734325	0.181563362004087	0.0115598043581897	0.358955505444761
TGCT	CHAF1A	cg04346879	-0.144694530181321	156	-1.81470922066903	0.0715146282080335	0.0209365070643931	0.187244513557342
TGCT	CHAF1A	cg05297461	0.0732436507823461	156	0.911377693415187	0.363520791500608	0.00536463237992627	0.562438607582697
TGCT	CHAF1A	cg07783855	0.379991686580327	156	5.09797221602932	9.94530976598707e-07	0.144393681870161	1.70227816927436e-05
TGCT	CHAF1A	cg09700233	0.232384132464974	156	2.96498028620105	0.00350924640385383	0.0540023850214985	0.0186831586874764

TGCT	CHAF1A	cg18804734	-0.0495731092883317	156	-0.615943411800847	0.538841178686534	0.00245749316451288	0.714452350996731
TGCT	CHAF1A	cg23811775	-0.0334855461654403	156	-0.415777867228913	0.678151348949189	0.00112128180199784	0.81417513218441
TGCT	CHAF1A	cg24085258	0.0536698129841819	156	0.66698616627967	0.505779093699394	0.00288044882575706	0.68885272527969
TGCT	CHAF1B	cg00660452	-0.0176184083464759	156	-0.218672639278197	0.827194590248599	0.00031040831266317	0.907179473515184
TGCT	CHAF1B	cg02544117	-0.145039481021865	156	-1.81912832770464	0.0708343371249655	0.0210364510550919	0.185951488907997
TGCT	CHAF1B	cg02908490	-0.122220365721343	156	-1.52871757132313	0.128521303705562	0.0149378177970588	0.283833901028311
TGCT	CHAF1B	cg04634639	-0.254342425845695	156	-3.26363360913625	0.00135510829962548	0.0646900695850728	0.00864234260215318
TGCT	CHAF1B	cg07872789	0.110488583444254	156	1.37957385023876	0.169717788873464	0.0122077270715179	0.34332810660553
TGCT	CHAF1B	cg13854874	-0.0058939803912795	156	-0.0731436436113771	0.9417867270349	3.47390048527872e-05	0.96895185540784
TGCT	CHAF1B	cg25942896	-0.0831760288137368	156	-1.03577647230129	0.30193013278085	0.00691825176922358	0.500337687710159
TGCT	CHD1	cg03255775	-0.0270514786761956	156	-0.335822919168112	0.737461494665472	0.000731782498568664	0.852149003564935
TGCT	CHD1	cg03833628	-0.0769995634247223	156	-0.958384776138424	0.3393709614307	0.00592893276759784	0.538628907153772
TGCT	CHD1	cg08865521	-0.1162615116289	156	-1.45261814784347	0.148364293519222	0.0135167390862368	0.313374972548392
TGCT	CHD1	cg11365324	0.233268677232234	156	2.97691430930792	0.0033827156325832	0.054414275777676	0.0181361116417076
TGCT	CHD1	cg12662497	0.210771949045755	156	2.67572046463476	0.0082635710690302	0.0444248145045462	0.0368456331706251
TGCT	CHD1	cg16890600	0.0902374870446221	156	1.12440502715505	0.262590790039667	0.00814280406812835	0.458026634985333
TGCT	CHD1	cg21082921	-0.194477144070435	156	-2.4603736815854	0.0149843361625193	0.0378213595657927	0.0583370757395169
TGCT	CHD4	cg00079216	-0.0384761241643131	156	-0.477829967681738	0.633448770186622	0.00148041213070764	0.784090402684223
TGCT	CHD4	cg00824109	-0.376682734929143	156	-5.04620121950192	1.25557743579605e-06	0.141889882793699	2.09246767438556e-05
TGCT	CHD4	cg04344119	0.369973034498431	156	4.94191024703798	1.99851646721072e-06	0.136880046255977	3.15808633049342e-05
TGCT	CHD4	cg05147525	0.323149486574175	156	4.23753202134268	3.87815934514639e-05	0.104425590673153	0.000426126452113444
TGCT	CHD4	cg11565429	0.328067472749082	156	4.30973563636604	2.90336835987675e-05	0.10762826667597	0.000331276970061972
TGCT	CHD4	cg19509514	-0.470127670871495	156	-6.6101760748925	5.93561596961404e-10	0.221020026919056	2.04406953846904e-08
TGCT	CHD4	cg20308811	-0.444659856832695	156	-6.16064165141857	6.05057744742491e-09	0.197722388278472	1.72791943612719e-07
TGCT	CHRA1	cg00296189	-0.254535248818259	156	-3.26627918356818	0.00134333100374542	0.0647881928909731	0.00857918825263696
TGCT	CHRA1	cg07270064	-0.313220949811951	156	-4.09292457997465	6.85336914348786e-05	0.0981073634011008	0.000697057204259253
TGCT	CHRA1	cg08877624	-0.268331814026366	156	-3.4566785777002	0.000707027130535297	0.0720019624186804	0.00502856725113027
TGCT	CHRA1	cg12002314	-0.0959582528830669	156	-1.19633124063495	0.233405934117279	0.00920798629637061	0.424259904554033
TGCT	CHRA1	cg18770186	0.0684810538742883	156	0.851827264670105	0.395632677469659	0.00468965473973318	0.592348746339895
TGCT	CHRA1	cg19486048	0.205112094528999	156	2.60066829302725	0.0102105684009713	0.0420709713220729	0.0433014041749435
TGCT	CHRA1	cg22610305	-0.0113210949309	156	-0.140500097447638	0.888448478034611	0.000128167190434449	0.940764400604207
TGCT	CHRA1	cg23548819	0.0328716377404343	156	0.408146866607846	0.683732760766911	0.00108054456773834	0.817784066758639
TGCT	CLOCK	cg05960024	-0.408169168607015	156	-5.5484841351643	1.22829908690071e-07	0.166602070201342	2.61936127100751e-06
TGCT	CLOCK	cg06085476	-0.282014420573571	156	-3.64776927207262	0.000361497387844871	0.0795321334114468	0.00285592848481811
TGCT	CLOCK	cg07236904	-0.157794313513407	156	-1.98301919450882	0.0491437099122406	0.0248990453771674	0.142471706376718
TGCT	CLOCK	cg07500410	-0.187293349669905	156	-2.36612014400143	0.0192199827466233	0.0350787988305732	0.0705582246137893
TGCT	CLOCK	cg11774413	-0.33894121510401	156	-4.47078666515097	1.50370522710962e-05	0.114881147296183	0.000186897658472225
TGCT	CLOCK	cg18928811	0.0985794922392944	156	1.22932715891672	0.220824139381413	0.00971791629015711	0.409066604994448
TGCT	CLOCK	cg22523077	-0.071209893226695	156	-0.88594062565274	0.377030838268624	0.00507084889335731	0.57556391350607
TGCT	CLOCK	cg23506964	-0.0458593341239818	156	-0.569698746000159	0.569712139485341	0.002103078526295	0.737907265477717
TGCT	CREBBP	cg00039463	-0.157718260505832	156	-1.98203904039912	0.0492544452434389	0.0248750496969855	0.142734226607118
TGCT	CREBBP	cg00747661	-0.186530427986181	156	-2.35613380692078	0.0197255112219904	0.0347936005647079	0.0720637935570357
TGCT	CREBBP	cg03039399	-0.151934503286854	156	-1.90760380593696	0.0583038115459362	0.023084093289023	0.161240196068417
TGCT	CREBBP	cg03264209	-0.00632507351311962	156	-0.0784936682310451	0.93753726494687	4.00065549463674e-05	0.966583649821225
TGCT	CREBBP	cg08506924	0.0672765822920795	156	0.836776260527578	0.40401494049839	0.00452613852490295	0.600518519644078
TGCT	CREBBP	cg24567591	-0.00299670796139394	156	-0.037188334794048	0.970383002289441	8.98025860588181e-06	0.98432659573495
TGCT	CTCF	cg01866162	-0.267479479530711	156	-3.44485117196955	0.000736358460783178	0.0715452719700198	0.00519868137745409
TGCT	CTCF	cg04487155	-0.204502764797088	156	-2.59260471431245	0.0104425694572173	0.041821380809653	0.044092990032282
TGCT	CTCF	cg06241380	-0.153650188566029	156	-1.92966285243017	0.0554869400024173	0.0236083804463762	0.155562599486379
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TGCT	CTCF	cg10218542	-0.280504325402382	156	-3.6265636509847	0.000389940927539211	0.0786826765694452	0.00304080438221586
TGCT	CTCF	cg10481400	0.040468014183225	156	0.502606567126335	0.615958888058897	0.0016376601719337	0.771699451439009
TGCT	CTCF	cg23858565	0.388040394575108	156	5.22486251923218	5.58096423963233e-07	0.150575347822006	1.01964662296373e-05
TGCT	CXXC1	cg02159718	0.014477431505077	156	0.179679031202146	0.857640757366695	0.000209596022984196	0.924276878881217
TGCT	CXXC1	cg07675399	0.191061633239957	156	2.41551095645271	0.0168842014377878	0.0365045476963199	0.0638918944766644
TGCT	CXXC1	cg11871295	-0.360511778618415	156	-4.79636683214576	3.78228871588022e-06	0.129968742522613	5.55902830839195e-05

TGCT	CXXC1	cg13423076	0.0164194979587927	156	0.203788083576224	0.838788150766881	0.000269599913218799	0.913698406530171
TGCT	CXXC1	cg15632775	-0.317225522751876	156	-4.15106729884437	5.46021921167073e-05	0.100632032285201	0.000572700948298116
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TGCT	DAXX	cg00221327	-0.00019676521994298	156	-0.0024417922116429	0.998054893824331	3.87165517792109e-08	0.99897078748674
TGCT	DAXX	cg02173004	-0.148059093171519	156	-1.85784119374064	0.0651009067316804	0.0219214950707725	0.17479929376607
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TGCT	DAXX	cg04152866	-0.0355810947691317	156	-0.441829543889656	0.659232358460633	0.00126601430496993	0.801686217113268
TGCT	DAXX	cg04271391	0.120395737360517	156	1.50501935363699	0.13436734669866	0.0144951335745826	0.292685595818883
TGCT	DAXX	cg04488476	-0.242495179995996	156	-3.10186872856551	0.00228793601743914	0.0588039123212903	0.0132569413481797
TGCT	DAXX	cg04973788	-0.0549997547521813	156	-0.683563670966332	0.49527792857922	0.00302497302280009	0.680147066601208
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TGCT	DAXX	cg05532204	-0.101316418858162	156	-1.26380692461743	0.208209031440857	0.0102650167302425	0.393370249463523
TGCT	DAXX	cg06171013	-0.0146249295196436	156	-0.181510014930652	0.856205954906624	0.000213888563454544	0.923477838479431
TGCT	DAXX	cg07689821	-0.0851193766751427	156	-1.06015122855708	0.290735688286718	0.00724530828556483	0.488338547569963
TGCT	DAXX	cg08375286	-0.256902369935397	156	-3.29879069160725	0.00120617648196121	0.0659988276784234	0.00785150140052636
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TGCT	DAXX	cg09097215	-0.0602568388370247	156	-0.749128942785281	0.454922228394757	0.00363088662663117	0.645194702759092
TGCT	DAXX	cg09432361	0.0860516075730676	156	1.07184819367934	0.28546506852242	0.00740487916590922	0.482673966096248
TGCT	DAXX	cg09615909	-0.173159000910658	156	-2.18180529665633	0.0306398949171776	0.0299840395963772	0.100243922331017
TGCT	DAXX	cg11111423	-0.240262643538709	156	-3.07155318326795	0.00251836619483336	0.0577261378802088	0.0143253714361558
TGCT	DAXX	cg12025215	0.0418642010466262	156	0.519976930992196	0.603826304560382	0.00175261132927234	0.762759165314522
TGCT	DAXX	cg12832355	-0.256117585707467	156	-3.28800497398838	0.00125015955440042	0.0655962177086216	0.00808638167248912
TGCT	DAXX	cg12923297	-0.13358820625601	156	-1.67277928503699	0.0964010483137323	0.0178458088506984	0.232036607441785
TGCT	DAXX	cg13443893	-0.0988036045558954	156	-1.23214945288297	0.219771202194413	0.00976215227323776	0.407845441400576
TGCT	DAXX	cg13826470	-0.050642811765527	156	-0.629268224920003	0.530105843926133	0.0025646943835186	0.708082503415958
TGCT	DAXX	cg14539675	-0.00279178293876294	156	-0.0346452501741968	0.97240748370996	7.79405197716786e-06	0.985493516078903
TGCT	DAXX	cg14622330	-0.109696877226588	156	-1.36956766743109	0.172815678385295	0.012033404873265	0.347588367658763
TGCT	DAXX	cg14746369	0.152297963161984	156	1.91227543032643	0.0576974499742141	0.0231946695832891	0.159965830916461
TGCT	DAXX	cg14910283	-0.244571293822792	156	-3.13010718641162	0.00209099143532106	0.0598151177621544	0.0123250937808279
TGCT	DAXX	cg16922466	-0.122910071733519	156	-1.53692714806168	0.126363213297806	0.0151068857335389	0.280577115403858
TGCT	DAXX	cg17079757	-0.201921735906657	156	-2.55848335337995	0.0114775794073022	0.0407723874315578	0.0474864017662961
TGCT	DAXX	cg17504991	0.0480734496236742	156	0.597266378267262	0.551206701642109	0.00231105655871994	0.723686128087122
TGCT	DAXX	cg18187593	0.0550354752389212	156	0.684008970861284	0.494997480164637	0.0030289035347739	0.679994759013836
TGCT	DAXX	cg18279148	-0.137902146814755	156	-1.72782855619067	0.0860236035297849	0.0190170020961182	0.213901432365789
TGCT	DAXX	cg18486541	-0.240123754291325	156	-3.06966892598148	0.00253337327363582	0.0576594173749608	0.0144002075441491
TGCT	DAXX	cg18944910	-0.205247911842287	156	-2.60246606433035	0.0101594797789058	0.0421267053156192	0.0431765402851787
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TGCT	DAXX	cg21286626	-0.0463145556249762	156	-0.575365942564722	0.565883561866286	0.00214503806273901	0.735053361359591
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TGCT	DAXX	cg24513883	-0.261746150616511	156	-3.36551716222835	0.00096460204584785	0.0685110473625611	0.00651504180888068
TGCT	DAXX	cg24728112	0.0558127571166378	156	0.693699402806842	0.488915753113624	0.0031150638569608	0.674924798554162
TGCT	DAXX	cg25642825	-0.0727406818587882	156	-0.905085796567593	0.366833727399899	0.00529120679728144	0.565703187355741
TGCT	DAXX	cg26521092	-0.00940941381600386	156	-0.116772924137294	0.9071921474476	8.5370683608043e-05	0.9509017960717
TGCT	DAXX	cg27052777	-0.160189638922143	156	-2.01390823299914	0.0457604923411451	0.0256607204180064	0.135259826770532
TGCT	DAXX	cg27393652	0.211713227246023	156	2.68822929043402	0.00797383854774681	0.044822490590926	0.0358378182438856
TGCT	DIDO1	cg00080059	-0.129196638501141	156	-1.61683885665622	0.10795967048715	0.0166917713999944	0.251621265680309
TGCT	DIDO1	cg01488865	-0.167427390778535	156	-2.10746742622553	0.0366969975476707	0.0280319311829083	0.114867773597676
TGCT	DIDO1	cg06646488	-0.10593967063767	156	-1.32211687341569	0.188089614611607	0.011223213814818	0.367564961724073

TGCT	DIDO1	cg08610063	-0.0171750668008804	156	-0.213168416686926	0.831477535682227	0.000294982919614705	0.909691101041144
TGCT	DIDO1	cg13815390	0.104774270503923	156	1.30741045230773	0.193021927828555	0.0109776477596293	0.373931017095267
TGCT	DIDO1	cg20969846	0.0515248391946212	156	0.640256883770571	0.522957069842677	0.00265480905403157	0.702556483562468
TGCT	DIDO1	cg21212389	-0.0400836687874333	156	-0.497825337066242	0.619317286526113	0.00160670050346066	0.774136657047568
TGCT	DIDO1	cg21687703	0.120754882525164	156	1.50957521852943	0.133200850466706	0.0145817416536662	0.29102474193133
TGCT	DIDO1	cg22394521	-0.170239118044189	156	-2.1439069742783	0.0336099785355175	0.0289813573124634	0.107422131067874
TGCT	DMAP1	cg01604592	-0.155562715644235	156	-1.95427382735908	0.0524802293707789	0.0241997584986091	0.149466326181744
TGCT	DMAP1	cg11683482	0.078303821937989	156	0.974717705378957	0.331228891703425	0.00613148853009628	0.530886136373823
TGCT	DMAP1	cg15990015	0.179521685912265	156	2.26459612665432	0.0249328188473692	0.0322280357127818	0.0860197158772301
TGCT	DMAP1	cg18017761	-0.0269372491794629	156	-0.334403817533349	0.738529843942006	0.000725615393356477	0.852762837926535
TGCT	DMAP1	cg18167340	-0.0376277742894894	156	-0.467279314698975	0.640960545726855	0.00141584939798076	0.78903211795672
TGCT	DMAP1	cg21437596	0.1520004059778	156	1.9084508078961	0.0581934783981378	0.023104123417416	0.161020660940629
TGCT	DMAP1	cg23021241	-0.13149408376425	156	-1.64609175411632	0.101784198786232	0.0172906940649997	0.24127612774624
TGCT	DMAP1	cg23451311	0.277844010661353	156	3.58927695168141	0.000445140618781455	0.077197294260386	0.0034000264405974
TGCT	DMAP1	cg24485408	-0.139022075514838	156	-1.74213597750441	0.083481122166522	0.0193271374804533	0.209172281356711
TGCT	DNMT1	cg04160663	-0.0562650558136681	156	-0.699338826027646	0.485395244080813	0.00316575650571518	0.672008642274079
TGCT	DNMT1	cg04762346	-0.0258231403013156	156	-0.32056364293827	0.748975659616588	0.000666834575021431	0.85935241533012
TGCT	DNMT1	cg06128182	0.0621114328081159	156	0.772273700674424	0.441135890558151	0.0038578300854771	0.633717900579485
TGCT	DNMT1	cg06716436	0.163672873102101	156	2.0588917786356	0.0411891035431988	0.0267888093894966	0.125043459974902
TGCT	DNMT1	cg10635912	0.389417578398884	156	5.24671373214954	5.04782059490709e-07	0.151646050366051	9.3120738762201e-06
TGCT	DNMT1	cg11380607	0.132333966877371	156	1.65679252292112	0.0995974078684952	0.0175122787895012	0.237591019831398
TGCT	DNMT1	cg13393778	-0.00547869670308811	156	-0.0679898584941396	0.945881902776153	3.00161175644285e-05	0.971097431105234
TGCT	DNMT1	cg15043801	0.355187978934509	156	4.71522353758076	5.36794081203099e-06	0.126158500379581	7.57470682987736e-05
TGCT	DNMT1	cg21893394	0.129142428305963	156	1.61614893118036	0.108108855995679	0.0166777667887607	0.251873409591709
TGCT	DNMT1	cg23401624	0.0423876221108818	156	0.526489744494611	0.5993054437113	0.00179671050821492	0.759566122368485
TGCT	DNMT1	cg24477899	-0.150595947805926	156	-1.89040589191893	0.0605822934509032	0.0226791394955651	0.165805268917533
TGCT	DNMT1	cg27429799	0.111828064822782	156	1.3965092953334	0.164570680177855	0.0125055160820083	0.33622216622563
TGCT	DNMT3A	cg02208653	0.096909808389837	156	1.20830639114744	0.228781582382501	0.00939151096215493	0.418720137581393
TGCT	DNMT3A	cg03463641	0.329764049850829	156	4.33473462886104	2.62438199018331e-05	0.10874432857402	0.000303404922788409
TGCT	DNMT3A	cg06112956	0.736900887518373	156	13.5276460024928	5.61854016347797e-28	0.543022918025365	1.38319213125824e-25
TGCT	DNMT3A	cg07150430	0.546601505452333	156	8.10031546544908	1.56531135832682e-13	0.298773205762756	1.00888013098324e-11
TGCT	DNMT3A	cg12066181	-0.415448940807196	156	-5.6678674698636	6.9291498317863e-08	0.172597822417821	1.5606435495483e-06
TGCT	DNMT3A	cg13076778	0.710869274583699	156	12.5428020258284	2.59987980047064e-25	0.505335125547155	5.4078890159843e-23
TGCT	DNMT3A	cg13344237	0.540244369351349	156	7.96695320539088	3.36787469322131e-13	0.291863978615837	2.03891396019034e-11
TGCT	DNMT3A	cg15990840	-0.408933080934626	156	-5.56095134351903	1.15741943174874e-07	0.167226264682685	2.47976555421265e-06
TGCT	DNMT3A	cg15998962	0.28576581162551	156	3.70057640738819	0.000298941122689	0.0816620990939862	0.00243658004039686
TGCT	DNMT3A	cg21629895	0.17211022531645	156	2.1681860552552	0.0316799434004647	0.0296219296584792	0.102760685356117
TGCT	DNMT3A	cg21708767	0.48453594612897	156	6.87371957580798	1.46305729369793e-10	0.234775083091096	5.65129489105942e-09
TGCT	DNMT3A	cg22731525	0.509052939953476	156	7.33928479852531	1.15610479583476e-11	0.259134895675277	5.43760680091715e-10
TGCT	DNMT3A	cg25044635	-0.343941448042565	156	-4.54551820245935	1.10184495877707e-05	0.118295719681616	0.000142623838141603
TGCT	DNMT3A	cg26470599	0.386639321839096	156	5.2026745506475	6.17828445291873e-07	0.149489965192196	1.11593559491609e-05
TGCT	DNMT3A	cg26995204	-0.312421521774123	156	-4.08134675950726	7.16867286530637e-05	0.0976072072676588	0.000723789405429778
TGCT	DNMT3B	cg00300969	0.419298976169874	156	5.73153464323752	5.09082789001622e-08	0.175811631417104	1.18644656943056e-06
TGCT	DNMT3B	cg13636640	-0.153074779304874	156	-1.92226267327395	0.0564188795597726	0.023431888059236	0.157466017883721
TGCT	DNMT3B	cg14224313	0.390392969641629	156	5.26221494278554	4.70002654649292e-07	0.15240667074561	8.73052731241328e-06
TGCT	DNMT3B	cg16523653	-0.0515366475663934	156	-0.640404007433486	0.522861697351784	0.00265602604238265	0.702513003174174
TGCT	DNMT3B	cg16953106	-0.163117059967217	156	-2.05170858282549	0.041891769005982	0.0266071752523486	0.126624248282681
TGCT	DNMT3B	cg17475857	0.246053796392071	156	3.15029957715954	0.00195992130126374	0.0605424707189507	0.011696978727312
TGCT	DNMT3B	cg17721173	-0.278142243511539	156	-3.59345247652464	0.000438611380103489	0.0773631076256321	0.00335495783172634
TGCT	DNMT3B	cg22605822	0.475038277656127	156	6.6992086118253	3.70974800240865e-10	0.2256613652385	1.32444302936842e-08
TGCT	DNMT3B	cg24403338	0.112409365061046	156	1.40386123280042	0.162373545660868	0.0126358653534275	0.333027243727296
TGCT	DNMT3B	cg25803642	-0.168607359446482	156	-2.12275313514547	0.0353735410840639	0.0284284416595151	0.11170486117693
TGCT	DNMT3L	cg09247319	-0.223857888367686	156	-2.85033984288144	0.00496586545889485	0.0501123541844393	0.0246323926837329
TGCT	DNMT3L	cg15635600	-0.266861044610167	156	-3.4362749243744	0.000758336738546057	0.0712148171304296	0.00532677636464578
TGCT	DNMT3L	cg27187798	-0.190326744919081	156	-2.40587017134074	0.0173193161713888	0.0362242698314929	0.0651801500767752
TGCT	DPF1	cg06168449	-0.100034268851266	156	-1.24765085608397	0.214052797229027	0.0100068549446074	0.400657535737906
TGCT	DPF1	cg06615189	-0.0594892823548979	156	-0.7395523678778	0.460697490356038	0.00353897471510077	0.650409243866171

TGCT	DPF1	cg07480327	-0.172402664279076	156	-2.17198285721413	0.0313869669406473	0.0297226786505239	0.102116921340835
TGCT	DPF1	cg08057062	-0.0558806527650691	156	-0.694545922815926	0.488386413526243	0.00312264735345022	0.674373571661913
TGCT	DPF1	cg13322582	-0.161908825934061	156	-2.03610056809401	0.0434539364619433	0.0262144679153461	0.130152679055959
TGCT	DPF1	cg13917712	-0.0406298335506894	156	-0.504619655557372	0.614547288252126	0.00165078337435673	0.770787452515693
TGCT	DPF1	cg17121541	-0.0927714235070848	156	-1.15624949353442	0.249369684229554	0.00860653701953088	0.442920277060069
TGCT	DPF1	cg22145401	-0.12425374362567	156	-1.55399109894727	0.122239231139838	0.0154389928049937	0.274127462125254
TGCT	DPF1	cg27400772	-0.0718800030443689	156	-0.894320730478087	0.372545882812047	0.00516673483765848	0.571183177128111
TGCT	DPF2	cg02186298	0.0396580911431004	156	0.492531438824128	0.623045169443147	0.00157276419311446	0.776712272032758
TGCT	DPF2	cg14699126	0.0226624480154977	156	0.281305830614515	0.778853456320776	0.000513586550055135	0.877723425432319
TGCT	DPF2	cg15918224	0.0390894210658282	156	0.485457985958615	0.628041438777759	0.00152798283926161	0.780265034867161
TGCT	DPF2	cg15929437	0.0149739472362367	156	0.185842634295716	0.852812730427532	0.0002242190958336	0.921581263121858
TGCT	DPF2	cg18224556	-0.0475716246265499	156	-0.591017469051244	0.555375158969915	0.00226305946960937	0.726803854267063
TGCT	DPF2	cg19517014	-0.140502611628792	156	-1.76106073697252	0.0802128671705921	0.0197409838745111	0.203450238999793
TGCT	DPF3	cg00888802	0.0292435467452076	156	0.363058145508283	0.717059292634678	0.00085518502623914	0.839231981994948
TGCT	DPF3	cg05151458	0.0620706032644023	156	0.771764075068854	0.441436826933313	0.00385275978960683	0.634037043904103
TGCT	DPF3	cg07171024	-0.124549401054764	156	-1.55774696016095	0.121345941611018	0.0155125533031005	0.272761021170433
TGCT	DPF3	cg10266394	-0.0165111772139455	156	-0.204926256032966	0.83790034702309	0.000272618972990312	0.913255616060446
TGCT	DPF3	cg12913429	-0.0467196414160098	156	-0.580409285761154	0.562486963601017	0.00218272489404054	0.732623072032841
TGCT	DPF3	cg13819165	-0.0689255918198218	156	-0.857383125901247	0.392565490286007	0.00475073720771269	0.589458197442715
TGCT	DPF3	cg14238615	-0.083153417516456	156	-1.03549293702053	0.302062032355428	0.00691449084466605	0.500446790961907
TGCT	DPF3	cg14242696	0.224846976089314	156	2.86360275575965	0.00477283002389529	0.0505561626565084	0.023896563235858
TGCT	DPF3	cg15392845	-0.0974171130681017	156	-1.21469209168232	0.226342762256688	0.00949009391852331	0.415874087080698
TGCT	DPF3	cg15740492	0.211930730401635	156	2.69112084377503	0.00790818460350799	0.0449146344885705	0.0356147570363147
TGCT	DPF3	cg16696021	-0.167638804439686	156	-2.11020546217254	0.0364568499251586	0.0281027687539673	0.114373681617848
TGCT	DPF3	cg19710444	-0.0492161482797358	156	-0.611497380701325	0.541771988418266	0.00242222925149294	0.716596277599432
TGCT	DPF3	cg19839347	-0.0644772879972492	156	-0.801810529219825	0.423898064976507	0.00415732066748021	0.618940209089156
TGCT	DPF3	cg20548765	0.0876159193129431	156	1.09148244533803	0.276765350807844	0.00767654931705216	0.47345696969162
TGCT	DPF3	cg21035356	0.053361211529779	156	0.6631400121738	0.508232278692097	0.00284741889592582	0.690790982590599
TGCT	DPF3	cg22784589	-0.222844033048963	156	-2.8367544374614	0.00517096206724593	0.0496594630655275	0.0254617268852035
TGCT	DPF3	cg23515460	0.122534217273933	156	1.53215552759247	0.127535771070048	0.0150146344029355	0.282370467398825
TGCT	DPF3	cg24383902	-0.0925184824073045	156	-1.15306972665331	0.250668344129123	0.00855966958695072	0.444303961582474
TGCT	DPF3	cg25495195	-0.157397143941683	156	-1.97790096065461	0.0497242882030774	0.0247738609209988	0.143710342031809
TGCT	DPF3	cg26057784	0.193082216715309	156	2.44204018932762	0.0157364716092202	0.0372807424116976	0.0605471621923772
TGCT	EED	cg00080012	0.0313309519329584	156	0.388997861086758	0.697815060227352	0.000981628549025352	0.826728359955793
TGCT	EED	cg01739327	0.153374626476903	156	1.92611867436661	0.055931646348696	0.0235237760469296	0.156392297320482
TGCT	EED	cg02172616	-0.472065306424918	156	-6.62360094141399	5.61576079527244e-10	0.222845653530052	1.93993115145393e-08
TGCT	EED	cg04607174	-0.502106081253141	156	-7.20505215161477	2.42246645385267e-11	0.252110516831386	1.07075770063077e-09
TGCT	EED	cg06358433	-0.209358925624876	156	-2.65695713531174	0.00871602746866681	0.0438311597388023	0.0383471689230554
TGCT	EED	cg10086030	-0.49414299634768	156	-7.0534735063818	5.54274523408031e-11	0.244177300839463	2.30337779241476e-09
TGCT	EED	cg10535675	-0.435645818750786	156	-6.00612521109291	1.31611986665187e-08	0.189787279395043	3.50757892793133e-07
TGCT	EED	cg12672785	0.0372966197241058	156	0.463161128307472	0.643902742314945	0.00139103784284456	0.790965649393637
TGCT	EED	cg16265078	-0.459694171328369	156	-6.42360155186451	1.57247738289308e-09	0.211318731153276	5.0151972585379e-08
TGCT	EED	cg18574463	-0.0188348159924029	156	-0.23377538927015	0.815469833936563	0.000354750293467675	0.900669557198282
TGCT	EED	cg19325359	-0.430297821893478	156	-5.91551186245401	2.0650623655968e-08	0.185156215526271	5.30546438801973e-07
TGCT	ELP3	cg01209934	0.00718598693700073	156	0.0891780552486701	0.929056275838732	5.16384082587451e-05	0.962460435222498
TGCT	ELP3	cg02516513	-0.227654069504628	156	-2.90129469107549	0.00426107525813315	0.0518263753620181	0.0218471026580907
TGCT	ELP3	cg04720865	-0.388967832049071	156	-5.23957324292214	5.21633997560397e-07	0.151295974368954	9.59111207899161e-06
TGCT	ELP3	cg05621091	-0.409812148373395	156	-5.57531528221165	1.0807032136946e-07	0.167945996954418	2.33274766387786e-06
TGCT	ELP3	cg15692687	-0.0438746473776234	156	-0.544994861351879	0.586545446480635	0.0019249846825108	0.750624561409375
TGCT	ELP3	cg17572663	0.221298751818621	156	2.81606667213241	0.00549815967801187	0.0489731375564798	0.0267561512568031
TGCT	ELP3	cg18022570	-0.00103138935315894	156	-0.0127992120823244	0.989804551300147	1.06376399780962e-06	0.994496173994132
TGCT	ELP3	cg18249244	-0.122676631297577	156	-1.53396345086877	0.12709049800304	0.0150495558665217	0.281787339989139
TGCT	ELP3	cg19781013	0.125710968526562	156	1.57250693337262	0.117885297523854	0.0158032476078862	0.267493610853477
TGCT	ELP3	cg22414525	-0.327915234049057	156	-4.30749469616883	2.92972256543732e-05	0.107528400721448	0.000333892231549415
TGCT	ELP3	cg22487209	-0.0122676691984047	156	-0.152249228007893	0.879189651848655	0.000150495707561489	0.935875862399966
TGCT	ELP3	cg25374552	0.0767918496450974	156	0.955784083390725	0.340679288556236	0.00589698817191525	0.539947937697495
TGCT	ELP4	cg04972224	-0.252906429466964	156	-3.24394447711746	0.00144582657834684	0.0639616620657284	0.00912367235852647

TGCT	ELP4	cg05195750	-0.0710361993731476	156	-0.883768682343431	0.378198706231695	0.00504614162138157	0.576803445588702
TGCT	ELP4	cg05635455	-0.156727816664148	156	-1.96927771776785	0.0507155864994043	0.0245636085163107	0.145827696770825
TGCT	ELP4	cg08111895	-0.122473140443671	156	-1.53138019643893	0.127727102267551	0.0149996701301352	0.282621371915406
TGCT	ELP4	cg08626560	-0.219434781487944	156	-2.79114205298873	0.00591737355235654	0.0481516233266616	0.0283702796827329
TGCT	ELP4	cg09616795	-0.0916414258206888	156	-1.14204583444066	0.255207537538829	0.0083981509264488	0.449492068538922
TGCT	ELP4	cg10583382	-0.0354063552648031	156	-0.439656979443093	0.660801921028981	0.00125360999313745	0.802617171088396
TGCT	ELP4	cg11385473	-0.154400067800528	156	-1.93930986023329	0.0542915260999989	0.0238393809368076	0.153243894685364
TGCT	ELP4	cg13263383	-0.185169562248504	156	-2.33833157378113	0.0206558301401595	0.0342877667833028	0.0746561814682942
TGCT	ELP4	cg19328333	0.179117508923395	156	2.25932839567464	0.025266086214494	0.0320830820029226	0.08690586333158
TGCT	ELP4	cg24001477	-0.0237201539527877	156	-0.294442214364915	0.76881653070825	0.000562645703543949	0.871832613761071
TGCT	ELP4	cg24531794	0.0120486874573636	156	0.149531133384689	0.881330193939017	0.000145170869445231	0.937055498408824
TGCT	ELP4	cg25130734	-0.0511978928923428	156	-0.636183479038234	0.525601219961081	0.0026212242366158	0.704466098784541
TGCT	EP300	cg00500400	-0.29696915859741	156	-3.85939913951394	0.000166814912174634	0.0881906811580536	0.00149076113496578
TGCT	EP300	cg02046995	-0.00674449176019008	156	-0.0836988453272972	0.933404575900405	4.54881691032718e-05	0.964574976707557
TGCT	EP300	cg07519229	-0.453479594661199	156	-6.31408537367694	2.76650567549226e-09	0.205643742774085	8.4233871827493e-08
TGCT	EP300	cg08131204	-0.243445538175196	156	-3.11478946480194	0.00219578443022074	0.0592657300574108	0.0128059715094529
TGCT	EP300	cg09331127	-0.0149798954745795	156	-0.18591647483548	0.85275492357361	0.000224397268429326	0.921544397245133
TGCT	EP300	cg24349919	-0.346563412567111	156	-4.58487967720025	9.34064978822381e-06	0.120106198930162	0.000123348584217465
TGCT	EPC1	cg02900516	-0.0503087632324717	156	-0.625106898344378	0.532826061532043	0.00253097165798089	0.7100149131693
TGCT	EPC1	cg16942190	-0.131463366353845	156	-1.64570045877236	0.101864889003422	0.0172826166930851	0.241408553437282
TGCT	EPC1	cg26211455	0.0356771987301141	156	0.443024437221788	0.658369756258376	0.00127286250922805	0.801226448024112
TGCT	EPC2	cg00066942	-0.214164145659727	156	-2.7208368665509	0.00726125841130119	0.0458662812861606	0.033340160352285
TGCT	EPC2	cg03664802	-0.15452253950748	156	-1.94088575360773	0.0540983251373471	0.0238772152158408	0.152848300491566
TGCT	EPC2	cg04098458	0.108958897286991	156	1.36024289437971	0.175740860346959	0.0118720412979971	0.351544985596074
TGCT	EPC2	cg05586854	0.00580183048370139	156	0.0720000346674075	0.942695303561876	3.36612369616067e-05	0.969539347239517
TGCT	EPC2	cg10458926	0.0804615722921654	156	1.00174981511986	0.318035865227654	0.00647406461572736	0.517351109288839
TGCT	EPC2	cg11721798	0.0514473915948498	156	0.639291950077389	0.523582808821348	0.00264683410191382	0.70291129876349
TGCT	EPC2	cg12432635	-0.214446444009667	156	-2.72459607261861	0.00718293068457666	0.0459872773483913	0.0330781335272572
TGCT	EPC2	cg16434205	-0.116350005234643	156	-1.45373899002558	0.148053564538104	0.0135373237181015	0.312997418329182
TGCT	EPC2	cg21347644	0.0116347625353984	156	0.14439337944344	0.885378635040676	0.00013536769925511	0.939238072005159
TGCT	EPC2	cg21650422	0.0163064903587488	156	0.202385132720597	0.839882773490887	0.000265901627819968	0.914239784277248
TGCT	EZH1	cg00728999	0.0976772025352969	156	1.21796633967211	0.225099553830862	0.00954083589512141	0.414431644121695
TGCT	EZH1	cg01716316	-0.366033420186318	156	-4.88109495017917	2.61299934868054e-06	0.133980464693294	4.00543194741387e-05
TGCT	EZH1	cg03623386	0.155778546252001	156	1.95705260910952	0.052149553338211	0.0242669554723869	0.148774152055183
TGCT	EZH1	cg05375741	0.158399596766214	156	1.99082124113383	0.0482697550549912	0.0250904322556992	0.140565313319026
TGCT	EZH1	cg05979501	0.0364850850136633	156	0.453069652810159	0.651136282989365	0.00133116142845424	0.796028836894693
TGCT	EZH1	cg06975499	0.0114657614150635	156	0.142295710930406	0.887032428548798	0.000131463684827158	0.939954242331506
TGCT	EZH1	cg12812489	0.0388582316872096	156	0.482582451960795	0.630077494729472	0.00150996216985686	0.781741086787378
TGCT	EZH1	cg19395400	-0.139313096394007	156	-1.74585496885183	0.0828304030742794	0.0194081388268859	0.208069630170832
TGCT	EZH1	cg22227424	-0.353407146309016	156	-4.6881986424003	6.02644570484721e-06	0.124896611062283	8.38728258287878e-05
TGCT	EZH1	cg27088844	-0.225482762783871	156	-2.87213309036828	0.00465232455119663	0.0508424763126473	0.0234057386106053
TGCT	EZH2	cg01893439	-0.178387995816568	156	-2.249823474404	0.0258772809982477	0.0318222770514518	0.0884124864416034
TGCT	EZH2	cg02303805	-0.143512565245916	156	-1.79957238133975	0.0738859309370195	0.0205958563834632	0.191749469953112
TGCT	EZH2	cg06816161	0.275652572012742	156	3.55862924757355	0.000495943651952601	0.0759843404572402	0.00372443676609717
TGCT	EZH2	cg13751213	-0.200135259246525	156	-2.5348986171615	0.0122457737552807	0.0400541219936737	0.0499605476986737
TGCT	EZH2	cg18494018	-0.0515445672019651	156	-0.640502680442633	0.522797737910917	0.00265684240803789	0.702475598021312
TGCT	EZH2	cg20101066	0.080039916871416	156	0.996466250425285	0.3205867952234	0.00640638829278319	0.519989348809666
TGCT	FBXL19	cg00026853	0.0898627969385407	156	1.11969810855547	0.264585716808932	0.0080753222736174	0.460190614466474
TGCT	FBXL19	cg02291855	-0.0286121041313419	156	-0.355212302084866	0.722916578211085	0.000818652502822754	0.84298006843171
TGCT	FBXL19	cg03181514	0.250173195576138	156	3.20653189556851	0.00163396992729695	0.0625866277847766	0.0100891385446574
TGCT	FBXL19	cg03627896	-0.0219380416036255	156	-0.272309472853605	0.785748835713016	0.000481277669402404	0.881802436893514
TGCT	FBXL19	cg04477789	-0.320109495618635	156	-4.19309258787498	4.62660040408021e-05	0.102470089185217	0.000495668161237037
TGCT	FBXL19	cg05643349	-0.420305992997927	156	-5.74824907174498	4.69342965585212e-08	0.176657127749973	1.10468444530871e-06
TGCT	FBXL19	cg05768582	-0.153448963646653	156	-1.92707472629177	0.0558113913344673	0.0235465844442317	0.156156590793622
TGCT	FBXL19	cg06862768	0.0125515012030837	156	0.155772304379457	0.876416502559913	0.000157540182451011	0.934582934095793
TGCT	FBXL19	cg07697662	0.0143296624613059	156	0.177844694785454	0.859078663454732	0.00020533922625496	0.925139682786271
TGCT	FBXL19	cg08535091	-0.0689803863305541	156	-0.858067986355749	0.392188414292181	0.0047582936983125	0.589221813469408

TGCT	FBXL19	cg08593668	-0.048711164124724	156	-0.605208088201298	0.545931543623989	0.0023727775103858	0.71962652294567
TGCT	FBXL19	cg09011601	-0.27864696975123	156	-3.60052165936722	0.000427762689607333	0.0776441337515427	0.00328513677572894
TGCT	FBXL19	cg11940219	-0.237919618526422	156	-3.03979293744406	0.00278262528916942	0.0566057448797581	0.0154989468761018
TGCT	FBXL19	cg26666512	-0.211025798216618	156	-2.6790931459481	0.00818452993012022	0.0445318875129607	0.036571356771038
TGCT	FBXL19	cg27602786	-0.113985369530601	156	-1.42380096100465	0.156527066986466	0.0129926644670277	0.325011120726662
TGCT	FBXW9	cg02753619	0.00683742362656282	156	0.0848521792432556	0.932489119121043	4.67503618490794e-05	0.964219083564643
TGCT	FBXW9	cg03160342	0.0262986501776429	156	0.326470582190727	0.744511601725058	0.000691619001166038	0.856483814331392
TGCT	FBXW9	cg05868316	0.0234662818492782	156	0.291289112039485	0.771222180684493	0.000550666383829761	0.873221918060306
TGCT	FBXW9	cg06489804	0.0521376824059912	156	0.647892818380992	0.518019038098052	0.002718337926668	0.69890079504158
TGCT	FBXW9	cg12110584	-0.0100124713263988	156	-0.124257730099312	0.901273255391894	0.000100249582061958	0.947938756535543
TGCT	FBXW9	cg14342428	0.107027100582939	156	1.33584434088048	0.183570937545017	0.0114548002591905	0.361802779645235
TGCT	FBXW9	cg15828427	0.450222655524913	156	6.25715543234669	3.70308527945076e-09	0.202700439547905	1.09911414051733e-07
TGCT	FBXW9	cg19721801	-0.0268831169489604	156	-0.33373132386364	0.739036298899985	0.00072270197689148	0.853018352990141
TGCT	FBXW9	cg21564527	0.0222691866468654	156	0.276421888260746	0.782594677147046	0.000495916673912928	0.879887419267795
TGCT	FBXW9	cg22303873	0.0967930888759236	156	1.20683731831571	0.229345312326902	0.00936890205414245	0.419402445543491
TGCT	FKBP1A	cg04613791	0.168871291840627	156	2.12617348651715	0.0350830982894306	0.0285175132079221	0.111053651868814
TGCT	FKBP1A	cg07516946	0.124251017589628	156	1.55395647091751	0.122247491108014	0.0154383153720579	0.274137998998496
TGCT	FKBP1A	cg10996143	0.103325456675007	156	1.28913516252614	0.199284083880199	0.0106761499970988	0.382038098111785
TGCT	FKBP1A	cg21332426	0.191169472482357	156	2.41692602219973	0.016821157794047	0.0365457672091825	0.0637153154849592
TGCT	FKBP1A	cg21775445	0.097920674643452	156	1.22103162121131	0.223940159021229	0.00958845852262879	0.412990123690744
TGCT	FKBP1A	cg24641773	0.183885580372651	156	2.3215478749084	0.0215680784659624	0.0338139066689867	0.0771362217810353
TGCT	FKBP1A	cg26779912	-0.15303258130525	156	-1.92172005538524	0.0564877287050965	0.0234189709409481	0.157579028467898
TGCT	FKBP2	cg03764062	0.0585929418901491	156	0.728370658383126	0.467492826793639	0.00343313283934239	0.656583083003869
TGCT	FKBP2	cg04446112	-0.105022113633644	156	-1.31053757702809	0.191965184792937	0.011029644352078	0.372477479504696
TGCT	FKBP2	cg06615912	-0.135370662026699	156	-1.69551288878048	0.0919989949293421	0.0183252161375469	0.224326164121686
TGCT	FKBP2	cg09854726	0.104179249866858	156	1.29990387009778	0.195576215073121	0.0108533161028213	0.377366339486045
TGCT	FKBP2	cg10998122	-0.114975203732095	156	-1.43632997621668	0.152936789211302	0.0132192974732367	0.320007654318405
TGCT	FKBP2	cg12423493	0.0514758568315706	156	0.639646602279704	0.523352779342733	0.00264976383654436	0.702735882977571
TGCT	FKBP2	cg15010817	-0.129088297250687	156	-1.61546002761035	0.108257984891245	0.0166637884870817	0.252135251680425
TGCT	FKBP2	cg16977872	0.062294926061065	156	0.774564072183082	0.439784881392042	0.00388065781295355	0.632384637963591
TGCT	FKBP2	cg19924313	-0.123948605495139	156	-1.55011524120303	0.123166493215348	0.0153632568041897	0.275634721051574
TGCT	FKBP2	cg21809711	-0.186248596935546	156	-2.3524458702915	0.01991514550308	0.0346885398604594	0.0725725514927208
TGCT	FKBP2	cg22074794	0.0707320857572957	156	0.87996610820249	0.380248785091792	0.00500302795557744	0.578659506796379
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TGCT	FKBP5	cg00130530	0.124165929740774	156	1.55287564309663	0.122505526969558	0.0154171781083907	0.274589995247926
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TGCT	FKBP5	cg01294490	-0.0893951676854198	156	-1.11382434527595	0.267089948349472	0.00799149600550432	0.462792512682335
TGCT	FKBP5	cg07485685	-0.024604943644505	156	-0.305431789402881	0.760449761488502	0.000605403251749266	0.866737856281741
TGCT	FKBP5	cg07843056	-0.0120366248699849	156	-0.149381408042167	0.881448130581302	0.000144880338260739	0.937113086390359
TGCT	FKBP5	cg08636224	0.131270315645613	156	1.64324138256989	0.102373160281213	0.017231895769699	0.242273595489068
TGCT	FKBP5	cg08915438	0.0867928025044911	156	1.08115019890931	0.281320447169026	0.0075329905665836	0.478530610808714
TGCT	FKBP5	cg10913456	0.0122319287431185	156	0.151805600771066	0.879538954797	0.000149620080776729	0.936148382503975
TGCT	FKBP5	cg16012111	-0.0315345026256626	156	-0.391527606986028	0.695948504645816	0.00099442485584792	0.825687902262568
TGCT	FKBP5	cg17030679	-0.121051658258821	156	-1.51334036219295	0.132242798770485	0.0146535039672105	0.28952512558892
TGCT	FKBP5	cg20813374	0.0487082227624032	156	0.605171456561961	0.545955817482114	0.00237249096467189	0.719646325954855
TGCT	FKBP5	cg25114611	-0.0354349513694599	156	-0.440012516657136	0.660544960908907	0.00125563577855599	0.802511786121744
TGCT	FMR1	cg02921434	-0.0591371526015568	156	-0.735159390768743	0.46336051309773	0.00349720281781982	0.652641000795278
TGCT	FMR1	cg03513471	-0.0536768795941192	156	-0.667074240920389	0.505722991021977	0.00288120740296157	0.688812493234184
TGCT	FMR1	cg04552106	-0.0622000468615374	156	-0.773379775673264	0.440483156451141	0.00386884582957745	0.633095862856299
TGCT	FMR1	cg04744025	-0.0447444640162258	156	-0.555820869998025	0.579139930778395	0.00200206706009933	0.745229783230357
TGCT	FMR1	cg05288927	-0.0383726988977193	156	-0.476543646170662	0.634362576660499	0.00147246402069502	0.784652214539458
TGCT	FMR1	cg07147350	0.124035089275539	156	1.55121371085383	0.122903133349113	0.015384703371591	0.275221316296603
TGCT	FMR1	cg08434396	-0.0454100327540931	156	-0.564105599793594	0.573502883873569	0.0020620710747278	0.740892811917706
TGCT	FMR1	cg14470409	-0.0301148312911505	156	-0.373884805321176	0.709004266062753	0.000906903063694459	0.834222331232297
TGCT	FMR1	cg16783314	-0.010948566539523	156	-0.135876281711269	0.892096537205793	0.000119871109270362	0.942829013359791
TGCT	FMR1	cg22625568	-0.0214346741613336	156	-0.26519320473266	0.791217589199886	0.000459445256402541	0.885423437924765

TGCT	FXR2	cg01807919	0.190745057463959	156	2.41135737562532	0.0170704617801347	0.0363836769469291	0.064449381398874
TGCT	FXR2	cg01933235	0.25068059644279	156	3.21347099535459	0.00159744003885348	0.0628407614329128	0.00990524871533301
TGCT	FXR2	cg05529097	-0.477147942736279	156	-6.73770525402968	3.02450222145715e-10	0.227670159257463	1.10256853709483e-08
TGCT	FXR2	cg05913233	-0.443079166379972	156	-6.13338009854344	6.94532821157901e-09	0.196319147679971	1.9618912959026e-07
TGCT	FXR2	cg09625173	-0.505129584512169	156	-7.26324131836683	1.75923618762864e-11	0.255155897149436	7.94762020791998e-10
TGCT	FXR2	cg17777561	-0.472118947836671	156	-6.64618311699591	4.91001373610901e-10	0.222896300906406	1.7121004418954e-08
TGCT	FXR2	cg19178740	-0.242185664883749	156	-3.09766272026341	0.00231869694072047	0.0586538962751835	0.01339925046846
TGCT	FXR2	cg22521096	-0.076680643390053	156	-0.954391769686544	0.341381057034197	0.00587992106288374	0.540554762633598
TGCT	FXR2	cg26904212	0.115044120838121	156	1.43720246861735	0.152689145897978	0.0132351497394162	0.319652836813437
TGCT	G2E3	cg02259031	-0.194919046251029	156	-2.46618481935581	0.0147526988552636	0.0379934345914108	0.0576371763130966
TGCT	G2E3	cg05076167	-0.0940820460793874	156	-1.17272918998929	0.242715238764966	0.00885143139448397	0.435194627065291
TGCT	G2E3	cg07906495	-0.0928425982023617	156	-1.15714428377865	0.249005097362824	0.00861974804096518	0.442476892929915
TGCT	G2E3	cg08810065	-0.178467396931432	156	-2.25085781570026	0.0258101496067869	0.0318506117674813	0.0882412208909625
TGCT	G2E3	cg09837748	-0.0904722491012184	156	-1.12735439179466	0.261346122955597	0.00818522785743292	0.456694460242861
TGCT	G2E3	cg18580322	-0.596338570537533	156	-9.21896422994521	2.14302976066763e-16	0.355619690710748	1.98943743677062e-14
TGCT	G2E3	cg18755078	-0.0806837663523107	156	-1.00453424141113	0.316696949180954	0.00650987015279427	0.51597148557212
TGCT	G2E3	cg18956956	-0.339582511893958	156	-4.48034708915536	1.44534879520987e-05	0.11531628238421	0.000180509655120495
TGCT	G2E3	cg19554565	-0.0985066867136432	156	-1.22841034415073	0.221166967930808	0.00970356732729985	0.409468647592976
TGCT	G2E3	cg21061067	-0.0767405266237687	156	-0.955141509746118	0.341003049203304	0.00588910842649336	0.540289154692055
TGCT	G2E3	cg22926526	-0.0904703224787368	156	-1.12733018646448	0.261356321104077	0.00818487924940662	0.456694460242861
TGCT	GADD45	cg01810953	0.694565157652154	156	11.9807754608453	8.69043051210629e-24	0.482420758224362	1.56134723154457e-21
TGCT	GADD45	cg02639608	0.584632169166137	156	8.9425711793179	1.11997166553278e-15	0.341794773223903	9.48063936327064e-14
TGCT	GADD45	cg04718306	-0.130090055115365	156	-1.62821137194179	0.105524178539548	0.0169234224399187	0.24752443676483
TGCT	GADD45	cg07000785	0.130077321437445	156	1.62804925361967	0.105558585269213	0.0169201095523404	0.247576380169493
TGCT	GADD45	cg22224769	-0.0585793873386778	156	-0.728201581074452	0.467596007051253	0.00343154462097485	0.656633159546287
TGCT	GADD45	cg23369529	0.770200452682185	156	14.985744430998	6.92781893332898e-32	0.593208737311843	2.04921196235511e-29
TGCT	GADD45	cg23723105	0.59555370903494	156	9.20015515892599	2.39934365677054e-16	0.354684220345274	2.20892947260127e-14
TGCT	GATAD2A	cg02887458	-0.75517947590248	156	-14.2963726874062	4.80166224377267e-30	0.570296040824344	1.32461174678032e-27
TGCT	GATAD2A	cg08505228	-0.525338174311393	156	-7.66168157667067	1.90896035229008e-12	0.275980197388828	1.03995561376789e-10
TGCT	GATAD2A	cg08870822	-0.19898231464561	156	-2.51969165643467	0.0127651690834539	0.0395939615417244	0.0516261539455883
TGCT	GATAD2A	cg09334331	-0.134419312401162	156	-1.68337721741368	0.0943281722067426	0.0180685515464012	0.228404065881827
TGCT	GATAD2A	cg11795262	-0.85577115607921	156	-20.5272009339288	6.27334482244793e-46	0.732344271577147	3.08878852606022e-43
TGCT	GATAD2A	cg14948912	0.0936125798303206	156	1.16682544461877	0.245084508938944	0.00876331510248815	0.437952170164007
TGCT	GATAD2A	cg15264323	-0.333485612758338	156	-4.38973730291526	2.09831931646471e-05	0.111212653916804	0.000249673681408773
TGCT	GATAD2A	cg22191731	0.0947862906791479	156	1.18158685818817	0.239191088669589	0.00898444090071193	0.431055661802899
TGCT	GATAD2A	cg26631329	-0.328635681167276	156	-4.31810293949812	2.80696264493228e-05	0.10800141093628	0.000321692474955601
TGCT	GATAD2E	cg02134200	0.042943611333776	156	0.533408272234424	0.59451999043797	0.00184415375438642	0.756103387927405
TGCT	GATAD2E	cg02940454	0.0245978735249459	156	0.305343971813911	0.760516509707907	0.000605055381949236	0.866752256127108
TGCT	GATAD2E	cg09805553	0.131077085888582	156	1.64078021613502	0.102883901821447	0.0171812024450427	0.243112516198824
TGCT	GATAD2E	cg10226922	-0.0194895625124399	156	-0.241905057623203	0.809175559630161	0.000379843046926304	0.896890461974033
TGCT	GATAD2E	cg10489353	0.0190591111566739	156	0.236560318573988	0.813312267488794	0.00036324971808245	0.899423059406693
TGCT	GATAD2E	cg15064304	0.0460944157419367	156	0.572625306840916	0.567733490189567	0.0021246951625905	0.736402004691034
TGCT	GATAD2E	cg20773694	0.0174432202590288	156	0.216497609679024	0.828886411602764	0.000304265933004993	0.907998049794771
TGCT	GATAD2E	cg23046518	-0.0811148660079476	156	-1.00993699984397	0.314109652371072	0.0065796214874873	0.513185616107089
TGCT	GATAD2E	cg23323627	-0.213261590772348	156	-2.70882284648048	0.00751680200996279	0.0454805060987523	0.034234652278148
TGCT	GATAD2E	cg26398333	-0.0755489560359696	156	-0.940224963447512	0.348574620825398	0.00570764475812487	0.547756080968339
TGCT	GLYR1	cg00636946	0.0752668750290992	156	0.936694358623607	0.350382409269104	0.00566510247664604	0.549405380579298
TGCT	GLYR1	cg00885266	-0.119967202269551	156	-1.49958404101544	0.135769435619243	0.0143921296203834	0.294848067516147
TGCT	GLYR1	cg01261535	-0.0517709507897652	156	-0.643323309744569	0.520971134740192	0.00268023134567629	0.701140149031883
TGCT	GLYR1	cg01565912	0.205289519500008	156	2.60301684328674	0.0101438739304559	0.0421437868165442	0.0431219960954036
TGCT	GLYR1	cg02454264	-0.150920301005693	156	-1.8945722383418	0.0600235807201833	0.0227769372556491	0.164719713508746
TGCT	GLYR1	cg06399529	-0.129162961143462	156	-1.61641024796097	0.108052330987431	0.0166830705313474	0.251776883628953
TGCT	GLYR1	cg06976003	-0.215162484852566	156	-2.7341343926614	0.00698761293202839	0.0462948948879305	0.0323471800317891
TGCT	GLYR1	cg11289281	0.0259629388306297	156	0.322300243228933	0.747662367235547	0.000674074192723022	0.858377305146431
TGCT	GLYR1	cg15663121	0.143777756187988	156	1.80296786364431	0.073348430853191	0.0206720431744525	0.190787342175777
TGCT	GLYR1	cg18354686	-0.0736368613897761	156	-0.916297053755964	0.360943759677476	0.00542238735533709	0.559793836530095
TGCT	GTF2B	cg02705666	-0.2452090929647	156	-3.13879144181577	0.0020336567528227	0.0601274992725709	0.0120547312884097

TGCT	GTF2B	cg04270788	0.16344084614655	156	2.05589287332427	0.0414812233197105	0.0267129101891002	0.125685424539744
TGCT	GTF2B	cg05306856	-0.387573375136828	156	-5.21746188184061	5.77366205523311e-07	0.150213121114952	1.05065793198785e-05
TGCT	GTF2B	cg06356032	0.0388661332105451	156	0.482680729841701	0.630007860940167	0.00151057631073984	0.781721824900781
TGCT	GTF2B	cg07167781	0.0936623267606941	156	1.16745099696815	0.244832691116637	0.00877263145422703	0.43780750473056
TGCT	GTF2B	cg10430205	-0.313876154844794	156	-4.10242086392373	6.60468657517496e-05	0.0985182405801533	0.000676237151130773
TGCT	GTF2B	cg12074130	-0.292627709739859	156	-3.79765104595999	0.000209724707016494	0.0856309765075949	0.00180659105942212
TGCT	GTF2B	cg13868361	-0.124568524137582	156	-1.5579899032606	0.121288338313418	0.0155173172058154	0.272686694143519
TGCT	GTF2B	cg14010405	-0.102632909109474	156	-1.28040232784709	0.202328846803492	0.0105335140322735	0.385887624316136
TGCT	GTF2B	cg17811845	-0.350888015089715	156	-4.6500691036543	7.08976326516523e-06	0.1231223991336	9.65245088292376e-05
TGCT	GTF2B	cg22607980	-0.0886111595628573	156	-1.10397829742191	0.271324555030256	0.00785193759907415	0.467619797820545
TGCT	GTF2H1	cg05849260	-0.205532592795874	156	-2.60623480654832	0.010053125750639	0.0422436467013946	0.0428157705378962
TGCT	GTF2H1	cg07583091	-0.32201790573376	156	-4.2209732597216	4.14236072045086e-05	0.103695531613157	0.00045139488708048
TGCT	GTF2H1	cg08690812	-0.392927412248126	156	-5.30259104994202	3.90007892064866e-07	0.154391951296009	7.36414416390636e-06
TGCT	GTF2H1	cg10797557	-0.0996096039829359	156	-1.24230114287847	0.216013912059618	0.00992207320563732	0.403213153953412
TGCT	GTF2H1	cg11063328	0.00617348540375624	156	0.0766123990557031	0.939031336638685	3.81119220303913e-05	0.967423649575836
TGCT	GTF2H1	cg11176342	0.0436320266410772	156	0.541975350699461	0.588618816115859	0.00190375374880767	0.752141169386361
TGCT	GTF2H1	cg11347316	0.00691810517428447	156	0.0858534819676096	0.931694409908894	4.78601792024616e-05	0.963743121433367
TGCT	GTF2H1	cg11662851	0.0430829285867685	156	0.535141963015061	0.593323588147645	0.00185613873561259	0.755396874398277
TGCT	GTF2H1	cg13777411	-0.130975068580409	156	-1.63948089896354	0.103154360440692	0.0171544685896429	0.243496825062696
TGCT	GTF2H1	cg14132868	0.0145375069280826	156	0.180424783017582	0.857056310873294	0.000211339107684048	0.923921010896951
TGCT	GTF2H1	cg17174493	0.0200139025200317	156	0.248415755886694	0.804143701772375	0.00040055629408133	0.893475136192872
TGCT	GTF2H1	cg18321761	0.0434262440258563	156	0.539414380303048	0.590379999833582	0.00188583867019322	0.75333876005195
TGCT	H2AFZ	cg02758870	-0.116517366952349	156	-1.45585885580278	0.147467251114079	0.0135762968015084	0.312207625376785
TGCT	H2AFZ	cg09308803	-0.107012418653414	156	-1.335658967375	0.183631411364889	0.0114516577460535	0.361894462575878
TGCT	H2AFZ	cg16267491	-0.109406379636422	156	-1.36589680160728	0.173962811527936	0.0119697559051488	0.349092345551739
TGCT	H2AFZ	cg17709884	0.0608663597529768	156	0.75673470395951	0.450364974053959	0.0037047137495788	0.641186135052775
TGCT	H2AFZ	cg20934652	0.0234040821366134	156	0.290516597585061	0.771811908255118	0.000547751060657346	0.873520943767438
TGCT	H2AFZ	cg23752380	-0.0883296811539365	156	-1.10044382696591	0.272855934278817	0.00780213257275609	0.469146967649161
TGCT	H2AFZ	cg24061702	-0.202416881353985	156	-2.56502487234274	0.0112723041996331	0.0409725938570733	0.046806385530091
TGCT	H3F3A	cg06319713	-0.149349062584701	156	-1.87439534054326	0.0627699811105665	0.0223051424949289	0.170149758197687
TGCT	H3F3A	cg10632229	0.0839926244586888	156	1.04601728971961	0.29719208425562	0.00705476096345833	0.495260721532534
TGCT	H3F3A	cg10983539	0.0856421023502128	156	1.06670966823009	0.287772387309406	0.00733456969496432	0.485259572080199
TGCT	H3F3A	cg11978873	-0.0126042560795738	156	-0.156427130567247	0.875901231342398	0.000158867271319472	0.934344290136168
TGCT	H3F3A	cg15538837	-0.0272234389919879	156	-0.337959250065186	0.735854156207508	0.000741115630550488	0.851015757223425
TGCT	H3F3A	cg15624314	0.0758470137173567	156	0.94395578349479	0.346670830730783	0.00575276948984089	0.545998594606139
TGCT	H3F3A	cg16724613	-0.237575519349229	156	-3.03513334799508	0.0028234788772321	0.0564421273940559	0.0156881448307545
TGCT	H3F3A	cg16727519	-0.0251492872695982	156	-0.312193192074251	0.755316010567049	0.000632486650168773	0.863458464668651
TGCT	H3F3A	cg18947521	0.086826435717326	156	1.08157233891664	0.281133340746105	0.00753882993937494	0.478357110892443
TGCT	H3F3A	cg19410789	0.0698811970820818	156	0.869328077946238	0.386020591376464	0.00488338170562475	0.584106548773451
TGCT	H3F3A	cg21266749	-0.00081437112420496	156	-0.0101060832292817	0.991949729510546	6.63200327938857e-07	0.995725586879101
TGCT	H3F3A	cg21789564	-0.0868848792447023	156	-1.08230588909319	0.28080840995962	0.0075489822413665	0.478010439823785
TGCT	H3F3A	cg22519151	-0.0271825030120583	156	-0.337450683508099	0.73623668732848	0.00073888847000056	0.851252126897311
TGCT	H3F3A	cg27530209	0.0247665189022905	156	0.307438719839272	0.758924829549904	0.000613380458537515	0.865724272182137
TGCT	H3F3A	cg27560444	-0.242210978342922	156	-3.09800666772305	0.00231616717101679	0.0586661580298353	0.0133886096672671
TGCT	HAT1	cg00414306	-0.239523320287606	156	-3.06152536742219	0.00259918688287848	0.0573714209615992	0.014675652806405
TGCT	HAT1	cg01583365	0.179728798127182	156	2.26729592643007	0.024763508335257	0.0323024408762412	0.0855782669553989
TGCT	HAT1	cg04507121	-0.505764489710464	156	-7.27550587601983	1.64428077185482e-11	0.255797719052086	7.48479686165441e-10
TGCT	HAT1	cg04950839	-0.137508259303111	156	-1.72279813538065	0.0869324011657993	0.0189085213765716	0.215465613671016
TGCT	HAT1	cg05421799	-0.473069487950711	156	-6.66341723241902	4.48301462088532e-10	0.223794740429948	1.57592245556779e-08
TGCT	HAT1	cg09545452	-0.171816758898432	156	-2.16437650747707	0.0319762803979538	0.0295209986383621	0.103501820640693
TGCT	HAT1	cg10190161	-0.0631883400738185	156	-0.785716839303858	0.433240617155503	0.00399276632128454	0.626850951786174
TGCT	HAT1	cg12941622	-0.198451488385056	156	-2.51269389934633	0.0130107250038397	0.039382993242244	0.0523592334048268
TGCT	HAT1	cg13293756	-0.173642103332024	156	-2.18808136249815	0.0301706675173002	0.0301515800495694	0.0991220436847956
TGCT	HAT1	cg14446129	-0.102848184494788	156	-1.28311668917498	0.201378821442594	0.010577749053874	0.384650953528413
TGCT	HAT1	cg16017358	0.104019812213106	156	1.29789269782637	0.196264793692098	0.0108201213328498	0.378272758726633
TGCT	HDAC1	cg03762702	-0.440143019461202	156	-6.08292999257202	8.95657694885877e-09	0.193725877580424	2.47343964202882e-07
TGCT	HDAC1	cg04967775	0.0560584458793051	156	0.69676268550164	0.487001723593385	0.00314254935440298	0.673334022059926

TGCT	HDAC1	cg06473843	-0.367327853804225	156	-4.90104323769574	2.39360809604058e-06	0.134929752180418	3.70195523306921e-05
TGCT	HDAC1	cg10842753	-0.181218813524886	156	-2.2867281487874	0.0235742657016796	0.0328402583753673	0.0824797133346733
TGCT	HDAC1	cg14172124	-0.42688866077205	156	-5.85814929467446	2.74087444078679e-08	0.182233928695754	6.83189959136712e-07
TGCT	HDAC1	cg20002354	0.594894045249571	156	9.18437801641579	2.63770995102537e-16	0.353898925073399	2.41409421094197e-14
TGCT	HDAC1	cg20793809	0.0603865933530474	156	0.75074798276722	0.453949933067042	0.00364654065678631	0.644250316391817
TGCT	HDAC1	cg21930229	-0.151669238421245	156	-1.90419480232448	0.0587496550712345	0.0230035578832804	0.162133125212374
TGCT	HDAC1	cg23018091	0.399996436791183	156	5.41596816743272	2.29864490236946e-07	0.159997149445643	4.58397286682722e-06
TGCT	HDAC1	cg26115470	-0.282609538712424	156	-3.65613434021191	0.000350825397459838	0.079868151371249	0.00278458591080868
TGCT	HDAC10	cg00711351	-0.0923440178255172	156	-1.1508766330761	0.25156680671023	0.00852741762815944	0.445307821999082
TGCT	HDAC10	cg01120165	-0.198223279499611	156	-2.50968618349627	0.0131175578823936	0.039292468535581	0.0526883156703286
TGCT	HDAC10	cg04321608	-0.105640926956061	156	-1.31834644356293	0.189345118060424	0.0111600054481358	0.369231176457506
TGCT	HDAC10	cg04586023	-0.00030053885588428	156	-0.0037295892878983	0.997029052082921	9.03236038962329e-08	0.998517959753583
TGCT	HDAC10	cg07482373	-0.0994431378929974	156	-1.24020427451317	0.216786141791046	0.00988893767400571	0.404079478495607
TGCT	HDAC10	cg07744063	-0.184595112857092	156	-2.33082107358721	0.0210597651242654	0.0340753556907223	0.0757900636892046
TGCT	HDAC10	cg09151829	-0.110878579806576	156	-1.38450389579029	0.168207003887203	0.0122940594599231	0.341283596588625
TGCT	HDAC10	cg10508940	-0.119628727784969	156	-1.49529161083824	0.13688474903503	0.0143110325114502	0.296636240701785
TGCT	HDAC10	cg11645658	-0.0680903828434916	156	-0.846945056256107	0.398339998692154	0.00463630023577326	0.594948006340618
TGCT	HDAC10	cg12464820	-0.165570464972913	156	-2.08343102903696	0.0388642047352872	0.0274135788713466	0.119904895624705
TGCT	HDAC10	cg26943378	-0.0462533393355745	156	-0.574603820772772	0.566397700408642	0.0021393713996918	0.735398000235461
TGCT	HDAC11	cg01409735	0.606609422194004	156	9.46896214713939	4.74728638432503e-17	0.367974991094544	4.76529544493137e-15
TGCT	HDAC11	cg01712016	0.0588596858537602	156	0.731698062324888	0.46546485727592	0.00346446261880334	0.654727752991049
TGCT	HDAC11	cg02762546	0.532203961524227	156	7.80102919253349	8.67647941867098e-13	0.28324105666208	4.94644613172198e-11
TGCT	HDAC11	cg02941903	-0.204316258358104	156	-2.59013720639715	0.0105145036651588	0.0417451334294556	0.0443125466237262
TGCT	HDAC11	cg05987698	0.403490247054867	156	5.47242638506453	1.76202225023794e-07	0.162804379468398	3.62535728471331e-06
TGCT	HDAC11	cg07450135	-0.124828965670244	156	-1.56129877523821	0.120505932994148	0.015582270670303	0.271507465281981
TGCT	HDAC11	cg08051076	-0.0156879952466685	156	-0.194706862609418	0.845879066694149	0.000246113194859494	0.917683296113415
TGCT	HDAC11	cg08448040	0.151877780430277	156	1.90687480693029	0.0583989137168642	0.0230668601884274	0.161452158310444
TGCT	HDAC11	cg10455785	-0.284416859093983	156	-3.68156648477881	0.000320177732024975	0.0808929497368863	0.00258139770806829
TGCT	HDAC11	cg11432034	0.572805034855084	156	8.67194827850852	5.57338118199053e-15	0.328105607955334	4.31848222780649e-13
TGCT	HDAC11	cg13397067	-0.289749083904296	156	-3.75685053057249	0.000243613385594115	0.0839545316233789	0.00204860660673533
TGCT	HDAC11	cg13706066	0.536293047143104	156	7.88503618203843	5.37884103250725e-13	0.287610232414035	3.17241515756534e-11
TGCT	HDAC11	cg16254764	0.599882075845604	156	9.30439750469875	1.28185513605112e-16	0.359858504920831	1.22506926847617e-14
TGCT	HDAC11	cg18521047	0.227682801745936	156	2.90168088243629	0.00425610229350175	0.0518394582108791	0.0218244823558549
TGCT	HDAC11	cg19779799	0.518671855217022	156	7.52836110254855	4.03662247028709e-12	0.269020493394268	2.06053155153225e-10
TGCT	HDAC11	cg20894727	0.48673077064029	156	6.91449367504564	1.17518656654516e-10	0.23690684308809	4.64073420090428e-09
TGCT	HDAC11	cg20922324	-0.179224636430715	156	-2.26072449769674	0.0251773836368144	0.032121470303722	0.0866781996442588
TGCT	HDAC11	cg21655280	0.267658741867889	156	3.447337397832507	0.00073009814557896	0.0716412020983014	0.00516457972428532
TGCT	HDAC11	cg25127083	0.679775484819498	156	11.5019890798388	1.72295454512935e-22	0.462094709761584	2.82775371062853e-20
TGCT	HDAC11	cg25150878	0.593402756099488	156	9.1488166123369	3.26492724063752e-16	0.352126830946469	2.94654002039624e-14
TGCT	HDAC11	cg27025856	0.415383229957193	156	5.66678403959632	6.96547335849328e-08	0.17254322772967	1.56700993189886e-06
TGCT	HDAC2	cg00161229	0.171750783902769	156	2.16352015430953	0.0320432237047932	0.0294983317712158	0.103666744776291
TGCT	HDAC2	cg01129566	0.0711132619178727	156	0.884732295855475	0.377680287631676	0.00505709602059997	0.57625003032182
TGCT	HDAC2	cg08198132	-0.165145562530465	156	-2.07793422559976	0.0393749630969076	0.0272730568235038	0.121101284065819
TGCT	HDAC2	cg10999867	0.55070219050276	156	8.18739632314785	9.46688657538303e-14	0.303272902624538	6.27849082903109e-12
TGCT	HDAC2	cg13393754	-0.0422080866522491	156	-0.524255775499018	0.60085440544876	0.00178152257884377	0.760824657850589
TGCT	HDAC2	cg15005908	-0.206172788651874	156	-2.61471254978516	0.00981753423769595	0.0425072187804902	0.0419937918697326
TGCT	HDAC2	cg15242771	-0.106076885598625	156	-1.32384877821431	0.187514996382657	0.0112523056583038	0.366834812234487
TGCT	HDAC2	cg18387216	-0.0551366971849132	156	-0.685270841494949	0.494203223805471	0.00304005537646082	0.679363041297198
TGCT	HDAC2	cg18674783	0.0669919626646325	156	0.833220210174681	0.406010955631372	0.00448792306165951	0.602348107165444
TGCT	HDAC2	cg22867643	0.295676394693923	156	3.84098507092908	0.000178649889104631	0.0874245303791967	0.00157930562193246
TGCT	HDAC2	cg24023618	0.0902062452162907	156	1.12401254381387	0.262756733803778	0.00813716667602157	0.45815949256803
TGCT	HDAC3	cg01947930	-0.0815409092666118	156	-1.01527694951189	0.311566266339099	0.00664891988402582	0.510406975665035
TGCT	HDAC3	cg01961137	-0.398726932760912	156	-5.3955234962398	2.5298743670789e-07	0.158983166908925	5.00277189914937e-06
TGCT	HDAC3	cg04284814	0.101043343167093	156	1.26036543212481	0.20944395078133	0.0102097571983828	0.394897787374764
TGCT	HDAC3	cg08520975	-0.0540723003124708	156	-0.672002724683398	0.502588874016952	0.00292381366108203	0.686153502251145
TGCT	HDAC3	cg10414058	0.458035869148474	156	6.39426268109455	1.83035129815745e-09	0.209796857426598	5.76395880417119e-08
TGCT	HDAC3	cg11064797	0.179445752577232	156	2.2636063798561	0.0249951411654297	0.0322007781180092	0.086172036863436

TGCT	HDAC3	cg11153694	0.133301249775728	156	1.6691209668272	0.0971250750762172	0.017769223191771	0.233173314729022
TGCT	HDAC3	cg12082871	0.0352750273105107	156	0.438024184387024	0.661982521582959	0.00124432755175727	0.803317395667006
TGCT	HDAC3	cg14098966	-0.303736153295641	156	-3.95617115259242	0.000115908194425694	0.0922556508188331	0.00109376056248816
TGCT	HDAC3	cg17940889	-0.137530306318391	156	-1.72307968044688	0.0868813312093507	0.0189145851560304	0.215386799731064
TGCT	HDAC3	cg18671773	-0.30602353266739	156	-3.98903008333738	0.000102278932215502	0.093650402546229	0.00098279239782272
TGCT	HDAC3	cg19549288	0.331837226699716	156	4.36534681574511	2.31771253485968e-05	0.110115945023759	0.000272568600055743
TGCT	HDAC3	cg20642138	-0.295189797865057	156	-3.8340600655698	0.000183303643578092	0.0871370167636134	0.00161165502356624
TGCT	HDAC3	cg23421926	-0.201666756260469	156	-2.5551155369035	0.0115845636898023	0.0406694805806194	0.0478196724867072
TGCT	HDAC3	cg24385322	0.2488053323882	156	3.18783932583313	0.00173627201794846	0.0619040934248026	0.0105955087358239
TGCT	HDAC6	cg07153944	-0.0991959295060569	156	-1.23709054035276	0.217936558151808	0.00983983243057061	0.405485706228303
TGCT	HDAC6	cg07674520	-0.170974580557929	156	-2.15344731046541	0.0328397923658483	0.0292323071969599	0.105558995426362
TGCT	HDAC6	cg10783042	-0.0289844184197312	156	-0.35983835463924	0.719461006510152	0.000840096511130055	0.84084113845999
TGCT	HDAC6	cg12510923	-0.0527659802725206	156	-0.655722077739664	0.51298138532091	0.00278424867412003	0.694711038125812
TGCT	HDAC6	cg13178935	-0.112509124295485	156	-1.40512307441923	0.161998700411626	0.0126583030497369	0.332539876932716
TGCT	HDAC6	cg17152375	-0.0585517354229353	156	-0.727856656750087	0.467806538327333	0.00342830572103741	0.656833950161292
TGCT	HDAC6	cg24616736	-0.177494377127044	156	-2.23818562025031	0.0266431778293247	0.0315042539117175	0.0903561347946503
TGCT	HDAC6	cg26680189	-0.158737998908744	156	-1.99518421699977	0.0477868042170664	0.0251977522975523	0.139574888734318
TGCT	HDAC9	cg00332048	-0.436483247227859	156	-6.02038467307188	1.22561323391221e-08	0.190517625110576	3.28777089375747e-07
TGCT	HDAC9	cg02301805	-0.384262204784762	156	-5.16512628055994	7.33369589218408e-07	0.147657442026047	1.29580505848022e-05
TGCT	HDAC9	cg03260621	-0.664104563421352	156	-11.023118276321	3.39157094442394e-21	0.441034871157065	4.95016641745808e-19
TGCT	HDAC9	cg07513622	0.00503649016043577	156	0.0625019919373286	0.950244123604711	2.53662331361663e-05	0.973661358899212
TGCT	HDAC9	cg08146609	-0.469361764544166	156	-6.5963612383999	6.38281637987983e-10	0.220300466016013	2.18549655570586e-08
TGCT	HDAC9	cg08285151	-0.648049443652808	156	-10.5594805851812	5.99649897535294e-20	0.419968081418714	7.98787057001039e-18
TGCT	HDAC9	cg08725366	-0.535563837775474	156	-7.86999857195011	5.86036802274085e-13	0.286828624332794	3.4329929669504e-11
TGCT	HDAC9	cg10068437	0.098628040892264	156	1.22993852636451	0.220595742003544	0.00972749045024611	0.408809975544897
TGCT	HDAC9	cg11321459	-0.320492377718612	156	-4.19868167697827	4.52537779277615e-05	0.102715364175729	0.000486858304537723
TGCT	HDAC9	cg11765288	-0.280752198660299	156	-3.63004241813238	0.000385134330405577	0.0788217970525921	0.00300965746856569
TGCT	HDAC9	cg12081743	-0.349204355202458	156	-4.6246495255247	7.8969840697523e-06	0.121943681692365	0.000106325005329018
TGCT	HDAC9	cg16475478	-0.562154199028056	156	-8.43515902493175	2.24005615477739e-14	0.316017343484875	1.60907597880658e-12
TGCT	HDAC9	cg18856632	0.282620876032009	156	3.65629374373765	0.000350624952255897	0.0798745595691003	0.00278331811589747
TGCT	HDAC9	cg19585556	-0.28153396708303	156	-3.64101928502918	0.000370331587262596	0.0792613746215087	0.00291476886882905
TGCT	HDAC9	cg20648975	0.215986531757892	156	2.74511717603012	0.0067686910503088	0.0466501819008029	0.0315401947629663
TGCT	HDAC9	cg21433125	-0.333110509051435	156	-4.38418308030872	2.14645153533496e-05	0.110962611240506	0.000254660745371126
TGCT	HDAC9	cg23074799	0.215797999353745	156	2.74260390041159	0.00681823212394934	0.046568776525079	0.0317349258017539
TGCT	HDAC9	cg23385718	0.196387532301839	156	2.48550706069366	0.0140052423604701	0.038568062843606	0.0553647961883434
TGCT	HDAC9	cg24350771	-0.629599069056386	156	-10.0565268829945	1.32506531114414e-18	0.396394987756668	1.52263117895344e-16
TGCT	HDAC9	cg25620356	-0.429865930296608	156	-5.90822777611506	2.14084455415724e-08	0.184784718029768	5.48205599888441e-07
TGCT	HDGF	cg00692559	0.169218366854191	156	2.13067201606603	0.0347042322543699	0.0286348556807996	0.110123227443158
TGCT	HDGF	cg00746981	-0.164539434539402	156	-2.0700950330179	0.0401133231074081	0.0270732255185463	0.122729067179122
TGCT	HDGF	cg01910231	-0.108146402465913	156	-1.34997921761961	0.17900351558926	0.0116956443663193	0.355757082792604
TGCT	HDGF	cg02914429	-0.144958624144869	156	-1.81809242315831	0.0709933247702966	0.0210130027139733	0.186255723296252
TGCT	HDGF	cg04402095	-0.145886901042095	156	-1.82998736327684	0.0691854003779954	0.021282987895666	0.182800972625268
TGCT	HDGF	cg05762852	-0.0552746061910256	156	-0.686990100853625	0.493122183097346	0.00305528208957297	0.678480166814789
TGCT	HDGF	cg05967123	-0.0279980178535704	156	-0.347582524065055	0.728628330289787	0.000783889003728849	0.846589092679946
TGCT	HDGF	cg06106793	0.447456381463328	156	6.20904832872666	4.73237126501214e-09	0.200217213312256	1.37574772118966e-07
TGCT	HDGF	cg06119628	-0.234020081223902	156	-2.98705817295794	0.00327847748840289	0.0547653984160417	0.0176771470566131
TGCT	HDGF	cg07313589	0.126665031339599	156	1.58463506867032	0.115100636073422	0.0160440301642615	0.263035941222146
TGCT	HDGF	cg07892339	0.120412696736837	156	1.50523447494383	0.134312087618068	0.0144992175354376	0.292604417482778
TGCT	HDGF	cg08597205	0.443991253826206	156	6.14910179318864	6.41459156031186e-09	0.197128233474167	1.81990056835485e-07
TGCT	HDGF	cg08708935	-0.0437278827761979	156	-0.543168306555159	0.587799255641134	0.00191212773208891	0.751561482723508
TGCT	HDGF	cg09063372	0.150743400730014	156	1.89229986064416	0.0603277724441098	0.0227235728636495	0.165311000279002
TGCT	HDGF	cg09477492	-0.0176606876107015	156	-0.219197556124979	0.826786410771078	0.000311899886882784	0.906974759427001
TGCT	HDGF	cg11588596	0.0135275094608962	156	0.167887339502544	0.866892185758078	0.000182993512214637	0.929245938612351
TGCT	HDGF	cg12220178	-0.166910541694041	156	-2.10077492928185	0.0372897176468056	0.0278591289285983	0.116292495274227
TGCT	HDGF	cg12421458	0.0914945118415997	156	1.14019950731619	0.255973387022047	0.00837124569713262	0.450219165046193
TGCT	HDGF	cg13170934	-0.108317850488885	156	-1.35214477156181	0.178311362150932	0.0117327567345324	0.354893688148596
TGCT	HDGF	cg13235992	0.235850764608095	156	3.0117959308799	0.00303654042469306	0.0556255831662229	0.0166203212410168

TGCT	HDGF	cg14155849	-0.135611958358134	156	-1.69859168763337	0.0914155660203031	0.0183906032497282	0.223318654199512
TGCT	HDGF	cg15503799	0.153608468083036	156	1.92912622935133	0.0555540811420458	0.023595561466817	0.155664408958335
TGCT	HDGF	cg17170583	-0.0998075950810259	156	-1.24479524908165	0.215097995165706	0.00996155603585803	0.402120684425301
TGCT	HDGF	cg17218029	-0.258027151072937	156	-3.31426136244686	0.00114560346322746	0.0665780106908161	0.00751695983622785
TGCT	HDGF	cg17971171	0.108340144738809	156	1.35242637841316	0.178221503051433	0.0117375869620261	0.354801126196566
TGCT	HDGF	cg18593717	-0.197986131084844	156	-2.50656109779507	0.0132293887807741	0.039198508101945	0.0530416466944049
TGCT	HDGF	cg19599803	0.382243402071192	156	5.1333254131115	8.47415550018717e-07	0.146110018426959	1.47844461310061e-05
TGCT	HDGF	cg20284773	-0.107261304693497	156	-1.33880151302782	0.182608241851093	0.0115049874845513	0.360453314215928
TGCT	HDGF	cg23747104	-0.0691582920986918	156	-0.860291631992308	0.39096563167931	0.00478286936600797	0.588203586004009
TGCT	HDGF	cg26431298	0.00574490150696546	156	0.071293529321528	0.943256646926282	3.30038933247341e-05	0.969744037031001
TGCT	HDGFL1	cg02685945	-0.608001173240581	156	-9.50340447071631	3.85408808724264e-17	0.369665426661923	3.89383024232408e-15
TGCT	HDGFL1	cg03930485	-0.623675854841213	156	-9.90121710123388	3.42748119807256e-18	0.388971571911918	3.86431119308488e-16
TGCT	HDGFL1	cg05276066	-0.668657762554498	156	-11.1594351907768	1.45373938168713e-21	0.447103203424388	2.19596507687318e-19
TGCT	HDGFL1	cg06566039	-0.64020538315186	156	-10.3419690777833	2.29407217001874e-19	0.40986293261662	2.88311874627524e-17
TGCT	HDGFL1	cg08671671	-0.672885766160241	156	-11.2880477518635	6.5311798914148e-22	0.452775254301055	1.01617321694545e-19
TGCT	HDGFL1	cg09081892	-0.699158780367734	156	-12.1353001969303	3.31149916328701e-24	0.488823000165297	6.22257888668477e-22
TGCT	HDGFL1	cg11894257	-0.601033431810834	156	-9.33233966778462	1.08324221371863e-16	0.361241186154309	1.04165321105102e-14
TGCT	HDGFL1	cg15317945	-0.695076616401847	156	-11.9978383750723	7.81226973117469e-24	0.48313150266864	1.41008749760326e-21
TGCT	HDGFL1	cg20209681	-0.637320495492359	156	-10.2633677270468	3.7213755362216e-19	0.406177413974627	4.57347059186134e-17
TGCT	HDGFL1	cg21898884	-0.659732122906766	156	-10.8942795610333	7.5457978840483e-21	0.435246473995068	1.07315868481107e-18
TGCT	HIST1H1	cg00667898	-0.214076430984864	156	-2.71966896582442	0.00728575017753628	0.0458287183032171	0.0334260429285256
TGCT	HIST1H1	cg00700007	-0.218431758776659	156	-2.7777431545947	0.00615456473634735	0.0477124332422645	0.0292747299969065
TGCT	HIST1H1	cg03821311	-0.20348238959524	156	-2.57910859412596	0.010841486163339	0.041405082875389	0.0454165535516589
TGCT	HIST1H1	cg04676561	-0.219180519684718	156	-2.78774461409395	0.00597671561577311	0.0480401002092632	0.0285761638797313
TGCT	HIST1H1	cg07138603	-0.192183501905965	156	-2.43023656029813	0.0162382872902235	0.0369344984048399	0.0620056605043758
TGCT	HIST1H1	cg11206041	-0.187086716607335	156	-2.3634149632886	0.0193557827220289	0.0350014395309134	0.0709763733715541
TGCT	HIST1H1	cg14334286	-0.172140737540474	156	-2.16858217481749	0.0316492669845528	0.0296324335209784	0.102708287827311
TGCT	HIST1H1	cg18798248	-0.186833487615709	156	-2.36010020533247	0.0195233372035533	0.0349067520946492	0.0714745721946575
TGCT	HIST1H1	cg23460835	-0.187939504992733	156	-2.37458152636259	0.018800634661248	0.0353212575369135	0.0694217093619292
TGCT	HIST1H1	cg00903962	-0.196372479441841	156	-2.48530890819046	0.0140127331104436	0.0385621506821362	0.0553915934752972
TGCT	HIST1H1	cg04290376	0.139565742312153	156	1.74908393593217	0.082268796248264	0.0194785964271423	0.207115769549716
TGCT	HIST1H1	cg07750111	-0.0607296503079754	156	-0.755028734191671	0.451384887117533	0.00368809042652897	0.641997137616799
TGCT	HIST1H1	cg08283682	-0.387177118625381	156	-5.21118629898609	5.94212694817441e-07	0.149906121187052	1.07753338882583e-05
TGCT	HIST1H1	cg10717387	-0.188873694934149	156	-2.38682036652206	0.018208374488093	0.0356732726380778	0.0677201455718653
TGCT	HIST1H1	cg12633985	-0.227556103266082	156	-2.89997798248808	0.00427807046482013	0.0517817801336438	0.0219197927774628
TGCT	HIST1H1	cg15022984	-0.116982998241453	156	-1.46175737702692	0.145845265745359	0.0136850218775597	0.309844519181672
TGCT	HIST1H1	cg16481032	-0.0871022424470043	156	-1.08503420822823	0.279602143783091	0.00758680063929672	0.476689476948014
TGCT	HIST1H1	cg16482183	0.123583577665962	156	1.54547925243124	0.124282884103092	0.0152729006687188	0.277335284433363
TGCT	HIST1H1	cg17691542	0.0513313347119407	156	0.637845997966891	0.524521203495005	0.00263490592330929	0.703665537591769
TGCT	HIST1H1	cg20855557	0.130127386941748	156	1.62868666535205	0.105423357749916	0.0169331368322875	0.247362530321128
TGCT	HIST1H1	cg23407813	-0.18771690954574	156	-2.37166628621537	0.0189441932144525	0.0352376381294034	0.0697994016730659
TGCT	HIST1H3	cg00958605	-0.118727065740588	156	-1.48385958483201	0.139889986580329	0.0140961161393699	0.301165120133668
TGCT	HIST1H3	cg01043409	-0.117187885333126	156	-1.46435315388253	0.145135858797147	0.0137330004688498	0.308851902488312
TGCT	HIST1H3	cg08041469	-0.0149277265379602	156	-0.185268858142869	0.853261944383976	0.000222837019592123	0.921812856158839
TGCT	HIST1H3	cg08401836	0.0144051470541422	156	0.178781724069185	0.858344082358441	0.000207508261651462	0.924683003092162
TGCT	HIST1H3	cg10075390	-0.0487921077093046	156	-0.606216163406041	0.545263757389406	0.00238066977471638	0.719190564005349
TGCT	HIST1H3	cg15479139	-0.0536682953338095	156	-0.666967251068581	0.50579114293376	0.00288028592403699	0.688857075864652
TGCT	HIST1H3	cg15797414	-0.0339494863704509	156	-0.421545045931043	0.673944939135381	0.00115256762481743	0.811504521106039
TGCT	HIST1H3	cg21209604	-0.226725538906829	156	-2.88881856455009	0.00442462043203412	0.0514044699925922	0.0225061410938709
TGCT	HIST1H3	cg23099349	-0.126672749728727	156	-1.58473320372759	0.11507831886758	0.0160459855238367	0.262996555169933
TGCT	HIST1H3	cg25701114	-0.327873369710436	156	-4.3068785227375	2.93700911906644e-05	0.107500946565276	0.000334575614890401
TGCT	HLTF	cg00906762	-0.444390455901169	156	-6.15599034225511	6.19479091060212e-09	0.197482877296049	1.7626831166766e-07
TGCT	HLTF	cg02059813	-0.499787033559801	156	-7.16066036173367	3.08959705242293e-11	0.249787078914506	1.34199951477492e-09
TGCT	HLTF	cg02398045	-0.0349924978708264	156	-0.434511584385883	0.664525199245159	0.00122447490723979	0.805175399685767
TGCT	HLTF	cg02611507	-0.489396572594329	156	-6.96424828718944	8.98716841411446e-11	0.239509005267077	3.62440528567973e-09
TGCT	HLTF	cg02710346	-0.422199294856837	156	-5.77974397328999	4.02543295737265e-08	0.17825224457761	9.65037076997991e-07
TGCT	HLTF	cg03678609	-0.244178209972939	156	-3.12475712095332	0.00212705477799669	0.0596229982255885	0.0124809246793992

TGCT	HLTF	cg04120413	-0.454677108566924	156	-6.33509720778404	2.48333903507415e-09	0.206731273054778	7.63911258165268e-08
TGCT	HLTF	cg04731810	-0.497938738536223	156	-7.12542695801223	3.74571159742265e-11	0.247942987335045	1.6010653187357e-09
TGCT	HLTF	cg04836786	-0.0482338027084107	156	-0.599263249127178	0.549877932468661	0.00232649972371389	0.722723871617849
TGCT	HLTF	cg05555455	-0.20947912767087	156	-2.65855260107513	0.00867670260088369	0.0438815049297487	0.0382217102000649
TGCT	HLTF	cg07275648	-0.467951697636114	156	-6.57097740615869	7.29268916837229e-10	0.218978791320521	2.47417122182448e-08
TGCT	HLTF	cg09352720	-0.515426200187416	156	-7.46413509420531	5.7785198363001e-12	0.265664167839638	2.86692711827251e-10
TGCT	HLTF	cg09392355	-0.46538602114558	156	-6.52495494627938	9.27944879422641e-10	0.216584148677715	3.08894069104857e-08
TGCT	HLTF	cg15438497	-0.0482424078943695	156	-0.599370410491969	0.549806669627765	0.00232732991944672	0.722677368539703
TGCT	HLTF	cg16724124	-0.503626973215359	156	-7.23427812949943	2.06319954011393e-11	0.253640128150064	9.21380855474298e-10
TGCT	HLTF	cg20117402	-0.410341395083352	156	-5.58397215789774	1.03689171219495e-07	0.168380060518951	2.24565573102711e-06
TGCT	HLTF	cg21089667	-0.432783917054786	156	-5.95753848564052	1.67652131017262e-08	0.187301918861284	4.37662076522042e-07
TGCT	HLTF	cg21111416	-0.432376728871159	156	-5.95064370442208	1.73494457153334e-08	0.186949635669323	4.52003610173693e-07
TGCT	HLTF	cg21835021	-0.520814722507028	156	-7.57100835869041	3.17869017419983e-12	0.271247975180072	1.66073219215381e-10
TGCT	HLTF	cg21926402	-0.055319521261273	156	-0.687550048535874	0.492770373971508	0.00306024943257643	0.678188031362044
TGCT	HLTF	cg24041269	-0.0360900403042866	156	-0.448157577753107	0.654669337094726	0.00130249100916503	0.798578540336293
TGCT	HLTF	cg24710191	-0.462658442958308	156	-6.47625851684645	1.19623044292219e-09	0.214052834840606	3.9002326519987e-08
TGCT	HLTF	cg25951608	-0.539791730623959	156	-7.95753187539465	3.55453721246877e-13	0.291375112450009	2.14524179912176e-11
TGCT	HLTF	cg26151310	-0.161198300324957	156	-2.02692636646636	0.0443951461124867	0.0259848920276549	0.132250092505188
TGCT	HLTF	cg27554556	-0.320672352980614	156	-4.20130964281484	4.47851962793681e-05	0.102830757966123	0.000482551185506533
TGCT	IDH1	cg00707300	0.0274122284720931	156	0.340304690898914	0.73409083091706	0.000751430269806231	0.850072374223903
TGCT	IDH1	cg01046174	0.231450068372981	156	2.95238660394451	0.00364747542893101	0.0535691341498576	0.0192542881079363
TGCT	IDH1	cg02241586	0.516824016296405	156	7.49174142056004	4.9535943653786e-12	0.267107063820747	2.48779806365567e-10
TGCT	IDH1	cg03448938	-0.0544497209364372	156	-0.676707152808653	0.499606938864727	0.00296477211005589	0.683726311936716
TGCT	IDH1	cg05268564	0.0134950262360503	156	0.167484122874793	0.867208871514174	0.000182115733111685	0.929421999258692
TGCT	IDH1	cg07129696	0.0752434520096134	156	0.93640119973777	0.35053278599281	0.005661577070323	0.549563634694169
TGCT	IDH1	cg07915542	0.364828097788446	156	4.86254935822904	2.83436067771936e-06	0.133099540935936	4.29901061732307e-05
TGCT	IDH1	cg09406631	-0.0941667834504092	156	-1.1737948838174	0.242289296764962	0.00886738310539627	0.434673705987195
TGCT	IDH1	cg09615745	-0.0970801579250035	156	-1.21045056061791	0.227960585442905	0.00942455706274362	0.417771108481833
TGCT	IDH1	cg10356455	0.0114963817724276	156	0.142675774716951	0.886732750706715	0.000132166793857406	0.939854473608295
TGCT	IDH1	cg14772913	-0.0191871169375402	156	-0.238149700302717	0.81208156658962	0.000368145456374841	0.898733387781085
TGCT	IDH1	cg15399923	-0.136147121968916	156	-1.70542115926649	0.0901321058868874	0.0185360388204188	0.221016140121813
TGCT	IDH1	cg16085695	-0.0459276471605435	156	-0.570549173847553	0.569136822467214	0.00210934877370338	0.737426567386395
TGCT	IDH1	cg16863783	0.130288698343973	156	1.63074049659851	0.10498857936619	0.0169751449161668	0.24663871804715
TGCT	IDH1	cg24324379	0.0503148579682386	156	0.62518282011239	0.532776368438957	0.00253158493236402	0.709973017341126
TGCT	IDH1	cg24830471	0.216790830853919	156	2.75584269661622	0.00656092324661046	0.0469982643423326	0.0307668460286404
TGCT	IDH1	cg24987806	0.102329007072834	156	1.27657080143615	0.203675487002762	0.0104712256885122	0.387543862929996
TGCT	IDH1	cg25795625	0.101190128533152	156	1.26221528902859	0.208779497862955	0.0102394421125559	0.393988750648911
TGCT	IDH1	cg26105702	0.124904792182344	156	1.56226220168743	0.120278875665104	0.0156012071101144	0.271145928699502
TGCT	ING2	cg02075087	-0.0282128421025725	156	-0.350251584774672	0.72662848661298	0.000795964459504687	0.845192752613899
TGCT	ING2	cg02552216	-0.21264498726989	156	-2.70061934053404	0.00769594365053438	0.0452178906110119	0.0349026995221185
TGCT	ING2	cg10348863	-0.0337225878712275	156	-0.418724467147943	0.676000910217161	0.00113721293273266	0.812734751173521
TGCT	ING2	cg17985608	-0.074263178169247	156	-0.924133635779876	0.356862492347323	0.00551501963179732	0.555735376432141
TGCT	ING3	cg01382559	0.0350384047300878	156	0.43508232286389	0.664111790530582	0.00122768980602944	0.804904904505029
TGCT	ING3	cg01416111	-0.0911734864186768	156	-1.13616531268312	0.257652361750458	0.00831260462573664	0.452170362525156
TGCT	ING3	cg10268125	0.0743920254919035	156	0.925745931451813	0.356026468941656	0.00553417345678802	0.554799950419599
TGCT	ING3	cg14303833	0.00713894911515994	156	0.0885942863091721	0.929519455305169	5.0964594468843e-05	0.962671899544514
TGCT	ING3	cg16130600	0.111846819976607	156	1.3967464765853	0.164499447136936	0.0125097111388796	0.336114415146976
TGCT	ING3	cg18485114	0.108077392813303	156	1.34910759354067	0.179282672493628	0.0116807228373211	0.3560662809285
TGCT	ING3	cg19478983	0.147872001850566	156	1.85544106250829	0.0654447702201707	0.0218661289312937	0.175450081139567
TGCT	ING3	cg19960827	0.225574204500631	156	2.87336027933785	0.00463521915027251	0.0508837217360927	0.0233302431791084
TGCT	ING3	cg20553930	0.0129251366144021	156	0.160410126764466	0.872768233574825	0.000167059156500957	0.932587934216801
TGCT	ING3	cg24859794	-0.195805258354926	156	-2.47784346639561	0.0142975630711483	0.0383396991994394	0.0562659156999653
TGCT	ING4	cg00369908	0.0262142461087231	156	0.325422071160059	0.745303366703429	0.000687186699048706	0.856984304560225
TGCT	ING4	cg00443163	-0.222559416970799	156	-2.83294239742635	0.00522988465670607	0.0495326940823821	0.0257011412744413
TGCT	ING4	cg00591160	-0.310827857823992	156	-4.05829494897326	7.83818618839395e-05	0.0966139571994519	0.000781047593621006
TGCT	ING4	cg03930474	-0.0567403649635776	156	-0.705265617386037	0.481710324959537	0.00321946901619998	0.668859175395831
TGCT	ING4	cg04375284	-0.362568795567837	156	-4.82786263632123	3.29813262501521e-06	0.131456131519512	4.9197477850999e-05

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TGCT	ING4	cg12392916	-0.306741436544664	156	-3.99935867493858	9.83202113320009e-05	0.0940903088934844	0.000950387987122475
TGCT	ING4	cg18123790	0.0479508389307079	156	0.595739543210407	0.55222377132143	0.00229928295415869	0.724532340515395
TGCT	ING4	cg23354319	-0.355595204818006	156	-4.72141159909841	5.22725223996983e-06	0.12644794968956	7.39899673865016e-05
TGCT	ING4	cg27116036	-0.334417224828911	156	-4.40354199335745	1.98314161908843e-05	0.11183488026227	0.000237567784286057
TGCT	INO80	cg00734724	0.0852992793361069	156	1.06240829883024	0.289713545267231	0.0072759670552592	0.487191706632346
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TGCT	INO80	cg12580230	-0.112800756880473	156	-1.40881214409953	0.160906600363025	0.0127240107528076	0.330951221971848
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TGCT	INO80	cg21007089	0.049356272408021	156	0.613242630704328	0.540620567943135	0.00243604162601477	0.71584946008587
TGCT	INO80	cg21598047	-0.733775851954323	156	-13.4030481534946	1.21917666040434e-27	0.538427000911293	2.96389465998423e-25
TGCT	INO80	cg22835709	-0.196423691224487	156	-2.48598305618348	0.0139872629067045	0.0385822664742526	0.055316208152314
TGCT	INO80	cg26409855	0.0149230955103722	156	0.185211369392954	0.853306955438781	0.00022698779611691	0.921812856158839
TGCT	INO80	cg27441689	-0.1759573719455	156	-2.21818211098442	0.028005873675674	0.0309609967419669	0.0938159986532914
TGCT	INTS12	cg00093890	0.0649942763906677	156	0.808266728330272	0.42018386971397	0.00422425596354651	0.615438479478255
TGCT	INTS12	cg01852585	-0.142769376687756	156	-1.79005876447805	0.0754092626752434	0.0203830949198103	0.194663796806407
TGCT	INTS12	cg03607115	-0.125034311182067	156	-1.56390789135715	0.119891807112409	0.015633578972774	0.270567409018106
TGCT	INTS12	cg19703969	0.0965889605751726	156	1.20426820854284	0.230333559053016	0.00932942730499225	0.420554577721274
TGCT	INTS12	cg26533745	-0.163058119934726	156	-2.05094697379115	0.0419668673668902	0.0265879504766475	0.126797051419134
TGCT	IWS1	cg02372421	-0.203611260821067	156	-2.58081264070615	0.0107903747586109	0.0414575455331444	0.0452472193818118
TGCT	IWS1	cg02592214	-0.113110465594952	156	-1.41273027550317	0.159752849584998	0.0127939774271067	0.329457960357757
TGCT	IWS1	cg10180764	-0.214286800910345	156	-2.72247010869354	0.00722713318735989	0.0459188330443896	0.0332344741489316
TGCT	IWS1	cg10488833	-0.594692755763115	156	-9.17956951160047	2.71493921745709e-16	0.353659473757128	2.47313795647374e-14
TGCT	IWS1	cg15239145	-0.589170677374949	156	-9.048685549428	5.9457513770733e-16	0.347122087078456	5.17966161957492e-14
TGCT	IWS1	cg17144508	-0.10398518233654	156	-1.29745588435705	0.196414585246997	0.0108129181455635	0.378474812828829
TGCT	IWS1	cg18451256	0.0866538509622947	156	1.07940621810247	0.282094341604977	0.00750888988659557	0.479216648705454
TGCT	IWS1	cg18530950	-0.21172394802299	156	-2.68837180591326	0.00797059116167527	0.0448270301664419	0.0358308670421264
TGCT	IWS1	cg19311602	-0.0335644501146188	156	-0.416758692585602	0.677435244199901	0.00112657231149673	0.813586958821916
TGCT	IWS1	cg19409088	-0.137454938639141	156	-1.72211722996878	0.0870560129529078	0.01889386015629	0.215673040109132
TGCT	IWS1	cg21581038	-0.206325105675116	156	-2.61673011189506	0.00976220430914788	0.0425700492318479	0.041796418383371
TGCT	IWS1	cg21679674	-0.104745841881316	156	-1.30705177404584	0.193143410615075	0.0109716913914257	0.374073869789742
TGCT	IWS1	cg22409775	-0.102730033069949	156	-1.28162692057343	0.201899832310692	0.0105534596945528	0.385305552810765
TGCT	IWS1	cg23570261	0.0650392868672871	156	0.808828854198947	0.419861399720949	0.00423010883620527	0.615197817601031
TGCT	IWS1	cg23623107	0.00182373658061077	156	0.0226320134188756	0.981973105354333	3.32601511545786e-06	0.990643844758107
TGCT	JADE1	cg09863040	-0.136258642428164	156	-1.70684451499811	0.0898664677372635	0.0185664176363663	0.220595648482532
TGCT	JADE1	cg12832492	0.088131714756537	156	1.09795816003661	0.273936467820969	0.0077671991459276	0.470369285004026
TGCT	JADE1	cg14617908	0.0807466567054061	156	1.00532237962685	0.316318644998875	0.0065200225691007	0.515592697404876
TGCT	JADE1	cg15389440	0.312317753217836	156	4.07984462332404	7.21058254289696e-05	0.0975423789750374	0.000727077198110338
TGCT	JADE1	cg15836763	0.552202744557185	156	8.21947320503041	7.86220358136521e-14	0.304927871096487	5.26815043418368e-12
TGCT	JADE1	cg20039387	0.05425175935925	156	0.674239588519353	0.501169838210433	0.00294325339357396	0.684961461590697
TGCT	JADE1	cg22922695	0.00402828976641344	156	0.049990166952501	0.960195002400125	1.62271184421913e-05	0.979137359471423
TGCT	JADE1	cg26766900	-0.116219719090669	156	-1.45208882416724	0.148511211672027	0.013507023105514	0.313581445615549
TGCT	JADE2	cg04590931	-0.181646815631459	156	-2.2923129952608	0.0232418673867245	0.0329955656290493	0.0815845966737137
TGCT	JADE2	cg04842522	0.0609308922287211	156	0.757540006637142	0.449883982659764	0.00371257362778803	0.640947083492668
TGCT	JADE2	cg17378563	-0.261409695711828	156	-3.36087351623939	0.000979826819315955	0.0683350290121507	0.00660411086309699
TGCT	JADE2	cg18145011	-0.279389208773367	156	-3.61092331823577	0.000412258875415861	0.0780583299790079	0.00318483286535268
TGCT	JADE2	cg21194015	-0.0350905269194685	156	-0.435730336972926	0.663642533076229	0.00123134507948594	0.804528637829116
TGCT	JADE2	cg25669900	-0.176228727327612	156	-2.2217124712801	0.027761055738877	0.03105656433551	0.0931795180953123
TGCT	JADE2	cg26133206	-0.0947855707958926	156	-1.18157780291246	0.23919467273311	0.00898430443110316	0.431055661802899
TGCT	JADE3	cg10860619	0.0535007184328063	156	0.664878687532495	0.507122522829555	0.00286232687282642	0.689969735580161
TGCT	JADE3	cg17843048	0.0628802635075781	156	0.781870810121411	0.435490954939627	0.00395392753878245	0.628708446508803
TGCT	JADE3	cg19194595	0.043140475910259	156	0.535858102135611	0.5928297130097	0.00186110066176363	0.755071349057292
TGCT	JARID2	cg01769037	-0.193721282862507	156	-2.45043750117666	0.0153879042364799	0.0375279354338955	0.0595654387307916
TGCT	JARID2	cg03223185	0.213936514836873	156	2.71780615718189	0.00732496962340531	0.0457688323805476	0.0335574281186734
TGCT	JARID2	cg05197191	-0.234274079098311	156	-2.99048839322541	0.00324390257004888	0.0548843441373618	0.017540852903011
TGCT	JARID2	cg06047828	0.158645062299645	156	1.99398592532113	0.0479190364708424	0.0251682557920584	0.139880432390721
TGCT	JARID2	cg14862454	0.273517728433639	156	3.52883078533753	0.000550534045152932	0.0748119477674977	0.00406841887609264

TGCT	JARID2	cg15109221	0.381791614022701	156	5.12622923491309	8.75159274530107e-07	0.145764836538059	1.52104871766745e-05
TGCT	JARID2	cg21397480	0.00810643465585442	156	0.100601514044183	0.919997647119849	6.57142828296376e-05	0.957923507776876
TGCT	JARID2	cg21901688	-0.284887066815752	156	-3.68819011111372	0.000312621388042517	0.0811606408388827	0.00252938827471447
TGCT	JARID2	cg25338254	-0.153212601572373	156	-1.92403498463071	0.0561944941119558	0.0234741012805747	0.156986191508798
TGCT	JMJD6	cg02318866	-0.0221166377153468	156	-0.274527406351833	0.78404727042562	0.0004891456638319	0.880858606601159
TGCT	JMJD6	cg04510639	0.00905627859036811	156	0.112390070750391	0.910660492858319	8.20161819063598e-05	0.952664224374967
TGCT	JMJD6	cg07312083	-0.0881622596676545	156	-1.09834167350846	0.273769559968481	0.00777258402970694	0.470156717547584
TGCT	JMJD6	cg08857478	0.0328742222838211	156	0.408178992007213	0.683709226955156	0.00108071449076608	0.817780990186799
TGCT	JMJD6	cg10712116	0.0369932862362874	156	0.459389054603477	0.646602617224481	0.00136850322655989	0.792791123648305
TGCT	JMJD6	cg12504415	-0.154641329867349	156	-1.94241436515734	0.0539114746980671	0.0239139409031421	0.152428897745685
TGCT	JMJD6	cg15457598	0.0281819673836943	156	0.349867982180416	0.726915792689507	0.000794223285615609	0.845413173516034
TGCT	JMJD6	cg21102709	-0.0033102412119156	156	-0.0410792381969185	0.967285935950616	1.09576968810644e-05	0.982803987407168
TGCT	JMJD6	cg21807925	-0.0504464002385796	156	-0.626821451581789	0.531704411962076	0.00254483929703096	0.709328449221669
TGCT	JMJD6	cg23630158	-0.245351447971923	156	-3.14073033504312	0.00202105641253162	0.0601973330219193	0.0119974103438752
TGCT	JMJD6	cg25004679	-0.0718447168405827	156	-0.893879426147122	0.372781229009776	0.0051616633379035	0.57140635544518
TGCT	JMJD6	cg25908504	-0.0725938063855393	156	-0.90324858694431	0.367804665939381	0.00526986072554117	0.566706202853797
TGCT	JMJD6	cg26612088	0.00431431351002199	156	0.0535397209436532	0.957371273768205	1.86133010627582e-05	0.977579872661817
TGCT	JMJD8	cg00873473	0.00480256369899812	156	0.0595989354859551	0.952552336075374	2.30646180829345e-05	0.974978817805479
TGCT	JMJD8	cg02851105	-0.0583782670410084	156	-0.725692886060166	0.469128447024725	0.00340802206271129	0.658036789957655
TGCT	JMJD8	cg03899598	-0.0890030337639375	156	-1.10889943078542	0.269202294027848	0.0079215400191846	0.465167883023532
TGCT	JMJD8	cg05787952	0.381755626041004	156	5.12566359348925	8.7740610166762e-07	0.145737358013959	1.52359219359667e-05
TGCT	JMJD8	cg06191810	-0.0603810363384157	156	-0.750678643135322	0.453991549894392	0.00364586954930107	0.644285871763947
TGCT	JMJD8	cg06646636	0.245056737749853	156	3.13671658380393	0.0020472212816834	0.0600528047166002	0.0121185156283121
TGCT	JMJD8	cg08398290	0.00309516741624473	156	0.0384102015017857	0.969410374715467	9.5800613345831e-06	0.983930155397738
TGCT	JMJD8	cg26750188	0.500310666781401	156	7.17066584672289	2.92494092274389e-11	0.25031076329525	1.27332319050889e-09
TGCT	JMJD8	cg27579097	0.380255526416623	156	5.10210998381785	9.76110729580284e-07	0.144594265370383	1.67665175749544e-05
TGCT	KAT2B	cg00770008	-0.0317209580695545	156	-0.393844934414939	0.694240310839241	0.00100621918085044	0.824734377970954
TGCT	KAT2B	cg04371528	0.032725930369176	156	0.406335763995737	0.685060004897329	0.00107098651852816	0.818794465624246
TGCT	KAT2B	cg05072819	-0.162330561518924	156	-2.04154749256394	0.0429032133437007	0.0263512112030492	0.128865350535129
TGCT	KAT2B	cg12062464	0.0762605762729953	156	0.949132812237958	0.344040154296615	0.00581567549348934	0.543326426377403
TGCT	KAT2B	cg14937543	-0.118575969398257	156	-1.48194422402142	0.140398471050416	0.0140602605187365	0.301933948606625
TGCT	KAT2B	cg18053505	-0.208704688108006	156	-2.6482755164417	0.00893284318256747	0.0435576468382601	0.0391218601894192
TGCT	KAT5	cg00582417	-0.168806574851672	156	-2.12533476290028	0.0351541285133567	0.0284956597131532	0.111210616630803
TGCT	KAT5	cg02561205	-0.187734618874708	156	-2.37189820406877	0.0189327372796196	0.0352442871240319	0.0697704104183195
TGCT	KAT5	cg05785768	-0.194710307131481	156	-2.46343964702751	0.0148617238741308	0.0379121037032355	0.0579496239318395
TGCT	KAT5	cg07564927	-0.20884610450511	156	-2.65015177219719	0.00888557754269958	0.0436166953669595	0.0389565272405755
TGCT	KAT5	cg14726348	-0.237656198988747	156	-3.03622575564031	0.00281385171748362	0.0564804689177791	0.0156447688453864
TGCT	KAT5	cg18896539	-0.128848963979917	156	-1.61241430790186	0.108919271471488	0.0166020555186979	0.253114643471531
TGCT	KAT5	cg20108992	-0.0904043385668381	156	-1.12650119814322	0.261705756740543	0.00817294443170749	0.457068911973765
TGCT	KAT5	cg20423942	-0.16325466774427	156	-2.05348680554777	0.0417168745897224	0.026652086540292	0.126237804623821
TGCT	KAT5	cg22048492	-0.110608765461507	156	-1.38109303352413	0.169251152520826	0.0122342989969186	0.342686280593702
TGCT	KAT6A	cg10163397	0.0383615155027245	156	0.476404556885142	0.634461419844573	0.00147160587166577	0.784719009082621
TGCT	KAT6A	cg12468056	-0.105941599260936	156	-1.32214121565367	0.18808152916746	0.0112236224539648	0.367563857614324
TGCT	KAT6A	cg15251374	-0.320979787115554	156	-4.20579991323416	4.39952877756045e-05	0.103028023736747	0.000475026983652377
TGCT	KAT6A	cg20966972	0.166154471975649	156	2.09098805580639	0.0381712970444646	0.0276073085575068	0.118279221102591
TGCT	KAT6B	cg04396765	0.195152631873655	156	2.46925716632258	0.014631524597246	0.0380845497272142	0.057264402604674
TGCT	KAT6B	cg06972998	-0.0946571503162907	156	-1.17996245583278	0.239834636627257	0.00895997610600085	0.431751185305244
TGCT	KAT6B	cg09631472	-0.0450774953957842	156	-0.559966216184559	0.576316095393941	0.00203198059115695	0.743009468273251
TGCT	KAT6B	cg10359932	0.000610282577056917	156	0.00757340902344924	0.99396715347363	3.72444823859232e-07	0.996872564214446
TGCT	KAT6B	cg10739686	-0.242230282042334	156	-3.09826896189087	0.00231423968555767	0.0586755095383088	0.0133794561606921
TGCT	KAT6B	cg11128436	-0.104822355549767	156	-1.30801713911831	0.192816574657696	0.0109877262230018	0.373654160246134
TGCT	KAT6B	cg11348552	0.0467702882465404	156	0.581039862070622	0.562062982215278	0.00218745986266447	0.732365127193758
TGCT	KAT6B	cg15874302	-0.515153882733425	156	-7.45876639235181	5.95406616205587e-12	0.265383522895323	2.95025874529283e-10
TGCT	KAT6B	cg15912797	-0.0862782907585062	156	-1.07469287929541	0.284193183086348	0.00744394345620934	0.48147838505639
TGCT	KAT6B	cg17147776	0.0954800420135064	156	1.19031429707468	0.235754548026284	0.00911643842290095	0.427029163736704
TGCT	KAT6B	cg18462764	-0.315311648934236	156	-4.12324910497694	6.08909947863494e-05	0.0994214359536271	0.000630752869295508
TGCT	KAT6B	cg18491775	0.142520014612991	156	1.78686735378074	0.0759260379773363	0.0203119545652871	0.195627801093263

TGCT	KAT6B	cg24671245	-0.0438166042155198	156	-0.544272482560326	0.587041162142538	0.00191989480497951	0.750974810361714
TGCT	KAT6B	cg26605858	-0.18558613680857	156	-2.34377952967131	0.0203671080612044	0.0344422141755291	0.0738356309480095
TGCT	KDM1A	cg00062312	0.132630658019478	156	1.66057346737442	0.0988338488444006	0.0175908914466797	0.236218637654038
TGCT	KDM1A	cg00541565	0.115044207340503	156	1.43720356375302	0.152688835254576	0.0132351696426047	0.319652836813437
TGCT	KDM1A	cg04886391	-0.29245357684376	156	-3.79517976210664	0.000211643158601612	0.0855290946087091	0.00182029495635753
TGCT	KDM1A	cg06958034	0.168157472850389	156	2.116924049806	0.0358732990886763	0.0282769356754293	0.112930051363891
TGCT	KDM1A	cg07118078	0.307391536840404	156	4.00871826643184	9.48594057921762e-05	0.0944895569211055	0.000921745267823702
TGCT	KDM1A	cg07785945	0.174562430931143	156	2.20004200639431	0.0292936788970675	0.03047204229259	0.0969819815797656
TGCT	KDM1A	cg10499166	0.0884284727481169	156	1.10168430378123	0.272317794598295	0.00781959479256445	0.468687843207517
TGCT	KDM1A	cg12578844	-0.127131608657923	156	-1.59056786805515	0.11375760483142	0.0161624459199513	0.26095951610803
TGCT	KDM1A	cg22683154	-0.0751045605189262	156	-0.934662887351965	0.351425307352883	0.00564069501074105	0.550372409016205
TGCT	KDM1A	cg26662347	0.351857344774576	156	4.66472716093854	6.66114120214305e-06	0.123803591071815	9.14572570913372e-05
TGCT	KDM1B	cg11007366	-0.0535455553129539	156	-0.665437498120999	0.506766120242332	0.0028671264937726	0.689653690401861
TGCT	KDM1B	cg15124342	-0.136664155348374	156	-1.71202070725977	0.0889058054189019	0.0186770913570845	0.218968474221429
TGCT	KDM1B	cg20677365	-0.0480981426592281	156	-0.597573876680032	0.551001980490812	0.00231343132726745	0.723478397081796
TGCT	KDM1B	cg22406543	0.0421971501878642	156	0.524119694153318	0.600948818830891	0.00178059948397717	0.760837737607328
TGCT	KDM1B	cg23073439	-0.111757807438904	156	-1.39562082049066	0.164837725829169	0.0124898075235511	0.33662482393958
TGCT	KDM1B	cg23860886	0.0371551202531291	156	0.461401509686692	0.645161607881566	0.00138050296102448	0.791972955730966
TGCT	KDM1B	cg24342628	-0.177489788694672	156	-2.23812587855101	0.0266471599464073	0.0315026250908793	0.0903602873122948
TGCT	KDM2A	cg05038268	-0.491274936150743	156	-6.99946008769983	7.42920010262382e-11	0.241351062889916	3.03703201672894e-09
TGCT	KDM2A	cg05295919	-0.0693341363905947	156	-0.862489592264866	0.389759273886012	0.00480722246902959	0.587361726017842
TGCT	KDM2A	cg06320126	-0.293875535517579	156	-3.81537222736968	0.000196443193942709	0.0863628303757436	0.00171017254135845
TGCT	KDM2A	cg07283932	-0.092621599624279	156	-1.15436600403306	0.250138352407648	0.00857876071696025	0.443799187793933
TGCT	KDM2A	cg08836144	-0.140992019050081	156	-1.7673191669288	0.0791554310175296	0.0198787494358183	0.201446271034852
TGCT	KDM2A	cg09993857	-0.423112881309254	156	-5.79497426952001	3.73672633268624e-08	0.179024510329819	9.01938840598801e-07
TGCT	KDM2A	cg11637544	-0.171852710566732	156	-2.164843171522	0.0319398510647599	0.029533354129133	0.103418329049027
TGCT	KDM2A	cg16004548	-0.0963127602253549	156	-1.20079226138942	0.231675495246494	0.0092761477822267	0.422192215259335
TGCT	KDM2A	cg18132081	-0.124265079597598	156	-1.55413509682996	0.122204887448939	0.0154418100073973	0.274096262162531
TGCT	KDM2A	cg21293464	-0.493192198316493	156	-7.03553384329392	6.10983919959287e-11	0.243238544480255	2.52019528469315e-09
TGCT	KDM2A	cg21711868	-0.0957052041670488	156	-1.19314722786036	0.234646665521125	0.00915948610465649	0.425679594173253
TGCT	KDM2A	cg25597833	-0.262906414863995	156	-3.38154088695879	0.000913748239572046	0.0691197829766391	0.00622452982042625
TGCT	KDM2B	cg03486832	-0.333636529558559	156	-4.39197261440739	2.07924264807324e-05	0.111313333855879	0.000247858722899494
TGCT	KDM2B	cg05067991	-0.145318054274563	156	-1.82269757712927	0.0702887953642046	0.0211173368981448	0.18493748255024
TGCT	KDM2B	cg07020001	-0.306676679791743	156	-3.99842670096733	9.86713326138036e-05	0.0940505859280872	0.000953022786823093
TGCT	KDM2B	cg07529210	-0.279660358244552	156	-3.61472492774816	0.00040672593977686	0.0782099159734711	0.00314677650512193
TGCT	KDM2B	cg07793808	-0.341029078832864	156	-4.50193841252027	1.32147079256494e-05	0.116300832609592	0.000166805936778836
TGCT	KDM2B	cg09151742	-0.258226543604685	156	-3.31700538782831	0.00113516068940333	0.066680947822022	0.00745913427413151
TGCT	KDM2B	cg12251659	-0.0365046292849838	156	-0.453312676192214	0.650961690633673	0.0013325879592341	0.795927917660604
TGCT	KDM2B	cg12888660	-0.108110623545116	156	-1.34952731070874	0.179148208005814	0.0116879069233138	0.355897829414984
TGCT	KDM2B	cg15234492	-0.377762188769448	156	-5.06306515819288	1.1639757246446e-06	0.142704271263884	1.95784491941627e-05
TGCT	KDM2B	cg15316703	-0.22086810633575	156	-2.81030530104846	0.00559258234080251	0.0487827203963403	0.0271324821091606
TGCT	KDM2B	cg16837338	-0.260573519445522	156	-3.34933856128965	0.00101862334754186	0.0678985590362256	0.00681599730764423
TGCT	KDM2B	cg17452615	-0.289449663472347	156	-3.7526130806686	0.000247416151591171	0.083781107684255	0.00207356190106885
TGCT	KDM2B	cg20055546	-0.0321709606796612	156	-0.399437879676422	0.690123998795178	0.00103497071105231	0.821953034619962
TGCT	KDM2B	cg21249371	-0.326942197854907	156	-4.29318055968729	3.10355797406774e-05	0.106891200738197	0.000351029643842143
TGCT	KDM2B	cg21781916	-0.0670746154216526	156	-0.834252856325498	0.405430718376999	0.0044990040339626	0.601795025861864
TGCT	KDM2B	cg26218726	-0.325880490619862	156	-4.27757944035693	3.3042851472753e-05	0.106198094166642	0.000370661223860324
TGCT	KDM2B	cg26509318	-0.231130133172577	156	-2.94807500754367	0.00369593696130646	0.0534211384603731	0.0194600148878426
TGCT	KDM3A	cg01744130	0.0485385377906547	156	0.603058231628991	0.54735705437387	0.00235598965085482	0.720724000744078
TGCT	KDM3A	cg02152982	-0.0129167681799633	156	-0.160306251212045	0.872849916016735	0.000166842900214913	0.932649594354942
TGCT	KDM3A	cg02972551	-0.0885560246581874	156	-1.10328595802027	0.271624055611607	0.00784216950326149	0.467918283891347
TGCT	KDM3A	cg03037033	0.0229199363346205	156	0.284503667944914	0.776406627822766	0.000525323481583056	0.876248037209404
TGCT	KDM3A	cg04793821	0.0269876651469026	156	0.335030146098842	0.738058258931203	0.000728334070081339	0.852503824009016
TGCT	KDM3A	cg07052513	-0.0317296388267024	156	-0.39395282262049	0.694160820282689	0.00100676998007298	0.824679199388957
TGCT	KDM3A	cg07211384	0.0908074547112668	156	1.13156597829153	0.259575932188656	0.00824599383113877	0.454469652480911
TGCT	KDM3A	cg12888358	0.0648690618773478	156	0.806702978070211	0.421081705597259	0.00420799518884718	0.61619351064927
TGCT	KDM3A	cg18611949	0.0808757826041758	156	1.00694061570787	0.315542835223291	0.0065408922118379	0.514748769572235

TGCT	KDM3A	cg19139691	0.135810396219267	156	1.70112386839727	0.0909379744195368	0.0184444637212344	0.222459318323117
TGCT	KDM3A	cg20191795	0.139241908091074	156	1.74494520225642	0.0829892019609974	0.019388308968843	0.208320592935642
TGCT	KDM3A	cg20918903	-0.127433233412966	156	-1.59440377144151	0.112895909755504	0.0162392289780834	0.259817897923843
TGCT	KDM3A	cg22404242	0.224816052509388	156	2.86318795319285	0.0047787619013207	0.0505422574659041	0.0239150211226338
TGCT	KDM3A	cg24749656	-0.118604546815597	156	-1.4823064753769	0.140302191692117	0.0140670385253332	0.301810327964179
TGCT	KDM3B	cg00435490	-0.736954174155436	156	-13.5297868859456	5.54427992432029e-28	0.543101454805121	1.36924353153198e-25
TGCT	KDM3B	cg03315484	0.133708707158478	156	1.67431564092448	0.0960982873245471	0.0178780183699917	0.23145825456286
TGCT	KDM3B	cg05191700	0.189528359226377	156	2.39540113816394	0.0178030311676147	0.0359209989510425	0.0665914514209741
TGCT	KDM3B	cg05708550	-0.362672654785231	156	-4.82945501375894	3.27531955606211e-06	0.131531454528967	4.89133579639249e-05
TGCT	KDM3B	cg05722427	-0.621041199044126	156	-9.83303866643804	5.19699619002778e-18	0.385692170910166	5.73468257598612e-16
TGCT	KDM3B	cg15001364	0.287366120318382	156	3.72315960948427	0.000275443630958622	0.0825792871068386	0.0022739957366863
TGCT	KDM3B	cg18682923	-0.72873897586313	156	-13.2060807352779	4.15406183243567e-27	0.531060494942044	9.73376765640062e-25
TGCT	KDM3B	cg19076659	-0.595301982171728	156	-9.19413122484648	2.48771405016511e-16	0.354384449977588	2.28218427852057e-14
TGCT	KDM3B	cg24137987	0.11141571170882	156	1.39129498061698	0.166142636554484	0.0124134608155829	0.338463358423534
TGCT	KDM4A	cg00154982	-0.22195534904772	156	-2.82485426391184	0.00535693603985506	0.0492641769708954	0.0262082562281922
TGCT	KDM4A	cg00979347	0.149781930521915	156	1.87995251335614	0.0620032888022613	0.0224346267108718	0.168653281436473
TGCT	KDM4A	cg03587511	0.207699833956845	156	2.63494850994059	0.00927514702099045	0.0431392210257009	0.040231301360688
TGCT	KDM4A	cg08552254	-0.293075200987395	156	-3.80400371166927	0.000204868545247567	0.0858930734338019	0.00177128074047801
TGCT	KDM4A	cg10958452	-0.160972471056232	156	-2.02401117077361	0.0446978387748727	0.0259121364379495	0.132921394099864
TGCT	KDM4A	cg10968649	0.109633445930673	156	1.36876608910349	0.173065680239332	0.0120194924666338	0.347961560706275
TGCT	KDM4A	cg12293275	0.22253723348759	156	2.83264531227762	0.00523450232229085	0.0495228202883102	0.0257160008626646
TGCT	KDM4A	cg17737314	-0.207116602311605	156	-2.62721732743695	0.00947909655926408	0.0428972869531035	0.0408495921632722
TGCT	KDM4A	cg19743044	-0.0327292715205932	156	-0.406377293299354	0.68502955964228	0.00107120521426871	0.818781144375311
TGCT	KDM4A	cg20873046	-0.00051702796792407	156	-0.0064161492053635	0.994888992731374	2.673179196157e-07	0.997348081450852
TGCT	KDM4A	cg21451504	-0.231942792771299	156	-2.95902876872631	0.00357395951980295	0.0537974591185499	0.0189595581976019
TGCT	KDM4A	cg22094309	-0.119052725150618	156	-1.48798813625312	0.138798817814393	0.0141735513657886	0.299420864983996
TGCT	KDM4A	cg24324755	0.269087327116591	156	3.4671697553627	0.000681930495499769	0.0724079896147511	0.00487548028369718
TGCT	KDM4A	cg24505556	-0.0981739021187552	156	-1.22421995638727	0.222738802117174	0.00963811505722293	0.411399662192916
TGCT	KDM4A	cg25841161	0.221261122687188	156	2.81556318349436	0.00550635300349577	0.0489564844127949	0.0267864851610584
TGCT	KDM4B	cg01098771	-0.100755976711289	156	-1.2567441481095	0.210749159485875	0.0101517668430459	0.396513014246012
TGCT	KDM4B	cg12072803	0.0694129644149331	156	0.863474926921231	0.389219212530803	0.00481815962886877	0.586817635008447
TGCT	KDM4B	cg18115693	0.205351787581256	156	2.60384114092892	0.0101205584269282	0.0421693566628173	0.0430322869624207
TGCT	KDM4C	cg00121158	0.248937106777974	156	3.18963920473104	0.00172616871343014	0.0619696831309883	0.010545434968791
TGCT	KDM4C	cg00667760	0.302748841552316	156	3.94201144059886	0.00012229987460621	0.0916568610612694	0.00114504711097792
TGCT	KDM4C	cg05545111	0.28468885497681	156	3.68539762808413	0.000315786312219031	0.081047744148007	0.00255154553103108
TGCT	KDM4C	cg14196303	0.130676323349266	156	1.63567631190174	0.103949586052296	0.017076301484082	0.244901698890136
TGCT	KDM4C	cg14473811	0.174862659573496	156	2.2039450842406	0.0290123274885081	0.0305769497131164	0.0963411877167797
TGCT	KDM4C	cg14497348	0.177908606875938	156	2.24357954105734	0.0262857750903714	0.031651472400537	0.0894523589694625
TGCT	KDM4E	cg15555590	0.0878403046822816	156	1.09429945237489	0.275532294290826	0.00771591912667607	0.471931408374265
TGCT	KDM4E	cg19409026	0.045824196241956	156	0.569261318215835	0.570008169784658	0.00209985696122129	0.73810635618003
TGCT	KDM5B	cg00528052	-0.103961162575895	156	-1.29715290730413	0.196518531433563	0.0108079233241316	0.378628174784731
TGCT	KDM5B	cg00571448	0.00107258376510472	156	0.0133104221393338	0.989397361229706	1.15043593316621e-06	0.994343900674406
TGCT	KDM5B	cg02624558	-0.0179066251334276	156	-0.222251008948212	0.824412962112073	0.0003206472236691	0.905622609711466
TGCT	KDM5B	cg04504182	-0.0252705477024558	156	-0.313699430158484	0.754173840066743	0.000638600581182093	0.862622369215596
TGCT	KDM5B	cg08915090	0.148333647673363	156	1.86136372982215	0.0645989638166746	0.0220028710320855	0.173745394522002
TGCT	KDM5B	cg09889216	-0.0907994469858548	156	-1.13146536320381	0.259618124177723	0.00824453957293705	0.454513980133549
TGCT	KDM5B	cg11171004	0.0702265275270394	156	0.873645257229937	0.383671763647793	0.00493176516850602	0.581887963138308
TGCT	KDM5B	cg11221497	-0.0747247732860318	156	-0.929909895678754	0.353873103802854	0.00558379174264886	0.552895186624877
TGCT	KDM5B	cg13134514	-0.015494572968394	156	-0.192305679753526	0.847756123273445	0.000240081791472887	0.918781032859891
TGCT	KDM5B	cg13253785	0.0358954126992664	156	0.445737611690865	0.656412801364193	0.00128848065285065	0.799752196039624
TGCT	KDM5B	cg13993945	-0.159260906338335	156	-2.00192741521805	0.0470484493292612	0.025364036287708	0.138001925462655
TGCT	KDM5B	cg14560895	-0.242768758100481	156	-3.10558722581536	0.00226105535627547	0.0589366699096497	0.0131256279670244
TGCT	KDM5B	cg21105875	-0.403014073323375	156	-5.4469434588515	2.00282061200712e-07	0.162420343296698	4.06277514186394e-06
TGCT	KDM5B	cg24354901	0.088020321563367	156	1.09655956429452	0.274545741732904	0.00774757700811853	0.470996311849236
TGCT	KDM5B	cg27531483	-0.185417563779581	156	-2.34157477665489	0.0204835210794484	0.034379672957955	0.0741776156706889
TGCT	KDM5C	cg01859586	-0.141582072172436	156	-1.77486638920788	0.0778954932158183	0.0200454831606409	0.199106357786475
TGCT	KDM5C	cg04927657	-0.0965376482485581	156	-1.20362242806081	0.23058244832889	0.00931951752936233	0.42089047104103

TGCT	KDM5C	cg04927982	-0.190332377689987	156	-2.40594405003222	0.0173159444188849	0.036226413997124	0.0651723603175863
TGCT	KDM5C	cg09554224	-0.101025832896588	156	-1.26014476517151	0.209523315603388	0.0102062189124492	0.395001312064139
TGCT	KDM5C	cg12234996	-0.20994442173205	156	-2.6647297312863	0.00852595498709356	0.0440766602164049	0.0377264172837698
TGCT	KDM5C	cg16417926	-0.126451780982829	156	-1.58192382371748	0.115718569352091	0.0159900529137295	0.263994439418668
TGCT	KDM5C	cg16824069	-0.152982993950926	156	-1.92108243262441	0.0565687226134481	0.0234037964381892	0.157732704481517
TGCT	KDM5C	cg19903753	-0.163379198683211	156	-2.05509615026973	0.041559128344437	0.026692762562368	0.125848611538619
TGCT	KDM5C	cg24985300	-0.177966709444327	156	-2.24433622601572	0.0262359730265978	0.0316721496704416	0.0893490909964167
TGCT	KDM5C	cg27526317	-0.130886168797569	156	-1.63834869298551	0.103390499277314	0.0171311891825057	0.243874326582999
TGCT	KDM6A	cg00751785	-0.0951901165932268	156	-1.1866680346236	0.237186480586671	0.0090611582970321	0.428590659452743
TGCT	KDM6A	cg03267667	-0.114516756594179	156	-1.43052655751593	0.15459185690662	0.0131140875408503	0.322171045070675
TGCT	KDM6A	cg03478540	-0.12950455202402	156	-1.62075790833054	0.107115357226321	0.0167714289949421	0.250188782549556
TGCT	KDM6A	cg06877198	-0.0923042608200771	156	-1.15037688566806	0.251771859252208	0.0085200765654083	0.44556940758602
TGCT	KDM6A	cg07167981	-0.0783459799879592	156	-0.975245724490632	0.330967816851993	0.00613809258027371	0.530652284552734
TGCT	KDM6A	cg11895950	-0.0682143743878065	156	-0.848494533709223	0.397479551857655	0.00465320087311984	0.594073472761084
TGCT	KDM6A	cg14384228	-0.0900805991943867	156	-1.12243411777226	0.2634248378001	0.00811451435121973	0.458823030445572
TGCT	KDM6A	cg15923127	-0.072007544609926	156	-0.895915847915756	0.371695987288381	0.00518508648075048	0.570295991067832
TGCT	KDM6A	cg17824914	-0.106725495351226	156	-1.33203646150817	0.184816162659537	0.0113903313579645	0.36334502803578
TGCT	KDM6A	cg20211377	-0.103131432806932	156	-1.28668838429327	0.200133740688426	0.0106360924328107	0.383072219647058
TGCT	KDM6A	cg22133177	-0.0994648613843278	156	-1.24047790566436	0.216685255911236	0.00989325865020354	0.403992819589031
TGCT	KDM6A	cg27306636	-0.0819918576109905	156	-1.02092966548348	0.308888892008787	0.00672266471450093	0.507512512987488
TGCT	KDM6B	cg01046511	-0.110376240436943	156	-1.37815381282869	0.170154851422804	0.0121829144529939	0.343884940721401
TGCT	KDM6B	cg02308232	0.0580410491578194	156	0.721486762421955	0.471704046354189	0.00336876338734041	0.659817397861688
TGCT	KDM6B	cg24893073	-0.516901682578856	156	-7.49327769129243	4.91127861768945e-12	0.267187349452853	2.47133252771367e-10
TGCT	KDM8	cg00636124	0.0763374372598226	156	0.95009502207314	0.343552634825518	0.00582740432739734	0.542953308825295
TGCT	KDM8	cg01755539	0.00372515580353436	156	0.0462282885534711	0.963188188311043	1.38767857606057e-05	0.98063634741523
TGCT	KDM8	cg06329197	0.146771408131168	156	1.84132603143304	0.0674977378909655	0.0215418462448059	0.179549291211823
TGCT	KDM8	cg08572679	-0.141448869556258	156	-1.7731624593863	0.0781784975939645	0.0200077826987433	0.199587097723316
TGCT	KDM8	cg09140090	-0.0451365315818183	156	-0.560701077616306	0.575816188545024	0.00203730648323648	0.742537688013101
TGCT	KDM8	cg10214171	0.0693447446318381	156	0.862622192228857	0.389686569137576	0.00480869360805485	0.58732325169499
TGCT	KDM8	cg10221365	-0.275040978770665	156	-3.5500867415627	0.000511048556960395	0.0756475400031251	0.00381796902335321
TGCT	KDM8	cg16752029	-0.109166631559778	156	-1.36286749764574	0.174913776595781	0.0119173534461083	0.350386052182109
TGCT	KDM8	cg24206694	-0.00082257098358009	156	-0.0102078409103213	0.991868674531697	6.76623023027924e-07	0.995721312460724
TGCT	KDM8	cg24705286	0.0403633269668396	156	0.501304243362578	0.616872857043846	0.001629198163832	0.772409133268988
TGCT	KIAA202	cg03495688	0.0384779297933589	156	0.477852424801488	0.633432821593138	0.00148055108118266	0.784090402684223
TGCT	KIAA202	cg25608569	-0.272779963910601	156	-3.5185460960619	0.000570653011144736	0.0744089087110686	0.00419280131743423
TGCT	KMT2B	cg09284703	-0.145554253805332	156	-1.82572425562608	0.0698289144982982	0.0211860408008269	0.184044944249919
TGCT	KMT2B	cg13830730	-0.0828710742126468	156	-1.03195261715279	0.303712236041113	0.00686761494115802	0.502210383254312
TGCT	KMT2B	cg15496871	-0.0853760713142787	156	-1.06337176775465	0.289277971063779	0.0072890735530608	0.486795960997115
TGCT	KMT2B	cg24471867	-0.0430909126985255	156	-0.535241319789069	0.593255056797859	0.00185682675719195	0.755346708486623
TGCT	L3MBTL	cg01071811	-0.251036112539806	156	-3.21833463655121	0.00157229017291714	0.0630191297990984	0.00977768116693333
TGCT	L3MBTL	cg01877937	-0.238372817011163	156	-3.04593173738139	0.00272963461266307	0.0568215998898372	0.0152772234954222
TGCT	L3MBTL	cg02177317	-0.189504607017846	156	-2.39508975696897	0.0178175996027965	0.0359119960809884	0.0666304256597583
TGCT	L3MBTL	cg02472486	-0.207366804417343	156	-2.63053358907648	0.00939112357658697	0.0430009915742605	0.0405783752231175
TGCT	L3MBTL	cg02611863	-0.258189070229807	156	-3.31648964735153	0.00113711660642884	0.066661595986132	0.0074688322594162
TGCT	L3MBTL	cg03486259	0.0586469072826333	156	0.729043818073269	0.46708215418117	0.00343945973381778	0.656184001848668
TGCT	L3MBTL	cg04984575	-0.201574312839801	156	-2.55389466157169	0.0116235669324543	0.040632203596838	0.0479425144978182
TGCT	L3MBTL	cg06362543	0.0558215775837843	156	0.693809375464013	0.488846968194301	0.00311604852394245	0.674865770682108
TGCT	L3MBTL	cg06446163	-0.200884559305176	156	-2.54478751553577	0.0119182437540408	0.0403546061672346	0.0488883656526152
TGCT	L3MBTL	cg06908806	0.183797582214927	156	2.32039804961247	0.0216318521115637	0.033781551228053	0.0773178704407797
TGCT	L3MBTL	cg07678583	-0.331754633161659	156	-4.36412589849021	2.32925500180885e-05	0.110061136624227	0.000273677788265697
TGCT	L3MBTL	cg08369943	-0.21438404315902	156	-2.72376505451645	0.00720017974994461	0.0459605179612084	0.0331439989705933
TGCT	L3MBTL	cg08633313	-0.268223302598421	156	-3.45517233548332	0.00071070065674033	0.071943740056804	0.00504915496716504
TGCT	L3MBTL	cg09541000	-0.224558756742411	156	-2.85973699363001	0.00482837407741095	0.0504266352296972	0.0241090200884536
TGCT	L3MBTL	cg10360552	-0.246530794641166	156	-3.15680151577869	0.00191936524544535	0.0607774327064046	0.0115017023497285
TGCT	L3MBTL	cg12699433	-0.269973080049801	156	-3.47947825371742	0.000653552880037799	0.0728854639515763	0.0047045889469474
TGCT	L3MBTL	cg14306330	-0.278929656743747	156	-3.6044823787277	0.000421795477413516	0.0778017534111844	0.00324721992774934
TGCT	L3MBTL	cg15123011	0.122718434016846	156	1.53449414797023	0.126960024901682	0.0150598140475471	0.281596857421494

TGCT	L3MBTL1	cg15302378	-0.235680785595122	156	-3.009497604528	0.00305830511361572	0.0555454326987336	0.016713578363795
TGCT	L3MBTL1	cg15330298	-0.275438717851491	156	-3.55564168148071	0.00050117783695942	0.0758664872916734	0.00375612992759356
TGCT	L3MBTL1	cg15388309	-0.300245116326249	156	-3.90616629017656	0.00014001392821742	0.090147129877763	0.00128385708766454
TGCT	L3MBTL1	cg16862791	-0.204329766131741	156	-2.5903159063593	0.0105092791900347	0.0417506533274521	0.0442977278559578
TGCT	L3MBTL1	cg17091610	-0.338682463061635	156	-4.46693119598246	1.52787505720811e-05	0.114705810785496	0.000189477940698944
TGCT	L3MBTL1	cg17774347	0.0591375154603147	156	0.73516391745298	0.463357764570892	0.00349724573481896	0.652641000795278
TGCT	L3MBTL1	cg18911945	-0.243751616392034	156	-3.11895282474817	0.00216683072057197	0.0594148504937295	0.0126713094096201
TGCT	L3MBTL1	cg20091959	-0.408775961077025	156	-5.55838596970858	1.17166988117503e-07	0.167097786354445	2.50615580797719e-06
TGCT	L3MBTL1	cg20252111	-0.198870823841411	156	-2.51822170820059	0.0128164042290292	0.0395496045753616	0.0517915615081347
TGCT	L3MBTL1	cg20529070	-0.252989726785355	156	-3.24508594997411	0.00144041654304881	0.0640038018589285	0.00909325605399686
TGCT	L3MBTL1	cg22330467	-0.297100884052005	156	-3.86127673477357	0.000165650905149186	0.088268935304483	0.00148207550490808
TGCT	L3MBTL1	cg22457903	-0.32957437798579	156	-4.33193748946627	2.65426961836498e-05	0.10861927062472	0.000306408702810889
TGCT	L3MBTL1	cg22601123	-0.292431894936157	156	-3.79487208265428	0.00021188317096381	0.0855164131759515	0.00182169594008361
TGCT	L3MBTL1	cg23626798	-0.299662765844267	156	-3.89784169812661	0.000144463744671843	0.0897977732334359	0.00131844351865337
TGCT	L3MBTL1	cg24343973	-0.274416051320872	156	-3.54136280420614	0.000526920465712025	0.0753041692225393	0.00391885762042077
TGCT	L3MBTL2	cg02358112	-0.160078824593777	156	-2.01247842047511	0.0459126061685455	0.0256252300833252	0.135569926526829
TGCT	L3MBTL2	cg06235991	0.101140652565141	156	1.26159176075493	0.209003291388758	0.0102294316013026	0.394298108822996
TGCT	L3MBTL2	cg08053598	-0.121487273818289	156	-1.51886768953648	0.130846129273328	0.0147591576997999	0.287454287670194
TGCT	L3MBTL2	cg09993119	-0.323998051384702	156	-4.24996263472122	3.6905173571427e-05	0.104974737301084	0.000407870588551725
TGCT	L3MBTL2	cg12821546	0.0235731969074957	156	0.292616994702811	0.770208804272671	0.000555695612439564	0.872646059240747
TGCT	L3MBTL2	cg13843727	-0.174454755891246	156	-2.19864234730233	0.0293951485016271	0.0304344618530742	0.0972257136025638
TGCT	L3MBTL2	cg14679202	-0.704025935598346	156	-12.3022370283731	1.16760611140298e-24	0.495652517995127	2.32904486744829e-22
TGCT	L3MBTL2	cg15283028	-0.155555980573764	156	-1.95418711910863	0.052490576098071	0.0241976630922651	0.149489379007663
TGCT	L3MBTL2	cg19467356	-0.150054025388993	156	-1.8834462420036	0.0615252962652162	0.0225162105354406	0.167699060917845
TGCT	L3MBTL2	cg24240981	-0.102409939196018	156	-1.27759113954302	0.203316233890067	0.0104877956461321	0.387163319688734
TGCT	L3MBTL2	cg26947834	0.180989294789168	156	2.28373379449415	0.0237541930314211	0.0327571248282805	0.0829674355805853
TGCT	L3MBTL2	cg27177954	-0.193097412566544	156	-2.44223982488204	0.015728104143398	0.0372866107398941	0.0605305398604884
TGCT	L3MBTL2	cg03454037	0.408914743912266	156	5.56065191526365	1.15907396285564e-07	0.167211267788834	2.48262664830374e-06
TGCT	L3MBTL2	cg07826275	0.259568297057745	156	3.33548233518908	0.00106712468111795	0.0673757008374576	0.00708750084887643
TGCT	L3MBTL2	cg08106148	0.253397719418271	156	3.25067803078557	0.00141418395019214	0.0642104042063806	0.0089545031923529
TGCT	L3MBTL2	cg08358392	0.204111687463395	156	2.58743104153469	0.0105939068168133	0.0416615809591545	0.0445832155212236
TGCT	L3MBTL2	cg09710740	0.308852263260414	156	4.02977120576714	8.7494407118932e-05	0.09538972052108	0.000857570858940431
TGCT	L3MBTL2	cg10237990	0.369723988473403	156	4.93805667289785	2.03288889215022e-06	0.136695827652681	3.20589009681602e-05
TGCT	L3MBTL2	cg16487825	0.0974131137696627	156	1.2146417467591	0.226361916401566	0.00948931473430124	0.415889634985202
TGCT	L3MBTL2	cg16800851	0.427106123390625	156	5.86179914717018	2.6920712399937e-08	0.182419640637768	6.72102021964282e-07
TGCT	L3MBTL2	cg18411550	-0.0107242406700803	156	-0.133091980447103	0.894294389679536	0.000115009337949804	0.943984826805381
TGCT	L3MBTL2	cg18798995	0.2133372201207	156	2.70982927868331	0.0074950863484252	0.0455127694888282	0.0341517452931172
TGCT	L3MBTL2	cg22934935	0.444593069564237	156	6.15948834975008	6.08602501988543e-09	0.197662997504551	1.7355433665578e-07
TGCT	L3MBTL2	cg24516147	0.22338017920554	156	2.84393745042323	0.00506157768240565	0.0498987044618993	0.0250292635535892
TGCT	LBR	cg01017344	0.0416009008548102	156	0.516700906925789	0.606106185763963	0.00173063495193175	0.764553148905166
TGCT	LBR	cg05530459	0.00714319892350403	156	0.0886470290781503	0.929477606646081	5.10252908607492e-05	0.962671899544514
TGCT	LBR	cg12994003	-0.0593156749102027	156	-0.73738650237081	0.462009356802127	0.00351834929005285	0.651492820168661
TGCT	LBR	cg14607642	-0.0478977744009343	156	-0.595078754532269	0.552664230316038	0.00229419679256279	0.724865731512584
TGCT	LBR	cg18107727	0.0355571104464507	156	0.441531340538671	0.659447705068511	0.00126430810330109	0.801767207440802
TGCT	LBR	cg18289048	-0.0432147115368599	156	-0.536781924259579	0.592192893451048	0.00186751129321401	0.754583892417831
TGCT	LBR	cg18764107	0.121799626307426	156	1.52283153609248	0.129851659601353	0.0148351489686286	0.285875028498632
TGCT	LBR	cg19322477	-0.153374693894087	156	-1.92611954140527	0.0559315371913866	0.0235237967271049	0.156392297320482
TGCT	LBR	cg20483690	-0.0337452586102296	156	-0.419006284536211	0.675795378348633	0.00113874247867128	0.812588111893004
TGCT	LBR	cg26930584	-0.107556080478344	156	-1.34252381239006	0.181401841189365	0.011568310447864	0.3586700006355
TGCT	MBD1	cg01719254	-0.00213641117963873	156	-0.0265122260172819	0.978883106431328	4.56425272848533e-06	0.989094294612233
TGCT	MBD1	cg03841029	-0.127217308315257	156	-1.5916577051042	0.113512254282052	0.0161842435349791	0.260681101390935
TGCT	MBD1	cg05549078	-0.126821694184243	156	-1.58662700757741	0.11464831565735	0.0160837421157617	0.262376108853231
TGCT	MBD1	cg12090413	-0.228381136996502	156	-2.91106969952883	0.00413682639267742	0.0521579437358148	0.0213196603108279
TGCT	MBD1	cg13478031	-0.0323155864929259	156	-0.401235441290792	0.68880298017532	0.00104429713038178	0.821151757574765
TGCT	MBD1	cg14389183	-0.252437674013984	156	-3.23752227762147	0.0014766188846371	0.0637247792615906	0.00928034331163829
TGCT	MBD1	cg19328682	-0.259308455238364	156	-3.33190250665026	0.00108000136238862	0.0672408749581067	0.00715868053230811
TGCT	MBD1	cg21282183	0.375586695289938	156	5.02910267653393	1.35558837699701e-06	0.141065365678817	2.23756932315097e-05

TGCT	MBD2	cg15090185	-0.0592600365276409	156	-0.736692391668126	0.462430225316916	0.00351175192925733	0.651897233768921
TGCT	MBD2	cg16852837	-0.093378644969038	156	-1.16388390381971	0.246271094334153	0.00871957133625364	0.439362768320859
TGCT	MBD2	cg17987217	-0.160472578363429	156	-2.01755929205796	0.0453740101267912	0.025751448406607	0.134428583433757
TGCT	MBD2	cg22224310	-0.140578799025412	156	-1.76203491726811	0.0800475102621282	0.0197623987354273	0.203158554526034
TGCT	MBD2	cg22836370	-0.0937684805575559	156	-1.16878587781768	0.244295944375181	0.00879252794607275	0.437081913864052
TGCT	MBD2	cg23388714	-0.0752526195313303	156	-0.936515938834694	0.350473925310022	0.00566295674632715	0.549482427005136
TGCT	MBD2	cg24881765	-0.0857459211514553	156	-1.06801234857662	0.287186254650612	0.00735236299411158	0.4846443686299
TGCT	MBD2	cg25192916	0.253236852576908	156	3.24847291597337	0.00142447463536102	0.0641289035030585	0.00900939673034759
TGCT	MBD3	cg08660999	-0.0723098977619868	156	-0.89969744894253	0.369685966427731	0.00522872131434898	0.568389068190026
TGCT	MBD3	cg09174855	0.115151571494973	156	1.4385628387619	0.152303640978106	0.0132598844177619	0.319034666547762
TGCT	MBD3	cg12286540	-0.167663007915821	156	-2.11051894251116	0.0364294416587613	0.0281108842233805	0.114306714980297
TGCT	MBD5	cg03890220	0.28585123997229	156	3.70178109909097	0.000297641220046359	0.0817109313936955	0.00242813021819283
TGCT	MBD5	cg04152151	0.402343625431432	156	5.45386627318931	1.92331198271132e-07	0.161880392925309	3.91680974824724e-06
TGCT	MBD5	cg05218490	-0.036361466352183	156	-0.451532527724369	0.652241028523549	0.00132215623528094	0.796840909165962
TGCT	MBD5	cg06394585	-0.179574596769359	156	-2.26528581358532	0.0248894710493072	0.032247035804878	0.0859134759765848
TGCT	MBD5	cg06758980	0.387964219901881	156	5.2236550919027	5.61197014544597e-07	0.150516235924075	1.024830059847e-05
TGCT	MBD5	cg20595490	0.327162708355914	156	4.29642310225332	3.06333313795111e-05	0.107035437738777	0.00034713610798801
TGCT	MBD5	cg21412502	-0.0903722020459724	156	-1.12609745665114	0.261876060099559	0.00816713490263806	0.457231040025701
TGCT	MBD5	cg23120335	-0.0996476186900862	156	-1.24278000494349	0.215837838738491	0.00992964791060481	0.40303614475942
TGCT	MBD5	cg25686162	0.463015739410218	156	6.48262406948717	1.15723692167816e-09	0.214383574941591	3.78897681334304e-08
TGCT	MBD5	cg26664634	-0.106909730663502	156	-1.33436245727069	0.184054784421802	0.0114296905105425	0.362416672555171
TGCT	MBTD1	cg01388767	-0.0335251201322136	156	-0.416269795372242	0.677792153384491	0.00112393367987935	0.813844368340198
TGCT	MBTD1	cg14577476	0.0379472366549471	156	0.471252244803076	0.638127513330864	0.00143999276974656	0.787163906636981
TGCT	MBTD1	cg17045523	0.0688260614528171	156	0.856139145091147	0.393250978726708	0.00473702673510696	0.590066092641005
TGCT	MBTD1	cg18711617	-0.0863612647929292	156	-1.07573417649892	0.283728579219211	0.00745826805663444	0.480974878556507
TGCT	MBTD1	cg22141797	0.147677396754757	156	1.85294475567719	0.0658040156268053	0.021808613512262	0.176115054382468
TGCT	MBTD1	cg25259117	0.0827346898109008	156	1.03024257452023	0.304511478461575	0.00684502889810597	0.503054711724262
TGCT	MBTD1	cg25716740	0.0353248280694016	156	0.438643352495817	0.661534728933821	0.00124784347813278	0.803050694173131
TGCT	MBTD1	cg25855326	0.0217690658028932	156	0.270211035233573	0.787359677782525	0.000473892225930696	0.882833322860923
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TGCT	MBTD1	cg27214721	0.0180742327099989	156	0.224331974473635	0.822796354759676	0.000326677888055193	0.90463875321067
TGCT	MBTD1	cg27353579	0.0547943863482288	156	0.681003551703806	0.49689194457211	0.00300242477527896	0.681461770639722
TGCT	MLLT10	cg00879184	-0.159209482206088	156	-2.00126419430834	0.0471206372623255	0.0253476592243305	0.138171988510567
TGCT	MLLT10	cg03524461	-0.20241486515949	156	-2.56499823162135	0.0112731334759377	0.0409717776375344	0.0468073305736068
TGCT	MLLT10	cg04188362	-0.15662087844175	156	-1.96790024285094	0.0508754745446618	0.0245300995638653	0.146141302048974
TGCT	MLLT10	cg05913198	-0.298690162420289	156	-3.88394917895892	0.000152190710667091	0.0892158131266588	0.00137877304595734
TGCT	MLLT10	cg06398735	-0.129879613385154	156	-1.62553224636758	0.10609392907637	0.016868713973077	0.248417595946531
TGCT	MLLT10	cg11443787	-0.149667112482545	156	-1.87847836797869	0.062205901991794	0.0224002445588629	0.169027102324472
TGCT	MLLT10	cg15910013	0.153467950539149	156	1.92731892249226	0.0557807105114282	0.0235524118426868	0.156104920984461
TGCT	MLLT10	cg19119538	-0.293445829170236	156	-3.80926728589882	0.000200925900221752	0.0861104546574072	0.00174315038272008
TGCT	MLLT10	cg20569108	-0.402450564368141	156	-5.45559597272281	1.90769152417444e-07	0.161966456760236	3.88805225128705e-06
TGCT	MLLT10	cg23344688	0.0125550015207536	156	0.155815752449082	0.876382312396827	0.000157628063186125	0.934582934095793
TGCT	MLLT10	cg26877631	0.0350032482621739	156	0.434645238718855	0.664428378817695	0.00122522738890338	0.805117465759249
TGCT	MLLT10	cg27470303	-0.0406907869261588	156	-0.505377946757185	0.614015939282277	0.00165574014067006	0.770431548072991
TGCT	MLLT10	cg27572529	0.0391559376239346	156	0.48628533349762	0.627456153740091	0.00153318745120945	0.779811870341987
TGCT	MLLT6	cg05652455	-0.200241629954065	156	-2.5363021634369	0.0121988018262601	0.0400967103666606	0.0498107069741799
TGCT	MORF4L	cg03589001	-0.407831983595235	156	-5.5429856575424	1.2608908150823e-07	0.166326926843224	2.68224610523688e-06
TGCT	MORF4L	cg07757959	-0.0471007921106647	156	-0.58515489752308	0.559299985954025	0.00221848461745205	0.730141061734951
TGCT	MORF4L	cg08692282	0.0143402966618287	156	0.17797670243104	0.858975169015409	0.000205644108349255	0.925074351253641
TGCT	MORF4L	cg13747872	-0.130384301342082	156	-1.63195778471062	0.104731569048364	0.0170000660364629	0.246192291126743
TGCT	MORF4L	cg15822222	-0.108378360132648	156	-1.3529090958787	0.178067549900151	0.0117458689450419	0.354648448822601
TGCT	MORF4L	cg20775702	-0.227132427403278	156	-2.89428466436988	0.00435227279507603	0.0515891395781055	0.0222165820091958
TGCT	MORF4L	cg20905746	0.0685004595897487	156	0.852069787770868	0.395498484931003	0.00469231296400679	0.592216217287211
TGCT	MORF4L	cg23623458	-0.273743707193308	156	-3.53198235196559	0.000544503725730971	0.0749356172279353	0.00403036373354093
TGCT	MORF4L	cg24795825	-0.296348126984507	156	-3.85055029872875	0.000172406081832171	0.0878222123672256	0.00153351917791583
TGCT	MPHOSF	cg00331616	-0.493923222609714	156	-7.04932384476553	5.66911287772007e-11	0.243960149833165	2.35212249178323e-09
TGCT	MPHOSF	cg03134886	-0.0200051103333001	156	-0.24830658215876	0.804228010891933	0.000400204439447512	0.893517764629063

TGCT	MPHOSF	cg03428000	0.0554454574728163	156	0.689120093794263	0.491784656188114	0.00307419875436988	0.677358678909689
TGCT	MPHOSF	cg04203901	-0.234297982137256	156	-2.99081123513203	0.00324066581583832	0.0548955444335898	0.0175315964170602
TGCT	MPHOSF	cg06019692	0.0641172256524886	156	0.797314420495339	0.426496053505096	0.00411101862537214	0.621105486556757
TGCT	MPHOSF	cg09559995	-0.0491396926353915	156	-0.610545138745528	0.542400746227764	0.00241470939230075	0.7169917860349
TGCT	MPHOSF	cg11051893	-0.062496676305408	156	-0.777082419342626	0.438302168710597	0.00390583454922295	0.630993474377211
TGCT	MPHOSF	cg19693579	-0.0538835635940475	156	-0.669650289943343	0.504083537487577	0.00290343842559376	0.687370295212883
TGCT	MPHOSF	cg20759595	0.137146007536762	156	1.71817247682618	0.0877749664437718	0.0188090273832736	0.216980163315119
TGCT	MPHOSF	cg20952532	-0.0929130519443418	156	-1.15803002800247	0.248644567129407	0.00863283522161195	0.442036048704612
TGCT	MPHOSF	cg21958444	-0.250076663814622	156	-3.20521206830544	0.00164100523467442	0.0625383377846513	0.0101229372156262
TGCT	MPHOSF	cg22656705	-0.201692429109128	156	-2.55545460392047	0.011573752358547	0.0406798359599407	0.0477826509038265
TGCT	MSH6	cg00620552	0.0800070336256373	156	0.996054228689196	0.320786287270403	0.00640112542957386	0.520226150342166
TGCT	MSH6	cg02905881	0.0160964394082827	156	0.199777442300192	0.841918198185949	0.000259095361624515	0.915441594354369
TGCT	MSH6	cg05039065	-0.174661035383517	156	-2.2013238290641	0.0292010190499272	0.0305064772812423	0.0967818709939518
TGCT	MSH6	cg07652213	0.0197359884112487	156	0.244964887954731	0.80680973316026	0.000389509238568942	0.895318780548278
TGCT	MSH6	cg09898070	-0.332069471130061	156	-4.3687805127158	2.28554447652578e-05	0.110270133656599	0.000269274037569054
TGCT	MSH6	cg11869233	-0.235886203824286	156	-3.01227514975377	0.00303202032904902	0.0556423011546327	0.0166017023412747
TGCT	MSH6	cg16595246	-0.168939495081333	156	-2.12705742213072	0.0350083730579311	0.0285405529983358	0.110880277406917
TGCT	MSH6	cg18222961	-0.31665628300691	156	-4.14278751961952	5.64059293394932e-05	0.100271201567753	0.000589157205563445
TGCT	MSH6	cg19076255	-0.12024753825142	156	-1.50313957805343	0.134850967777099	0.0144594704555266	0.293508930313122
TGCT	MSH6	cg19736286	0.0418346157868428	156	0.519608820950076	0.604082289034706	0.00175013507803276	0.763025501196088
TGCT	MSH6	cg21405109	-0.0802640268331597	156	-0.999274399168495	0.319229331155142	0.00644231400347417	0.518609334416806
TGCT	MTA1	cg01318265	0.0863240855495274	156	1.07526758627298	0.283936697240243	0.00745184774596213	0.481211525099287
TGCT	MTA1	cg01655777	0.0196919437265566	156	0.244417989002118	0.807232458999892	0.00038777264772987	0.895602297775715
TGCT	MTA1	cg05922925	-0.244086408958667	156	-3.12350789984244	0.00213555796501885	0.0595781750383377	0.0125205859590382
TGCT	MTA1	cg13052453	0.0779618971379638	156	0.970435376260609	0.3333512217873	0.00607805740535045	0.53294881733097
TGCT	MTA1	cg13981078	0.0357668945366616	156	0.444139666886118	0.657565077837935	0.00127927074479667	0.800566804365149
TGCT	MTA1	cg16531924	-0.0961181081164053	156	-1.19834275697409	0.232624520701616	0.00923869070787697	0.423316287705974
TGCT	MTA1	cg20222911	-0.141435796385818	156	-1.77299523249577	0.0782063176651916	0.0200040844992907	0.199631916145357
TGCT	MTA1	cg21517792	0.0943279719836453	156	1.17582213159689	0.241480502096075	0.00889776629854738	0.433728966516088
TGCT	MTA1	cg23123838	-0.160467552097683	156	-2.01749442852282	0.0453808519304193	0.0257498352762225	0.134434792064014
TGCT	MTA1	cg23883989	-0.243674467165241	156	-3.11790332644892	0.00217409585921828	0.0593772459482642	0.012702336708376
TGCT	MTA1	cg23966123	-0.217365557495891	156	-2.76351041948076	0.00641595762687385	0.0472477855854995	0.0302278953261279
TGCT	MTA2	cg00501779	-0.138501555161362	156	-1.735485331479	0.0846552185230723	0.0191826807821159	0.21141112868877
TGCT	MTA2	cg07654871	-0.0099141255693787	156	-0.123037109601678	0.902238137797826	9.82898858054086e-05	0.948328401325905
TGCT	MTA2	cg09086761	0.0655922603028204	156	0.815735222576313	0.41591148267849	0.00430234461163295	0.611495042850848
TGCT	MTA2	cg13708959	-0.242043779031116	156	-3.09573496593904	0.00233292313323352	0.0585851909676636	0.0134654564643692
TGCT	MTA2	cg19570317	-0.2353891002711	156	-3.0055433976535	0.00309598199525436	0.055408028526438	0.0168827157814957
TGCT	MTA2	cg21002970	-0.0967505444815079	156	-1.2063018521146	0.229551035727068	0.00936066785746823	0.419617522785156
TGCT	MTF2	cg05396182	-0.186757715844378	156	-2.35910845048884	0.0195737164990698	0.0348784444274093	0.0716264869649963
TGCT	MTF2	cg05962718	-0.288252481242732	156	-3.73568234611888	0.000263178489763967	0.0830894929425917	0.00218642753446156
TGCT	MTF2	cg09936581	0.144156816438531	156	1.807882200773756	0.0725856390478219	0.0207811877256922	0.189277029155373
TGCT	MTF2	cg11404133	0.145263336699056	156	1.82199646745444	0.0703956808538245	0.0211014369889434	0.185137308868912
TGCT	MTF2	cg14474880	-0.367883735175642	156	-4.90961991942157	2.30487013442902e-06	0.135338442606782	3.57644386296221e-05
TGCT	MTF2	cg15463775	-0.272462509987765	156	-3.51412274517214	0.000579516872160977	0.0742358193488331	0.00424869810129969
TGCT	MTF2	cg16813892	0.0841694725396086	156	1.04823539684687	0.296172497062059	0.00708450010759593	0.494143805873118
TGCT	MTF2	cg19708337	-0.443505431234998	156	-6.14072468977215	6.6922277669927e-09	0.196697067534942	1.89452389703577e-07
TGCT	MTF2	cg22801127	-0.0641058956916892	156	-0.797172948036582	0.426577952460346	0.00410956586243374	0.621174357326916
TGCT	MTF2	cg23992808	-0.10920930765566	156	-1.36340670797945	0.174744220613225	0.0119266728786287	0.350163615949338
TGCT	MTF2	cg26054395	-0.205195595782657	156	-2.60177355443018	0.010179132080419	0.0421052325285997	0.0432246397960764
TGCT	NAP1L2	cg02379437	-0.23430654323091	156	-2.9909268653316	0.0032395072513672	0.0548995562008185	0.0175289856794088
TGCT	NAP1L2	cg04297329	-0.38333474971459	156	-5.15050922428864	7.83815293024007e-07	0.146945530338747	1.37651247817106e-05
TGCT	NAP1L2	cg07693661	-0.310277340345575	156	-4.050340719642	8.08275753097527e-05	0.0962720279319238	0.00080151693991675
TGCT	NAP1L2	cg20001978	-0.364675258281712	156	-4.86019972408171	2.86367076335863e-06	0.132988044002833	4.33861705460411e-05
TGCT	NAP1L2	cg23483095	-0.297897789413821	156	-3.87264086863612	0.000158768768920246	0.0887430929376411	0.00142888218525933
TGCT	NCOA1	cg11380327	0.0616427166899391	156	0.766423520118027	0.444597583706316	0.00379982452091609	0.636577898516512
TGCT	NCOA1	cg13911252	0.0495441285904713	156	0.615582441770909	0.539078829324402	0.00245462067778916	0.714589235238853
TGCT	NCOA1	cg15477048	0.0176213725838629	156	0.218709441633968	0.827165970908597	0.000310512771739314	0.907179473515184

TGCT	NCOA1	cg23006163	0.076681378813087	156	0.954400977775403	0.341376412810054	0.00588003385667615	0.540554762633598
TGCT	NCOA3	cg04175879	-0.0287089401184524	156	-0.356415487269569	0.722017269625559	0.000824203242724888	0.842477191283743
TGCT	NCOA3	cg09568061	-0.0355794187914986	156	-0.441808705996975	0.659247405552378	0.00126589504154084	0.801686217113268
TGCT	NCOA3	cg12128876	-0.135275030320596	156	-1.69429276969001	0.0922310402621991	0.0182993338282382	0.224726049608129
TGCT	NCOA3	cg14341558	0.155153275692195	156	1.949003146573	0.0531123061867175	0.0240725389580183	0.15077429380709
TGCT	NCOA3	cg14774045	-0.052556550157957	156	-0.653112269567293	0.514657770143103	0.00276219096450585	0.696188427250685
TGCT	NCOA3	cg18295930	0.044887059700004	156	0.557595780450808	0.577930047888295	0.00201484812851172	0.74434977695943
TGCT	NCOA3	cg21735648	0.138021809243706	156	1.72935695579128	0.0857490225450785	0.0190500198269058	0.213375538491886
TGCT	NCOA3	cg22511723	-0.0334382276430945	156	-0.415189672184503	0.678580933537363	0.00111811506791141	0.814453533846609
TGCT	NCOA3	cg22876277	-0.0185053400448733	156	-0.229684561497029	0.818641677330066	0.000342447610176392	0.902430327559694
TGCT	NCOA3	cg24856420	-0.00358241937808125	156	-0.0444569406201323	0.964597767633823	1.28337286004521e-05	0.981419038761078
TGCT	NCOA3	cg25373408	0.0217021780117515	156	0.269380391002741	0.787997566789179	0.000470984530453751	0.883231769894177
TGCT	NCOR1	cg00253204	0.15105536633794	156	1.89630953718724	0.0597918845058836	0.0228177751477235	0.16422871388097
TGCT	NCOR1	cg08125503	0.156262407055008	156	1.96328327784499	0.0514144932433734	0.024417939858625	0.147265798504234
TGCT	NCOR1	cg08206308	0.167028765350063	156	2.102305608441	0.0371534322904332	0.0278986084543665	0.115974404606451
TGCT	NCOR1	cg21211144	0.109538705558227	156	1.36756889095316	0.173439578999955	0.011998728015372	0.348391740986109
TGCT	NCOR1	cg22291359	0.148519905819278	156	1.8637536735613	0.0642602489593853	0.0220581624245673	0.173102101778164
TGCT	NCOR1	cg22625220	0.226514535195219	156	2.88598458963126	0.0044625617304695	0.051308834654706	0.0226473042768703
TGCT	NCOR2	cg08976554	0.315895034524181	156	4.13172268270112	5.8905522716012e-05	0.0997896728370335	0.00061197866375126
TGCT	NCOR2	cg10641483	0.506230027575808	156	7.28450883152791	1.56465383024567e-11	0.256268840819403	7.13485815182485e-10
TGCT	NCOR2	cg13416396	0.739960616208258	156	13.651478598797	2.6034121318029e-28	0.547541713539305	6.59706330232817e-26
TGCT	NCOR2	cg13419087	0.588770397118871	156	9.03927442791074	6.28975364034217e-16	0.346650580523512	5.4549062953933e-14
TGCT	NCOR2	cg13857025	0.664808944516822	156	11.0440611737115	2.97786889732474e-21	0.441970932709571	4.3730282282041e-19
TGCT	NCOR2	cg16181859	0.733672918753649	156	13.3989757700258	1.25045418180431e-27	0.538275951712498	3.03046207536713e-25
TGCT	NCOR2	cg19895345	-0.264089041890454	156	-3.39788967027867	0.000864456334893753	0.0697430220466177	0.00594444586906432
TGCT	NCOR2	cg23611643	0.71097722861217	156	12.5466535593969	2.53811166004799e-25	0.505488619605042	5.29356188959178e-23
TGCT	NCOR2	cg24626542	0.712952983835099	156	12.6174621777118	1.63133690775386e-25	0.508301957159371	3.44859302722293e-23
TGCT	NCOR2	cg25113767	0.124341935095857	156	1.55511138840061	0.121972241376445	0.0154609168233822	0.273745054068882
TGCT	NCOR2	cg25449924	0.718641785130939	156	12.8247923692124	4.47358248624475e-26	0.516446015336183	9.8588633409327e-24
TGCT	ORC1	cg00298020	-0.327699828727671	156	-4.3043245912352	2.96739648291548e-05	0.107387177748145	0.000337691108823767
TGCT	ORC1	cg02275620	0.264784003186743	156	3.4075045805194	0.000836641462864706	0.070110568343597	0.0057833551918903
TGCT	ORC1	cg04407474	0.0356359690226283	156	0.442511812698003	0.658739767489617	0.00126992228818172	0.801452235254861
TGCT	ORC1	cg07142859	-0.270709941274117	156	-3.48972499837597	0.000630778404568689	0.0732838723046359	0.00456260113482256
TGCT	ORC1	cg08613513	0.035955519072383	156	0.44648495853127	0.655874173174332	0.0012927993517645	0.799358850507974
TGCT	ORC1	cg10586599	0.308628345460868	156	4.02654191676859	8.85875689797386e-05	0.0952514556219129	0.000866974630923359
TGCT	ORC1	cg13460942	-0.1660407736185	156	-2.08951662661409	0.0383053754926624	0.02756953850383	0.118542779102402
TGCT	ORC1	cg16136434	0.380743232679031	156	5.10976245633053	9.42913834414214e-07	0.144965409230879	1.62681390185006e-05
TGCT	ORC1	cg16965475	-0.322045077653798	156	-4.22137063761733	4.1358231523795e-05	0.103713032041041	0.000450745623866925
TGCT	ORC1	cg17146111	-0.0139852355001433	156	-0.173569183170752	0.86243199105768	0.000195586811994467	0.926864784797352
TGCT	ORC1	cg19776520	-0.156985663018092	156	-1.97259933762771	0.05033178257297	0.02464449839323	0.144975958733769
TGCT	ORC1	cg21197365	-0.0808988762069846	156	-1.00723003553771	0.315404215602618	0.00654462817155302	0.514576590159806
TGCT	ORC1	cg23606758	0.355858107428279	156	4.72540820953631	5.13828922479191e-06	0.126634992622437	7.28991908767451e-05
TGCT	ORC1	cg25605769	0.108446707371905	156	1.35377243866281	0.177792453140065	0.0117606883398077	0.354264282044419
TGCT	PADI1	cg14524955	0.122350394743948	156	1.52982207198495	0.128112287764997	0.0149696190939999	0.283207846164935
TGCT	PADI1	cg21010178	0.154352031524649	156	1.93869178289987	0.0543674595311007	0.0238245496357862	0.153380313572528
TGCT	PADI1	cg22193702	0.1637035017126	156	2.05928767395768	0.0411506716454002	0.0267988364729673	0.124947322508187
TGCT	PADI2	cg00569276	-0.239792602062273	156	-3.06517711719922	0.0025694818028977	0.0575004920037958	0.0145494200397709
TGCT	PADI2	cg01603374	0.171971970313256	156	2.16639126465083	0.0318192589581696	0.0295743585734232	0.103087932341823
TGCT	PADI2	cg07014827	-0.139275649289985	156	-1.74537640189871	0.0829139054520189	0.0193977064851469	0.208206116706063
TGCT	PADI2	cg09313801	-0.0189621655556163	156	-0.235356602818792	0.814244646911465	0.000359563722558601	0.90007030893814
TGCT	PADI2	cg10233913	-0.237654929145872	156	-3.03620856136813	0.00281400301226095	0.0564798653473292	0.0156447688453864
TGCT	PADI2	cg15185794	-0.225347196480233	156	-2.87031387675092	0.00467778820522462	0.0507813589615008	0.0235186360523004
TGCT	PADI2	cg17183414	-0.108726488923546	156	-1.35730676188779	0.176669602030397	0.011821449393642	0.35271352000084
TGCT	PADI2	cg18228326	-0.232138630746735	156	-2.96166942813353	0.00354511252076518	0.0538883438849692	0.0188396729913408
TGCT	PADI2	cg18879300	0.100449212108493	156	1.25287876657836	0.212148892327624	0.0100900442132171	0.398342524278281
TGCT	PADI2	cg19282714	0.0970394486203049	156	1.20993814765178	0.228156594038243	0.0094166545885328	0.418031844287691
TGCT	PADI3	cg01459162	-0.366820637629107	156	-4.8932227078184	2.47740285767922e-06	0.134557380190625	3.8135566955273e-05

TGCT	PADI3	cg12858514	-0.453115396824522	156	-6.30770362994777	2.85863011121297e-09	0.205313562839444	8.6699520807681e-08
TGCT	PADI3	cg14664242	-0.439447171901012	156	-6.07100925448126	9.50965265574505e-09	0.193113816891798	2.61134457713036e-07
TGCT	PADI3	cg17589397	-0.406312341176457	156	-5.51823853264711	1.41833988050512e-07	0.165089718592294	2.9788966701948e-06
TGCT	PADI3	cg18768338	-0.413606407945214	156	-5.63752860509906	8.01984790851824e-08	0.171070260693343	1.78205098027783e-06
TGCT	PADI3	cg21966975	-0.446876135720336	156	-6.19898589762125	4.98081915603398e-09	0.19969828067634	1.44204631717345e-07
TGCT	PADI4	cg16091981	-0.275027249307736	156	-3.54989502711359	0.000511392464341648	0.0756399878617793	0.00381980464435853
TGCT	PADI4	cg18333690	-0.239964635389331	156	-3.06751046657729	0.00255066569511289	0.0575830262375345	0.0144728116614275
TGCT	PADI4	cg19159961	-0.17104066586503	156	-2.15430474285378	0.0327713255611041	0.0292549093795528	0.105415997804536
TGCT	PADI4	cg21295838	-0.249991514618713	156	-3.20404795342086	0.00164723387165312	0.0624957573813581	0.0101549181243666
TGCT	PADI4	cg23228178	-0.266822471584195	156	-3.43574015819497	0.000759727350978351	0.0711942313422986	0.00533317357354357
TGCT	PADI4	cg26918754	-0.253179043326496	156	-3.24768055430611	0.00142818936953677	0.0640996279797199	0.00902922095194989
TGCT	PADI6	cg12643633	-0.301773898400207	156	-3.92804282552818	0.000128933112889401	0.0910674857556585	0.00119735258256154
TGCT	PADI6	cg16017904	-0.0454387251530875	156	-0.564462767988293	0.57326045329967	0.00206467774353783	0.740702625963237
TGCT	PARP1	cg00653565	0.150150167130754	156	1.88468081739833	0.0613571268214451	0.0225450726893935	0.167334098438375
TGCT	PARP1	cg02088626	-0.463848892003869	156	-6.49748305960113	1.07101832054833e-09	0.215155794613217	3.52448389292457e-08
TGCT	PARP1	cg03149313	0.10514064463139	156	1.31203321193546	0.19146128915025	0.0110545551535043	0.371911072566857
TGCT	PARP1	cg04960271	0.0759803795887879	156	0.945625220800928	0.345821106927319	0.0057730180824563	0.545065688601492
TGCT	PARP1	cg07113065	-0.125444218946597	156	-1.56911678244011	0.118673159058704	0.0157362520671219	0.268709716675286
TGCT	PARP1	cg17661881	-0.163524096273144	156	-2.05696882539994	0.0413762129846583	0.0267401300619484	0.125446085698137
TGCT	PARP1	cg25722198	0.0178382072389935	156	0.221401558237272	0.825073078334604	0.00031820163750128	0.906029113780554
TGCT	PARP1	cg26464410	-0.12689222834292	156	-1.58752387566149	0.114445120577614	0.0161016376138318	0.262078766799593
TGCT	PARP2	cg01813761	-0.308173138868015	156	-4.01997931619315	9.08493787410807e-05	0.0949706835197646	0.000887212725305502
TGCT	PARP2	cg10910545	-0.321152220345277	156	-4.19463343185731	4.61307172754572e-05	0.103138748632701	0.000494651002029899
TGCT	PARP2	cg15078479	-0.0668870411884441	156	-0.83190936815016	0.406748230185266	0.00447387627894461	0.602934204628005
TGCT	PARP2	cg15365367	0.010687821441332	156	0.132639951989407	0.894651286571354	0.000114229527161796	0.944029938671375
TGCT	PARP2	cg18899035	-0.110937690833706	156	-1.38525119012714	0.167978892235209	0.0123071712475149	0.340980846011529
TGCT	PARP2	cg19540080	0.0098016911484218	156	0.12164163171839	0.903341420972075	9.60731493690502e-05	0.948758505509675
TGCT	PARP2	cg24595957	0.0697664814489797	156	0.867894019825007	0.386802770432702	0.00486736193377083	0.5847782560787
TGCT	PARP2	cg26206608	-0.049966736217704	156	-0.620846399777462	0.535618476171477	0.00249667472865599	0.711991930271583
TGCT	PARP2	cg26430074	-0.235355330110453	156	-3.00509785989579	0.00310037103289928	0.0553921314114002	0.0169007262373601
TGCT	PAXIP1	cg02824291	0.0729456251563061	156	0.907649453554842	0.36548157133308	0.00532106422944431	0.564389966855621
TGCT	PAXIP1	cg12220104	0.18253560009955	156	2.30391473378133	0.0225644648413109	0.0333192453037028	0.0797392558310593
TGCT	PAXIP1	cg22583711	0.0483700516025665	156	0.600959987908716	0.548750132741104	0.00233966189203494	0.721886293061104
TGCT	PAXIP1	cg24448952	-0.10815669862045	156	-1.35010926454313	0.178961893183294	0.0116978714564749	0.355719799639766
TGCT	PAXIP1	cg24452135	-0.0507573639219094	156	-0.630695278621021	0.529174636237115	0.00257630999230115	0.707441927478649
TGCT	PCGF1	cg03203239	0.154377576202692	156	1.93902046163193	0.0543270688188361	0.0238324360342179	0.153299720399453
TGCT	PCGF1	cg08092637	0.231110463686359	156	2.94780996533314	0.00369893518398559	0.0534120464253237	0.0194727869982357
TGCT	PCGF1	cg27306986	-0.295825585745509	156	-3.84310895812081	0.000177245228341019	0.0875127771816733	0.00156867068186135
TGCT	PCGF2	cg09395368	-0.0389195815899274	156	-0.483345514600765	0.629536921683707	0.00151473383113502	0.781407272160917
TGCT	PCGF2	cg17902383	0.401497395425617	156	5.44018818422828	2.05131024113433e-07	0.161200158533554	4.14062347947079e-06
TGCT	PCGF2	cg20228512	-0.0805722465985496	156	-1.00313671208568	0.317368496084033	0.00649188692193749	0.516578750143559
TGCT	PCGF2	cg25377665	0.129988978966491	156	1.62692454746633	0.105797531658156	0.0168971346527509	0.247963761683977
TGCT	PCGF5	cg03905463	-0.094756357020822	156	-1.18121032992316	0.239340150222757	0.00897876719585749	0.431208149098391
TGCT	PCGF5	cg06001881	-0.419954745432653	156	-5.74241615428113	4.82853532525164e-08	0.176361988211404	1.13346734186067e-06
TGCT	PCGF5	cg07421809	-0.192663232431454	156	-2.43653650005132	0.0159687140496849	0.0371191211309366	0.0611954073949192
TGCT	PCGF5	cg07424295	-0.25360270764809	156	-3.25348836608639	0.00140116916257039	0.0643143333264425	0.00888511198508321
TGCT	PCGF5	cg08633154	-0.0685376002570504	156	-0.852533956299123	0.395241729315066	0.00469740264899524	0.59190011146623
TGCT	PCGF5	cg11113644	-0.0950637923180133	156	-1.1850776384443	0.237812291822381	0.00903712460988235	0.429342525644704
TGCT	PCGF5	cg12783297	-0.171312509346814	156	-2.15783212652785	0.0324909572711216	0.0293479758587023	0.104740656802156
TGCT	PCGF5	cg15550435	-0.26316538319341	156	-3.38511949373194	0.000902738978575232	0.0692560189113342	0.00617060680953181
TGCT	PCGF5	cg17001035	-0.0382320091249006	156	-0.474793882874188	0.63560651729072	0.00146168652172648	0.785423142773521
TGCT	PCGF5	cg20515900	-0.449907281678991	156	-6.25165954552509	3.80851089014e-09	0.202416562107779	1.12653724786141e-07
TGCT	PCGF5	cg22968329	-0.080908072368792	156	-1.00734528659249	0.315349026563274	0.00654611617443369	0.514518995292266
TGCT	PCGF5	cg23395902	-0.0998813402654665	156	-1.24572425992374	0.214757555522629	0.0099762821332259	0.401664886145295
TGCT	PCGF5	cg25390656	-0.0744933104312641	156	-0.927013365515923	0.355370142725086	0.00554925329900869	0.554232370705386
TGCT	PCGF6	cg01917164	-0.32118656216536	156	-4.20882082749123	4.34713889932757e-05	0.103160807715603	0.000470022687330492
TGCT	PCGF6	cg06691148	-0.22243096485293	156	-2.83122220803178	0.00525667359418006	0.0494755341254055	0.0258021115266354

TGCT	PCGF6	cg11612727	-0.168299701685202	156	-2.11876673134437	0.0357146631706952	0.028324789587328	0.112526285152528
TGCT	PCGF6	cg11814370	-0.103078876227116	156	-1.28602563420729	0.200364343234548	0.0106252547242452	0.383353264082353
TGCT	PCGF6	cg14409890	-0.210930663065161	156	-2.67782909845298	0.00821407336759572	0.0444917446211085	0.036663355315131
TGCT	PCGF6	cg16113748	-0.0719191809165103	156	-0.894810709629548	0.372284687422509	0.00517236858370173	0.570928991924353
TGCT	PCGF6	cg16382383	-0.126998580904464	156	-1.58887623435205	0.114139270459821	0.0161286395517478	0.261541985453646
TGCT	PCGF6	cg24418712	-0.189592496368008	156	-2.39624197018262	0.0177637442249106	0.0359453146790532	0.0664796612417709
TGCT	PCGF6	cg25481680	-0.248095488491981	156	-3.17814695897723	0.00179162877948603	0.0615513714100747	0.0108642894435526
TGCT	PCGF6	cg26155979	-0.390613107098544	156	-5.26571632144686	4.62476061173273e-07	0.152578599437178	8.60714418729991e-06
TGCT	PCGF6	cg27217148	-0.247798621642025	156	-3.17409509174596	0.00181525244150385	0.0614041568876872	0.0109844234936489
TGCT	PHC1	cg02770112	-0.0939824709213717	156	-1.17147692259636	0.243216430524681	0.00883270484048648	0.43581202340751
TGCT	PHC1	cg08021945	-0.462717599477298	156	-6.47731216504782	1.18968794198687e-09	0.214107576866033	3.88052762091934e-08
TGCT	PHC1	cg08867249	-0.127545324227353	156	-1.59582939740483	0.112576985057546	0.0162678097322607	0.259275681673477
TGCT	PHC1	cg09059548	-0.0975061741335605	156	-1.21581324684164	0.225916511962922	0.00950745399416422	0.415345964258721
TGCT	PHC1	cg09912793	-0.302110553031808	156	-3.93286474932869	0.00012660556320872	0.0912707862531848	0.00117982189557489
TGCT	PHC1	cg12581035	0.0730039300242035	156	0.90837881630741	0.365097456519296	0.0053295737989788	0.564076730466756
TGCT	PHC1	cg14199415	0.297036508876831	156	3.86035911029313	0.000166218815167708	0.0882306876057354	0.0014866436545363
TGCT	PHC2	cg06899053	-0.0763351238338216	156	-0.95006606043149	0.343567302212173	0.00582705113072488	0.542957705503467
TGCT	PHC2	cg13640100	0.158068898595928	156	1.98655828682988	0.0487456267015192	0.0249857767033298	0.141581439800552
TGCT	PHC2	cg15586632	0.564482346250614	156	8.48638067886205	1.65976000828499e-14	0.318640319228598	1.21352791432822e-12
TGCT	PHC2	cg16558908	0.115974446912113	156	1.44898248521758	0.149375663752329	0.0134500723365705	0.314825672183054
TGCT	PHC2	cg17161743	0.0365629010827615	156	0.45403726037269	0.650441251143811	0.0013368457355878	0.795516636399793
TGCT	PHC2	cg19746874	0.530699026035647	156	7.7703041815051	1.0329240589133e-12	0.281641456235185	5.81021650318879e-11
TGCT	PHC2	cg21198021	0.605256981409161	156	9.43562463029163	5.80750099920178e-17	0.366336013544529	5.74064463445875e-15
TGCT	PHC2	cg21578869	0.570277110013731	156	8.6151710898333	7.78895401319188e-15	0.325215982205613	5.90578838696149e-13
TGCT	PHC2	cg23886755	0.628851913432804	156	10.0367783405598	1.49550656238548e-18	0.395454729028099	1.71342323290451e-16
TGCT	PHF1	cg01097444	-0.0337285544822928	156	-0.418798637351404	0.675946814878814	0.00113761538746499	0.812694833652981
TGCT	PHF1	cg02776641	-0.0297869850251414	156	-0.369810859486726	0.712031482683786	0.000887264476887997	0.836114917416149
TGCT	PHF1	cg03560363	-0.0942503480737521	156	-1.17484585387096	0.241869759868495	0.00888312811202342	0.434196370777479
TGCT	PHF1	cg03876174	-0.183172993232729	156	-2.31223853380144	0.0220891899485328	0.0335523454498373	0.0785090662854605
TGCT	PHF1	cg06618123	0.0258915647112428	156	0.32141361983813	0.748332778132821	0.000670373123196473	0.858873493513203
TGCT	PHF1	cg06919790	-0.0169263010930179	156	-0.210079968674626	0.833882942575541	0.0002864996686915	0.910884920298096
TGCT	PHF1	cg07857404	-0.119769019396763	156	-1.49707068199233	0.136421625248032	0.0143446180072621	0.295884462879039
TGCT	PHF1	cg08665801	-0.022666289277429	156	-0.281353536174381	0.778816938028269	0.000513760669608093	0.877694985904261
TGCT	PHF1	cg08798692	-0.0751926129571092	156	-0.93576491138971	0.350859314159419	0.00565392904331762	0.549809634310649
TGCT	PHF1	cg10033570	-0.0986397707328629	156	-1.23008624019059	0.220540584081074	0.00972980437023175	0.408763785333339
TGCT	PHF1	cg10797813	-0.0738357613689594	156	-0.918785605533269	0.359644537705575	0.00545171965693392	0.558495381101542
TGCT	PHF1	cg13303256	0.0393254638418586	156	0.488393967082823	0.625965527560903	0.00154649210637733	0.778743079560432
TGCT	PHF1	cg13528777	-0.117769329765667	156	-1.47172068378963	0.143136901210181	0.0138696150334543	0.305903466738408
TGCT	PHF1	cg13547657	-0.0621266437558077	156	-0.77246356145533	0.44102380720543	0.00385971986436103	0.633580285825548
TGCT	PHF1	cg18443095	0.121863192394442	156	1.52363826495707	0.129649990892452	0.0148506376605648	0.285560413520584
TGCT	PHF1	cg20135607	-0.118105789616723	156	-1.47598469462791	0.141989773801009	0.0139489775409896	0.304229163354515
TGCT	PHF1	cg20872639	0.149734036270017	156	1.87933759103237	0.0620877393662012	0.0224202816177108	0.168835766088306
TGCT	PHF1	cg23345642	0.0203682201735576	156	0.252815412600101	0.800748003296446	0.00041486439303852	0.891204185648283
TGCT	PHF1	cg23718418	0.0745267478729284	156	0.927431792916839	0.355153634248285	0.0055423614851504	0.554006044539706
TGCT	PHF1	cg24796663	0.00978075160459004	156	0.121381741441276	0.903546914529515	9.56631019506907e-05	0.948890126666653
TGCT	PHF1	cg26673053	-0.0635924891010862	156	-0.79076257965392	0.430298645019425	0.00404400467007177	0.624294158721393
TGCT	PHF10	cg04353997	-0.30174511411658	156	-3.92763062162334	0.000129133962441407	0.091050113893228	0.00119878848140415
TGCT	PHF10	cg05243705	-0.0620285366320697	156	-0.771239012456692	0.441747003076908	0.00384753935671602	0.634279556245201
TGCT	PHF10	cg05736120	-0.166881825454038	156	-2.10040314509	0.0373228845623626	0.027849543666872	0.116363276757151
TGCT	PHF10	cg07652237	-0.379807707165331	156	-5.09508775016577	1.00757124290065e-06	0.144253894422186	1.71972302168909e-05
TGCT	PHF10	cg11442717	-0.226003678719098	156	-2.879125087609	0.0045556322588251	0.0510776627945653	0.0230115483373183
TGCT	PHF10	cg15342139	0.0655604100148152	156	0.815337407598033	0.416138399572615	0.00429816736131068	0.611728424575971
TGCT	PHF10	cg15360169	-0.282294391093741	156	-3.6517040082541	0.00035643990404101	0.0796901232429862	0.00282371546791918
TGCT	PHF10	cg16740543	0.0466537201705165	156	0.579588542686296	0.563039041104052	0.00217656960574886	0.733059851109582
TGCT	PHF10	cg27124293	-0.0547179602385212	156	-0.680050847183729	0.497493294820609	0.00299405517266438	0.681865314351459
TGCT	PHF11	cg00092518	-0.207701758238411	156	-2.63497402262294	0.00927448058950823	0.0431400203753274	0.040231301360688
TGCT	PHF11	cg01214340	-0.194257548655123	156	-2.45748651954292	0.0151006196308655	0.0377359952094974	0.058681133101731

TGCT	PHF11	cg02289189	-0.153715751654551	156	-1.9305061685887	0.0553815640424793	0.0236285323067235	0.155368190068146
TGCT	PHF11	cg05080330	-0.0732315467124106	156	-0.911226269191039	0.363600299805087	0.00536285943389197	0.562512115402941
TGCT	PHF11	cg09997676	-0.23117599128283	156	-2.94869259081377	0.00368895529742578	0.053442338945599	0.0194314389364661
TGCT	PHF11	cg16956501	-0.182035840687297	156	-2.29739041278814	0.0229432433399982	0.0331370472947311	0.0807659474361653
TGCT	PHF11	cg21320768	-0.243665335353433	156	-3.11777910615523	0.00217495726333286	0.059372795652901	0.0127054610906147
TGCT	PHF11	cg23137039	-0.221322304914006	156	-2.81638182607582	0.00549303679908483	0.0489835626524482	0.0267395848037047
TGCT	PHF11	cg24481868	-0.16873327156618	156	-2.12438479618928	0.0352347294121671	0.0284709169334261	0.111402175976026
TGCT	PHF11	cg24984523	-0.131424365273481	156	-1.64520364841429	0.101967411873888	0.0172723637875373	0.241604113688575
TGCT	PHF11	cg25162948	-0.283693996314516	156	-3.67138944410487	0.000332125075556045	0.0804822835449006	0.00265953043003674
TGCT	PHF12	cg01406758	0.0724893955222652	156	0.901942586964112	0.368495849705797	0.00525471246318341	0.567348691604504
TGCT	PHF12	cg02058367	-0.0411479872324202	156	-0.511065933431981	0.610036797579232	0.00169315685327941	0.767345889175368
TGCT	PHF12	cg06895197	-0.0634447061413551	156	-0.78891748626408	0.431373085660181	0.0040252307373629	0.625328199494048
TGCT	PHF12	cg08657247	-0.286530024608107	156	-3.71135658949594	0.000287497412964403	0.0820994550019225	0.00235774549274223
TGCT	PHF12	cg08806622	0.0234406648780754	156	0.290970951309318	0.771465044334712	0.000549464769926239	0.873318951397311
TGCT	PHF12	cg13564075	-0.053102366471115	156	-0.659914127749182	0.510294687538972	0.0028198613248326	0.692626100015821
TGCT	PHF14	cg06715026	-0.0222456761524962	156	-0.276129913761926	0.782818498735517	0.000494870107481737	0.880075469899429
TGCT	PHF14	cg07287563	-0.0511399718683877	156	-0.635461865833191	0.526070356243951	0.00261529672269948	0.704827729636985
TGCT	PHF14	cg07574654	-0.0897214054398932	156	-1.11792205001858	0.265341195389383	0.0080499305941097	0.461025437846109
TGCT	PHF14	cg11931558	-0.0951748704035507	156	-1.18647500264778	0.23726194909939	0.00905825595633267	0.42868081812626
TGCT	PHF14	cg13029706	-0.0995572441557674	156	-1.24164158780364	0.216256595536711	0.00991164486389107	0.403517835392471
TGCT	PHF14	cg16800461	-0.117686976312834	156	-1.47067708334234	0.143418747088426	0.0138502243936575	0.306303857542815
TGCT	PHF14	cg20819769	0.134884623359821	156	1.68931225444039	0.09318317528428	0.0181938616189207	0.226439206843706
TGCT	PHF14	cg20964328	-0.0422036788172909	156	-0.524200929221466	0.600892457040363	0.00178115050571304	0.760824657850589
TGCT	PHF14	cg22876561	-0.0626676592860386	156	-0.779216789030962	0.437047803384522	0.00392723552039101	0.630020694817023
TGCT	PHF14	cg23083824	-0.0902054066736155	156	-1.12400200945631	0.262761188785963	0.00813701539315236	0.45815949256803
TGCT	PHF14	cg24491907	0.0643067106612175	156	0.79968048609107	0.425127701793791	0.00413535303606554	0.620015074294317
TGCT	PHF19	cg11054680	-0.00730999420877426	156	-0.0907170662966246	0.927835295888567	5.34360153323132e-05	0.961966281493482
TGCT	PHF19	cg11594303	-0.0840218089188968	156	-1.04638332730952	0.297023666369704	0.0070596643740036	0.49507550621483
TGCT	PHF19	cg13501527	0.445278891923367	156	6.17133742748654	5.7313480675499e-09	0.198273291592501	1.64283158278179e-07
TGCT	PHF19	cg13793166	-0.0705753445586852	156	-0.875151032102	0.38286350068084	0.00498087925957714	0.581137968702983
TGCT	PHF19	cg13851767	0.0468907037049821	156	0.582539107893063	0.561055558920412	0.00219873809394842	0.731586590460064
TGCT	PHF19	cg13852822	0.283675469736844	156	3.67112870168811	0.000332436639340705	0.080471772130419	0.00266175132985496
TGCT	PHF19	cg14218513	-0.0357077238364132	156	-0.443403968855487	0.658095865586216	0.00127504154157755	0.800999918132114
TGCT	PHF19	cg27207079	0.167308607939319	156	2.10592919104438	0.036832509087559	0.0279921702905929	0.115208403842128
TGCT	PHF20	cg01512265	-0.264524720644426	156	-3.40391669487997	0.000846921308943934	0.0699733278320115	0.00584504935308591
TGCT	PHF20	cg02674305	-0.178607721853616	156	-2.25268590944786	0.0256918735066574	0.0319007183057385	0.0879581748702596
TGCT	PHF20	cg02957488	0.316463935623331	156	4.13999088890586	5.70279440917384e-05	0.100149422550208	0.000594616255551896
TGCT	PHF20	cg04179482	0.242247630598239	156	3.09850469335946	0.00231250866356015	0.058683914530461	0.013371435927828
TGCT	PHF20	cg09692677	0.0416676352952128	156	0.517531217522635	0.605527980412207	0.00173619183109486	0.764169160148388
TGCT	PHF20	cg10372813	-0.237121945308351	156	-3.02899316385734	0.00287815844127869	0.0562268169468164	0.0159248547497038
TGCT	PHF20	cg21765224	0.00616050369604778	156	0.0764512911089144	0.939159295955508	3.79518057890184e-05	0.967502592459284
TGCT	PHF20	cg23538717	0.0495732770482436	156	0.615945501344455	0.53883980315506	0.00245750979730192	0.714452350996731
TGCT	PHF20	cg23734815	-0.00793023684725589	156	-0.0984147458440828	0.921730946775203	6.2888656453575e-05	0.959007388883481
TGCT	PHF20	cg25561939	0.0315753701021933	156	0.392035517444084	0.695573970055931	0.00099700399709048	0.825474149172124
TGCT	PHF20	cg27405321	-0.173234465515482	156	-2.18278556306253	0.0305661912729898	0.0300101800424348	0.100082759539163
TGCT	PHF20L1	cg02898212	0.17954400021863	156	2.26488698859227	0.0249145297208576	0.0322360480145073	0.0859779499225656
TGCT	PHF20L1	cg05307234	-0.0730732542842398	156	-0.909246037955277	0.364641070545678	0.00533970049168917	0.56358763407871
TGCT	PHF20L1	cg10591701	-0.340724784286088	156	-4.49739354327693	1.34666540689702e-05	0.116093378626801	0.000169683331169658
TGCT	PHF20L1	cg17646969	-0.131390850375298	156	-1.64477672930853	0.102055578072745	0.017263555562344	0.241705837385184
TGCT	PHF20L1	cg24511731	-0.1045908869747	156	-1.30509679582271	0.193806550494459	0.0109392536381546	0.37494380753377
TGCT	PHF20L1	cg26292018	0.0181660770039761	156	0.225472293761913	0.821910814182224	0.00033000635371439	0.904386593830712
TGCT	PHF20L1	cg27342122	-0.0473475040813042	156	-0.588226782865729	0.557241750194325	0.00224178614272911	0.728486811881246
TGCT	PHF21B	cg01775414	-0.266414280222621	156	-3.43008219040117	0.000774587590687866	0.070976568706537	0.00541966432888017
TGCT	PHF21B	cg01995480	-0.00046004892115836	156	-0.0057090575769123	0.995452244671332	2.11645009858979e-07	0.99765803408778
TGCT	PHF21B	cg05064352	0.0308071848967954	156	0.382488660281564	0.702626298903358	0.000949082641265341	0.82986482165016
TGCT	PHF21B	cg10080155	-0.043965301593715	156	-0.546123113551661	0.585771601833205	0.00193294774422632	0.750140185570099
TGCT	PHF21B	cg11428482	-0.0813778586099688	156	-1.01323323585585	0.312538050671724	0.00662235587194407	0.511566179111737

TGCT	PHF21B	cg14786713	-0.0012910723567955	156	-0.0160217999543094	0.987237738265798	1.66686783048149e-06	0.993251330272358
TGCT	PHF21B	cg15679813	-0.0880806877773194	156	-1.09731748633424	0.274215450276159	0.00775820755932562	0.470683481284664
TGCT	PHF21B	cg20495645	-0.160701159636812	156	-2.02050928444104	0.0450637715903413	0.0258248627086161	0.133718238055423
TGCT	PHF21B	cg20525183	0.125981040411235	156	1.57593966090352	0.117091769364729	0.0158712225430973	0.266237128250415
TGCT	PHF21B	cg21715212	-0.00632412335996459	156	-0.078481876432967	0.93754662910456	3.99945362720499e-05	0.966583649821225
TGCT	PHF21B	cg23080354	-0.1556479766656	156	-1.9553715139671	0.0523493933562475	0.0242262926400951	0.149196538201785
TGCT	PHF21B	cg25561581	0.064302260699686	156	0.799624919218166	0.425159807712665	0.00413478073109039	0.620015074294317
TGCT	PHF21B	cg25976257	-0.163907604068154	156	-2.06192599003313	0.0408953372556953	0.0268657026713628	0.124361342602985
TGCT	PHF23	cg00039960	0.339593959390805	156	4.4805178120258	1.44432679375674e-05	0.115324057254724	0.000180410980400629
TGCT	PHF23	cg01441172	0.208203261105643	156	2.64162418384651	0.00910223215453544	0.0433485979350246	0.0396805294609095
TGCT	PHF23	cg04379155	-0.271301167990738	156	-3.49795134373896	0.000613036203304815	0.0736043237531384	0.00445539409565534
TGCT	PHF23	cg11180288	0.0791195525461737	156	0.984935466316466	0.326200675610373	0.00625990359510674	0.525697202486605
TGCT	PHF23	cg13351208	0.0490645937859996	156	0.609609805912547	0.543018696502209	0.00240733436338515	0.717500118269415
TGCT	PHF23	cg22033559	-0.34134880140499	156	-4.50671543628513	1.29547884186483e-05	0.116519004220623	0.000164137591244353
TGCT	PHF23	cg26213471	-0.320733506160633	156	-4.20220270578495	4.46270184070932e-05	0.102869981974093	0.00048098008276449
TGCT	PHF23	cg26784276	0.341283295102321	156	4.50573655247961	1.30076453783894e-05	0.116474287515898	0.00016467319195548
TGCT	PHIP	cg01492710	0.117395443985932	156	1.46698297087059	0.144419873431418	0.0137816902686541	0.307732329938474
TGCT	PHIP	cg04480383	-0.0177693398834747	156	-0.220546530329253	0.825737654808093	0.000315749439894444	0.906304066305777
TGCT	PHIP	cg05801338	-0.0356113662583075	156	-0.442205918315823	0.658960601572808	0.00126816940678332	0.801574154126517
TGCT	PHIP	cg06848288	0.046383163410911	156	0.576220093672173	0.565307608037841	0.00215139784800327	0.734768174203608
TGCT	PHIP	cg08287994	-0.090780272444209	156	-1.13122444073345	0.259719172232509	0.00824105786504481	0.454659044637723
TGCT	PHIP	cg08587415	-0.0912641871655919	156	-1.13730507545656	0.257177228682859	0.00832915185899619	0.451624166563943
TGCT	PHIP	cg15564972	0.0208395637173315	156	0.258668358963125	0.7962365388624	0.000434287415928719	0.888445572350281
TGCT	PHIP	cg19494004	-0.0434309506329358	156	-0.539472953389774	0.590339691660631	0.00188624747288051	0.753336274614466
TGCT	PHIP	cg19950079	0.0257762335389169	156	0.319980963653933	0.749416471919408	0.000664414215452784	0.859593587326487
TGCT	PHIP	cg21607066	-0.110421186675117	156	-1.37872193557924	0.169979891118077	0.0121928384667409	0.343648702934271
TGCT	PHIP	cg21875336	0.0848145143165752	156	1.05632664427396	0.292473286124877	0.00719350183875653	0.49017960705773
TGCT	PHIP	cg26363168	0.0751985538651787	156	0.935839265869957	0.350821147151073	0.00565482250341419	0.549783048719216
TGCT	PHRF1	cg06063517	0.0754025738779163	156	0.938392775109227	0.349512014667932	0.00568554814741463	0.548571323899468
TGCT	PHRF1	cg07530960	-0.205911623973318	156	-2.61125367435727	0.00991304780764939	0.0423995968873289	0.0423211305646074
TGCT	PHRF1	cg08482978	-0.222566843770182	156	-2.83304185947769	0.00522833952473941	0.0495359999458207	0.0256954605463123
TGCT	PHRF1	cg12469954	-0.25921484146719	156	-3.33061298425026	0.0010846752339818	0.0671923340368603	0.00718304707003082
TGCT	PHRF1	cg12813709	-0.127006193626856	156	-1.58897303839936	0.114117402151145	0.0161305732195824	0.261530392780855
TGCT	PHRF1	cg15219216	0.10809668200604	156	1.34935122304837	0.179204611859613	0.0116848926607149	0.355953841618156
TGCT	PHRF1	cg16143007	-0.157258852753352	156	-1.97611906473317	0.0499277729710077	0.0247303467693003	0.144111055599086
TGCT	PHRF1	cg18793109	-0.130351412456667	156	-1.63153901386242	0.104819928635509	0.0169914907294481	0.246355333180387
TGCT	PHRF1	cg20152424	0.0666141122782975	156	0.828499646079296	0.40866978038129	0.00443743995462562	0.604618631755773
TGCT	PHRF1	cg21006161	-0.192742517437691	156	-2.43757786490866	0.0159245389412477	0.0371496780282186	0.0610804448474227
TGCT	PPARGC	cg04893087	0.0722233765157053	156	0.898615282219801	0.370260468703131	0.00521621611532933	0.568935034018555
TGCT	PPARGC	cg05158538	-0.0645704673455849	156	-0.802974113535566	0.423227236127885	0.00416934525322725	0.618309802800168
TGCT	PPARGC	cg11270806	-0.177364973953534	156	-2.23650083998724	0.0267556770867636	0.0314583339855379	0.0906349289478637
TGCT	PPARGC	cg12691631	-0.0171610672902557	156	-0.212994610492413	0.831612860807984	0.000294502230540683	0.909713206794132
TGCT	PPARGC	cg20723350	0.125358017756634	156	1.5680213156104	0.118928631735571	0.0157146326158726	0.269108027261112
TGCT	PPARGC	cg27461259	-0.160552425789498	156	-2.01858973796239	0.0452654364238565	0.0257770814268922	0.134193794487919
TGCT	PPARGC	cg27514608	-0.104190590547654	156	-1.30004692713162	0.195527303879973	0.0108556791586689	0.377300039142717
TGCT	PRDM1	cg00555933	-0.174299383894572	156	-2.19662282271381	0.029542093866867	0.0303802752260274	0.0975921546680983
TGCT	PRDM1	cg01761420	-0.157344120048593	156	-1.97721772834219	0.0498022271974265	0.0247571721138659	0.143871456890215
TGCT	PRDM1	cg05170275	-0.0753593909008158	156	-0.937852288199662	0.349788849787098	0.00567903779694197	0.548862214908336
TGCT	PRDM1	cg08742502	-0.572210205285487	156	-8.6585554809692	6.03162725204221e-15	0.327424519032859	4.65500407187869e-13
TGCT	PRDM1	cg14359052	-0.505432228011824	156	-7.26908554960227	1.70350004268597e-11	0.255461737112997	7.73174342594587e-10
TGCT	PRDM1	cg17143179	-0.604124724964004	156	-9.40781384660296	6.87008048677838e-17	0.364966683312834	6.72538835104481e-15
TGCT	PRDM1	cg17521665	-0.518150839680577	156	-7.51802129244901	4.27699978426063e-12	0.268480292661687	2.17325226137669e-10
TGCT	PRDM1	cg17965230	-0.351880364629393	156	-4.66507547159322	6.65126694277457e-06	0.123819791011715	9.13539301811802e-05
TGCT	PRDM1	cg19464016	0.23319733661382	156	2.97595151302208	0.00339276600482901	0.0543809978037794	0.0181831878048157
TGCT	PRDM1	cg22186515	0.0115242571499509	156	0.143021767812147	0.886459951603653	0.000132808502858195	0.939767317316644
TGCT	PRDM1	cg22196848	-0.0660407943834565	156	-0.821337748488724	0.412723598454158	0.00436138652279798	0.608348547086717
TGCT	PRDM1	cg24040346	-0.322938611753082	156	-4.23444469157207	3.92616149046732e-05	0.104289346961008	0.000430670906640461

TGCT	PRDM1	cg24793124	-0.673660782303313	156	-11.3118404729407	5.63210562145683e-22	0.453818849613511	8.85713495752951e-20
TGCT	PRDM1	cg24874254	-0.570262221584575	156	-8.6148377559895	7.80425725781098e-15	0.325199001366575	5.91162988426628e-13
TGCT	PRDM1	cg26351406	-0.0967429030006008	156	-1.2062056767025	0.229587999872459	0.00935918928098365	0.41963650350261
TGCT	PRDM10	cg04181189	-0.316223879958637	156	-4.1365014006549	5.7813263596039e-05	0.0999975422560945	0.000602239559211336
TGCT	PRDM10	cg17627813	-0.342649108073491	156	-4.5261617900178	1.1946635526071e-05	0.117408411263559	0.000153109812869056
TGCT	PRDM12	cg09191327	0.0250669849406009	156	0.311170880456365	0.756091530771822	0.000628353734012313	0.863936438536244
TGCT	PRDM12	cg12539975	0.0410309904154677	156	0.509610356393129	0.61105397364414	0.0016835421744742	0.768090174759202
TGCT	PRDM12	cg13795948	-0.0380079371857074	156	-0.472007151190218	0.637589802835649	0.00144460328911268	0.786859254070434
TGCT	PRDM12	cg13928649	-0.0386484657042268	156	-0.479973449376394	0.631927288879083	0.0014937039012908	0.783004451947302
TGCT	PRDM12	cg23342516	0.000982091774355785	156	0.0121874442875897	0.990291841339055	9.64504253257295e-07	0.994732410190131
TGCT	PRDM13	cg00126261	-0.284202034545703	156	-3.67854130054101	0.000323686043066038	0.0807707964399169	0.00260428503819209
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TGCT	PRDM13	cg01422797	-0.238728924987778	156	-3.05075687780262	0.00268863869864828	0.0569914996258199	0.0150865521438722
TGCT	PRDM13	cg01815538	0.0784335877781752	156	0.976343007157669	0.330425704173487	0.00615182769175671	0.530145717171291
TGCT	PRDM13	cg02400433	0.0978673190997173	156	1.22035986307438	0.224193871417881	0.00957801214776588	0.413369768188315
TGCT	PRDM13	cg03120185	-0.272164678059222	156	-3.50997393105267	0.000587948087581969	0.0740736119830797	0.00430046485408536
TGCT	PRDM13	cg04910970	-0.33983173919319	156	-4.48406446319007	1.42325212060887e-05	0.115485610963068	0.000178093092280274
TGCT	PRDM13	cg11809464	-0.211572342558184	156	-2.68635654957865	0.00801662248297604	0.0447628561355575	0.0359885238294557
TGCT	PRDM13	cg13738144	0.191151303009185	156	2.41668759614455	0.0168317654519342	0.0365388206421092	0.0637518365097706
TGCT	PRDM13	cg14344102	0.0243796427014258	156	0.30263336053653	0.762577668900253	0.000594366978249184	0.86798202078257
TGCT	PRDM13	cg17879189	-0.283238682034739	156	-3.66498266089785	0.000339861072437465	0.0802241510007758	0.00271379329243011
TGCT	PRDM13	cg17978124	-0.188634503517728	156	-2.3836860767858	0.0183584559297604	0.0355829759173797	0.0681480040368269
TGCT	PRDM13	cg25273233	-0.241822000287577	156	-3.09272215688296	0.00235531838959503	0.058477879823085	0.0135695503814083
TGCT	PRDM13	cg25924096	-0.0245008489472538	156	-0.304138839183872	0.761432686215254	0.000600291599136146	0.867338668883952
TGCT	PRDM13	cg26507427	-0.313293031146543	156	-4.09396898084979	6.82558736284339e-05	0.0981525233649889	0.000694649062408475
TGCT	PRDM14	cg00384539	-0.162944746653559	156	-2.04948205472753	0.042111639013843	0.0265509904619926	0.127130771292751
TGCT	PRDM14	cg01295203	-0.188432026151672	156	-2.38103322032632	0.018486337857539	0.0355066284796246	0.068505033453503
TGCT	PRDM14	cg04838988	-0.140109078566169	156	-1.7560292817897	0.0810713708496536	0.019630553896661	0.20486175637874
TGCT	PRDM14	cg09050331	-0.300811069297648	156	-3.91426108250939	0.000135812177277981	0.0904872994119943	0.00125152481866421
TGCT	PRDM14	cg10457247	-0.194392572732991	156	-2.45926172237144	0.0150290268387433	0.0377884723337512	0.0584646603912051
TGCT	PRDM14	cg11229513	-0.121769035769852	156	-1.52244331275125	0.129948796535011	0.0148276980723195	0.286048404902087
TGCT	PRDM14	cg13267264	-0.16239471503569	156	-2.04237616769527	0.0428199527008601	0.0263720434715231	0.128709769441985
TGCT	PRDM14	cg18035229	-0.140429430361772	156	-1.76012502500366	0.0803719582324404	0.0197204249117318	0.203669699949004
TGCT	PRDM14	cg21255438	-0.185218097956269	156	-2.3389662557953	0.0206220098518186	0.0343057438105381	0.0745581927969687
TGCT	PRDM14	cg27029821	-0.208861428084625	156	-2.65035508970957	0.00888046924580526	0.043623096141549	0.0389451053897161
TGCT	PRDM4	cg00090609	-0.214300864407505	156	-2.72265738281276	0.0072232295538119	0.0459248604858037	0.0332204504823673
TGCT	PRDM4	cg03909902	-0.0632028174358697	156	-0.785897580293259	0.433135031734185	0.00399459613183188	0.626784476250101
TGCT	PRDM4	cg12900929	-0.0132272944068346	156	-0.164160768328603	0.869819844458758	0.000174961317325078	0.930907908759574
TGCT	PRDM4	cg18440127	-0.112160938855286	156	-1.40071910869364	0.163309822708845	0.0125800762048992	0.334284634568688
TGCT	PRDM4	cg25995916	-0.131972374433579	156	-1.65218510812883	0.100534287396397	0.0174167076136368	0.239114637926536
TGCT	PRDM4	cg27140793	0.00987616265827935	156	0.12256593306381	0.90261063495825	9.75385888527914e-05	0.948529993322291
TGCT	PRDM5	cg05713693	0.0217360837213308	156	0.269801447689977	0.787674200477196	0.000472457335540703	0.883071433231345
TGCT	PRDM5	cg06329345	0.372707813999903	156	4.98430794765929	1.65567922664498e-06	0.138911114616587	2.6727933130861e-05
TGCT	PRDM5	cg07070341	-0.201804483479587	156	-2.55693459518241	0.011526667828851	0.040725049552463	0.0476438869920641
TGCT	PRDM5	cg10416963	0.543499945620721	156	8.03500477753683	2.27940625606441e-13	0.295392190889726	1.42543513090253e-11
TGCT	PRDM5	cg11171429	0.0617284093602413	156	0.767493036821574	0.443963558315802	0.00381039652214553	0.635986284677145
TGCT	PRDM5	cg13155001	-0.354155622794824	156	-4.69954996790598	5.74085913212521e-06	0.12542620515719	8.04113063241895e-05
TGCT	PRDM5	cg18181323	-0.326565640585321	156	-4.28764520963292	3.17339954952091e-05	0.106645117610901	0.000358044154540145
TGCT	PRDM5	cg19294653	-0.0405631702505775	156	-0.503790336431917	0.615128641771882	0.00164537078077733	0.770994531039068
TGCT	PRDM5	cg22135105	-0.26661965374649	156	-3.43292863799369	0.000767077873551389	0.071086039763898	0.00537410447541938
TGCT	PRDM8	cg01304890	-0.0856470408844064	156	-1.06677163435761	0.287744487602765	0.00733541561225519	0.485259572080199
TGCT	PRDM8	cg02895669	-0.0316155756036035	156	-0.392535202642735	0.695205573962203	0.000999544620747166	0.825298301051116
TGCT	PRDM8	cg04343891	-0.122152144710336	156	-1.52730565180446	0.128736299531245	0.0149211464573348	0.284159337354832
TGCT	PRDM8	cg05007549	0.0667240825977777	156	0.829873491307341	0.407894893781633	0.00445210319851505	0.603989100383509
TGCT	PRDM8	cg07462804	-0.0938284258276923	156	-1.16953970557725	0.243993204077194	0.00880377349330276	0.436680868658552
TGCT	PRDM8	cg08074201	-0.192058429932703	156	-2.42859438177544	0.0163092159980843	0.0368864405082149	0.0622123737057455
TGCT	PRDM8	cg10695325	-0.220731332952707	156	-2.80847584630949	0.00562287273677092	0.0487223213470787	0.0272485701809035

TGCT	PRDM8	cg11571772	0.0827361630937957	156	1.03026104682375	0.304502837320896	0.00684527268348315	0.503054711724262
TGCT	PRDM8	cg12572049	-0.231449080324582	156	-2.95237328698502	0.00364762420656634	0.0535686767830948	0.0192542881079363
TGCT	PRDM8	cg14489346	-0.0486419629547549	156	-0.604346263057769	0.54650277290072	0.00236604056009175	0.720086663759737
TGCT	PRDM8	cg15656813	-0.0833954348263116	156	-1.03852780662997	0.300652232409526	0.00695479854986959	0.498936404024437
TGCT	PRDM8	cg16117799	0.101196497594803	156	1.26229555676626	0.208750701327496	0.0102407311254549	0.393972636076448
TGCT	PRDM8	cg18624348	-0.151534099891684	156	-1.90245825583664	0.058977864532158	0.0229625834299828	0.162589886013491
TGCT	PRDM8	cg19595012	-0.159825956521207	156	-2.00921601253154	0.0462612956424588	0.0255443363779187	0.136304633307179
TGCT	PRDM8	cg20142271	-0.13283795929462	156	-1.66321552329232	0.0983030934994751	0.0176459234295592	0.235182853352933
TGCT	PRDM8	cg26162932	-0.206174424496645	156	-2.6147342168168	0.00981693854194058	0.0425078933165227	0.0419937918697326
TGCT	PRKAA1	cg00301775	-0.163623393573966	156	-2.05825223549058	0.0412512526313997	0.026772614924661	0.125174550345482
TGCT	PRKAA1	cg01883943	-0.0872595330168179	156	-1.08700859961201	0.278731431529533	0.00761422610231313	0.475655097688779
TGCT	PRKAA1	cg03125217	0.159134227212518	156	2.00029365510787	0.0472264446417234	0.0253237022705252	0.138419638100302
TGCT	PRKAA1	cg05874655	0.0682581370315918	156	0.849041429057067	0.397176123490099	0.00465917327102357	0.5937902136625
TGCT	PRKAA1	cg06971720	-0.108364107322887	156	-1.35272906090774	0.17812495678787	0.0117427797558862	0.354717851999375
TGCT	PRKAA1	cg10786880	-0.10682702345318	156	-1.33331825035908	0.184396298592313	0.0114120129398662	0.362825822376642
TGCT	PRKAA1	cg24728477	-0.126611201656178	156	-1.58395066209221	0.115256374748163	0.0160303963848215	0.263279990771258
TGCT	PRKCD	cg02121118	0.0662140842821174	156	0.823502402575472	0.411495818418071	0.00438430495731935	0.607240656676507
TGCT	PRKCD	cg02559423	0.0766294761946429	156	0.953751164130309	0.341704255355174	0.00587207662186534	0.540867193804436
TGCT	PRKCD	cg02630105	-0.166558297101609	156	-2.09621485913352	0.0376982771514016	0.0277416663333879	0.117251710087803
TGCT	PRKCD	cg10531918	0.209784573082128	156	2.66260740637673	0.00857747978412663	0.0440095671032508	0.0379048206274907
TGCT	PRKCD	cg13469346	0.0752395767743066	156	0.936352698042883	0.350557669065223	0.00566099391317678	0.549576939978823
TGCT	PRKCD	cg13889007	0.127467961759304	156	1.59484545694406	0.112797024156132	0.0162480812750714	0.259622166353136
TGCT	PRKCD	cg13908523	-0.0790880566229393	156	-0.984540914679069	0.326393901952907	0.00625492070039326	0.525868594515691
TGCT	PRKCD	cg14727059	-0.0272029087214341	156	-0.337704192833634	0.736045995656831	0.000739998242906674	0.851120194216771
TGCT	PRKCD	cg21903826	-0.0313843606909731	156	-0.389661625124453	0.697325127277744	0.000984978095981097	0.82644288469599
TGCT	PRMT1	cg07702240	0.0912662435506373	156	1.13733091671151	0.257166463358125	0.00832952721184424	0.45162327532805
TGCT	PRMT1	cg08377944	-0.109175652352297	156	-1.36298147427153	0.174877926041891	0.0119193230665496	0.350339366349919
TGCT	PRMT1	cg11787855	0.13182194669904	156	1.65026855414762	0.100926085753587	0.0173770256315245	0.239817554708935
TGCT	PRMT1	cg14258555	-0.0100091111602347	156	-0.124216025264742	0.901306220023474	0.000100182306217935	0.947943494099286
TGCT	PRMT1	cg14576628	0.150760619238619	156	1.89252103332788	0.0602981085991805	0.022728764313212	0.165269036407873
TGCT	PRMT1	cg18880319	-0.012356848197533	156	-0.153356161977739	0.878318178514729	0.000152691697376874	0.935408422792357
TGCT	PRMT1	cg22292364	0.021631059748423	156	0.268497214736453	0.788675955014822	0.000467902745839846	0.883774213796912
TGCT	PRMT1	cg24228123	-0.081553085432377	156	-1.01542957160698	0.311493775461376	0.00665090574354057	0.510370080897681
TGCT	PRMT1	cg25595446	-0.149130604148695	156	-1.87159118269815	0.0631598501307797	0.0222399370937547	0.170909787143783
TGCT	PRMT1	cg26846726	0.0776078407434872	156	0.966001471898986	0.335557989260603	0.00602297694486648	0.535134544526339
TGCT	PRMT2	cg04493422	0.164367391752953	156	2.06787040373959	0.040325005141405	0.0270166394716689	0.123151707689336
TGCT	PRMT2	cg06725035	-0.155636896938306	156	-1.95522886631993	0.0523663803018589	0.0242228436885849	0.149234016748583
TGCT	PRMT2	cg09031657	-0.152622593536823	156	-1.9164486426356	0.0571602656000875	0.0232936560579063	0.15893083034037
TGCT	PRMT2	cg10187059	-0.00127420237565472	156	-0.0158124484773065	0.987404484371103	1.62359169412413e-06	0.993303476661222
TGCT	PRMT2	cg10657630	-0.19162544583188	156	-2.42291030594596	0.0165568486007763	0.0367203114902669	0.0629342148340098
TGCT	PRMT2	cg12162201	-0.169683314280956	156	-2.1366995998057	0.0342021242165703	0.0287924271453695	0.108876342225381
TGCT	PRMT2	cg13271076	0.142632016841213	156	1.78830074892021	0.0756935729117949	0.020343892228192	0.195158115238795
TGCT	PRMT2	cg17243659	-0.138534809041549	156	-1.7302649184032	0.0855993361314217	0.0191918933161783	0.213105310900148
TGCT	PRMT2	cg23283320	-0.170619354999181	156	-2.14883890302887	0.0332099004952342	0.0291109643003364	0.106502226033731
TGCT	PRMT3	cg01769160	-0.120817545358244	156	-1.51037017707535	0.13299812050998	0.0145968792663914	0.290704273185731
TGCT	PRMT3	cg04101203	-0.156800681531373	156	-1.97021633329665	0.0506068819626615	0.0245864537287031	0.145617390716204
TGCT	PRMT3	cg06578097	0.188048746235923	156	2.37601235228159	0.0187305270007559	0.0353623309609025	0.0692022519707828
TGCT	PRMT3	cg13432154	-0.208151050442044	156	-2.64093174471435	0.00912003181941947	0.0433268598001265	0.0397376670056234
TGCT	PRMT3	cg13982511	-0.0939181090984339	156	-1.17066752058974	0.24354076593388	0.00882061121662533	0.436208854476899
TGCT	PRMT3	cg19653624	-0.127956468249535	156	-1.60105906134134	0.111413201386578	0.0163728577668943	0.257196907583828
TGCT	PRMT3	cg23019633	-0.0352259569762632	156	-0.437414100774171	0.662423863599803	0.00124086804489355	0.80366492069622
TGCT	PRMT3	cg23071995	-0.124945393677562	156	-1.56277808221535	0.120157433670181	0.0156113514012409	0.270947386462038
TGCT	PRMT6	cg00944433	-0.04382919823705	156	-0.54442922155388	0.586933587008243	0.00192099861810263	0.750888923733613
TGCT	PRMT6	cg02990361	-0.0239191076613889	156	-0.29691326769337	0.766932816389076	0.000572123711317114	0.870798679386583
TGCT	PRMT6	cg02993280	-0.0356080790441066	156	-0.44216504734524	0.658990109794014	0.00126793529321134	0.801574154126517
TGCT	PRMT6	cg09367891	-0.0798572311743843	156	-0.994177269668172	0.321696106643424	0.00637717737083906	0.52117399090127
TGCT	PRMT6	cg14671364	0.00270331711502415	156	0.0335474057402314	0.973281504454278	7.30792342438252e-06	0.985955430860693

TGCT	PRMT6	cg14828511	-0.00701317197189301	156	-0.0870333157693103	0.930758093292063	4.91845811073457e-05	0.963372900695398
TGCT	PRMT6	cg22528358	0.0293505623825836	156	0.364387886287118	0.716068231369725	0.000861455512173931	0.838564082360024
TGCT	PRMT7	cg00894222	-0.354460430420355	156	-4.70417560905646	5.62827347119872e-06	0.125642196733783	7.9047825675832e-05
TGCT	PRMT7	cg02477175	-0.309909837089359	156	-4.04503330753197	8.24997933612643e-05	0.0960441071247529	0.000814879243873311
TGCT	PRMT7	cg06089844	-0.273024509489812	156	-3.5219544006105	0.000563910302151073	0.0745423827821523	0.00414874579587106
TGCT	PRMT7	cg06092312	0.343673595887336	156	4.54150396518015	1.1205038915475e-05	0.118111540510132	0.00014472601650182
TGCT	PRMT7	cg06745885	-0.35051763034552	156	-4.64447270708624	7.26033599877098e-06	0.122862609183038	9.84676741088545e-05
TGCT	PRMT7	cg09175928	-0.418879103192015	156	-5.72457319681413	5.26588992953146e-08	0.175459703090946	1.2210272464321e-06
TGCT	PRMT7	cg09779635	-0.44211201630473	156	-6.11673517247577	7.55422401564774e-09	0.195463034961034	2.11926903380202e-07
TGCT	PRMT7	cg10233539	0.176029458846674	156	2.21911991774501	0.0279406575037729	0.0309863703818527	0.0936539924102075
TGCT	PRMT7	cg10446007	-0.0339374160903066	156	-0.421394998450762	0.674054249732602	0.0011517482108866	0.811597303639224
TGCT	PRMT7	cg11893236	-0.00813308688817279	156	-0.100932292261249	0.919735495351132	6.61471023305681e-05	0.957737805980642
TGCT	PRMT7	cg19328639	0.0291934972187954	156	0.362436251001616	0.717522958431456	0.000852260279863817	0.839556120852808
TGCT	PRMT7	cg21918026	-0.0202304817346674	156	-0.251105066472613	0.802067617490345	0.000409272391216711	0.891983736352846
TGCT	PRMT7	cg26492318	-0.24430772407038	156	-3.12651969072291	0.00211511064435295	0.0596862640404488	0.0124295903812353
TGCT	PRMT7	cg26561196	0.062167522410252	156	0.772973805402219	0.440722668931041	0.00386480084262918	0.633323099357569
TGCT	PRMT7	cg26796563	0.0858487449830155	156	1.0693025789528	0.286606526310432	0.00737000701515882	0.483965012107527
TGCT	PRMT8	cg01693063	-0.0298937525388735	156	-0.371137581159706	0.711045132885984	0.000893636440855408	0.835511008829255
TGCT	PRMT8	cg06029846	-0.0642397235613799	156	-0.798844020180557	0.425611153691464	0.00412674208324251	0.620258033575125
TGCT	PRMT8	cg07912789	-0.162753882479927	156	-2.04701604854273	0.0423563075333576	0.02648882626229	0.127661329985278
TGCT	PRMT8	cg10350722	0.167912703859989	156	2.11375320189712	0.0361476969596473	0.0281946761175722	0.113596200253638
TGCT	PRMT8	cg11596580	0.176666973536514	156	2.22741520196637	0.0273695272559536	0.0312112195385512	0.0922004504979713
TGCT	PRMT8	cg19656577	-0.076785854333286	156	-0.955709020592588	0.340717098677686	0.00589606742569261	0.539963860302556
TGCT	PRMT8	cg21667836	0.167240092301351	156	2.10504195793578	0.0369108658306382	0.0279692484729643	0.115379270158262
TGCT	PRMT8	cg23739862	-0.214309821620837	156	-2.72277666091471	0.00722074425874139	0.045928699643155	0.0332109837332699
TGCT	PRMT8	cg24100636	-0.168002479778061	156	-2.11491615288396	0.0360468487734017	0.0282248332115778	0.113380040976752
TGCT	PRMT8	cg27316886	-0.241519337873525	156	-3.08861139383006	0.00238619581788673	0.058331590566866	0.0137078509420086
TGCT	PWWP2E	cg00259755	0.0487549747702061	156	0.605753706553004	0.545570055052599	0.00237704756484343	0.71940600825076
TGCT	PWWP2E	cg05010219	-0.096197681770796	156	-1.19934409598617	0.232236230192027	0.00925399397807534	0.422837443390108
TGCT	PWWP2E	cg15012692	-0.0680528429199067	156	-0.846475941196828	0.39860072821162	0.0046311894294815	0.595188872156755
TGCT	PWWP2E	cg15278699	0.359031419404546	156	4.77375028214489	4.17167310332302e-06	0.128903560119643	6.07054129068296e-05
TGCT	PWWP2E	cg19919881	0.225220370680747	156	2.86861211416375	0.0047017231598253	0.0507242153695729	0.0236191302786678
TGCT	PWWP2E	cg22633292	-0.10406499239337	156	-1.29846259762678	0.196069491405266	0.0108295226418322	0.37800431324568
TGCT	PWWP2E	cg22664157	-0.0930756319094761	156	-1.16007404980064	0.247813983026256	0.00866307325534828	0.441191208889714
TGCT	PWWP2E	cg24520806	-0.102837581689955	156	-1.28298299641149	0.201425536801392	0.0105755682078382	0.384711846257825
TGCT	PYGO1	cg06364757	-0.216825377208651	156	-2.75630351221423	0.00655212778135701	0.0470132442016737	0.0307372748370552
TGCT	PYGO1	cg09275667	-0.217996392742756	156	-2.77193018933673	0.00626013083468877	0.0475224272488539	0.0296656938202893
TGCT	PYGO1	cg11480800	-0.218677131965265	156	-2.78102012090322	0.00609576951124	0.0478196880445541	0.0290447904304162
TGCT	PYGO1	cg12686317	-0.100880991226124	156	-1.25831949490941	0.21018063358981	0.0101769743907653	0.395816703611456
TGCT	PYGO1	cg13878116	-0.0410893308057049	156	-0.510336176352659	0.610546666365352	0.00168833310606065	0.7677502200473
TGCT	PYGO1	cg17841803	-0.220551001133093	156	-2.80606402840083	0.00566303373243459	0.0486427441008096	0.0273959049577409
TGCT	PYGO1	cg19850348	-0.0919497343889925	156	-1.14592071701402	0.253605485074436	0.00845475365420628	0.44760144636604
TGCT	PYGO1	cg22510134	-0.0257279101877525	156	-0.319380689610445	0.749870681578527	0.000661925362629056	0.859897402752358
TGCT	PYGO1	cg23030278	-0.0776161922549024	156	-0.966106054959379	0.335505828826019	0.00602427330014997	0.535075269414294
TGCT	PYGO1	cg23412777	0.00479298190562659	156	0.0594800244515408	0.952646890625808	2.29726755476639e-05	0.975031922660075
TGCT	PYGO1	cg25902187	-0.0514481595003477	156	-0.639301517494477	0.523576602651776	0.00264691311597321	0.70291129876349
TGCT	PYGO2	cg01277844	-0.282120884397475	156	-3.64926540687618	0.000359566410593728	0.0795921934132133	0.0028441728448462
TGCT	PYGO2	cg02341811	0.041588344878903	156	0.516544686118485	0.606215001490012	0.00172959042976658	0.76465163884741
TGCT	PYGO2	cg04602755	-0.566684064360018	156	-8.53509416727166	1.24727378663989e-14	0.32113082879959	9.26747057859251e-13
TGCT	PYGO2	cg10892866	-0.00147274991332276	156	-0.0182763656071557	0.985442039181596	2.16899230719219e-06	0.992381657581867
TGCT	PYGO2	cg14024356	-0.0597272193897145	156	-0.742520896198223	0.458902871933	0.00356734073602709	0.648818667226316
TGCT	PYGO2	cg18188585	-0.185984395632962	156	-2.34898917632634	0.020094346419382	0.0345901954189582	0.0731057188116451
TGCT	PYGO2	cg24683561	-0.253376947963072	156	-3.25039328565814	0.00141550887771048	0.0641998777590814	0.00896095495699922
TGCT	PYGO2	cg27105205	0.0333184956902205	156	0.41370135117335	0.679668390384259	0.00111012215505924	0.815172350399614
TGCT	RBBP4	cg05797186	-0.335749060778339	156	-4.42330248688298	1.82879584219145e-05	0.112727431813536	0.000221810638832931
TGCT	RBBP4	cg06526778	-0.200626234953692	156	-2.54137775151917	0.012030281792419	0.0402508861516941	0.0492285383072667
TGCT	RBBP4	cg09036220	-0.149133117742752	156	-1.87162344588844	0.0631553530337472	0.0222406868076735	0.170909787143783

TGCT	RBBP4	cg11229946	-0.0405948458511316	156	-0.504184393210472	0.614852377126285	0.00164794150967714	0.770884248100861
TGCT	RBBP4	cg13641837	0.132196661685175	156	1.65504289951376	0.0999523476652758	0.0174759573607045	0.238167512076466
TGCT	RBBP4	cg16148416	-0.0499887890960961	156	-0.62112109730753	0.535438209723549	0.00249887903529398	0.711837447659337
TGCT	RBBP4	cg16396527	-0.156057327540665	156	-1.96064229522196	0.0517249857045626	0.0243538894791344	0.147923510169744
TGCT	RBBP4	cg18758482	-0.279203466248705	156	-3.60831968456575	0.000416089126624032	0.0779545755652917	0.00320741552879409
TGCT	RBBP4	cg20740619	0.223672725715485	156	2.8478579846142	0.00500276998513798	0.0500294882289945	0.0247794147602078
TGCT	RBBP4	cg22358606	0.208619550134955	156	2.64714602390063	0.0089614059772681	0.0435221166985109	0.0392116326337586
TGCT	RBBP4	cg22857567	-0.109627897258403	156	-1.36869597159607	0.173087561956095	0.0120182758572989	0.347964281334793
TGCT	RBBP4	cg23016766	-0.0132483300447398	156	-0.164421882363256	0.869614649562509	0.000175518248974356	0.930841972674516
TGCT	RBBP4	cg26131911	0.119682278328966	156	1.49597068723946	0.136707829075959	0.014323847746012	0.296348227913595
TGCT	RBBP5	cg00960017	-0.00234357745650596	156	-0.0290831112668401	0.976835960822712	5.49235529464296e-06	0.987819635459216
TGCT	RBBP5	cg02189925	0.0526647254646953	156	0.654460282654025	0.513791528260779	0.00277357330827173	0.695350366085474
TGCT	RBBP5	cg03143531	-0.220753614506209	156	-2.8087738682487	0.00561792820116889	0.048732158317556	0.0272331265431838
TGCT	RBBP5	cg05290904	-0.130678255444743	156	-1.63570091611044	0.103944427583889	0.0170768064460815	0.244896962338685
TGCT	RBBP5	cg07601985	-0.073643848308174	156	-0.916384469236546	0.360898071521892	0.00542341639363734	0.559784412084002
TGCT	RBBP5	cg07972983	0.113209464911372	156	1.41398280584023	0.159385359472426	0.0128163829455192	0.328924776343741
TGCT	RBBP5	cg14717946	-0.201012263854308	156	-2.54647336181899	0.0118631960722592	0.0404059302198338	0.048716756165553
TGCT	RBBP5	cg18131828	-0.168646089306235	156	-2.1232550135103	0.0353307942710523	0.0284415034382866	0.11160611562603
TGCT	RBBP5	cg21214746	0.0665734127619185	156	0.827991199884186	0.408956782274932	0.00443201928676878	0.604928200492395
TGCT	RBBP5	cg23227967	0.14611910860683	156	1.83296364185925	0.0687390543935956	0.0213507939000546	0.181899652952425
TGCT	RBBP5	cg24103461	-0.0466070913138061	156	-0.579008001332448	0.563429704864164	0.00217222096073346	0.733335292959725
TGCT	RBBP5	cg26795850	0.0557421382650416	156	0.692818940260355	0.489466648387791	0.00310718597835902	0.675447375673576
TGCT	RBBP7	cg01947226	0.29860883826354	156	3.88278815993874	0.000152853952744026	0.0891672382891012	0.00138397583796191
TGCT	RBBP7	cg03048084	-0.569044453058304	156	-8.58761751802003	9.16030618328197e-15	0.323811589556425	6.87190799635716e-13
TGCT	RBBP7	cg03171708	0.142718561206049	156	1.78940838447939	0.0755143408411861	0.0203685877127248	0.194850994440918
TGCT	RBBP7	cg03811055	-0.505079893839815	156	-7.26228210503398	1.76855481872311e-11	0.255105699161239	7.98508146069331e-10
TGCT	RBBP7	cg07096248	-0.177849878741718	156	-2.24281473381616	0.0263361955361597	0.031630579368444	0.0895853129262158
TGCT	RBBP7	cg08363715	-0.38195950972456	156	-5.12886849789266	8.64749391086297e-07	0.145893067069026	1.50564713809685e-05
TGCT	RBBP7	cg14719055	0.0492069761149593	156	0.611383142391461	0.541847399675596	0.00242132649837817	0.716659468366203
TGCT	RBBP7	cg15289846	0.386225117831085	156	5.19612316906456	6.36624818705332e-07	0.149169841643636	1.1468563992221e-05
TGCT	RBBP7	cg15464143	0.17339928818142	156	2.18492670625749	0.0304057388832819	0.0300673131418232	0.0997000653608444
TGCT	RBBP7	cg16978043	-0.372435695164768	156	-4.98008252373363	1.68710549820839e-06	0.138708347032864	2.71844832493006e-05
TGCT	RBBP7	cg17878446	0.104943545011417	156	1.30954622213787	0.192299725290484	0.0110131476395632	0.372903378349525
TGCT	RBBP7	cg17880859	-0.396092726214101	156	-5.35321843806069	3.08264327853009e-07	0.156889447759719	5.97049940246698e-06
TGCT	RBBP7	cg21122900	0.164405303198531	156	2.06836060763444	0.0402782783707418	0.027029103719801	0.123071814123075
TGCT	RING1	cg01241018	0.086880762987021	156	1.08225422378104	0.280831287010647	0.00754826697720692	0.478010439823785
TGCT	RING1	cg01878788	-0.276580551480893	156	-3.57159985517729	0.000473810368073037	0.0764968014574751	0.00358242820233977
TGCT	RING1	cg02475416	-0.143571326729586	156	-1.80032472422366	0.0737665565462313	0.0206127258588936	0.191516336268773
TGCT	RING1	cg03037740	-0.0679490718295583	156	-0.845179191728328	0.399321988465385	0.00461707636249848	0.595922944902238
TGCT	RING1	cg06316695	-0.0739557076838144	156	-0.920286375976578	0.358862451820211	0.0054694466990138	0.557855998259561
TGCT	RING1	cg06671577	0.0275679041375042	156	0.342238767075833	0.7326378376564	0.000759989338534623	0.84905966217233
TGCT	RING1	cg07946923	-0.186878397737354	156	-2.36068804155027	0.0194935302395787	0.0349235355408807	0.0713839056419594
TGCT	RING1	cg08892712	-0.0738408350517739	156	-0.918849086731125	0.35961143431604	0.00545246892114329	0.558475598395442
TGCT	RING1	cg09478665	-0.246306108366921	156	-3.15373852479388	0.00193837282356413	0.0606666990188575	0.0115901599080286
TGCT	RING1	cg09724776	-0.0702280368314942	156	-0.87366412662554	0.383661516893961	0.0049319771572057	0.581887963138308
TGCT	RING1	cg09832551	-0.189740536024941	156	-2.39818287794647	0.0176733502436992	0.036001471011032	0.0662114427574446
TGCT	RING1	cg09869033	-0.0461380448656012	156	-0.573168461802564	0.567366628593725	0.00212871918402023	0.736033476825925
TGCT	RING1	cg10265934	-0.0622757224740575	156	-0.774324368406799	0.439926161738948	0.00387826560966583	0.632525658270496
TGCT	RING1	cg12065531	0.0219596991137494	156	0.272578429819034	0.785542440710733	0.000482228385166405	0.881663172521442
TGCT	RING1	cg12115664	-0.224511660841896	156	-2.85910539173469	0.00483750498578015	0.0504054858539867	0.0241453139268434
TGCT	RING1	cg12256228	0.142983699777942	156	1.79280201376586	0.0749673770554924	0.0204443384021888	0.193805330530609
TGCT	RING1	cg14046664	-0.133462238251798	156	-1.6711733057496	0.0967183529017263	0.0178121690391797	0.23251998402682
TGCT	RING1	cg14363494	-0.0326449928204012	156	-0.405329743702893	0.68579767905508	0.00106569555624404	0.8191581994857
TGCT	RING1	cg18189601	-0.167771161843808	156	-2.11191978639095	0.0363071793817207	0.0281471627464214	0.11398227251096
TGCT	RING1	cg20505183	0.348873313512337	156	4.61965753486734	8.0656119405439e-06	0.121712588881078	0.000108349112819
TGCT	RING1	cg24536938	-0.0197799180943351	156	-0.245510360363754	0.806388166720156	0.000391245159818603	0.895048525308581
TGCT	RING1	cg24550302	-0.192966826595931	156	-2.44052431072919	0.0158001367992456	0.0372361961665042	0.0607380462598466

TGCT	RNF17	cg00202166	-0.844175435052778	156	-19.5422242610716	1.51239213470899e-43	0.712632165146547	6.8404089376483e-41
TGCT	RNF17	cg01405147	-0.81559537105156	156	-17.4920081080058	2.0114436191311e-38	0.665195809280732	7.82391224533423e-36
TGCT	RNF17	cg07131398	-0.858846720283865	156	-20.7393003150249	2.64527758768541e-46	0.737617688942352	1.3276562881058e-43
TGCT	RNF17	cg12020676	-0.861567177130414	156	-21.0615636988842	3.3673941268402e-47	0.74229800070847	1.74642039135605e-44
TGCT	RNF17	cg14855529	-0.854012778648584	156	-20.3709342344614	1.48561307822242e-45	0.729337826095076	7.13406072884165e-43
TGCT	RNF17	cg15523998	-0.874173873544297	156	-22.3392109776289	3.57879073184158e-50	0.76417996118744	2.10915489540063e-47
TGCT	RNF17	cg17806989	-0.874128789223512	156	-22.3343266366138	3.67226278875925e-50	0.764101140149364	2.14797001044163e-47
TGCT	RNF17	cg20477497	-0.836569637483541	156	-18.9492657504852	4.3548950402922e-42	0.699848758359342	1.88213724869162e-39
TGCT	RNF17	cg21831927	-0.848602811807984	156	-19.9060054001488	1.96663628073995e-44	0.720126732208417	9.10669659665973e-42
TGCT	RNF17	cg23678722	-0.849957479090899	156	-20.020250669206	1.03985751821484e-44	0.722427716262557	4.8731732392774e-42
TGCT	RNF17	cg24753530	-0.810395544208289	156	-17.1651024260562	1.38111308292243e-37	0.656740938072648	5.19044981511437e-35
TGCT	RNF20	cg04845236	0.394198326889254	156	5.322891628555	3.54965828289196e-07	0.155392320922287	6.77150849581406e-06
TGCT	RNF20	cg14625770	0.387017118114227	156	5.20865330630765	6.01147070537865e-07	0.149782249713442	1.08833221329818e-05
TGCT	RNF20	cg21219529	0.162756991036096	156	2.04705620986536	0.042352313161843	0.0264898381311237	0.127654236734305
TGCT	RNF217	cg00991794	-0.126696367697567	156	-1.58503349498165	0.115010050025323	0.0160519695877571	0.262896368711818
TGCT	RNF217	cg02312409	-0.254122904517233	156	-3.26062223379469	0.00136863104102019	0.064578450600275	0.00871643742980964
TGCT	RNF217	cg03113502	-0.0902832597480355	156	-1.12498006432008	0.2623477936698	0.00815106699073124	0.457746473349222
TGCT	RNF217	cg06993703	-0.0556257259440249	156	-0.691367556120323	0.49037549886888	0.00309422138679977	0.67623192453877
TGCT	RNF217	cg07439975	-0.260796079275939	156	-3.35240795725672	0.00100816191434633	0.0680145949657017	0.00675878558812982
TGCT	RNF217	cg10621825	-0.335673749139513	156	-4.42218428990676	1.83721240043531e-05	0.112676865861376	0.000222657892941992
TGCT	RNF217	cg16203203	-0.425844353908987	156	-5.84063913139997	2.98732519630447e-08	0.181343413756163	7.38468307344486e-07
TGCT	RNF217	cg17382198	-0.136891005696011	156	-1.71491673352277	0.0883719801031437	0.0187391474404654	0.218102529112146
TGCT	RNF217	cg18192252	-0.269554393062315	156	-3.47365895884279	0.000666828367668523	0.072659570819193	0.0047864224058318
TGCT	RNF217	cg19171596	-0.22494451380111	156	-2.86491116635869	0.00475416317844363	0.0506000342892178	0.0238261407235891
TGCT	RNF217	cg19478500	-0.353643116172192	156	-4.69177622732065	5.93498779396295e-06	0.125063453615978	8.27579208538365e-05
TGCT	RNF217	cg20034100	0.564811332869507	156	8.49364260086418	1.5906065233592e-14	0.319011841737829	1.16845744927484e-12
TGCT	RNF217	cg23521835	-0.456173304844124	156	-6.36141067898735	2.16864711253422e-09	0.20809408405241	6.72678363127939e-08
TGCT	RNF217	cg24822696	-0.222058637764701	156	-2.82623699958487	0.00533501799993883	0.0493100386059146	0.0261108770234188
TGCT	RPH3A	cg00851732	-0.172870453735069	156	-2.17805750592329	0.0309231041114396	0.0298841937745686	0.100928548825061
TGCT	RPH3A	cg00854817	-0.0461317266367737	156	-0.573089803651187	0.567419749342814	0.00212813620249002	0.736065565789142
TGCT	RPH3A	cg01119407	-0.107728314885731	156	-1.34469887869419	0.180699670429441	0.0116053898281192	0.357839073449444
TGCT	RPH3A	cg01573562	-0.114112926937662	156	-1.4254153012449	0.156060876204999	0.0130217600942802	0.324366045501938
TGCT	RPH3A	cg05967001	-0.137302899181839	156	-1.72017576834772	0.0874092532292815	0.0188520861237382	0.216310187231418
TGCT	RPH3A	cg08254200	-0.19619098098181	156	-2.48291984662837	0.0141033281548539	0.0384909010186049	0.0556507385482476
TGCT	RPH3A	cg09384610	-0.0871397166619764	156	-1.08550459624487	0.279394532095468	0.00759333021992953	0.476451001333541
TGCT	RPH3A	cg11596863	-0.0421560459571824	156	-0.523608239959796	0.601303726783398	0.00177713221074408	0.761023347835223
TGCT	RPH3A	cg16403344	-0.0759926429500883	156	-0.94577873274685	0.345743038501864	0.0057748817825396	0.544995421960323
TGCT	RPH3A	cg17453780	-0.0505714003575535	156	-0.62633510419737	0.532028508157307	0.00255746653412396	0.709572009867982
TGCT	RPH3A	cg18629535	-0.155492267425892	156	-1.9533668808415	0.0525885387629602	0.0241778452292451	0.149682132694288
TGCT	RPH3A	cg19712198	-0.0922229754102515	156	-1.14935514155297	0.25219145974907	0.00850507719351985	0.446038022501288
TGCT	RPH3A	cg20704159	-0.123364744995149	156	-1.54270030195791	0.124955893949943	0.0152188603077182	0.278318172586878
TGCT	RPH3A	cg21900624	-0.0822732710446356	156	-1.02445755152008	0.30722573673929	0.00676889112838408	0.505743545457726
TGCT	RPH3A	cg23199238	-0.0144753357645886	156	-0.179653015569091	0.85766114727053	0.000209535345497579	0.924278489073706
TGCT	RPH3A	cg23549179	0.0702002989406152	156	0.873317347165993	0.3838498575053	0.00492808197135174	0.582034664430643
TGCT	RPH3A	cg23596620	-0.0291296279838308	156	-0.361642642531453	0.718114801612155	0.000848535226476379	0.839921300135839
TGCT	RTF1	cg04910470	-0.215468096034135	156	-2.73820682032613	0.0069056982237202	0.0464265004085753	0.0320710338258068
TGCT	RTF1	cg07091958	-0.0932084142421753	156	-1.16174351301551	0.247137056331425	0.00868780848554095	0.440392618660594
TGCT	RTF1	cg07129439	0.174407762936448	156	2.19803151520493	0.029439526960691	0.0304180677724963	0.0973173429776496
TGCT	RTF1	cg15581235	0.130171870081621	156	1.62925301553525	0.105303322489659	0.0169447157605465	0.2471554282625
TGCT	RTF1	cg18782716	0.064346087939079	156	0.800172194046097	0.42484366074201	0.00414041903306369	0.619769377264891
TGCT	RTF1	cg22263512	-0.0758450841194325	156	-0.943931629692734	0.346683134572047	0.0057524767850838	0.545998594606139
TGCT	RTF1	cg24280607	0.240781734147631	156	3.07859726055557	0.00246298827043451	0.0579758434991403	0.0140628043677198
TGCT	RTF1	cg27576415	0.0322558136908531	156	0.400492519030747	0.689348833957361	0.00104043751685903	0.821419648758982
TGCT	SATB1	cg01069104	-0.0648950965656579	156	-0.807028110953585	0.420894935191434	0.00421137355826606	0.616004450996772
TGCT	SATB1	cg01373248	0.589493745278285	156	9.05628874598122	5.68155394593052e-16	0.347502875722219	4.9606151253616e-14
TGCT	SATB1	cg04004754	-0.0318907708098412	156	-0.395955456848334	0.692685924316601	0.00101702126284582	0.823592119645504
TGCT	SATB1	cg14415616	0.0919432904614225	156	1.14583972507131	0.253638898313093	0.0084535686608735	0.44763122630147

TGCT	SATB1	cg19818826	0.00034659750006783	156	0.004301162120707	0.996573746378555	1.2012982705327e-07	0.998316892964834
TGCT	SATB1	cg26131754	0.0190342499353056	156	0.236251630968878	0.813551346673327	0.00036230267059968	0.899559575062608
TGCT	SATB1	cg26768584	0.505625235191153	156	7.27281451769319	1.6688531608541e-11	0.255656878462109	7.58777105759695e-10
TGCT	SCML2	cg00457389	-0.219189600394045	156	-2.78786593999202	0.00597458716347728	0.0480440809209013	0.0285688753946494
TGCT	SCML2	cg04189389	0.0271249420802282	156	0.336735580380091	0.736774681804981	0.000735762482855732	0.851568927980827
TGCT	SCML2	cg05049545	-0.153057074409758	156	-1.92203500731321	0.0564477579732824	0.0234264680268741	0.157512711495159
TGCT	SCML2	cg06131666	0.167942430566427	156	2.1141382735863	0.0361142776490071	0.0282046599845592	0.113518692287642
TGCT	SCML2	cg08300622	-0.119632072270155	156	-1.49533402198915	0.13687369442689	0.0143118327156516	0.296625689200322
TGCT	SCML2	cg17710066	0.218627109969959	156	2.78035203071701	0.00610771474406283	0.0477978132138166	0.0290948038473622
TGCT	SCML2	cg17727916	-0.0815517650598583	156	-1.01541302138145	0.311501635774866	0.0065069038437832	0.510371690854657
TGCT	SCML2	cg22823767	0.0938298591375657	156	1.16955772998824	0.243985968658658	0.00880404246577543	0.436680868658552
TGCT	SCML2	cg26246138	-0.150326130231193	156	-1.88694053657734	0.0610503115061745	0.0225979454302856	0.166719834777665
TGCT	SCML4	cg00977377	-0.0539779159133171	156	-0.670826298376409	0.503336042617959	0.00291361540634513	0.686751742452628
TGCT	SCML4	cg03500965	-0.422177731713686	156	-5.77938475584481	4.0324994058208e-08	0.178234037154913	9.66135690718889e-07
TGCT	SCML4	cg05603896	-0.419937436206798	156	-5.74212879337557	4.83528883257428e-08	0.176347450327938	1.13471028489075e-06
TGCT	SCML4	cg08792995	-0.406300006687009	156	-5.51803789246461	1.41969176695259e-07	0.165079695433864	2.98049134279419e-06
TGCT	SCML4	cg17388996	-0.415401248548754	156	-5.66708111665944	6.95549494167935e-08	0.172558197295864	1.56612380171636e-06
TGCT	SCML4	cg23503775	-0.427733606444641	156	-5.87233768594642	2.55588617002366e-08	0.182956038082139	6.4118867691332e-07
TGCT	SCML4	cg27353361	-0.416969168248922	156	-5.69296275626966	6.13778502069802e-08	0.173863287270198	1.40229911277587e-06
TGCT	SCML4	cg27659622	-0.41242527050432	156	-5.61812417628903	8.80366237344508e-08	0.170094603750562	1.93521364984399e-06
TGCT	SETD1A	cg26692825	-0.731315478785891	156	-13.3062505374554	2.22655315177136e-27	0.534822329511838	5.28086816734455e-25
TGCT	SETD6	cg01152986	-0.202240762010737	156	-2.56269787073948	0.0113449460614141	0.0409013258186837	0.047047749554968
TGCT	SETD6	cg01472538	-0.197866190622816	156	-2.50498072524475	0.0132862656637049	0.0391510293915847	0.0532066174736055
TGCT	SETD6	cg01773760	-0.222369139235054	156	-2.83039431457121	0.00526961114949104	0.0494480340841387	0.0258493051115144
TGCT	SETD6	cg02549819	-0.335929482421995	156	-4.42598170394211	1.8087802610729e-05	0.112848617160309	0.000219771422641582
TGCT	SETD6	cg05502081	-0.279972028920571	156	-3.61909581780093	0.000400451034551536	0.0783843369779012	0.00310719008397189
TGCT	SETD6	cg09132913	-0.238243695779151	156	-3.04418251108346	0.00274463846288625	0.0567600585785088	0.0153411641936332
TGCT	SETD6	cg19824325	-0.266831679691268	156	-3.43586781532846	0.000759395172749846	0.0711991452868632	0.00533180397733769
TGCT	SETD6	cg26666090	-0.250811934998152	156	-3.21526761192202	0.001588106506064	0.0629066267375173	0.00985680210090499
TGCT	SETD7	cg05316864	0.540600256297455	156	7.97436757692457	3.22783816023609e-13	0.292248637108874	1.96791882317717e-11
TGCT	SETDB1	cg02060408	-0.346892837960844	156	-4.5898336841195	9.14781969541951e-06	0.120334641028528	0.000121048730291795
TGCT	SETDB1	cg08531528	-0.200660135882111	156	-2.54182519685939	0.012015526092933	0.0402644901322272	0.0491915200457585
TGCT	SETDB1	cg10589385	-0.409614032885471	156	-5.57207645360235	1.09755526866629e-07	0.1677836559367	2.36647594180341e-06
TGCT	SETDB1	cg10961700	-0.374029614722852	156	-5.00485396778636	1.51079120399848e-06	0.139898152689725	2.46034102834118e-05
TGCT	SETDB1	cg12082615	-0.205246403476049	156	-2.60244609769646	0.0101600459215167	0.042126086139853	0.0431765875897779
TGCT	SETDB1	cg15448220	-0.33084267745583	156	-4.35065263967309	2.46035374479973e-05	0.109456877226142	0.000287000688593417
TGCT	SETDB1	cg16370685	-0.387745374174676	156	-5.22018691919825	5.70196590010131e-07	0.15034647519386	1.03955644535383e-05
TGCT	SETDB1	cg17899625	0.0214893190791904	156	0.26673703211752	0.790028474465657	0.000461790834487258	0.884541120074199
TGCT	SETDB1	cg17918089	-0.0456508136881743	156	-0.567102928075382	0.571469948838302	0.0020839967903924	0.739321493595803
TGCT	SETDB1	cg19689029	-0.347176060180068	156	-4.59409441626012	8.98505152059754e-06	0.120531216762154	0.000118996101122466
TGCT	SETDB1	cg26820223	-0.257971796919426	156	-3.31349966313108	0.0011485180757572	0.0665494480058377	0.00753417785525388
TGCT	SETMAR	cg00300090	0.0246304976674265	156	0.305749194980972	0.76020852350499	0.000606661415345103	0.866591376202262
TGCT	SETMAR	cg02520519	0.148066732910208	156	1.85793920569432	0.0650868967345909	0.021923757394703	0.174785807054809
TGCT	SETMAR	cg06021447	-0.0513861469487913	156	-0.638528900112977	0.524077904955172	0.00264053609824278	0.703248292994836
TGCT	SETMAR	cg06267913	-0.118314838827533	156	-1.4786342691116	0.141280570556968	0.0139984010867851	0.303302721138857
TGCT	SETMAR	cg14751177	0.0617334279039623	156	0.767555673002157	0.443926442823033	0.00381101612077371	0.6359651159784
TGCT	SETMAR	cg14961031	0.362310265750572	156	4.82389973662261	3.35557674440447e-06	0.13126872866825	4.99127604692546e-05
TGCT	SETMAR	cg15232450	0.132037568466961	156	1.65301576154083	0.10036485878982	0.0174339194866675	0.238849398618732
TGCT	SETMAR	cg15384599	-0.10821055446717	156	-1.35078950500776	0.178744296012458	0.0117095240980923	0.355387169064665
TGCT	SETMAR	cg16423812	-0.150478688275147	156	-1.88889983636507	0.0607853255618056	0.0226438356250089	0.166200394234328
TGCT	SETMAR	cg21901604	0.138848210721428	156	1.73991435777452	0.0838718338946952	0.0192788256205422	0.209953516941916
TGCT	SETMAR	cg22149154	-0.0694036071922016	156	-0.863357962644794	0.389283296521678	0.00481686069128941	0.586874632177191
TGCT	SETMAR	cg23182840	0.188974962581919	156	2.38814747890184	0.0181451549965371	0.0357115364828376	0.0675584518750231
TGCT	SETMAR	cg23549342	0.111513526604055	156	1.39253181002428	0.165768742626823	0.0124352666156733	0.33794060702073
TGCT	SETMAR	cg24390964	-0.0507685830695203	156	-0.630835044472912	0.529083478817013	0.00257744902688678	0.707354096224148
TGCT	SETMAR	cg26797270	-0.0363299211112182	156	-0.45114028460029	0.652523060716963	0.00131986316794734	0.797010236696165
TGCT	SETMAR	cg27265118	-0.0695506885098167	156	-0.865196489783403	0.388276729082018	0.00483729827218954	0.586061308929113

TGCT	SFMBT2	cg09060610	-0.0806748278508943	156	-1.004422256161	0.316750740772581	0.00650842784877143	0.51601589696275
TGCT	SFMBT2	cg12328063	-0.0792481810168764	156	-0.986546835009452	0.325412309090755	0.00628027419448361	0.524853771477301
TGCT	SFMBT2	cg20299663	-0.0498108884933146	156	-0.618905137441163	0.536893282081407	0.00248112461249342	0.712925431286971
TGCT	SFMBT2	cg25291138	-0.130252506506353	156	-1.63027968741839	0.105086003435712	0.0169657154511876	0.24678683062482
TGCT	SHPRH	cg00571935	0.0866801324220299	156	1.07973607183331	0.281947856766857	0.00751344535670064	0.479051491052306
TGCT	SHPRH	cg02758840	-0.102770730168213	156	-1.28214006315735	0.201720261072412	0.0105618229793076	0.385085666360758
TGCT	SHPRH	cg06708562	0.0177306535284689	156	0.220066218314496	0.826111036057645	0.000314376074546605	0.906466717324083
TGCT	SHPRH	cg11387577	-0.120871018189094	156	-1.51104856312465	0.132825309621448	0.0146098030380684	0.290432630746274
TGCT	SHPRH	cg11675148	0.0180748778051666	156	0.22433998381867	0.822790134126521	0.000326701207671703	0.90463875321067
TGCT	SHPRH	cg12989205	-0.103902258639291	156	-1.29640992288768	0.196773608749276	0.0107956793503461	0.378915471151295
TGCT	SHPRH	cg14102550	-0.127222802993024	156	-1.59172758180489	0.113496537595621	0.0161856416014017	0.260661753096526
TGCT	SHPRH	cg15443174	0.144451032839595	156	1.81159022429192	0.0719980234585291	0.0208661008884257	0.188174508212088
TGCT	SHPRH	cg16339435	0.050666209748851	156	0.629559707400464	0.529915572051715	0.00256706481031457	0.708016475729118
TGCT	SHPRH	cg18099523	-0.0187939896823432	156	-0.23326847895435	0.815862704783998	0.000353214048180023	0.90088659651445
TGCT	SHPRH	cg26814539	-0.00103799719316626	156	-0.0128812133520052	0.989739235299305	1.07743817302103e-06	0.994443392024309
TGCT	SHPRH	cg27398948	-0.0948101293533851	156	-1.18188672143234	0.239072424886018	0.00898896062800561	0.430887570872805
TGCT	SIN3A	cg01088093	-0.0763822672611117	156	-0.950656249224193	0.34326848566167	0.00583425075194789	0.542636523074941
TGCT	SIN3A	cg01664094	-0.0276349557202558	156	-0.34307180711787	0.732012305994135	0.0007636907776605	0.848648583149875
TGCT	SIN3A	cg02028562	-0.176349206810923	156	-2.22328008876094	0.0276529458150485	0.03109904272428417	0.092913802390009
TGCT	SIN3A	cg07544511	-0.109827218818718	156	-1.37121484121998	0.172302802301604	0.0120620179934545	0.346789925547216
TGCT	SIN3A	cg10483776	-0.15687020808477	156	-1.97111197677795	0.0505033380237464	0.024608262184559	0.145362464045409
TGCT	SIN3A	cg11184237	-0.10653401326767	156	-1.32961912135133	0.185609932273998	0.0113494959829161	0.364362943080153
TGCT	SIN3A	cg15851274	-0.176180642487946	156	-2.22108684468977	0.0278043043859033	0.0310396187874656	0.0932773321573574
TGCT	SIN3A	cg22059910	0.0227626021363188	156	0.28254967291612	0.777901464590235	0.000518136056016343	0.877196998555295
TGCT	SIN3A	cg25697800	-0.141681904152131	156	-1.77614350584844	0.0776839306461483	0.0200737619641735	0.198761509642706
TGCT	SIN3B	cg06815056	-0.0126412615751628	156	-0.156886466468087	0.875539819677708	0.000159801494211686	0.934163714230958
TGCT	SIRT1	cg02720207	-0.145947883859036	156	-1.83076896958993	0.0690679524710354	0.0213007848029307	0.182552654997171
TGCT	SIRT1	cg03211233	-0.118880152368731	156	-1.48580028197553	0.139376236460223	0.0141324906272127	0.300345114249034
TGCT	SIRT1	cg07832903	-0.207180898909478	156	-2.62806948440237	0.00945642017652704	0.0429239248729392	0.0407812379407253
TGCT	SIRT1	cg10582690	-0.00514490161783876	156	-0.0638473950443789	0.949174538918196	2.64700126572399e-05	0.973052453667156
TGCT	SIRT1	cg10705386	-0.155562500282708	156	-1.95427105475998	0.0524805601930011	0.0241996914942074	0.149466326181744
TGCT	SIRT1	cg19192316	-0.017017713807465	156	-0.211214860950823	0.832998859328679	0.000289602583232785	0.910451743040003
TGCT	SIRT1	cg19681528	0.0595368323044925	156	0.740145596089115	0.46033853881819	0.00354463440085327	0.650135019729081
TGCT	SIRT1	cg19980381	-0.00483053065329343	156	-0.0599460083392767	0.952276357832132	2.33340263924074e-05	0.974844880202031
TGCT	SIRT1	cg25513531	-0.193340272898213	156	-2.44543065126299	0.0155949001160633	0.0373804611243554	0.0601656909812321
TGCT	SIRT4	cg04118464	0.0104907517629083	156	0.130193970181419	0.896582871439531	0.000110055872550963	0.945203258790023
TGCT	SIRT4	cg07106325	0.137143047039791	156	1.71813467660019	0.0877818790690575	0.0188082153513582	0.216983461499055
TGCT	SIRT4	cg08264848	0.0718321997182541	156	0.893722882481478	0.372864735590322	0.00515986491636314	0.571448475832883
TGCT	SIRT4	cg12124973	0.112223029336325	156	1.40150441150338	0.163075437095022	0.0125940083134216	0.333876300057648
TGCT	SIRT4	cg20010714	0.0935200161946021	156	1.16566150882953	0.245553542732856	0.00874599342903864	0.438484845710083
TGCT	SIRT4	cg21068152	0.073673533122015	156	0.916755866566595	0.360703999624129	0.00542778948268064	0.559632699665375
TGCT	SIRT4	cg21123573	0.0892900557423054	156	1.11250416523031	0.267655054528488	0.007972714054464	0.463379869930821
TGCT	SIRT5	cg01064902	-0.135604073994289	156	-1.69849108293859	0.0914345829217821	0.0183884648838486	0.223349370362729
TGCT	SIRT5	cg02206980	-0.395303469136235	156	-5.34057367339459	3.2695919870856e-07	0.156264832711142	6.2896795015662e-06
TGCT	SIRT5	cg02712746	0.0475880589607675	156	0.591222108288191	0.555238404477415	0.00226462335565349	0.72671046195895
TGCT	SIRT5	cg06139021	-0.171739348536331	156	-2.16337172669812	0.0320548389943354	0.0294944038356834	0.103700010176959
TGCT	SIRT5	cg07534331	-0.0850978005474688	156	-1.05988054010012	0.290858437304602	0.00724163565801679	0.488413446160781
TGCT	SIRT5	cg07909422	-0.201923282075717	156	-2.55850377710912	0.0114769333237135	0.0407730118442296	0.0474862541742882
TGCT	SIRT5	cg08619119	-0.066744616228485	156	-0.830130018710798	0.407750303260728	0.00445484379548774	0.603855455775082
TGCT	SIRT5	cg10907941	0.0013211632663517	156	0.0163952192772034	0.986940315362204	1.7454723763571e-06	0.993148441205393
TGCT	SIRT5	cg11824369	-0.0234106501740295	156	-0.290598171819077	0.771749629243545	0.000548058541570789	0.873488581283697
TGCT	SIRT5	cg19366958	-0.330796875155768	156	-4.34997631671091	2.46711801468667e-05	0.109426572612821	0.000287661450057187
TGCT	SIRT5	cg20150972	0.120039486273868	156	1.50050079340822	0.135532154298499	0.0144094782648941	0.29444784437828
TGCT	SIRT7	cg11691214	-0.0685938162869731	156	-0.853236527507849	0.394853294437457	0.00470511163281102	0.591526881855558
TGCT	SIRT7	cg12710567	-0.15646207471042	156	-1.96585481742961	0.0511136801711305	0.024480380826889	0.146625265897
TGCT	SIRT7	cg17552093	-0.0152454546771102	156	-0.189213107228564	0.8501749379485	0.000232423888311822	0.920107198370381
TGCT	SIRT7	cg20397086	-0.199274824352597	156	-2.52354872910713	0.0126315997123595	0.0397104556207584	0.0512016813267662

TGCT	SMARCA	cg03460558	0.199053502907874	156	2.52063028990985	0.0127325487770294	0.0396222970198951	0.051533005543948
TGCT	SMARCA	cg06675660	0.249058205447845	156	3.19129343270518	0.0017169311642904	0.0620299897009012	0.0105038489300729
TGCT	SMARCA	cg08617833	-0.204696527391099	156	-2.5951685343433	0.0103682961457259	0.0419006683259751	0.0438412452636484
TGCT	SMARCA	cg12935118	0.219673379180398	156	2.79433073187943	0.0058621661322437	0.048256393520535	0.02815939191675
TGCT	SMARCA	cg17420696	0.195485845490381	156	2.47364067445791	0.0144601715553589	0.0382147157870892	0.0567506309817635
TGCT	SMARCA	cg18959966	0.049620114117019	156	0.616528885298353	0.538455835246948	0.00246215572498599	0.714115491358181
TGCT	SMARCA	cg24447042	-0.494635338556452	156	-7.06277617079801	5.26947612209226e-11	0.244664118148856	2.19685758543433e-09
TGCT	SMARCA	cg26010110	0.139494327197155	156	1.74817117243811	0.0824272341145206	0.019458667320187	0.20737829470926
TGCT	SMARCA	cg27353825	-0.0197756094699972	156	-0.245456860354338	0.806429511504785	0.000391074729909844	0.895075584958934
TGCT	SMARCA	cg04518912	0.00425897722618316	156	0.0528529967920827	0.957917533109408	1.81388870131468e-05	0.977801875960653
TGCT	SMARCA	cg13529335	-0.340350375305894	156	-4.49180365582982	1.37828798333576e-05	0.115838377970863	0.000173274944045932
TGCT	SMARCA	cg14290704	-0.039643851678613	156	-0.492354314168214	0.623170067478775	0.00157163497591587	0.776728478832505
TGCT	SMARCA	cg21210735	-0.00237661979323489	156	-0.0294931593081898	0.976509461484867	5.64832164159584e-06	0.987588195067918
TGCT	SMARCA	cg08405378	-0.0678999365861215	156	-0.844565195067718	0.399663773726895	0.00461040138839932	0.596296817232029
TGCT	SMARCA	cg17218495	0.13055936783927	156	1.634194225282808	0.104260696201213	0.0170458970930231	0.245406112196913
TGCT	SMARCA	cg17747332	-0.209736613004743	156	-2.66197067967765	0.00859299265482348	0.0439894468347014	0.0379561248347341
TGCT	SMARCA	cg18522266	-0.0575709673992037	156	-0.715623838866292	0.47530727525847	0.00331441628728017	0.663104877361957
TGCT	SMARCA	cg23892580	0.0319713126434399	156	0.396956485288677	0.691949129248511	0.00102216483214458	0.823111902614163
TGCT	SMARCA	cg01278696	-0.0739425078412685	156	-0.920121217344522	0.358948466863686	0.00546749446585605	0.557945113315089
TGCT	SMARCA	cg01575392	-0.0545817923853667	156	-0.678353450049248	0.498565666443788	0.00297917205999927	0.682805792921643
TGCT	SMARCA	cg02782292	-0.42812832002274	156	-5.87897219771789	2.47363838242351e-08	0.183293858405494	6.22361656928379e-07
TGCT	SMARCA	cg05358385	0.0344828506603536	156	0.428175563511253	0.669121531562501	0.00118906698966425	0.808148304270594
TGCT	SMARCA	cg10878459	0.0977171272906904	156	1.21846897189592	0.224909144875817	0.00954863696594498	0.414159117737542
TGCT	SMARCA	cg12253543	0.0449167416336822	156	0.557965240344446	0.577678353467146	0.00201751367898696	0.744164740784291
TGCT	SMARCA	cg13848802	-0.149015167905078	156	-1.87010954288841	0.0633666608580837	0.0222055202657786	0.17130082363152
TGCT	SMARCA	cg13898584	0.0963694734212758	156	1.20150596705737	0.231399503198496	0.00928707540749397	0.421890896332574
TGCT	SMARCA	cg16091845	0.0396920984341836	156	0.49295445663179	0.622746926121983	0.00157546267810892	0.776552020817708
TGCT	SMARCA	cg16587443	-0.123579603737366	156	-1.54542878557402	0.12429508072446	0.0152719184598845	0.277354545216379
TGCT	SMARCA	cg19993723	-0.139573642997963	156	-1.74918491707167	0.0822512832291663	0.0194808018197229	0.207103066012745
TGCT	SMARCA	cg20045045	-0.0240659500970303	156	-0.298737108993291	0.765543370566519	0.000579169954072753	0.869983167275306
TGCT	SMARCA	cg22077701	0.0949104467910932	156	1.18314862249842	0.238573516961761	0.00900799291008493	0.430297416732896
TGCT	SMARCA	cg24607315	-0.0686482695745028	156	-0.85391707627267	0.394477257584336	0.0047125849155736	0.591233287284768
TGCT	SMARCB	cg01745726	-0.24332461157094	156	-3.11314486062789	0.00220732001788101	0.0592068665961491	0.0128597508777829
TGCT	SMARCB	cg01912455	-0.105462411378397	156	-1.31609357928893	0.190098263028776	0.0111223202137463	0.37020053804879
TGCT	SMARCB	cg03979008	0.137003404349888	156	1.71635174369166	0.0881084326217671	0.018769932803459	0.217617786055108
TGCT	SMARCB	cg10122452	-0.106260429119054	156	-1.32616555411774	0.186748374753192	0.0112912787965656	0.365773585241319
TGCT	SMARCB	cg16142952	0.096740154603396	156	1.20617108552382	0.229601295723035	0.00935865751268895	0.419650945644757
TGCT	SMARCB	cg19906397	0.0642983157195078	156	0.79957565811054	0.42518827142647	0.0041342734043655	0.620024731193003
TGCT	SMARCC	cg02564102	0.0175993677396056	156	0.218436241618653	0.827378430335331	0.000309737744833871	0.907284687220207
TGCT	SMARCC	cg02627110	-0.106885647696947	156	-1.3340583986632	0.184154179783869	0.0114245416835959	0.362529803935175
TGCT	SMARCC	cg05592996	-0.266579169320519	156	-3.43236748983484	0.000768552914839227	0.0710644535156178	0.00538395366564636
TGCT	SMARCC	cg07143957	-0.0588211228239094	156	-0.731217011637526	0.465757740034264	0.00345992449026543	0.655009447877244
TGCT	SMARCC	cg07304068	-0.0623499042390231	156	-0.77525032775544	0.439380550809869	0.00388751055861535	0.632083993185197
TGCT	SMARCC	cg07474652	-0.0535512870982096	156	-0.665508934744706	0.5067205684192	0.00286774034987486	0.68964102085707
TGCT	SMARCC	cg12894336	-0.132074429051479	156	-1.65348542108674	0.100269163962271	0.0174436548092743	0.238703082847203
TGCT	SMARCC	cg16250355	0.119396826471994	156	1.49235101456799	0.137652922591637	0.0142556021715833	0.297749797305542
TGCT	SMARCC	cg20685352	0.0452019769493594	156	0.561515725138477	0.575262247090961	0.00204321872013042	0.742228932401139
TGCT	SMARCC	cg22984439	0.0723241265273397	156	0.899875417547075	0.369591539785504	0.00523077927794264	0.568322512819939
TGCT	SMARCD	cg02553054	0.397403639038031	156	5.37425182714432	2.79450955733013e-07	0.157929652320669	5.46084090688118e-06
TGCT	SMARCD	cg04550398	0.244562524758165	156	3.12998781722084	0.00209178985641663	0.0598108285160883	0.0123288658299928
TGCT	SMARCD	cg09878554	-0.0122576831940224	156	-0.152125276995159	0.879287245935798	0.000150250797285018	0.935954135109318
TGCT	SMARCD	cg13349421	-0.110939025027071	156	-1.38526805745878	0.16797374618908	0.0123074672739572	0.340980846011529
TGCT	SMARCD	cg17846064	-0.203157327870704	156	-2.57481096841566	0.0109713561073322	0.0412728998675646	0.0458233478478364
TGCT	SMARCD	cg18591973	0.0542031200076812	156	0.673633317793392	0.501554236214639	0.00293797821856709	0.685366419323408
TGCT	SMARCD	cg20405918	-0.0291287090138128	156	-0.361631223883293	0.718123318455601	0.000848481688811376	0.839921300135839
TGCT	SMARCD	cg22402853	-0.161345512778951	156	-2.02882688561379	0.0441987519904458	0.0260323744939027	0.131840403080703
TGCT	SMARCD	cg25107077	-0.0789054725599661	156	-0.98225372974341	0.327515499198751	0.00622607359991156	0.52702301699345

TGCT	SMARCD	cg00945038	-0.159159727057989	156	-2.00062251432145	0.0471905701040029	0.0253318187171736	0.138331445142254
TGCT	SMARCD	cg02127607	-0.0628101812169886	156	-0.780995933872815	0.436003799970397	0.00394511886451095	0.629110259016917
TGCT	SMARCD	cg02360836	0.00665084327597037	156	0.082536619996328	0.934327180198566	4.42337162815203e-05	0.965092417788407
TGCT	SMARCD	cg04367190	0.0369319535223679	156	0.458626373170122	0.647149082113367	0.00136396919097834	0.793173615041707
TGCT	SMARCD	cg06420487	-0.281292905796117	156	-3.63763368782592	0.000374838931679515	0.079125698851223	0.00294524684362304
TGCT	SMARCD	cg07362569	-0.0638873848392696	156	-0.794444555342295	0.428159239987404	0.00408159794160094	0.622420673386031
TGCT	SMARCD	cg11697258	0.185122068627631	156	2.33771053587301	0.020688970633396	0.0342701802929731	0.0747499105546293
TGCT	SMARCD	cg12577610	-0.226825412507237	156	-2.89016010882168	0.00440676296173663	0.0514497677590784	0.0224343771903239
TGCT	SMARCD	cg15868002	-0.0775891967683942	156	-0.965768000649079	0.335674451249659	0.00602008345516459	0.53522152614298
TGCT	SMARCD	cg19016967	-0.0719039094114089	156	-0.894619715629738	0.372386487819516	0.0051701721886441	0.570995061267989
TGCT	SMARCD	cg19143629	-0.134406122797926	156	-1.68320900069331	0.094360790077541	0.0180650058455713	0.228449114013369
TGCT	SMARCD	cg21254277	-0.364396205602196	156	-4.85591095667156	2.91792912546384e-06	0.132784594657278	4.40771608517153e-05
TGCT	SMARCD	cg23682543	-0.129657277528719	156	-1.62270193985999	0.106698503056119	0.0168110096161593	0.24942165770449
TGCT	SMARCD	cg24795630	-0.177147238846578	156	-2.22640230706571	0.0274482710302429	0.0313811442309666	0.0923857048642199
TGCT	SMARCD	cg25945412	0.0315477608166231	156	0.391692382636674	0.69582699040938	0.00099526121254286	0.825648468501682
TGCT	SMARCD	cg00864064	-0.143600882781191	156	-1.80070314756352	0.0737065722574563	0.0206212135355373	0.191405317027625
TGCT	SMARCD	cg02917064	0.277273041441501	156	3.58128601163598	0.000457892180231521	0.0768803395102203	0.00348306094347618
TGCT	SMARCD	cg14795305	-0.0473117054842634	156	-0.58778103703132	0.557540179286961	0.00223839747582968	0.72879970970517
TGCT	SMARCD	cg19786287	-0.141056330529691	156	-1.76814166555519	0.0790173150924224	0.0198968883825014	0.201220105741593
TGCT	SMARCD	cg19902439	-0.156158659305861	156	-1.96194719769264	0.0515713747613214	0.024385526876204	0.147606457990516
TGCT	SMARCD	cg22750243	-0.2055247296242	156	-2.60613070086085	0.0100560501185928	0.0422404144871005	0.0428258807097939
TGCT	SMARCD	cg22787816	-0.153912773134645	156	-1.93304054742953	0.0550658955926214	0.0236891417339968	0.154767017657155
TGCT	SMNDC1	cg03999743	-0.0922103278415154	156	-1.1491961657964	0.252256790683736	0.00850274456063976	0.446131614662338
TGCT	SMNDC1	cg08770590	-0.00064354054023471	156	-0.0079861297359832	0.993638394151474	4.14144426925592e-07	0.996700473658949
TGCT	SMNDC1	cg11559952	0.0053849952029937	156	0.0668270019918961	0.946806107229785	2.89981733362651e-05	0.971587666376055
TGCT	SMNDC1	cg12486840	0.0941555730834142	156	1.17365389591658	0.242345617042876	0.00886527194266614	0.434748086273357
TGCT	SMNDC1	cg17981675	-0.227624481225003	156	-2.90089700201788	0.00426620183833046	0.0518129044529516	0.0218705045015538
TGCT	SMNDC1	cg18209001	0.00437376706293345	156	0.054277541017363	0.956784392365504	1.91298333208015e-05	0.977155209074736
TGCT	SMNDC1	cg21872391	0.327106267907833	156	4.29559308712626	3.07358185581004e-05	0.106998510504591	0.000347993344332537
TGCT	SMNDC1	cg23721301	-0.116393519950743	156	-1.45429015152352	0.147900951319986	0.013547451486524	0.312800940422499
TGCT	SMNDC1	cg26944434	0.206183862711002	156	2.61485922795729	0.0098135022235635	0.0425117852424292	0.0419836995097883
TGCT	SMYD1	cg00578637	0.247421100034085	156	3.16894376206974	0.00184570366967733	0.0612172007420767	0.0111335317386656
TGCT	SMYD1	cg00666842	-0.00900489725134728	156	-0.111752367094476	0.911165280813911	8.10881745073218e-05	0.952780078345478
TGCT	SMYD1	cg03704645	0.110353277354895	156	1.3778635616004	0.170244290398645	0.0121778458229664	0.343981723735707
TGCT	SMYD1	cg14559139	-0.0568888289842606	156	-0.707116964137399	0.480562427690404	0.00323633886320045	0.667825535901167
TGCT	SMYD1	cg16090764	0.1239494606059	156	1.5501261021763	0.123163887103105	0.0153634687844934	0.275634721051574
TGCT	SMYD1	cg18148488	0.143270183546446	156	1.79646929286712	0.0743799850863662	0.0205263454934322	0.192671702177969
TGCT	SMYD1	cg19074493	0.128021448000775	156	1.60188566658544	0.111230133257491	0.016389491148215	0.256934407822117
TGCT	SMYD2	cg01770831	-0.0560374223256802	156	-0.696500555863166	0.487165349869519	0.00314019270090664	0.673488435238651
TGCT	SMYD2	cg04406444	0.0778150842489176	156	0.968596770440619	0.334265151223605	0.00605518733666615	0.533827869401568
TGCT	SMYD2	cg11523160	-0.108334774607727	156	-1.35235854612821	0.178243144824981	0.011736423389307	0.354822105704072
TGCT	SMYD2	cg14013804	0.229596402927302	156	2.92741974120481	0.0039364008776693	0.0527145082371561	0.0205095686743959
TGCT	SMYD2	cg27570636	-0.0279770155850862	156	-0.347321586238044	0.728823943213064	0.000782713401048156	0.846638246515192
TGCT	SMYD5	cg01329511	-0.503926326925194	156	-7.24004120385262	1.9988423463524e-11	0.253941742968317	8.94180227096829e-10
TGCT	SMYD5	cg05103132	0.0185767178269975	156	0.230570793429653	0.817954276751672	0.000345094445223887	0.902092887023474
TGCT	SMYD5	cg06754047	-0.0241178981476104	156	-0.299382329014923	0.765052008642917	0.000581673011058511	0.869615078322137
TGCT	SMYD5	cg08834152	0.0099952532752152	156	0.12404402762396	0.901442173435794	9.99050880357002e-05	0.947966805994703
TGCT	SMYD5	cg15623359	-0.1466250716844	156	-1.83944980527587	0.0677746129815669	0.0214989116464553	0.180101050120854
TGCT	SMYD5	cg17895873	-0.238914191653154	156	-3.05326769327729	0.0026675314666756	0.0570799909732802	0.0149940710201273
TGCT	SMYD5	cg20402064	-0.0610139428441292	156	-0.75857641176158	0.449265391233232	0.00372270122138667	0.640492670175883
TGCT	SMYD5	cg25886337	0.143433886277885	156	1.79856505868619	0.0740460126731022	0.0205732797327773	0.192065882221259
TGCT	SMYD5	cg26467949	-0.412351007920753	156	-5.61690528915605	8.85532265316201e-08	0.170033353733261	1.94382328013568e-06
TGCT	SP100	cg05876232	0.182202869320882	156	2.29957075369065	0.0228160447368943	0.0331978855887624	0.0804377181077992
TGCT	SP100	cg09456094	-0.398979549172511	156	-5.39958879937578	2.48215824953255e-07	0.1591846806579	4.91216023566866e-06
TGCT	SP100	cg11702456	-0.4058804854713	156	-5.51121585921888	1.46641399930193e-07	0.164738968486419	3.06497073244747e-06
TGCT	SP100	cg11827097	-0.416344981590352	156	-5.68265196749976	6.45161061493669e-08	0.17334314369547	1.46753390695434e-06
TGCT	SP100	cg23539753	-0.352428487679075	156	-4.67337191151297	6.42020703060809e-06	0.12420583892776	8.86499087218896e-05

TGCT	SP100	cg27140170	0.175600085483974	156	2.21353457455675	0.028331027647402	0.030835390021979	0.0946244748338476
TGCT	SP140L	cg04002454	-0.25910804212544	156	-3.32914195453331	0.0010900300414086	0.0671369774940786	0.00720997751259826
TGCT	SP140L	cg05217331	0.288325833951648	156	3.73671916075008	0.000262186519324788	0.0831317865239132	0.00217974223152453
TGCT	SP140L	cg13278004	-0.249637944857413	156	-3.19921498198511	0.00167332848327772	0.0623191035126325	0.0102815667031125
TGCT	SP140L	cg24044052	-0.161611234082412	156	-2.03225771123974	0.0438460950292138	0.0261181909816401	0.131034655476265
TGCT	SP140L	cg25095994	-0.23089067396635	156	-2.94484860447708	0.0037325870003464	0.0533105033246354	0.0196330543005374
TGCT	SP140L	cg26847438	-0.272638126335715	156	-3.5165696012274	0.000574597797221478	0.0743315479318494	0.0042166079650078
TGCT	SSRP1	cg01511567	0.439935897273531	156	6.07938031206661	9.11788099601857e-09	0.193543593709867	2.51174374718225e-07
TGCT	SSRP1	cg01766191	-0.216710374493574	156	-2.75476952720846	0.00658144812064222	0.046963386413145	0.0308487783995446
TGCT	SSRP1	cg02688348	0.236005011644007	156	3.01388179478351	0.00301691128378842	0.0556983655210881	0.0165408130531423
TGCT	SSRP1	cg04937561	-0.19268570409906	156	-2.43683164798579	0.0159561827231645	0.0371277805641504	0.0611596018311912
TGCT	SSRP1	cg08821673	-0.428826029979428	156	-5.8907096819649	2.33443581028715e-08	0.183891763987918	5.91740304416678e-07
TGCT	SSRP1	cg09381635	-0.310609618604254	156	-4.05514114864296	7.93429980093428e-05	0.0964783351694799	0.000789209715782996
TGCT	SSRP1	cg11948159	0.448627588478393	156	6.22938891367949	4.26675382135741e-09	0.201266713143939	1.25161360700036e-07
TGCT	SSRP1	cg12795368	0.521902844506555	156	7.59273915267612	2.81369163421548e-12	0.272382579104033	1.48600357767929e-10
TGCT	SSRP1	cg12911972	-0.210651197271106	156	-2.67411633581842	0.00830140641935634	0.0443739269117504	0.0369619740720815
TGCT	SSRP1	cg16313264	0.585390085650091	156	8.96020225188314	1.00827810801388e-15	0.342681552377421	8.60065648408246e-14
TGCT	SSRP1	cg22636253	-0.208336045493419	156	-2.6433853309704	0.00905710158251092	0.043403907851836	0.0395325231728583
TGCT	SSRP1	cg26706201	0.100123147031999	156	1.24877058550062	0.213643969514833	0.0100246445715914	0.400170687521233
TGCT	STK31	cg00755064	-0.580015205406636	156	-8.83593113781024	2.11158017644998e-15	0.336417638502902	1.72685968110974e-13
TGCT	STK31	cg05000488	-0.332581560058133	156	-4.3763548228742	2.21609570407798e-05	0.110610494090702	0.000262004482071493
TGCT	STK31	cg05407490	-0.509912069006979	156	-7.3560186163441	1.05380570583796e-11	0.260010318118978	4.97752040558337e-10
TGCT	STK31	cg11755819	-0.408561290325076	156	-5.55488189305503	1.19141204567776e-07	0.166922327952091	2.54558386930667e-06
TGCT	STK31	cg13313214	-0.552450517551609	156	-8.22478080023536	7.62406097360539e-14	0.305201574343041	5.12181519326993e-12
TGCT	STK31	cg13514718	-0.232442040398535	156	-2.96576132504478	0.00350083425118884	0.0540293021446341	0.0186485825621052
TGCT	STK31	cg13802883	-0.566554182593953	156	-8.53221306417372	1.26854876252818e-14	0.320983641814702	9.41655366718676e-13
TGCT	STK31	cg14898779	-0.62297959166719	156	-9.88314622665496	3.82750334975999e-18	0.388103571633819	4.29044374050762e-16
TGCT	STK31	cg17102984	-0.488035042999059	156	-6.93880480562027	1.03095829368567e-10	0.238178203195093	4.11927937847885e-09
TGCT	STK31	cg17331904	-0.563165164526538	156	-8.45736506293299	1.96716364929146e-14	0.317155002536203	1.42755157586735e-12
TGCT	STK31	cg21519371	-0.615942808477343	156	-9.70263748617884	1.15021129785813e-17	0.379385543314957	1.22742850076235e-15
TGCT	STK31	cg25570411	-0.579968241467761	156	-8.83485304565875	2.12513590314297e-15	0.336363161111207	1.73294363154197e-13
TGCT	STK31	cg25612145	-0.571416996102121	156	-8.64072769539895	6.70019458083574e-15	0.326517383434372	5.13026513013322e-13
TGCT	SUV39H	cg05903800	-0.189214303988708	156	-2.39128436184748	0.0179964946610172	0.0358020528339313	0.0671246730430632
TGCT	SUZ12	cg00160853	-0.0336032317124408	156	-0.417240774920585	0.677083381656282	0.00112917718151999	0.813469813770889
TGCT	SUZ12	cg01109633	0.183640963543609	156	2.31835173924164	0.0217457582418482	0.0337240034912253	0.0776004365443275
TGCT	SUZ12	cg07482957	0.0355956087140026	156	0.442009999929944	0.659102056551195	0.00126704735972038	0.801647650714399
TGCT	SUZ12	cg08177746	0.0340028618199472	156	0.422208566441212	0.673461643342923	0.00115619461194642	0.811129499332963
TGCT	SUZ12	cg17335595	-0.285639303123603	156	-3.69879258886137	0.000300875786619341	0.0815898114889377	0.00244912953272627
TGCT	SUZ12	cg25098644	-0.177921121488489	156	-2.24374252008483	0.0262750414791824	0.0316559254717217	0.0894312467987187
TGCT	TAF3	cg00194465	-0.0696937160388763	156	-0.866984398644845	0.387299411308646	0.00485721405530752	0.585210651711078
TGCT	TAF3	cg02334915	0.0973107231140394	156	1.21335282848998	0.226852693795224	0.00946937683297725	0.416403335276531
TGCT	TAF3	cg03672997	-0.259258220344571	156	-3.33121051238981	0.00108250715064743	0.0672148248162344	0.00717190949390786
TGCT	TAF3	cg04179819	0.0520359639290552	156	0.64662537082836	0.518836986682935	0.00270774154202593	0.699630870361274
TGCT	TAF3	cg04234156	-0.0342445111637809	156	-0.425212601393791	0.67127526654507	0.00117268654484631	0.809606533045047
TGCT	TAF3	cg05976695	-0.0486374602270097	156	-0.60429018679403	0.546539951358381	0.00236560253733395	0.720111257489862
TGCT	TAF3	cg07855525	-0.254078027710357	156	-3.26000668382964	0.00137141062595055	0.0645556441651852	0.00873235616430828
TGCT	TAF3	cg09871669	-0.15682246012454	156	-1.97049688266123	0.050574428790585	0.024593283999513	0.145540158818288
TGCT	TAF3	cg09994553	-0.20582779097168	156	-2.60165521626181	0.0101885223182424	0.0423650795362815	0.043247989590514
TGCT	TAF3	cg11104088	-0.194006713717735	156	-2.45418910115971	0.0152344076932419	0.0376386049675552	0.0591036062282098
TGCT	TAF3	cg12176426	-0.186012993169575	156	-2.34936330846503	0.0200748824334965	0.0346008336279044	0.0730485712162133
TGCT	TAF3	cg12590721	-0.0280209298937886	156	-0.347867189934672	0.728414949909045	0.000785172512112616	0.846460715710273
TGCT	TAF3	cg12777293	-0.0615623387416162	156	-0.765420351084879	0.445192751024731	0.0037899215513375	0.63713390619997
TGCT	TAF3	cg27268107	-0.0612307635124104	156	-0.761282234535442	0.447652685295355	0.00374920640031273	0.639204824214724
TGCT	TCEA1	cg01677098	-0.204347808021904	156	-2.5905545924456	0.010502304596874	0.0417580266433569	0.0442731268998166
TGCT	TCEA1	cg06047473	-0.0723971577210607	156	-0.90078887581507	0.36910711507994	0.00524134844608814	0.567813306516291
TGCT	TCEA1	cg11530293	0.0918862030049004	156	1.14512221496459	0.253935042379122	0.00844307430265777	0.448011581776238
TGCT	TCEA1	cg11787876	0.0376492675313383	156	0.467546606060651	0.640769777776165	0.00141746734564628	0.788916507108444

TGCT	TCEA1	cg12850379	-0.383305823178264	156	-5.15005362484738	7.85440673009354e-07	0.146923354082367	1.37897927592168e-05
TGCT	TCEA1	cg23569945	-0.15234241292634	156	-1.91284680673805	0.0576236517852345	0.0232082107762194	0.159859295591632
TGCT	TCEA1	cg26181865	-0.393094885284055	156	-5.3052640704898	3.85208060421102e-07	0.154523588836485	7.28235136145788e-06
TGCT	TCEA1	cg26358945	-0.084795544375475	156	-1.05608867089857	0.292581635226144	0.00719028434593314	0.490266138172201
TGCT	TDRD1	cg00337703	-0.295638084489474	156	-3.84043973569471	0.000179012255316423	0.0874018770006057	0.00158161037933967
TGCT	TDRD1	cg02635786	-0.549410461193533	156	-8.13333846467805	1.33266322935461e-13	0.301851854868891	8.68284784459065e-12
TGCT	TDRD1	cg16550453	-0.547541903730222	156	-8.12021131812738	1.39565965435149e-13	0.299802136340515	9.04029534976021e-12
TGCT	TDRD1	cg23504215	-0.477116205133133	156	-6.73712500090162	3.0338397252726e-10	0.227639873200641	1.10493692690944e-08
TGCT	TDRD1	cg23825092	-0.39681125504645	156	-5.36474229551072	2.92137081225358e-07	0.157459172131539	5.68304878640798e-06
TGCT	TDRD1	cg24203376	-0.300058115604251	156	-3.90349262696442	0.000141428696887486	0.0900348727399739	0.00129545555700754
TGCT	TDRD1	cg26600802	-0.546232739967241	156	-8.09252549684414	1.63717514367684e-13	0.29837020621212	1.05171266000988e-11
TGCT	TDRD1	cg27547703	-0.532355231423324	156	-7.80412323579129	8.52533140289214e-13	0.283402092423781	4.86588137312246e-11
TGCT	TDRD3	cg01557749	0.0322896448441873	156	0.400913009361015	0.689039863336898	0.00104262116416375	0.821210939867652
TGCT	TDRD3	cg03447530	-0.255687697241181	156	-3.28209973384754	0.00127486953245495	0.0653761985204976	0.00821343274598759
TGCT	TDRD3	cg05666423	-0.0739851853119169	156	-0.920655206733042	0.358670411048466	0.00547380764563869	0.557613180861015
TGCT	TDRD3	cg10765900	0.183454046779746	156	2.3159098065225	0.0218823758880453	0.0336553872798653	0.0779548871526099
TGCT	TDRD3	cg18522102	-0.0637863113401787	156	-0.793182559848678	0.428891815090312	0.00406869351438621	0.623018747300588
TGCT	TDRD3	cg19937698	-0.0871537733567479	156	-1.08568104145265	0.279316683078355	0.00759578021031939	0.476349571277569
TGCT	TDRD3	cg20944895	0.121828850812647	156	1.52320242728357	0.129758912496649	0.0148422688903302	0.285703182349267
TGCT	TDRD3	cg22045829	0.0778857894550243	156	0.969482236569105	0.333824802561191	0.00606619619903237	0.533420287366648
TGCT	TDRD3	cg23103367	-0.0963643086985747	156	-1.20144097125659	0.231424627498879	0.0092860799909542	0.421922837395074
TGCT	TDRD3	cg23767211	0.0670548331085738	156	0.834005698699696	0.405569549097569	0.00449635064321868	0.60194125573434
TGCT	TDRD3	cg26737458	0.0124640447963521	156	0.154686744177894	0.87727082722637	0.000155352412685472	0.934959129972987
TGCT	TDRD5	cg05378938	-0.224928520241551	156	-2.86469661601907	0.00475721954684937	0.0505928392180537	0.0238394187984797
TGCT	TDRD5	cg07171496	-0.435800492191016	156	-6.00875748881552	1.29893299255658e-08	0.189922068993932	3.4677142492432e-07
TGCT	TDRD5	cg07901138	-0.385683782870269	156	-5.18756655088193	6.62014126091391e-07	0.148751980369121	1.18665269412796e-05
TGCT	TDRD5	cg09656934	-0.515574742268061	156	-7.46706487896635	5.68489170613667e-12	0.265817314864778	2.82407704589525e-10
TGCT	TDRD5	cg11853788	-0.491446072485538	156	-7.00267458833704	7.30102929513015e-11	0.241519242161461	2.98620543104813e-09
TGCT	TDRD5	cg12277666	-0.286727452446721	156	-3.71414280990329	0.000284607808501362	0.0822126319865869	0.00233897949023399
TGCT	TDRD5	cg13848905	-0.433653076454994	156	-5.97227069191498	1.55807692458303e-08	0.18805499071888	4.089373693354e-07
TGCT	TDRD5	cg15545772	-0.285849228109471	156	-3.70175272714036	0.000297671772770458	0.0817097812107805	0.00242813021819283
TGCT	TDRD7	cg24339935	-0.0170893400062931	156	-0.212104106594484	0.832306284201648	0.000292045541850691	0.910027197093226
TGCT	TDRD9	cg07613153	-0.377659794391585	156	-5.06146445396048	1.17238370278996e-06	0.142626920299894	1.97028338247661e-05
TGCT	TDRD9	cg08933517	-0.319212600033983	156	-4.18000918482064	4.87209658104637e-05	0.101896684020456	0.00051842412997664
TGCT	TDRD9	cg16701547	-0.344857588459483	156	-4.55925770699289	1.04022147817352e-05	0.11892675631809	0.000135685764039286
TGCT	TRIM24	cg00733782	-0.0996246166430661	156	-1.24249025306794	0.215944365451905	0.00992506424127789	0.403157646354976
TGCT	TRIM24	cg02308366	-0.136277350833798	156	-1.70708330022727	0.0898219661044173	0.0185715163502782	0.220519772497461
TGCT	TRIM24	cg06386929	0.0572680591141307	156	0.711846178846885	0.477636999861217	0.00327963059469957	0.665352805343328
TGCT	TRIM24	cg06650216	0.0204451217795331	156	0.25377033286106	0.800011485891141	0.000418003004579939	0.890862184140224
TGCT	TRIM24	cg10571650	-0.480609475494366	156	-6.80119796134365	2.15683677430961e-10	0.23098546793497	8.07065704764992e-09
TGCT	TRIM24	cg10703331	-0.16965229397761	156	-2.13629740655313	0.0342354313222879	0.0287819008518654	0.108968992442456
TGCT	TRIM24	cg13935558	-0.480405860342707	156	-6.79745180622944	2.2003916745521e-10	0.230789790651616	8.20628338399123e-09
TGCT	TRIM24	cg26889928	0.171074184338097	156	2.15473964407766	0.0327366454788841	0.0292663765469453	0.105349325655014
TGCT	TRIM33	cg00760200	-0.105862485721512	156	-1.32114269160027	0.188413408503926	0.0112068658831373	0.367981339153303
TGCT	TRIM33	cg02852257	-0.209225981022485	156	-2.65519268175523	0.00875970475234571	0.0437755111348211	0.0385023149050219
TGCT	TRIM33	cg05792124	-0.0491605469018601	156	-0.610804873994923	0.542229208674211	0.00241675937168999	0.716905634953331
TGCT	TRIM33	cg16036305	-0.149520215435519	156	-1.87659247452007	0.0624659138314338	0.0223562948238839	0.16954079869579
TGCT	TRIM33	cg17645130	0.0194029579114842	156	0.240829712871986	0.810007423751071	0.000376474775714829	0.897375641174748
TGCT	TRIM33	cg18199720	0.156760552487277	156	1.96969940322292	0.0506667251364115	0.0245738708161162	0.1457302922787
TGCT	TRIM33	cg20932765	-0.240927799422696	156	-3.08057987656508	0.00244760582341532	0.0580462045346626	0.0139883226143676
TGCT	TRIM33	cg20992663	-0.168256321500178	156	-2.11820469398899	0.0357629846428145	0.0283101897247712	0.112655718630673
TGCT	TRIM33	cg21666217	0.0370235524531704	156	0.45976542143378	0.646333019480503	0.00137074343625266	0.792597984133584
TGCT	TRIM33	cg21813112	-0.236672695334024	156	-3.02291358500619	0.00293325846585224	0.0560139647166716	0.0161722118421339
TGCT	TRIM66	cg06492264	-0.228979704062844	156	-2.91912094864132	0.00403699064074254	0.0524317048727074	0.020893729619182
TGCT	TRIM66	cg11245569	-0.273864791482603	156	-3.53367128940769	0.000541297679123896	0.0750019240138095	0.00401044872854898
TGCT	TRIM66	cg12608775	-0.27416345195715	156	-3.53783791518392	0.000533464110500163	0.0751655983890607	0.00395934744170525
TGCT	TRIM66	cg13143389	-0.178629066011815	156	-2.25296398455302	0.0256739238270635	0.0319083432242533	0.0879139876756989

TGCT	TRIM66	cg27044202	-0.370210720142359	156	-4.94558918926504	1.9662280410079e-06	0.137055977308324	3.11402166576076e-05
TGCT	UBE2A	cg00142683	-0.123907639940222	156	-1.54959493166592	0.123291393474926	0.0153531032355557	0.275858686300682
TGCT	UBE2A	cg00428314	-0.108220093734669	156	-1.35090999449414	0.178705774234434	0.0117115886879405	0.355335834914392
TGCT	UBE2A	cg00935924	-0.233716029821914	156	-2.98295283475954	0.00332030274749046	0.0546231825957177	0.0178568705107689
TGCT	UBE2A	cg05206294	-0.15622169717559	156	-1.96275900155113	0.0514760052168239	0.0244052186684216	0.147393144754595
TGCT	UBE2A	cg06206449	-0.145388271777817	156	-1.82359731620022	0.0701518254718427	0.0211377495705404	0.184674188082251
TGCT	UBE2A	cg06273903	-0.0780499571317365	156	-0.971538222824647	0.332803803665876	0.00609179580826591	0.532488823808296
TGCT	UBE2A	cg09080960	-0.171459069972055	156	-2.1597340768911	0.0323406465809581	0.029398212675682	0.104387297651345
TGCT	UBE2A	cg14625604	-0.118201862039697	156	-1.47720233074372	0.141663510854008	0.0139716801896516	0.303788059165467
TGCT	UBE2A	cg15661671	-0.214430870822449	156	-2.724388674728	0.00718723203775623	0.045980598361674	0.0330920649352041
TGCT	UBE2A	cg16211147	-0.0961445153474121	156	-1.19867505773559	0.232495612478356	0.00924376783138877	0.423111883340147
TGCT	UBE2A	cg17976175	-0.125690219012274	156	-1.5722432130019	0.117946436380714	0.0157980311553535	0.267573832444747
TGCT	UBE2A	cg18990292	-0.125406255249875	156	-1.56863432559821	0.118785618728168	0.0157267288557968	0.268886094897405
TGCT	UBE2A	cg25165659	-0.133725304127867	156	-1.67452725398984	0.0960566462043259	0.0178824569640905	0.231386615105104
TGCT	UHRF2	cg06523306	-0.336264986762409	156	-4.43096532124338	1.77210838617591e-05	0.113074141322323	0.000215641169707757
TGCT	UHRF2	cg08487038	0.110933587196595	156	1.3851993105822	0.167994720889947	0.0123062607683046	0.340995181258481
TGCT	UHRF2	cg13428749	-0.072339931049696	156	-0.900073095836943	0.369486673319462	0.00523306562427477	0.568206184676187
TGCT	UHRF2	cg14078101	-0.135615144839104	156	-1.69863234730956	0.0914078811959427	0.0183914675097311	0.223306893284674
TGCT	UHRF2	cg20595300	-0.0485460184170479	156	-0.603151392848191	0.547295243210773	0.00235671590414835	0.720679206309267
TGCT	UHRF2	cg24119045	-0.186406669580515	156	-2.35451427616235	0.0198085907868332	0.0347474464640994	0.072268886024904
TGCT	USP27X	cg00478198	0.101495194374393	156	1.26606013606256	0.207403398551486	0.0103012744810959	0.392343643296234
TGCT	USP27X	cg01125381	0.135027189742533	156	1.6911309149662	0.0928345792403569	0.0182323419697661	0.225827806673681
TGCT	USP27X	cg01290688	-0.234283952788829	156	-2.99062174967647	0.00324256520216615	0.0548889705343581	0.0175382129831964
TGCT	USP27X	cg01855997	0.181268481455857	156	2.28737617888436	0.0235354838705358	0.0328582623693122	0.0823773702971502
TGCT	USP27X	cg06455206	-0.309691594966619	156	-4.04188244576749	8.35081065901402e-05	0.0959088839929682	0.000823166452619534
TGCT	USP27X	cg06624970	0.168221180100851	156	2.11774940832548	0.035802169348074	0.028298365434523	0.112742631244498
TGCT	USP27X	cg16810342	0.151172248121773	156	1.89780895403026	0.0595925162814692	0.022853048602191	0.163854671176638
TGCT	USP27X	cg16867483	0.0894046077767643	156	1.11394291232703	0.267039236020849	0.00799318389171707	0.46274586966801
TGCT	USP27X	cg19318186	0.0874373839879681	156	1.08924117432272	0.277749105838753	0.00764529611865939	0.474542632109559
TGCT	USP51	cg00834229	0.0306715103650403	156	0.380802594416726	0.703874518425713	0.000940741548072775	0.830855259408204
TGCT	USP51	cg01084827	-0.0247047335923813	156	-0.306671280076147	0.759507844174233	0.000610323861870532	0.866135321542874
TGCT	USP51	cg02714202	0.0241868613463352	156	0.300238889191319	0.764399849912033	0.000585004261786844	0.869242109076855
TGCT	USP51	cg03728850	0.0744842134426403	156	0.926899528723319	0.355429060276441	0.00554789805216879	0.554257588452813
TGCT	USP51	cg07386410	0.0691057562358882	156	0.859634977246225	0.391326482590379	0.004775605544934	0.588442794737253
TGCT	USP51	cg12064531	-0.0455702804851076	156	-0.566100410595628	0.57214952000358	0.00207665046349137	0.739813868835438
TGCT	USP51	cg12517811	-0.001716359688293	156	-0.0212994949638646	0.983034318914401	2.94589057959723e-06	0.991201532093721
TGCT	USP51	cg18770944	0.0146535055117726	156	0.181864747693415	0.855928033197074	0.000214725223783549	0.923330878485206
TGCT	USP51	cg21331369	0.0730651320307638	156	0.909144430790206	0.364694523931866	0.00533851351867294	0.563644497760119
TGCT	USP51	cg25424556	0.0163812204589081	156	0.203312880583183	0.839158882690116	0.00026834438372335	0.91388470482823
TGCT	WDR82	cg01736403	-0.0240871875875787	156	-0.299000888648976	0.765342479846262	0.000580192605879205	0.869868989819129
TGCT	WDR82	cg03869063	0.0463382722700936	156	0.575661208401701	0.56568443203127	0.00214723547697733	0.734978784224478
TGCT	WDR82	cg10989431	0.0811083062191327	156	1.00985478499326	0.314148918297882	0.0065785573377366	0.513217433168807
TGCT	WDR82	cg11442381	-0.0424770768968504	156	-0.527602854079949	0.598534332044687	0.00180430206170094	0.759012483732997
TGCT	WDR82	cg11665333	-0.10305637212749	156	-1.285741855867	0.200463143196794	0.0106206158360797	0.383457418718223
TGCT	WDR82	cg12661343	-0.142226416854597	156	-1.78311024664552	0.0765381502500156	0.0202283536512975	0.196787813086219
TGCT	WDR82	cg13539115	-0.0483472069970397	156	-0.600675496443936	0.548939149959541	0.00233745242441461	0.721955117394161
TGCT	WDR82	cg15991175	-0.32835500963899	156	-4.31396918071393	2.85420013663102e-05	0.107817012355021	0.000326384896999961
TGCT	WDR82	cg17632831	-0.0247370444696797	156	-0.307072615359921	0.759202937417958	0.000611921369094912	0.865939935686425
TGCT	WDR82	cg24007312	-0.0124171919114823	156	-0.154105180160241	0.877728571557878	0.00015418665496658	0.935111109869304
TGCT	WDR82	cg26236504	0.0358732219493789	156	0.445461698965686	0.656611702927693	0.0012868880530294	0.79990683731963
TGCT	WDR82	cg26858096	0.032472562264105	156	0.403186529719872	0.68737021941052	0.00105446729999617	0.82014231363224
TGCT	ZMYND1	cg00614684	-0.385525111268631	156	-5.18505969959723	6.69637266128308e-07	0.14862961141869	1.19921182046928e-05
TGCT	ZMYND1	cg02813021	0.0681224228164525	156	0.847345444421279	0.398117548973413	0.00464066449038353	0.594718524585474
TGCT	ZMYND1	cg02867818	-0.277970623115252	156	-3.59104950103442	0.000442357784993746	0.0772676673150813	0.00338076250376299
TGCT	ZMYND1	cg03254875	-0.331661766348364	156	-4.36275325392508	2.34229783965404e-05	0.109999527257317	0.000274919610950583
TGCT	ZMYND1	cg05236965	-0.251546771552092	156	-3.22532314467179	0.00153679657550878	0.0632757782782803	0.00958729372855895
TGCT	ZMYND1	cg08828193	-0.168223212054402	156	-2.11777573372469	0.0357999026143894	0.0282990490739003	0.112741880939104

TGCT	ZMYND1	cg12639781	-0.0854263280911052	156	-1.06400232367207	0.288993144619026	0.00729765753112915	0.486553825104579
TGCT	ZMYND1	cg13939078	0.12363402238893	156	1.54611988113255	0.124128141537769	0.0152853714920665	0.277125115304612
TGCT	ZMYND1	cg14255089	-0.0152066597948898	156	-0.188731507934907	0.850551743235386	0.000231242502117516	0.920323500163412
TGCT	ZMYND1	cg14694828	-0.124596753396026	156	-1.55834853608412	0.121203343750014	0.0155243509568301	0.272550742121364
TGCT	ZMYND1	cg17632565	-0.15391415518654	156	-1.93305832623892	0.0550636865217943	0.0236895671667863	0.154766400364061
TGCT	ZMYND1	cg22593633	-0.135894985516419	156	-1.70220333966585	0.0907349935370297	0.0184674470885078	0.222053544960982
TGCT	ZMYND1	cg24757747	-0.0878949056626641	156	-1.09498495625038	0.275232809953676	0.00772551444144862	0.471732384884802
THCA	ACTL6A	cg03667091	-0.0606361341136006	511	-1.3678401582419	0.171968075818954	0.00367674076024256	0.346304379650014
THCA	ACTL6A	cg03839554	-0.0101854930501791	510	-0.229128886281515	0.818861323106454	0.000103744268675247	0.902582926262341
THCA	ACTL6A	cg07261848	0.0386575528143277	510	0.870230629838309	0.384587019731067	0.00149440638959254	0.582719408935173
THCA	ACTL6A	cg10112003	0.0472604968877078	511	1.06533897485566	0.28722963849423	0.00223355456607304	0.484699653357934
THCA	ACTL6A	cg20132173	0.105300086691703	511	2.38426162452766	0.0174802462632411	0.0110881082572802	0.0656524056294396
THCA	ACTL6A	cg22619386	0.106580627179119	511	2.41358743964141	0.0161498238604278	0.0113594300898944	0.0617497000588873
THCA	ACTL6A	cg25198545	0.0456827433945944	511	1.02969782972151	0.303642842471904	0.00208691304405636	0.502116981703496
THCA	ACTL6A	cg25575835	0.0207417727807676	511	0.467135952530086	0.640603303178807	0.000430221138088993	0.788851397213396
THCA	ACTL6B	cg05729836	0.0396931528080211	511	0.894462156960265	0.371499085887617	0.00157554637984091	0.570106324098815
THCA	ACTL6B	cg08572611	-0.0364958615439813	511	-0.822312745331619	0.411285483447087	0.00133194790983746	0.607091491931819
THCA	ACTL6B	cg09375063	-0.038560029305596	511	-0.86888699032087	0.385319135906725	0.00148687382600477	0.583393709796043
THCA	ACTL6B	cg14088161	-0.00270956668247252	511	-0.0610106170498063	0.951374795880455	7.34175160676515e-06	0.974229631438141
THCA	ACTL6B	cg16024950	-0.0613360341604484	511	-1.38368790253725	0.167062915713274	0.0037621090865317	0.339750933652222
THCA	ACTL6B	cg20497359	0.0362014863484028	511	0.81567124087632	0.415071218695978	0.00131054761383359	0.610709632274221
THCA	ACTL6B	cg24471254	0.00549137035588713	511	0.123649186318299	0.90164204945349	3.01551483855159e-05	0.948060627034455
THCA	ACTL6B	cg26990587	-0.0431768135104472	511	-0.97310512374831	0.330965090598207	0.00186423722491593	0.530652284552734
THCA	AEBP2	cg02664216	0.09042599353048	511	2.04446721508421	0.0414233844402303	0.00817686030597442	0.125564634084448
THCA	AEBP2	cg07849438	-0.00033710636922346	511	-0.0075905100989469	0.99394669305405	1.13640704171028e-07	0.996872564214446
THCA	AEBP2	cg08161947	0.00681467648127812	511	0.153447319809321	0.878106585265574	4.64398155444851e-05	0.935298871724606
THCA	AEBP2	cg24304000	-0.0202097363897007	511	-0.455148731523952	0.64919708152146	0.000408433444941191	0.794782162908857
THCA	AEBP2	cg26259627	-0.0195044948864221	511	-0.439259650244837	0.660660558042117	0.000380425320774466	0.802539427122131
THCA	AFF4	cg00931577	-0.0254718010961189	511	-0.573726048122213	0.566407609443582	0.000648812651080247	0.735398000235461
THCA	AFF4	cg01907658	0.0920855763341577	511	2.08230718091358	0.0378152249094597	0.00847975336879398	0.117498007213584
THCA	AFF4	cg05619425	0.120845300446898	511	2.74112131585423	0.00633916974549608	0.0146035866401011	0.0299531930989506
THCA	AFF4	cg06638012	-0.028710939195654	511	-0.646741085582487	0.51809220017942	0.000824318029496543	0.69894155242795
THCA	AFF4	cg13393914	0.101168654609196	511	2.28972818118145	0.0224470605489949	0.0102350966754349	0.0793965003341141
THCA	AFF4	cg13565585	-0.0205469876857908	511	-0.462747237311773	0.643744098318267	0.000422178702960037	0.790875360341997
THCA	AICDA	cg07999668	-0.0506594614380116	511	-1.14214842979164	0.253931433215324	0.00256638103318939	0.448011581776238
THCA	AIRE	cg08089567	0.148143359288992	511	3.37291077162952	0.00080066225136501	0.0219464549014275	0.00557225972291014
THCA	AIRE	cg09510531	0.151428938495098	511	3.4494525796328	0.000608538849128719	0.0229307234137521	0.00442518893523271
THCA	AIRE	cg11923631	0.154506849568132	511	3.52126259311137	0.00046824804658661	0.0238723665634695	0.00354899537569746
THCA	AIRE	cg12843033	0.0776164437056996	511	1.75295125131765	0.0802147442903998	0.00602431233352003	0.203450238999793
THCA	AIRE	cg15955655	0.0398479334126778	511	0.897955584329997	0.36963544901655	0.0015878577972612	0.568345095776133
THCA	AIRE	cg16501323	0.166747412212015	511	3.80790691729211	0.000157311099923686	0.0278046994794038	0.00141756743976176
THCA	AIRE	cg16717549	0.163389071683975	511	3.72908882650815	0.000213848025484845	0.026695988745751	0.0018347957752915
THCA	AIRE	cg17356252	0.164393727068527	511	3.75265333769197	0.000195201649695221	0.0270252974994813	0.00170107730888205
THCA	AIRE	cg18689454	0.174552024709131	511	3.9916080352178	7.53199256413716e-05	0.0304684093300571	0.000754693237422058
THCA	AIRE	cg18876487	0.0260831018445072	511	0.587504230828403	0.557126664318046	0.000680328201830937	0.728397007840632
THCA	AIRE	cg23272544	0.0895734254854672	511	2.02503460206497	0.0433873226702717	0.00802339855320054	0.130005694956297
THCA	AIRE	cg27251412	0.151581558986811	511	3.45301089311799	0.000600751254998216	0.0229769690248721	0.00438002278644154
THCA	ARID1A	cg04081153	0.0758783266170709	510	1.71177565569949	0.0875507753560264	0.00575752045020689	0.216584253443785
THCA	ARID1A	cg04360147	0.0561129908222513	511	1.26547100848969	0.206283784191001	0.00314866773901805	0.390777118061388
THCA	ARID1A	cg14851949	0.0863444416779008	511	1.95147657117005	0.0515506562246299	0.00745536260866842	0.14756887512286
THCA	ARID1A	cg17385674	0.108974912474193	511	2.46845197215916	0.0138986884631302	0.0118755315487581	0.0550695003718421
THCA	ARID1A	cg20413923	0.0499732352676059	511	1.12663804217636	0.260428508596808	0.00249732424311149	0.455565081568156
THCA	ARID1A	cg21294655	-0.0803006060239496	511	-1.81395931676977	0.0702749871857546	0.00644818732781357	0.184907405571555
THCA	ARID1A	cg24542126	0.0826922267227897	511	1.86835165095684	0.0622895939429047	0.00683800436037326	0.169189507042154
THCA	ARID1A	cg25601319	0.112524241144419	511	2.54986437572109	0.0110695969128682	0.0126617048451273	0.0461623338132918
THCA	ARID2	cg00035453	0.0185295853628162	511	0.41729602730441	0.676638537481972	0.000343345533717893	0.813191728440447
THCA	ARID2	cg01183821	0.120166120883811	511	2.72548919265968	0.00664265263284198	0.0144398966082626	0.0310794802982684

THCA	ARID2	cg01353809	-0.0822749403986474	511	-1.85885904621688	0.0636263323775383	0.00676916581760099	0.171812520426888
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THCA	ARID2	cg06613666	0.0686501624259335	511	1.5494278188661	0.121902872988242	0.00471284480110705	0.273656208503929
THCA	ARID2	cg07276957	0.0882509885752426	511	1.99490111440377	0.046588499104394	0.0077882369845076	0.137004071192531
THCA	ARID2	cg23465749	-0.0403287742082999	511	-0.908808665672234	0.363882929460442	0.00162641002914404	0.562803861275709
THCA	ARID4A	cg02136725	-0.0142457175057657	511	-0.320798537787624	0.748495252490785	0.00020294046725408	0.859029264609172
THCA	ARID4A	cg06154646	0.0573334865148084	511	1.29308566992128	0.196570323072341	0.00328712867594372	0.378687720664663
THCA	ARID4A	cg08066755	0.141577077583886	511	3.22028011431061	0.00136279888619638	0.0200440688971938	0.00868569363860081
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THCA	ARID4A	cg10064886	0.103796204081101	511	2.34983632626648	0.0191641957989325	0.0107736519816457	0.0704055565342949
THCA	ARID4A	cg10242170	0.0842838341313247	511	1.90456733448147	0.0574019984493944	0.00710376469587666	0.159392171165484
THCA	ARID4A	cg10844118	-0.0145232426067621	511	-0.327049416310957	0.743765491366025	0.000210924575814869	0.85604766719286
THCA	ARID4A	cg12203852	0.0299333486772624	511	0.674301206193153	0.500427165972334	0.000896005363034568	0.684300311312534
THCA	ARID4A	cg14272338	0.0641906230542903	511	1.44834545403126	0.148138594568773	0.00412043608809798	0.313097181157218
THCA	ARID4A	cg14460816	0.0155114244516061	511	0.349307503192963	0.727003498586253	0.000240604288517884	0.845477257246931
THCA	ARID4A	cg17323045	0.0821602698282788	511	1.85625064450147	0.0639977797370353	0.00675030993825558	0.172566889444176
THCA	ARID4A	cg19548283	-0.0660098188520068	511	-1.48809974268818	0.137347509475688	0.00435729618487475	0.297279287523001
THCA	ARID4A	cg20996579	0.0434092236543763	511	0.978352971121867	0.328366372613125	0.00188436069827567	0.527990867040622
THCA	ARID4A	cg26429530	0.110579687130202	511	2.50524931290919	0.0125490174808747	0.0122278672058134	0.05092531381884
THCA	ARID4A	cg27026909	0.0446282291162172	511	1.00588087874376	0.314952695817504	0.00199167883404958	0.514055557107754
THCA	ARID4B	cg05652840	0.0972164737442454	511	2.19940835911912	0.0282995830546804	0.00945104276726556	0.0945637113592975
THCA	ARID4B	cg06212607	-0.0402485160583523	511	-0.906997111241892	0.364839194088245	0.00161994304489944	0.563767286367808
THCA	ARID4B	cg06891548	-0.0268747474735352	511	-0.60534821132213	0.545218517171342	0.000722252051766286	0.719190564005349
THCA	ARID4B	cg07814876	-0.00357023408347734	511	-0.0803902611091939	0.935958594453157	1.27465714108233e-05	0.965842425045285
THCA	ARID4B	cg10107779	0.0928196241878554	511	2.09904968849684	0.0363064289423763	0.0086154826343747	0.11398227251096
THCA	ARID4B	cg11732257	-0.0134690985287341	511	-0.303306632470171	0.761780610073587	0.000181416615176748	0.867595244635386
THCA	ARID4B	cg22596515	0.113097401222944	511	2.56302036673364	0.010664078585922	0.0127910221633835	0.0448166673606622
THCA	ARID4B	cg23687319	-0.0492475914634284	511	-1.11023845936088	0.267422563182154	0.00242532526494875	0.463162519317685
THCA	ARID4B	cg26020585	0.0988536252958439	511	2.23680944579821	0.0257327620436754	0.00977203923413111	0.0880520342879802
THCA	ASH1L	cg03119126	0.0407334382033387	511	0.91794284645143	0.359085253589434	0.00165921298786521	0.558057378942734
THCA	ASH1L	cg08095278	0.180828001026105	511	4.13988988943219	4.06925956612126e-05	0.0326987659550971	0.000444891342323139
THCA	ASH1L	cg09410084	0.221135824106953	511	5.1056405176263	4.67224904773307e-07	0.0489010527034611	8.68513601957818e-06
THCA	ASH1L	cg10558228	0.0591927980219388	509	1.33252919278369	0.183287296413438	0.00350378733766604	0.361436044035159
THCA	ASH1L	cg17038116	0.129142407148562	511	2.93241158256042	0.00351547165625861	0.0166777613241249	0.0187072485582386
THCA	ASH1L	cg20064047	-0.0422791479439853	511	-0.951897066658078	0.341603652742456	0.0017875263508694	0.540754950510328
THCA	ASH1L	cg21852905	0.149235438422186	511	3.39833935582815	0.000731321287373161	0.022271216081062	0.00517015705469899
THCA	ASH1L	cg23821590	0.0102818535071446	511	0.231525243058583	0.817000187604048	0.000105716511542382	0.901590374267176
THCA	ASH1L	cg24312492	0.104024349828831	511	2.35505774414331	0.0188999696028346	0.010821065357311	0.0697057903229941
THCA	ASH1L	cg26185843	0.0894255734741712	511	2.02166506388411	0.0437357657066645	0.0079969331911844	0.130765216087638
THCA	ASH2L	cg00590869	0.0758019365948765	511	1.71173130325603	0.0875577507323462	0.00574593359153368	0.216588415310243
THCA	ASH2L	cg01642070	-0.0682809100141656	511	-1.54105468258691	0.12392735962047	0.00466228267236257	0.276803956884058
THCA	ASH2L	cg02897270	-0.0758012066176074	511	-1.71171472391686	0.0875608101075551	0.0057458229246852	0.216588415310243
THCA	ASH2L	cg03189282	-0.118255311062714	511	-2.67888457920197	0.00762721485863565	0.0139843185945393	0.0346543366845405
THCA	ASH2L	cg03705346	-0.00980358305692084	511	-0.220754560002368	0.825372416124394	9.61102407539453e-05	0.906169368536055
THCA	ASH2L	cg10062221	0.0199291279932251	511	0.448826548156304	0.653748557507632	0.000397170142570348	0.797956392554259
THCA	ASH2L	cg21453287	-0.0567717539632267	511	-1.28037532047582	0.200998630756829	0.00322303204806115	0.38417778879683
THCA	ASH2L	cg24318412	-0.0500009662720071	511	-1.12726479944696	0.260163752705595	0.00250009662813439	0.45527339957213
THCA	ASH2L	cg27255459	0.103192176945524	511	2.33601417277749	0.01987934893781	0.0106486253827563	0.0724522872460993
THCA	ASXL1	cg00174466	-0.0581522488387556	511	-1.31161405457552	0.190244011864055	0.00338168404500456	0.370412780852266
THCA	ASXL1	cg04218270	0.0608954300131309	511	1.37371112363002	0.170138452666164	0.00370825339648412	0.343874473477854
THCA	ASXL1	cg09065199	-0.0272331708406437	511	-0.613427577235254	0.539868753913658	0.000741645594035684	0.715136729361788
THCA	ASXL1	cg10421984	0.0686294279164958	511	1.54895762797222	0.12201586592489	0.00470999837614549	0.273790522346705
THCA	ASXL1	cg12592359	-0.0306468973571518	511	-0.690390077621348	0.490264836371641	0.000939232317619795	0.676153446419745
THCA	ASXL1	cg16926526	0.0753538552522917	511	1.7015549408022	0.0894519174623921	0.00567820350138332	0.219916647191143
THCA	ASXL1	cg18793288	0.00868470255736354	511	0.195557874037034	0.845034583888815	7.54240585098767e-05	0.917199030115386
THCA	ASXL1	cg24727216	-0.111412769243111	511	-2.52435961480486	0.0118950757344118	0.0124128051504187	0.0488216482896925
THCA	ASXL2	cg05165989	0.211148327465478	511	4.86401922836941	1.53745524565336e-06	0.0445836161914686	2.49992084313622e-05

THCA	ASXL2	cg05496738	0.0459054794839581	511	1.03472892041312	0.301288810636972	0.0021073130466521	0.499663499918659
THCA	ASXL2	cg06583696	0.0835942647860518	511	1.88887498021732	0.0594790648479805	0.00698800110512054	0.163640499562622
THCA	ASXL2	cg09476286	0.0334033790232875	511	0.752552505819464	0.452068122736628	0.0011157857301734	0.642590818063775
THCA	ASXL2	cg19084174	0.0271167292665841	511	0.610802794860939	0.541603863675607	0.00073531700611722	0.716506415029081
THCA	ASXL2	cg20667782	0.167708938899173	511	3.83049829429669	0.00014391559343027	0.0281262881866865	0.00131374908182521
THCA	ASXL2	cg24738909	0.0204807015783644	511	0.461253752906176	0.644814374973717	0.000419459137142017	0.791684124344329
THCA	ASXL3	cg09963640	-0.199133103348128	511	-4.57544747490484	5.9821704847696e-06	0.0396539928490564	8.33262257282303e-05
THCA	ASXL3	cg12361352	-0.108800313830506	511	-2.46444962433837	0.0140529740685722	0.0118375082896167	0.0555139930274972
THCA	ASXL3	cg17880622	-0.0573972668798285	511	-1.29452890897071	0.196072062730926	0.00329444624527426	0.37800431324568
THCA	ASXL3	cg20034091	-0.0103957709095189	511	-0.234090693861425	0.815009066734923	0.0001080720528032	0.900518632203852
THCA	ASXL3	cg20329085	-0.0277929449733784	511	-0.626046146908898	0.531566407543323	0.000772447790293242	0.709211036365941
THCA	ASXL3	cg24880056	-0.0846015317959871	511	-1.91179802538681	0.0564654896853966	0.00715741918222741	0.157533937189275
THCA	ASXL3	cg27109877	-0.0779165617992242	511	-1.75977067702823	0.0790497300744418	0.00607099060261232	0.201289473385851
THCA	ATAD2B	cg08192560	0.00994532521623896	511	0.223946586935818	0.82288907762051	9.89094936567585e-05	0.904671034879323
THCA	ATAD2B	cg14009731	0.0238825799845574	511	0.537909372954862	0.590875655535296	0.000570377626718783	0.753735848925355
THCA	ATAD2B	cg15717719	-0.00953652424393647	511	-0.214740443773927	0.830056034122777	9.0945294655188e-05	0.908724663279455
THCA	ATAD2B	cg16929802	-0.0351684185121823	511	-0.792365497330417	0.428518183951353	0.001236817660648	0.622698115294884
THCA	ATAD2B	cg17933838	-0.0544336808648911	511	-1.2274845949499	0.220210126373862	0.00296302561250081	0.408364015636951
THCA	ATAD2B	cg19614157	0.0461043723083335	511	1.03922157783712	0.299197039411508	0.00212561314594543	0.497504210408868
THCA	ATAD2B	cg20806130	-0.0572588889006631	511	-1.29139767543707	0.197154261557297	0.00327858035813848	0.379385525109168
THCA	ATAD2B	cg27610867	-0.0426360824921224	511	-0.960895967146074	0.337062510143007	0.00181783553027506	0.536659212670233
THCA	ATAT1	cg01245721	-0.105483670176805	511	-2.38846515241376	0.0172838133771832	0.011126804673969	0.0650784341587356
THCA	ATAT1	cg05093836	-0.212150536929058	511	-4.88819152959744	1.36773317846538e-06	0.0450078503192874	2.25426768825288e-05
THCA	ATAT1	cg06814856	-0.044732684688169	511	-1.00823993008524	0.313820230315066	0.00200101307941115	0.51286356092816
THCA	ATAT1	cg07142893	-0.116774310648063	511	-2.64748030528292	0.00836184665345082	0.0136362396273303	0.0371715142033459
THCA	ATAT1	cg07816366	-0.0622874714964991	511	-1.40523446265496	0.160564003762213	0.00387972910542718	0.330482487794412
THCA	ATAT1	cg08081524	-0.00679936581405956	511	-0.153102550751235	0.87837831850378	4.62313754734018e-05	0.935408422792357
THCA	ATAT1	cg08188471	-0.0481088687520183	511	-1.08450681725815	0.27865557737824	0.00231446325259893	0.475576586954561
THCA	ATAT1	cg08635134	-0.248129493532002	511	-5.7674125920491	1.40111108609933e-08	0.0615682455604479	3.70741618476229e-07
THCA	ATAT1	cg09532691	-0.12249565348019	511	-2.77912247480542	0.0056529364012845	0.0150051851215389	0.0273610309443735
THCA	ATAT1	cg12907138	-0.194169455912898	511	-4.45687087219766	1.02443461115313e-05	0.037701777609511	0.000133828490579423
THCA	ATAT1	cg13542073	0.0408671995342698	511	0.920962241221907	0.357508143049344	0.00167012799777382	0.556462354549434
THCA	ATAT1	cg13964084	-0.245073371723422	511	-5.69180825025716	2.12930796999929e-08	0.0600609575278868	5.45610619954298e-07
THCA	ATAT1	cg15381130	-0.176264792675635	511	-4.03202476393317	6.38030333367119e-05	0.0310692771369846	0.000656720451891528
THCA	ATAT1	cg15729859	-0.183539061860995	511	-4.20410431338223	3.09866110758921e-05	0.033686587228814	0.000350526744516206
THCA	ATAT1	cg18298197	-0.015352582806568	511	-0.345729641779406	0.729689312611425	0.000235701798832527	0.847152197260537
THCA	ATAT1	cg20629923	-0.133903075580954	511	-3.04244907132986	0.0024682476774898	0.0179300336500388	0.014086630461642
THCA	ATAT1	cg22759096	-0.268323514388582	511	-6.27174138652667	7.65407767475493e-10	0.0719975083738398	2.5888752983908e-08
THCA	ATAT1	cg23328390	-0.14644932236637	511	-3.3302017003572	0.000931179058391969	0.0214474040215691	0.00632720269617826
THCA	ATAT1	cg26934609	-0.125643818588447	511	-2.85167756554736	0.00452633024707194	0.0157863691494866	0.0228902902711249
THCA	ATF7IP	cg00236831	0.0533482582352369	511	1.20293764087371	0.229561893961368	0.00284603665673352	0.419617522785156
THCA	ATF7IP	cg11409060	0.0620314972167607	511	1.39805641318513	0.162708636044222	0.003847906646953	0.333371428726438
THCA	ATF7IP	cg12526346	0.0785289949366127	511	1.77368816871731	0.0767149252850935	0.00616680304575455	0.197070516690592
THCA	ATF7IP	cg12948116	0.109736644244527	511	2.48591596024124	0.0132428858511628	0.01204213109005	0.0530848179474087
THCA	ATF7IP	cg17439009	0.13422765414385	511	3.04995905551781	0.00240845263584754	0.0180170631369609	0.0138123975367696
THCA	ATF7IP	cg19789919	-0.0452491152132371	511	-1.01990361747738	0.308260592586477	0.0020474824275808	0.506812024001361
THCA	ATF7IP	cg21275967	0.100474333009819	511	2.27385293544216	0.0233920361232526	0.0100950915937679	0.0819564068713886
THCA	ATF7IP	cg26637901	-0.0923372149962938	509	-2.08392378228539	0.0376692274387323	0.00852616127327179	0.117184783435388
THCA	ATM	cg01756564	-0.0408541805437736	511	-0.919759956232705	0.358136467848566	0.00166906406790325	0.557118490746043
THCA	ATM	cg01800843	-0.0294384231154603	511	-0.663142387659539	0.507540749192812	0.00086662075552487	0.69028523300592
THCA	ATM	cg01991180	0.00777389379463959	511	0.175047416761841	0.861112258626017	6.04334247303359e-05	0.926226989941961
THCA	ATM	cg02105423	0.0339498604200393	511	0.764878404890288	0.444699823813829	0.00115259302254015	0.63668613982945
THCA	ATM	cg03165700	-0.0656969099927741	511	-1.48247772681345	0.138834512215897	0.00431608398259866	0.299456346336638
THCA	ATM	cg03569616	-0.0259684372278102	511	-0.584919741153508	0.558861895433261	0.000674359732054716	0.729783165362995
THCA	ATM	cg04709886	-0.0259982279609848	511	-0.585591208859275	0.55841081772811	0.00067590785711133	0.729454195196321
THCA	ATM	cg04826772	0.0671799609483039	511	1.51609341811851	0.130118943392389	0.00451314715301563	0.286333816538456
THCA	ATM	cg05033322	-0.0343787295597158	511	-0.774552037569487	0.438965463970592	0.00118189704614008	0.631703989943159

THCA	ATM	cg05637308	0.0352515356083897	511	0.794240502473359	0.427427028751792	0.00124267076274957	0.62176290272288
THCA	ATM	cg06053805	0.0139061598595809	511	0.313150560587012	0.754295055886594	0.000193381282040219	0.862681999083236
THCA	ATM	cg06081482	-0.00046271986396254	510	-0.0104086270700958	0.991699369525979	2.1410967250552e-07	0.995628203716277
THCA	ATM	cg06750635	0.0196099142438416	510	0.441198952472119	0.659257428174244	0.000384548736650822	0.801686217113268
THCA	ATM	cg09808176	-0.00386236042875982	511	-0.0869681071868768	0.930731199165402	1.49178280816497e-05	0.963372900695398
THCA	ATM	cg10610482	-0.00046388265455919	511	-0.0104450893676281	0.991670284657932	2.15187117200882e-07	0.995612086372753
THCA	ATM	cg10976287	-0.0320506937658339	511	-0.722045545102876	0.470599357704127	0.00102724697087126	0.659113611429405
THCA	ATM	cg11588932	-0.0270184652684118	511	-0.608587783960492	0.543070263381007	0.000729997465460372	0.71750833154094
THCA	ATM	cg12019961	0.00810430786053156	506	0.181947235453957	0.855697288956929	6.56798058982736e-05	0.923223606139956
THCA	ATM	cg12106634	-0.0722953626257926	511	-1.6321209612453	0.103274913673213	0.00522661945719485	0.243666402835555
THCA	ATM	cg12848864	-0.0359853917029243	511	-0.810795987428568	0.417863269962888	0.00129494841601289	0.613245677140378
THCA	ATM	cg14761454	-0.184390637107204	511	-4.22429520713903	2.84215076132471e-05	0.0339999070528007	0.000325102597157028
THCA	ATM	cg15370815	0.0488239181124757	511	1.10066423900986	0.271565109525634	0.00238377497985373	0.467870529501213
THCA	ATM	cg15504467	-0.0406190303511224	511	-0.915360357022135	0.360437630942331	0.00164990562666541	0.559365724974619
THCA	ATM	cg16693212	0.0126093686806163	511	0.283943447539401	0.776569639511605	0.000158996178523708	0.876368441809905
THCA	ATM	cg16788234	0.00688805148429258	511	0.155099596180738	0.876804527311175	4.74452532502652e-05	0.934798675054619
THCA	ATM	cg17114932	0.0274233030975742	511	0.617713521160783	0.53704154620138	0.000752037552781424	0.713030738231362
THCA	ATM	cg17420659	-0.016051936086555	511	-0.361482568843365	0.717889325224197	0.000257664652126847	0.839773877366302
THCA	ATM	cg18042593	-0.0103332340665978	511	-0.232682346072904	0.816101978876962	0.000106775726275097	0.901002685895169
THCA	ATM	cg18391757	-0.0256229329243812	511	-0.577132366447517	0.564106214402443	0.000656534691647339	0.733835200803058
THCA	ATM	cg18457775	0.0380922989722197	511	0.858334321148629	0.391113476819966	0.00145102324098897	0.588288511518415
THCA	ATM	cg19288979	0.0302199622866028	511	0.680763554422908	0.496331891901924	0.000913246120603692	0.681088737148201
THCA	ATM	cg20342375	-0.0489801938595821	511	-1.10419570717413	0.270032022324149	0.00239905939052225	0.466112930011211
THCA	ATM	cg22477592	0.0134104050878418	511	0.301984694037203	0.762787565420443	0.000179838964620015	0.86806851861961
THCA	ATM	cg22678707	-0.00834609454829783	511	-0.187932722988008	0.85100458208354	6.96572942091267e-05	0.920558273379825
THCA	ATM	cg22837512	0.0433901077148607	511	0.97792132504797	0.328579620128973	0.00188270144750721	0.528228864216763
THCA	ATM	cg23275463	-0.064622778084978	511	-1.45813700545443	0.145421944160369	0.00417610344742031	0.309302379471191
THCA	ATM	cg23389069	0.0227462143149971	511	0.512301332362607	0.608663226762714	0.000517390265663778	0.766409160267997
THCA	ATM	cg24030675	0.0346602790525115	510	0.780132438798187	0.435677689558216	0.00120133494399797	0.628837993645254
THCA	ATM	cg24568245	-0.0237122007863541	511	-0.5340697411174634	0.593527370601353	0.000562268466132371	0.755510704624907
THCA	ATM	cg25400013	-0.0176032049883742	510	-0.396035669678906	0.692245653565777	0.000309872825862724	0.823295139555978
THCA	ATM	cg25740661	0.0227881735561909	511	0.513246849412497	0.608002226888704	0.00051930085402708	0.765836983670467
THCA	ATM	cg25918541	-0.0439508700574415	511	-0.990584027341603	0.322361253603349	0.00193167897880611	0.521766086186385
THCA	ATM	cg27453365	0.0181102415110691	511	0.407849048472008	0.683556669892083	0.000327980847589252	0.817755236712911
THCA	ATM	cg27599391	-0.0306926731865711	511	-0.691422252439929	0.489616697525293	0.000942040187337661	0.67558072662793
THCA	ATR	cg00911981	0.00315664642178913	511	0.0710774899166441	0.943364111028906	9.96441663219413e-06	0.969792367964991
THCA	ATR	cg00969988	0.108937393707931	511	2.46759190502361	0.013931715891271	0.0118673557478769	0.055163837025782
THCA	ATR	cg11458642	0.0424369972461684	511	0.956401038352345	0.339325466978674	0.00180089873527131	0.538584281901382
THCA	ATR	cg11936145	0.024872064367221	511	0.560209134228877	0.57558423973183	0.000618619585887186	0.742409254204527
THCA	ATR	cg15135999	0.0197192088528337	511	0.44409708238441	0.657161879569972	0.000388847197781675	0.800305070426179
THCA	ATR	cg15291273	0.0166556564270574	511	0.375081790641479	0.707756492649837	0.000277410891016178	0.833470117670422
THCA	ATR	cg15480357	0.0270857983254947	511	0.610105565352388	0.54206523541385	0.000733640470929371	0.716837896268466
THCA	ATR	cg16031872	0.0182334200405197	511	0.410623991985897	0.681521748677659	0.000332457606374026	0.816298228411818
THCA	ATR	cg17945282	0.104240098757159	510	2.35766722932339	0.0187698713670743	0.0108659981889022	0.0693278593262831
THCA	ATR	cg20032934	0.0771507031939167	511	1.74236942304238	0.082050182956747	0.00595223100331582	0.20670375430496
THCA	ATR	cg20636078	0.0210716437118163	511	0.474568416850328	0.635298959846834	0.000444014168717727	0.785193703546457
THCA	ATR	cg24631870	0.0841379408262419	509	1.89749334885237	0.0583329620445851	0.00707919308648018	0.161309343427287
THCA	ATR	cg24856922	0.029965196925011	511	0.675019288293832	0.499971222134255	0.00089791302675469	0.683984195106168
THCA	AURKB	cg02245743	-0.01580709848474716	511	-0.355967544687254	0.722012939039767	0.000249864362592628	0.842477191283743
THCA	AURKB	cg04612488	-0.0465578488429569	511	-1.04946532096574	0.294463999380072	0.00216763328888362	0.492243427117633
THCA	AURKB	cg05617798	-0.129623948944972	511	-2.94353236715312	0.00339367275980397	0.0168023681400887	0.0181860838104423
THCA	AURKB	cg05811247	-0.102469566914771	511	-2.319481877942	0.0207653251110137	0.0105000121437007	0.0749439898717792
THCA	AURKB	cg11009596	-0.128680630340114	511	-2.9217492347002	0.00363598250059298	0.0165587046247291	0.0192054333684906
THCA	AURKB	cg12844497	0.0227659404284894	511	0.512745843796458	0.60835243406155	0.000518288043593528	0.766155141658452
THCA	AURKB	cg13678641	-0.089573301152206	511	-2.02503242853948	0.0433875466735465	0.00802338146793028	0.130005694956297
THCA	AURKB	cg21724796	-0.075963966278017	511	-1.71541141115131	0.086880800132003	0.00577052417268771	0.215386799731064
THCA	BAP1	cg00794529	0.0669217943425671	511	1.51024094514912	0.131604914661983	0.00447852655802885	0.288545293992039

THCA	BAP1	cg02503646	0.108271032569618	511	2.45231824870137	0.0145299254003833	0.0117226164936914	0.0569441318185097
THCA	BAP1	cg03075736	-0.0411018400408522	511	-0.926258901724932	0.354752139824664	0.0016893612547438	0.553668130514995
THCA	BAP1	cg05442719	-0.018194880341287	511	-0.409755774644724	0.682158180807718	0.000331053670633753	0.816767172791093
THCA	BAP1	cg05908979	0.0315224697378211	511	0.710133654715824	0.477947751373206	0.00093666098371847	0.665572818028594
THCA	BAP1	cg09096430	0.12298510717891	511	2.79039715899182	0.00546267724444342	0.0151253365878081	0.0266184474509384
THCA	BAP1	cg10449522	0.00727837525578863	511	0.163889045662319	0.869883802530111	5.29747463640762e-05	0.930963551162848
THCA	BAP1	cg10956904	0.0223048797342199	511	0.502356383053658	0.615634967301498	0.000497507659958015	0.771393013662545
THCA	BAP1	cg11234564	0.028679939380049	511	0.646042210226081	0.518544321710981	0.000822538922843284	0.699345323726363
THCA	BAP1	cg12859382	-0.0295036111994673	511	-0.66461211998447	0.506600781189815	0.000870463073809333	0.68960963747188
THCA	BAP1	cg16841708	-0.0278598861809933	511	-0.627555191717014	0.530577899406839	0.000776173258017901	0.708450741333648
THCA	BAP1	cg24291822	0.0403206335808352	511	0.908624917926329	0.363979852619324	0.00162575349235997	0.562942576485968
THCA	BAP1	cg24747396	0.0588123625922429	511	1.32655419405664	0.185253397821601	0.00345889399368146	0.363894978019242
THCA	BAP1	cg25749966	0.0774275553671557	511	1.74865948681999	0.0809550856536381	0.00599502633013396	0.204640777687705
THCA	BAZ1A	cg05294307	0.100286903518459	511	2.269568049119	0.0236529561580196	0.0100574630173207	0.0827066734698391
THCA	BAZ1A	cg07414384	-0.0464944926387979	511	-1.0480341061484	0.295122238717529	0.00216173784573924	0.493015363313681
THCA	BAZ1A	cg23422263	-0.017991335917293	511	-0.405170382498987	0.685523178414345	0.000323688168088878	0.819030325041761
THCA	BAZ1A	cg26967526	0.0215329846183978	511	0.484963348544264	0.627911810207394	0.000463669426576155	0.780166283831758
THCA	BAZ1B	cg00525989	0.0523925307452521	511	1.18132729991824	0.238026558098956	0.00274497727789219	0.429616771326978
THCA	BAZ1B	cg04742505	0.104383597252871	511	2.36328035985761	0.0184903465680775	0.0108959353754495	0.0685166247936088
THCA	BAZ1B	cg05166819	-0.00218323983196171	511	-0.0491593872429938	0.960811635914826	4.7665361638642e-06	0.979446254581257
THCA	BAZ1B	cg06059318	0.166620595525116	511	3.80492815435996	0.000159162738416045	0.0277624228531444	0.00143159973087499
THCA	BAZ1B	cg06394887	0.132617793149636	511	3.01272042546486	0.00271856208338056	0.0175874790598796	0.0152302908479409
THCA	BAZ1B	cg14093368	0.156462983432198	511	3.56695512813533	0.000395404493844193	0.0244806651845042	0.00307631735114663
THCA	BAZ1B	cg15636799	0.106360283962769	511	2.40854047155654	0.0163722256770041	0.0113125100046408	0.0624007115926147
THCA	BAZ1B	cg19160975	0.05443604131085	511	1.22753798142283	0.220190090697477	0.00296328259359657	0.408350470487567
THCA	BAZ1B	cg20612831	-0.119548326717733	511	-2.7112733002444	0.00692995005283942	0.0142918024210097	0.0321548690451264
THCA	BAZ1B	cg21340129	0.0463509676541216	511	1.04479192775418	0.296617024051824	0.00214841220247343	0.494609666454196
THCA	BAZ1B	cg25710357	0.191315885173802	511	4.38886364933991	1.38719934403484e-05	0.0366017679198353	0.000174282599757504
THCA	BAZ2A	cg14634319	-0.0218827285169471	511	-0.492843983033089	0.622336203726953	0.00047885380734641	0.776326068866709
THCA	BAZ2A	cg18206859	0.0656890112072725	511	1.48229871498731	0.138882103127376	0.00431504619338917	0.299534081804576
THCA	BAZ2A	cg18955060	-0.0779519207809552	511	-1.76057415224563	0.0789133799073307	0.00607650195344032	0.200988327544228
THCA	BAZ2A	cg25683012	0.00559470951377125	511	0.125976146299635	0.899800746089047	3.13007745434826e-05	0.947175341207411
THCA	BRD7	cg03021120	-0.0146451614820073	511	-0.329795498324857	0.741690702984092	0.000214480754834071	0.854662003939276
THCA	BRD7	cg16433860	-0.0132850231491718	511	-0.299160756844388	0.764939980019204	0.000176491840074031	0.869558997668566
THCA	BRD7	cg16834187	0.0548665610892438	511	1.23727544200421	0.216557578640725	0.00301033952575972	0.403817931225018
THCA	BRD8	cg01096096	0.0610462586566776	511	1.3771263069189	0.169080900491531	0.00372664569597799	0.342422606222845
THCA	BRD8	cg03204906	0.0273639752549456	511	0.61637615118542	0.537922935754224	0.000748787141753274	0.713725898213673
THCA	BRD8	cg03684156	0.0553792223367739	511	1.24763943800721	0.212740214139268	0.00306685826662584	0.399033447901935
THCA	BRD8	cg07430605	-0.0100888732999644	511	-0.227179296964614	0.820375900536942	0.000101785364462735	0.903433124860152
THCA	BRD8	cg07632946	-0.0412095101857795	511	-0.92868944645906	0.353491973653274	0.00169822372975186	0.552543844529382
THCA	BRD8	cg08976717	-0.0751257232937835	511	-1.69637424111548	0.0904288591837694	0.00564387430041412	0.221534330698856
THCA	BRD8	cg11110536	-0.111617588239702	511	-2.52905883829933	0.0117389881504077	0.0124584860044476	0.0483288973419145
THCA	BRD8	cg11346339	-0.0837868218615267	511	-1.8932566766369	0.0588928970763716	0.00702023151765521	0.162415974296609
THCA	BRD8	cg12964860	0.0414353989649236	511	0.933788762835282	0.350857364953609	0.00171689228738239	0.549809634310649
THCA	BRD8	cg14473243	-0.0533323822946516	511	-1.20257863664705	0.229700736639765	0.00284434300122286	0.419783384376854
THCA	BRD8	cg22106577	-0.0337374661670622	511	-0.760087767186096	0.447555423805382	0.00113821662337367	0.639116079070358
THCA	BRD8	cg22818036	0.0214807273673118	511	0.483785872904108	0.628746725331287	0.00046142164822878	0.780729812456858
THCA	BRD8	cg23298160	0.0178967530194051	511	0.403039662476992	0.687088947364914	0.000320293768637585	0.819932467729807
THCA	BRD8	cg26008208	-0.00501333835835597	511	-0.112885056389351	0.910166365851901	2.51335614953634e-05	0.952352212098278
THCA	BRD8	cg26630792	0.0145911004242217	511	0.328577833557197	0.742610472099587	0.000212900211589724	0.855303788145731
THCA	BRD8	cg27119451	-0.0213037594807287	511	-0.479798410217997	0.631577657407877	0.000453850168012738	0.782668468361373
THCA	BRD9	cg02364331	-0.0108860982156541	511	-0.245133103115219	0.806452559463469	0.000118507134360867	0.895075584958934
THCA	BRD9	cg02822723	0.111704931929593	511	2.53106288992648	0.0116729784467139	0.012477991817395	0.048102960339213
THCA	BRD9	cg05193570	-0.0525963672397422	511	-1.18593605424552	0.236203039630671	0.00276637784681782	0.427488815955436
THCA	BRD9	cg07308931	0.0523572773881047	511	1.18053023461266	0.238342936703753	0.00274128449549494	0.430001169247025
THCA	BRD9	cg09497020	-0.00484853208893455	511	-0.109066314372714	0.913193130573386	2.3508263417428e-05	0.954120450727615
THCA	BRD9	cg10551270	-0.0111095101895657	511	-0.250164507522224	0.80256146636458	0.000123421216652065	0.892310076170483

THCA	BRD9	cg10600960	0.0276361724444293	511	0.622512082114555	0.533885074413776	0.000763758027378233	0.710865975403849
THCA	BRD9	cg13722821	-0.0199351276927711	511	-0.448961721900782	0.653651106978311	0.000397409316127089	0.797874446373418
THCA	BRD9	cg17977043	0.00856707119708332	511	0.192908912986963	0.847107555145152	7.33947088958947e-05	0.918362543379237
THCA	BRD9	cg20079193	-0.0790725170664789	511	-1.78604135541701	0.0746900711961306	0.0062524629552286	0.19327543487449
THCA	BRD9	cg21160852	0.0068628394526009	511	0.154531865166634	0.877251883880384	4.70985653521754e-05	0.934951749545718
THCA	BRD9	cg21758832	0.0223191845656728	511	0.50267872075953	0.615408446714434	0.000498145999676566	0.771159356107862
THCA	BRD9	cg21910709	-0.043726080006314	511	-0.98550787984849	0.324844727234879	0.00191197007222161	0.524208616974235
THCA	BRD9	cg24953233	-0.0892484053598507	511	-2.01762759095837	0.0441563984414557	0.00796527785927623	0.131748418098968
THCA	BRD9	cg25523559	0.00275221800053235	511	0.061970993041966	0.95061035392507	7.57470392245428e-06	0.973895512856519
THCA	BRD9	cg25951128	-0.0322020046241007	511	-0.725457841733546	0.468505911699103	0.0010369691018106	0.657457611756371
THCA	BRD9	cg26504197	-0.00772457427811697	511	-0.173936805914202	0.861984553600042	5.96690477781463e-05	0.926703975384001
THCA	BRDT	cg00308185	-0.00223038933404554	511	-0.050221044329823	0.959966020410905	4.97463658142408e-06	0.979061311921597
THCA	BRDT	cg01515515	0.00586808560050601	510	0.132001594229385	0.895035501653291	3.4434428614866e-05	0.944229015278016
THCA	BRDT	cg02935097	-0.00327410503077438	511	-0.0737223065579489	0.941260425180248	1.07197637525421e-05	0.968692218868281
THCA	BRDT	cg03421440	-0.116216215914992	511	-2.63465365448887	0.0086799447737227	0.0135062088416	0.0382316625369145
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THCA	BRDT	cg09250199	-0.0915474344750064	511	-2.07003516581973	0.0389548410674683	0.0083809327589556	0.120132121858504
THCA	BRDT	cg13299824	-0.13629322996725	511	-3.09777515339941	0.002057891698669	0.0185758445349058	0.0121733424687291
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THCA	BRDT	cg19245011	-0.0166162177791183	511	-0.374193395219646	0.708416880367699	0.000276098693283086	0.833846498688568
THCA	BRPF1	cg04879506	0.00254012626397921	511	0.0571953452284631	0.954412119800396	6.45224143695695e-06	0.975799988281763
THCA	BRPF1	cg13694772	-0.00969842831562776	510	-0.218171011061482	0.827383828643124	9.40595117933703e-05	0.907284687220207
THCA	BRPF1	cg14712964	0.0923491357909549	511	2.08831817311466	0.0372674840451275	0.00852836288133623	0.116249784761988
THCA	BRPF1	cg17738494	0.00711771214329441	511	0.160271167722306	0.872731304538849	5.06618261548008e-05	0.932574070678172
THCA	BRPF1	cg20952324	0.0155013785949348	511	0.349081222440485	0.727173262849054	0.000240292738343502	0.845611480314499
THCA	BRPF1	cg25467642	0.0346239683836981	511	0.780083871181841	0.435705529356562	0.00119881918663532	0.628859992674963
THCA	BRPF1	cg26227975	-0.00687100781652546	511	-0.154715802454043	0.877106941996852	4.72107484147539e-05	0.934920074586898
THCA	BRPF3	cg01499736	0.0423185686461534	511	0.95372722223733	0.340676216330612	0.0017908612522592	0.539947937697495
THCA	BRPF3	cg05882415	0.0154760080843388	511	0.348509757637728	0.727602056849781	0.000239506826226521	0.845937718173678
THCA	BRPF3	cg10562781	0.0694559578538994	511	1.56770219376737	0.117574536687666	0.00482413008140264	0.267031976817282
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THCA	BRPF3	cg23517469	-0.0343401267658767	511	-0.77368129005336	0.439479876532147	0.00117924430629648	0.632133839435366
THCA	BRWD3	cg03164831	0.0277548938109432	511	0.625188369471872	0.532128716463682	0.000770334130456732	0.709644827520412
THCA	BRWD3	cg05835545	-0.0142231305467699	511	-0.320289800288331	0.748880612239252	0.00020229744255046	0.859325552278288
THCA	BRWD3	cg09523186	0.0513631838937431	511	1.15805596079167	0.247386425507658	0.00263817665970248	0.440655300314667
THCA	BRWD3	cg11957438	0.0302242867253174	511	0.680861059899646	0.496270238995402	0.0009135075080542	0.681052921700007
THCA	BRWD3	cg15511898	0.0562192681984555	511	1.26787538852305	0.205424397089211	0.00316060611676987	0.389675063006495
THCA	BRWD3	cg22618269	0.0498374928012882	511	1.12357012108408	0.261727162439528	0.00248377568871845	0.457081431074264
THCA	BRWD3	cg25063710	0.0355024599854145	511	0.799901104838082	0.424142716884982	0.00126042466501596	0.619161931983831
THCA	BRWD3	cg25708850	-0.0324663754493645	509	-0.729975869102442	0.465743406642747	0.0010540655348191	0.655009447877244
THCA	CARM1	cg12317676	-0.0671551647728901	511	-1.51553129131167	0.130261100670193	0.00450981615567402	0.286597999477828
THCA	CARM1	cg17918830	-0.02345120562464	511	-0.528188096213263	0.597599895319217	0.000549959045249146	0.758383815214485
THCA	CARM1	cg22378614	-0.042377842710435	511	-0.955065474578662	0.339999731309553	0.00179588155279037	0.539244426044757
THCA	CARM1	cg26504915	-0.102059713752084	511	-2.31010666870192	0.0212829345625476	0.0104161851711573	0.0763586501572121
THCA	CBX1	cg01544580	0.0211169985440965	511	0.475590338222242	0.634571100577122	0.000445927627511375	0.784742775443082
THCA	CBX1	cg01553295	0.0316342774739386	511	0.712654961962161	0.476387137320892	0.00100072751129814	0.66416889083567
THCA	CBX1	cg02835499	-0.0252916110753309	511	-0.569664846686727	0.569157349900765	0.000639665590785802	0.73743424399887
THCA	CBX1	cg04864609	-0.089658155487827	511	-2.02696565438879	0.0431886954611962	0.00803858484547936	0.129542773546742
THCA	CBX1	cg11729481	0.133061819306232	511	3.02298901498425	0.00262958432331449	0.0177054477570842	0.0148214666604787
THCA	CBX1	cg12245530	0.136374996082812	511	3.09966880304262	0.0020450274036777	0.0185981395565871	0.0121110583009823
THCA	CBX1	cg13342109	-0.0213001675675614	510	-0.479244149576538	0.631971998179082	0.000453697138406197	0.78300714536019
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THCA	CBX1	cg21511817	-0.0243980285154902	511	-0.549525705639122	0.582886692834621	0.000595263795442671	0.747984880035243
THCA	CBX4	cg04398978	0.0599225879187381	511	1.35168551048461	0.177078674950928	0.00359071654287889	0.353258242874461
THCA	CBX4	cg04925705	-0.00623327588721213	511	-0.140355283634703	0.888435029057648	3.88537282861002e-05	0.940764400604207
THCA	CBX4	cg05949524	0.0648330601010165	511	1.46290176726778	0.144113885773423	0.00420332568206201	0.307307593603905

THCA	CBX4	cg07159673	-0.130596633772459	511	-2.96600213802433	0.00315925654228761	0.0170554807526977	0.017177187828538
THCA	CBX4	cg10756274	-0.0188260827791191	511	-0.423975654131407	0.671763392427417	0.000354421392806245	0.809946618324438
THCA	CBX4	cg21365914	0.044514820936635	510	1.00232972132681	0.31666345099863	0.00198156928302068	0.515958168815829
THCA	CBX4	cg22353329	0.0752491908654731	511	1.69917806051473	0.0898990701380178	0.0056624407259084	0.220627697225158
THCA	CBX4	cg27487227	0.0838887257545503	511	1.89557561795649	0.0585846288838867	0.00703731830872214	0.161838451027772
THCA	CBX5	cg03689456	0.0581201369593464	511	1.31088732106433	0.190489278983328	0.00337795032017319	0.370741862080734
THCA	CBX5	cg05754589	0.106337727003085	511	2.40802382397139	0.0163951440568007	0.0113077121841826	0.062469686214797
THCA	CBX5	cg06399839	-0.00687457446019267	511	-0.154796117049071	0.877043655697072	4.72597740087333e-05	0.934920074586898
THCA	CBX5	cg06621757	0.145372693929538	511	3.30845340966494	0.00100478702196768	0.0211332201403311	0.0067419701213519
THCA	CBX5	cg08288469	0.218838524228154	511	5.04991725537627	6.17569267679691e-07	0.0478902996863562	1.11572651207324e-05
THCA	CBX5	cg09060496	0.121843643158309	510	2.76137916705813	0.00596493335343905	0.0148458733780894	0.0285334320828297
THCA	CBX5	cg09158487	-0.0222398689151246	511	-0.50089146661906	0.61666488976622	0.000494611769361926	0.772264206000853
THCA	CBX5	cg09653879	-0.0132967306867633	511	-0.299424441359306	0.764738921398202	0.000176803046956312	0.869459373795
THCA	CBX5	cg11005091	0.124023602218499	511	2.81432600120467	0.00507795766350621	0.0153818539072526	0.0250943106641343
THCA	CBX5	cg11338003	0.0750779751050693	511	1.69528995074349	0.0906344130412442	0.0056367023458774	0.221870213918957
THCA	CBX5	cg12263485	0.124713831420852	511	2.83023534633908	0.00483594700898551	0.0155535397476687	0.0241390864046852
THCA	CBX5	cg12600134	0.25151529865644	511	5.85138724673015	8.75524672144774e-09	0.0632599454582382	2.42472646297012e-07
THCA	CBX5	cg13445218	0.0768902757331746	511	1.736452897803	0.0830912156799425	0.00591211450232362	0.208522792109599
THCA	CBX5	cg14017196	0.0932251844185143	511	2.10830137516033	0.0354949817661866	0.008690935009866	0.112016770447913
THCA	CBX5	cg14394617	0.261081073702426	511	6.08989031414633	2.23415893730462e-09	0.0681633270456114	6.92171088684492e-08
THCA	CBX5	cg15708001	-0.00905704874396955	510	-0.20374163023613	0.838637320388465	8.20301319506404e-05	0.913684707290038
THCA	CBX5	cg20545544	0.117040561744232	511	2.65360043000969	0.00821378715184931	0.0136984930934053	0.0366633553515131
THCA	CBX5	cg20927027	0.18179568996144	511	4.16279936872119	3.69378360981472e-05	0.033049672888556	0.000408173582587963
THCA	CBX5	cg21826008	0.0830707058328275	511	1.87696230846631	0.0610972851518164	0.00690074216756416	0.166794796143202
THCA	CBX5	cg24505978	0.184849224136275	511	4.23517240604018	2.71248823011896e-05	0.0341692356637826	0.000312156645429091
THCA	CBX5	cg25817259	0.171338779159347	511	3.91588454992023	0.000102397387579745	0.0293569772438153	0.000983572954799679
THCA	CBX6	cg03028106	-0.0632828761629865	510	-1.42637207605537	0.154377651931505	0.00400472241545989	0.321885084358818
THCA	CBX6	cg04134624	0.115203758825117	511	2.61139087495976	0.00928464080324614	0.0132719060474357	0.0402524156624906
THCA	CBX6	cg04215348	0.0619322039628137	511	1.39718851153595	0.16296805118758	0.00383559788769155	0.333744085452566
THCA	CBX6	cg04801716	0.041229436554041	511	0.929139267640744	0.353259066190354	0.0016998664385637	0.552298582184207
THCA	CBX6	cg06060673	0.0268034557459011	511	0.603741223646427	0.546285724513815	0.000718425239922478	0.719910415585238
THCA	CBX6	cg09913544	-0.020322266916922	511	-0.457684105002723	0.647375483198068	0.00041299453264262	0.793318201257137
THCA	CBX6	cg14498989	-0.0491544228160887	511	-1.10813297193237	0.268329801087062	0.00241615728238283	0.464119385034827
THCA	CBX6	cg24649346	0.0781609738068594	511	1.76532467815424	0.0781111294644051	0.00610913782643656	0.199447835545145
THCA	CBX6	cg25836955	-0.129346742119004	511	-2.93713026095696	0.00346331179014538	0.0167305796968001	0.0184904864046784
THCA	CBX7	cg00545295	-0.106951294584025	511	-2.42207839969069	0.0157816629809457	0.0114385794131988	0.0606820230298385
THCA	CBX7	cg01525244	-0.0177269883424415	511	-0.39921530902448	0.689902665919074	0.000314246115693055	0.821764909318621
THCA	CBX7	cg02523424	0.0469285933395889	511	1.05784068342914	0.290631829781517	0.00220229287283251	0.488260971926389
THCA	CBX7	cg03804568	0.00589032195287647	511	0.13263268056375	0.894536507412244	3.46958927085385e-05	0.944028921939992
THCA	CBX7	cg10339854	0.00640010930082474	511	0.144112039824905	0.885469261453535	4.09613990625034e-05	0.939295785501204
THCA	CBX7	cg22268271	0.013502852301153	511	0.304066862091135	0.76120170617883	0.000182327020266753	0.867215241205494
THCA	CBX7	cg26672614	0.0600114814573278	511	1.35369794154047	0.176435914124519	0.0036013779067032	0.352400716408709
THCA	CBX7	cg27062573	0.0321392524414283	511	0.724042675770986	0.469373488763958	0.00103293154749385	0.658220653473097
THCA	CDYL2	cg01442398	-0.0621541836961106	511	-1.4022157533871	0.161462792992981	0.00386314255092987	0.331729153283376
THCA	CDYL2	cg02461391	-0.0154434537199644	511	-0.347776479199051	0.728152391712391	0.000238500262800682	0.846294476773488
THCA	CDYL2	cg06919916	-0.0147418526089627	510	-0.331645813367048	0.740294037692342	0.00021732221834438	0.853836741363668
THCA	CDYL2	cg10112854	0.138944872449549	511	3.15921857034288	0.00167633627907112	0.0193056775800215	0.0102984209503324
THCA	CECR2	cg03927893	-0.116452921939402	511	-2.64009354220224	0.00854373518503159	0.0135612830282244	0.0377964933172788
THCA	CECR2	cg12632097	-0.061974319727701	511	-1.39814230392165	0.162681653495959	0.0038408163057113	0.333333066928244
THCA	CECR2	cg13466481	-0.0516320268166851	510	-1.16298493899964	0.245383776720862	0.00266586619319889	0.438298202069635
THCA	CECR2	cg26796679	-0.105569603631915	511	-2.3904328634396	0.0171925303944079	0.0111449412109996	0.0648315903782146
THCA	CHAF1A	cg03006338	-0.0206635390818843	511	-0.465373257776522	0.641864008660622	0.000426981847388559	0.789630463145797
THCA	CHAF1A	cg04346879	-0.0781865016135225	511	-1.76590478867668	0.0780136205285704	0.00611312903456136	0.199294268898029
THCA	CHAF1A	cg05297461	0.0613099445842648	511	1.38309712309548	0.167243859886332	0.00375890930492563	0.339985597261349
THCA	CHAF1A	cg07783855	-0.0427966547666923	511	-0.964521437049767	0.335244386029282	0.00183155365921944	0.534813525863794
THCA	CHAF1A	cg09700233	0.00434909844798031	511	0.0979280993698707	0.922028089199479	1.89146573102247e-05	0.959081862757632
THCA	CHAF1A	cg18804734	0.030949452216824	511	0.697212307064088	0.485989509712959	0.000957868592521472	0.672520197068679

THCA	CHAF1A	cg23811775	0.0310202572151162	511	0.698808897858651	0.484991893452354	0.000962256357691968	0.671633692587554
THCA	CHAF1A	cg24085258	-0.0723841463709897	511	-1.63413587013446	0.102851070775629	0.00523946464585686	0.243049702306175
THCA	CHAF1B	cg00660452	0.00297629456624787	511	0.0670165111192432	0.946594977824232	8.85832934507662e-06	0.971516559245357
THCA	CHAF1B	cg02544117	0.0341033080165035	511	0.768339541594073	0.442643214456437	0.00116303561766851	0.634992093260507
THCA	CHAF1B	cg02908490	0.0221457303356168	511	0.498770213234399	0.618157597221628	0.000490433372097858	0.773294926889443
THCA	CHAF1B	cg04634639	0.0434733179483303	511	0.979800255497073	0.327652023107484	0.00188992937343662	0.527173408732469
THCA	CHAF1B	cg07872789	-0.0549036475483448	511	-1.23689267006825	0.216700679155914	0.00301441051411287	0.403997618727358
THCA	CHAF1B	cg13854874	-0.0598701945877271	511	-1.350499410527	0.177458328157718	0.00358444019997231	0.35375775111778
THCA	CHAF1B	cg25942896	0.0487611697029174	511	1.09924629380979	0.272182349409468	0.00237765167079671	0.468552078914988
THCA	CHD1	cg03255775	0.00676936930231306	511	0.15242708284527	0.878910737031739	4.58243607510984e-05	0.935697233349594
THCA	CHD1	cg03833628	-0.0906096164787282	511	-2.04865313094671	0.0410103695241232	0.00821010259842222	0.124618596412626
THCA	CHD1	cg08865521	0.00214396508538961	511	0.0482750448984634	0.961516053085267	4.59658628736969e-06	0.979823418084945
THCA	CHD1	cg11365324	-0.0931192478989334	509	-2.10172691414551	0.0360719546600161	0.00867119432926302	0.11342931951376
THCA	CHD1	cg12662497	-0.0624321585334665	511	-1.40851142788902	0.159592619757238	0.0038977744191479	0.329214792675927
THCA	CHD1	cg16890600	0.00392036719129786	511	0.0882742554339347	0.929693556223452	1.53692789146046e-05	0.962736016623811
THCA	CHD1	cg21082921	-0.0806226129786169	511	-1.82128082286393	0.0691533644018252	0.00650000572349985	0.182728739861947
THCA	CHD4	cg00079216	-0.0712280091033078	511	-1.60790087115876	0.108479410522347	0.0050734292808209	0.252484659591176
THCA	CHD4	cg00824109	0.000329111702411267	511	0.00741049687057562	0.994090247977611	1.08314512664042e-07	0.996960896624601
THCA	CHD4	cg04344119	0.0368955684936679	511	0.83133102074728	0.406177999528587	0.00136128297447094	0.602478908142066
THCA	CHD4	cg05147525	-0.414842237265892	511	-10.2658863938204	1.36617659012215e-22	0.172094081819771	2.25648283762129e-20
THCA	CHD4	cg11565429	-0.219178674373937	511	-5.05816234000049	5.9269126779444e-07	0.0480392913003164	1.07516091486892e-05
THCA	CHD4	cg19509514	-0.02797347589523202	511	-0.630115845603587	0.528902673168471	0.000782515353661025	0.707249130468206
THCA	CHD4	cg20308811	0.0504513031933095	511	1.13744337467126	0.255890243352088	0.00254533399390324	0.45015434831831
THCA	CHRA1	cg00296189	-0.0238313218556452	511	-0.536754225022532	0.591672845425918	0.000567931901387351	0.754238968917861
THCA	CHRA1	cg07270064	-0.0570871303010215	511	-1.28751120505973	0.19850357262722	0.00325894044600581	0.381124115922848
THCA	CHRA1	cg08877624	-0.0278865397956257	511	-0.6281560421883	0.530184569670347	0.000777659101773017	0.708141131586121
THCA	CHRA1	cg12002314	-0.0335748333741064	511	-0.756419588935691	0.449748998144749	0.00112726943609901	0.640903670104894
THCA	CHRA1	cg18770186	0.0716776359943397	511	1.61810299819877	0.106262314337512	0.00513768350173706	0.248685974596806
THCA	CHRA1	cg19486048	-0.0433647482135257	511	-0.977348698343758	0.328862655722181	0.00188050138762248	0.528585566926681
THCA	CHRA1	cg22610305	-0.0870002491525389	511	-1.96641113461866	0.0497962259763049	0.00756904335260384	0.143864804976442
THCA	CHRA1	cg23548819	-0.00726092137609324	511	-0.163334693167956	0.870320133293936	5.27209792298077e-05	0.931199929161419
THCA	CLOCK	cg05960024	-0.00642691264491594	511	-0.144715598863102	0.884992931225484	4.13052061453803e-05	0.939000243101301
THCA	CLOCK	cg06085476	0.0176695442775863	511	0.397921252562268	0.690855728019962	0.000312212794977583	0.822320952699557
THCA	CLOCK	cg07236904	-0.0141629949857737	511	-0.318935339027324	0.749906899388385	0.00020059042696705	0.859926258914521
THCA	CLOCK	cg07500410	0.00912071658617474	511	0.205376621431517	0.837360316354208	8.31874710453229e-05	0.912945059668339
THCA	CLOCK	cg11774413	-0.0690406575760085	511	-1.55828334981232	0.119790062981211	0.00476661239852766	0.270396592373501
THCA	CLOCK	cg18928811	0.0755456491147729	511	1.70591063841909	0.0886371613388952	0.00570714510017239	0.218542067989288
THCA	CLOCK	cg22523077	-0.0554888141916378	511	-1.25135073557139	0.211383616913368	0.0030790085003941	0.397379950078743
THCA	CLOCK	cg23506964	0.0104692809313448	511	0.235746164326014	0.813724843016315	0.00010960584321942	0.89966670603946
THCA	CREBBP	cg00039463	-0.0574277715580807	511	-1.29521918255762	0.195834082746438	0.0032979489461271	0.377674754764503
THCA	CREBBP	cg00747661	0.0604189497785002	511	1.36292289483164	0.173511818274118	0.00365044949233693	0.348483977663468
THCA	CREBBP	cg03039399	-0.0434914685377853	511	-0.980210107981616	0.327449912365986	0.00189150783557317	0.526957209875664
THCA	CREBBP	cg03264209	-0.0121949316703511	511	-0.274609556448274	0.783728083115562	0.000148716358444532	0.880650998280686
THCA	CREBBP	cg08506924	0.0621573225049698	511	1.4022868404323	0.161441583847368	0.00386353274098682	0.331709539216685
THCA	CREBBP	cg24567591	0.0200979809535775	511	0.452630838392499	0.651008205541451	0.000403928838410366	0.795947261298354
THCA	CTCF	cg01866162	0.0576233691271719	511	1.29964533894741	0.194313156888812	0.00332045266956631	0.375646671976548
THCA	CTCF	cg04487155	0.0227915056877006	511	0.513321936376479	0.607949748232557	0.000519452731512489	0.765809169888979
THCA	CTCF	cg06241380	0.0523936035186409	511	1.18135155499536	0.238016935212366	0.00274508968966854	0.429616771326978
THCA	CTCF	cg07967402	0.105801640791387	511	2.39574633928108	0.0169481517523474	0.0111939871941497	0.0640715578492621
THCA	CTCF	cg08324636	0.102700852865569	511	2.32477296804925	0.0204780876449959	0.0105474651793153	0.0741619268309117
THCA	CTCF	cg10218542	-0.0420467434873667	511	-0.947590254690062	0.343789512135354	0.00176792863789242	0.543151123214007
THCA	CTCF	cg10481400	0.00884568498048316	511	0.199183078387532	0.842199389610958	7.82461427739454e-05	0.915566814810392
THCA	CTCF	cg23858565	0.0700173151148534	511	1.58043485430816	0.11463094708182	0.00490242441589267	0.262344077938429
THCA	CXXC1	cg02159718	-0.0612972583834507	511	-1.38280985435055	0.167331898024807	0.00375735388532752	0.340084585389186
THCA	CXXC1	cg07675399	-0.116208542597726	511	-2.63447731685394	0.00868439249047471	0.0135044253726875	0.0382435795129932
THCA	CXXC1	cg11871295	0.126405609804528	511	2.86924746852291	0.00428617586886727	0.0159783781900545	0.0219497574578803
THCA	CXXC1	cg13423076	-0.0712739724405208	511	-1.60894374346119	0.108251105484992	0.00507997914745212	0.252126777644366

THCA	CXXC1	cg15632775	0.0945129248462012	511	2.13768449840799	0.0330199731776545	0.00893269296298368	0.106015509425607
THCA	CXXC1	cg20016845	-0.132237018088645	511	-3.00391605737509	0.00279704020191342	0.0174866289529766	0.0155694676079589
THCA	CXXC1	cg27419474	-0.113788423625488	511	-2.57888514998133	0.0101927231144013	0.0129478053511734	0.0432580276919289
THCA	DAXX	cg00221327	0.0720364272345369	511	1.62624475654304	0.104518950552939	0.00518924684871673	0.245848493916951
THCA	DAXX	cg02173004	0.0520506897044921	511	1.17359858729053	0.241106867391632	0.00270927429871332	0.433308472366381
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THCA	DAXX	cg03085224	-0.0485060643992148	511	-1.09348173459421	0.274701608403237	0.00235283828350077	0.471154109048689
THCA	DAXX	cg03369465	0.0274342249153225	511	0.617959721809609	0.536879367818721	0.000752636696704503	0.712924920457626
THCA	DAXX	cg03382121	0.0418781335245328	511	0.943783671602623	0.345729726096812	0.0017537780674986	0.544995421960323
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THCA	DAXX	cg04086445	-0.0765314287858719	511	-1.72830101342915	0.0845431229051037	0.00585705959200698	0.211192206771551
THCA	DAXX	cg04152866	0.0027657193059645	511	0.0622750008237862	0.950368378683259	7.64920327938476e-06	0.973775850209228
THCA	DAXX	cg04271391	-0.00030012597718358	511	-0.0067578350393499	0.994610726964745	9.00756021804012e-08	0.997161503879056
THCA	DAXX	cg04488476	0.00251532441527151	510	0.0565810025837021	0.954901303008925	6.32685691406095e-06	0.976007591673894
THCA	DAXX	cg04973788	0.0215963504407528	511	0.486391131091396	0.626900049866004	0.000466402352359806	0.779413750805135
THCA	DAXX	cg05431670	-0.014711666007664	509	-0.330639357803379	0.741054047308598	0.000216433116721057	0.854392899923449
THCA	DAXX	cg05532204	-0.0454441282321471	511	-1.02430823839079	0.30617817871829	0.00206516879077983	0.504654876720837
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THCA	DAXX	cg07689821	0.0072571493085539	510	0.163249835899776	0.870386908179508	5.26662160866444e-05	0.931222112890113
THCA	DAXX	cg08375286	0.0623709749328974	511	1.40712569141651	0.16000284535544	0.00389013851408011	0.329759242333012
THCA	DAXX	cg08567382	0.0133008103636394	511	0.299516326433211	0.764668863051178	0.000176911556329498	0.869443120656977
THCA	DAXX	cg09097215	0.0408884419977983	511	0.921441751950055	0.35725808483052	0.00167186468900732	0.556139901775033
THCA	DAXX	cg09432361	-0.0344413743457989	511	-0.775965097912059	0.438131407353094	0.00118620826682745	0.630913290929613
THCA	DAXX	cg09615909	-0.014733209872203	511	-0.331778695879898	0.740193477336648	0.000217067473138379	0.853771389664574
THCA	DAXX	cg11111423	-0.0117839925263178	510	-0.265092763490984	0.791045958491223	0.000138862479860313	0.885295046824522
THCA	DAXX	cg12025215	0.0162195075553675	511	0.365257192783373	0.715071753687361	0.000263072425338624	0.837977404289507
THCA	DAXX	cg12832355	-0.0386178141262095	510	-0.869334724696513	0.385076245290284	0.00149133556788647	0.583176713637135
THCA	DAXX	cg12923297	-0.00101596510011913	511	-0.0228761530438159	0.981758062920753	1.03218508466008e-06	0.990569463137883
THCA	DAXX	cg13443893	0.0907421718991898	511	2.05167502924489	0.0407143852459653	0.00823414176098211	0.123912792372154
THCA	DAXX	cg13826470	-0.0437685988359139	511	-0.986468017016908	0.324374030882398	0.00191569024405916	0.523784240580885
THCA	DAXX	cg14539675	-0.0704436198993576	510	-1.58853634754548	0.112789724036922	0.00496230358452517	0.259622166353136
THCA	DAXX	cg14622330	0.0696627304606652	511	1.57239201876788	0.116483476704214	0.00485289601523529	0.265228529185472
THCA	DAXX	cg14746369	-0.0639632165244355	511	-1.44319332011604	0.149583573199786	0.00409129306815182	0.315076070005258
THCA	DAXX	cg14910283	-0.013576660821965	511	-0.305729240609662	0.75993629635025	0.00018432571907468	0.866458804606058
THCA	DAXX	cg16922466	0.0535359450508432	511	1.20718189094876	0.22792499380746	0.0028660974124869	0.417735404237327
THCA	DAXX	cg17079757	0.147115127383633	511	3.34898037487536	0.000871462379650129	0.0216428607051027	0.00598363145300107
THCA	DAXX	cg17504991	0.0579591781062034	511	1.30724467477367	0.191722164176121	0.00335926632674661	0.372199251823447
THCA	DAXX	cg18187593	-0.0168646724840629	511	-0.379790117997919	0.704260252803654	0.00028441717799471	0.831189583313007
THCA	DAXX	cg18279148	-0.112970949728932	510	-2.5575916315543	0.0108303553770315	0.012762435482657	0.0453781798998648
THCA	DAXX	cg18486541	0.0259181029210846	511	0.583785235475811	0.559624435259859	0.000671748059027934	0.730349835035069
THCA	DAXX	cg18944910	-0.00896868500072045	511	-0.201952957718011	0.840034506515783	8.04373106421481e-05	0.914303692727583
THCA	DAXX	cg18967278	-0.0737041778348128	511	-1.66409804954854	0.0967107229393371	0.00543230583030571	0.23251998402682
THCA	DAXX	cg20223162	-0.0779594840250099	510	-1.75900872251594	0.0791804037881588	0.00607768114944577	0.201483721454142
THCA	DAXX	cg20763184	-0.0044432175075365	511	-0.100047407719657	0.920346236055824	1.97421818192788e-05	0.958132578857785
THCA	DAXX	cg21286626	-0.013913626996413	511	-0.313318744381191	0.754167363650273	0.000193589016195312	0.862622369215596
THCA	DAXX	cg24328964	-0.0929961088980734	511	-2.10307554822432	0.0359514002307978	0.00864827627018232	0.113139289221468
THCA	DAXX	cg24496586	0.0151123885485276	511	0.340319386286448	0.73375697580746	0.000228384287641669	0.849799618525339
THCA	DAXX	cg24513883	-0.0263021471683052	511	-0.592441480002492	0.553819120711655	0.000691802945663183	0.725695306921836
THCA	DAXX	cg24728112	-0.0133885189916755	511	-0.301491759489788	0.763163149842087	0.000179252440790455	0.868292710476275
THCA	DAXX	cg25642825	-0.0505253213191844	511	-1.1391164086253	0.255192522385144	0.00255280809440683	0.449485975647654
THCA	DAXX	cg26521092	0.0126584098129352	511	0.285047954500139	0.775723804479355	0.000160235338992213	0.875820795090112
THCA	DAXX	cg27052777	-0.0563677804247759	511	-1.27123534661615	0.204227837786331	0.00317732667001575	0.388281451017886
THCA	DAXX	cg27393652	0.0575551722688856	511	1.29810210253929	0.194842456972913	0.0033125978549011	0.376375299687088
THCA	DIDO1	cg00080059	0.100511174332592	511	2.27469520560146	0.0233410434028183	0.0101024961657167	0.0818256559181132
THCA	DIDO1	cg01488865	0.0711098542702825	511	1.60522007730562	0.109068042301265	0.00505661137434082	0.253384676664415
THCA	DIDO1	cg06646488	0.0934038363743634	509	2.10820659837354	0.0355051589762289	0.00872427664944886	0.112029541163932
THCA	DIDO1	cg08610063	-0.00954199165024368	511	-0.214863568311199	0.829960086975592	9.10496046533202e-05	0.908681067855353

THCA	DIDO1	cg13815390	-0.109129715026648	511	-2.47200072492088	0.013763144913604	0.0119092947017975	0.0546409847108401
THCA	DIDO1	cg20969846	0.0632866011433287	510	1.42645637331932	0.154353344828316	0.00400519388427477	0.32185494016227
THCA	DIDO1	cg21212389	0.0607317068652735	511	1.37000407951971	0.171292002334824	0.00368834021876951	0.345425772601169
THCA	DIDO1	cg21687703	0.0151504899151071	511	0.341177596549845	0.733111232516967	0.000229537344667763	0.849393186307651
THCA	DIDO1	cg22394521	-0.0535438838539273	511	-1.20736141765512	0.227855939222415	0.00286694749816286	0.417658041419113
THCA	DMAP1	cg01604592	-0.0578199334977762	511	-1.30409352426352	0.192793438626398	0.00334314470968726	0.373618632501358
THCA	DMAP1	cg11683482	0.0809336524837537	511	1.82835350585956	0.0680839062403163	0.00655025610436101	0.180700740406645
THCA	DMAP1	cg15990015	-0.083315581132702	511	-1.88253382381865	0.0603359526572259	0.00694148605947985	0.165320340272479
THCA	DMAP1	cg18017761	-0.0730985290093929	511	-1.6503499021587	0.099490699280859	0.00534339494333706	0.237409265355515
THCA	DMAP1	cg18167340	0.0041814111774186	510	0.0940593408409357	0.925099251402107	1.74841994346412e-05	0.96057408688586
THCA	DMAP1	cg21437596	0.0548307474065411	511	1.23646538478641	0.216858106821938	0.00300641086115992	0.404165198775924
THCA	DMAP1	cg23021241	-0.0724494408863512	511	-1.63561772597903	0.10254024376986	0.0052489214847449	0.242558327723187
THCA	DMAP1	cg23451311	-0.0554642683964444	511	-1.25079548490956	0.211586009146214	0.00307628506875282	0.397652503888356
THCA	DMAP1	cg24485408	-0.0316489181171016	511	-0.712985116050437	0.476182989325148	0.001001654017983	0.663981277832636
THCA	DNMT1	cg04160663	-0.0815258528874794	511	-1.84182095463703	0.066085213118846	0.00664646468903094	0.176704882080251
THCA	DNMT1	cg04762346	-0.0549061470987136	511	-1.23817082974065	0.216225743085781	0.00301468498922557	0.403479622394224
THCA	DNMT1	cg06128182	-0.0368989256246633	511	-0.831406766755193	0.406135262387521	0.00136153071225443	0.602461464869951
THCA	DNMT1	cg06716436	-0.0594607898499002	511	-1.34123153687193	0.180445796586741	0.003535585529574	0.357549969963945
THCA	DNMT1	cg10635912	-0.103397630366165	511	-2.34071533765902	0.0196335326526623	0.0106910699653382	0.0717873349475363
THCA	DNMT1	cg11380607	0.0182801217079993	511	0.411676083542151	0.680750835188652	0.000334162849659266	0.815848078516545
THCA	DNMT1	cg13393778	-0.076693822691517	511	-1.73199001302052	0.0838835561538793	0.00588194243903785	0.209969348030338
THCA	DNMT1	cg15043801	0.00357796014792113	511	0.080564229612709	0.93582030552782	1.28017988201118e-05	0.965776586251591
THCA	DNMT1	cg21893394	0.00224585307670831	511	0.050569238789659	0.959688691466725	5.0438560421602e-06	0.978941860693937
THCA	DNMT1	cg23401624	0.0064742811537796	511	0.145782246070213	0.884151232745477	4.19163164581857e-05	0.938575945310668
THCA	DNMT1	cg24477899	-0.0862986677820666	511	-1.95043426767949	0.0516750135468314	0.0074474600609595	0.147799772192441
THCA	DNMT1	cg27429799	0.00670363552085607	511	0.150946876846616	0.880077659399775	4.49387291964832e-05	0.936359876300584
THCA	DNMT3A	cg02208653	-0.0642896019687545	511	-1.45058799607293	0.147512997125595	0.00413315292130088	0.312247603871169
THCA	DNMT3A	cg03463641	-0.0946170613348007	511	-2.14006111243485	0.0328264249361106	0.00895238829563345	0.105542192985609
THCA	DNMT3A	cg06112956	-0.0831009925548778	511	-1.87765138730984	0.0610026940417021	0.00690577496360586	0.166610092318866
THCA	DNMT3A	cg07150430	0.0288750922339915	511	0.650441865003846	0.515701477387634	0.000833770951521516	0.696961202388617
THCA	DNMT3A	cg12066181	-0.0413973222790524	511	-0.932929192323958	0.35130059295507	0.00171373829187573	0.550262623089579
THCA	DNMT3A	cg13076778	-0.0780614555220103	511	-1.76306319311264	0.0784922058915499	0.00609359083821479	0.200171206855507
THCA	DNMT3A	cg13344237	-0.0875698080035734	511	-1.97938366599243	0.0483133012409372	0.00766847127378271	0.140635545621608
THCA	DNMT3A	cg15990840	0.0177660330287925	511	0.40009488045531	0.689255150058738	0.000315631929580145	0.821333177251232
THCA	DNMT3A	cg15998962	-0.072338027867099	511	-1.6330892256648	0.1030710624722	0.00523279027570119	0.243369964912202
THCA	DNMT3A	cg21629895	0.013267325092646	511	0.298762150333082	0.765243946402839	0.000176021915113954	0.869792401378096
THCA	DNMT3A	cg21708767	-0.0919556009835843	510	-2.07729135351055	0.0382785210759976	0.00845583255225218	0.118487954344507
THCA	DNMT3A	cg22731525	0.0314741623252326	511	0.709044312332248	0.478622888183649	0.000990622894075091	0.666105924422319
THCA	DNMT3A	cg25044635	0.0671418791656568	510	1.51373506175139	0.130717393784767	0.00450803193789566	0.287249939244397
THCA	DNMT3A	cg26470599	-0.0498575244232643	511	-1.12402285267033	0.261535238923116	0.00248577274161639	0.456908909189967
THCA	DNMT3A	cg26995204	-0.0255139752474154	511	-0.574676595641616	0.565764941205262	0.000650962932925723	0.734997458937947
THCA	DNMT3B	cg00300969	0.0803806880632456	511	1.81578009705091	0.069994662384612	0.00646105501352078	0.18438809270084
THCA	DNMT3B	cg13636640	-0.0548393762512862	510	-1.23544036886705	0.217239945226293	0.00300735718763014	0.404692631679461
THCA	DNMT3B	cg14224313	0.126023331796755	511	2.86042999071405	0.00440521003189823	0.0158818801571551	0.0224308750635876
THCA	DNMT3B	cg16523653	0.122624876357593	511	2.78209895463022	0.00560213466805568	0.0150368603017149	0.0271669657378583
THCA	DNMT3B	cg16953106	0.0999177406202277	511	2.26112920984147	0.0241742369905552	0.0099835548906511	0.0840308575711908
THCA	DNMT3B	cg17475857	0.0530598863312936	511	1.19641680059678	0.232093133140184	0.0028153515374898	0.422708629691948
THCA	DNMT3B	cg17721173	0.127771244908815	511	2.90075732320819	0.00388431907160527	0.0163254910255483	0.0202884864949953
THCA	DNMT3B	cg22605822	-0.0104779474272165	511	-0.235941336985052	0.813573471727651	0.000109787382287512	0.899571253174253
THCA	DNMT3B	cg24403338	0.106280689588364	511	2.40671744826144	0.0164532207637693	0.0112955849793782	0.0626396264746422
THCA	DNMT3B	cg25803642	0.133417899677606	511	3.03122510078312	0.00256015664795627	0.0178003359543838	0.0145142709715136
THCA	DNMT3L	cg09247319	0.0155800777172006	511	0.35085390601313	0.725843689696153	0.00024273882167401	0.844672139453343
THCA	DNMT3L	cg15635600	-0.00908218347027789	511	-0.204508876523707	0.83803792641582	8.2486056587789e-05	0.913328791241259
THCA	DNMT3L	cg27187798	-0.0461360024992874	509	-1.03788287975821	0.299821273478214	0.00212853072661426	0.498095033825873
THCA	DPF1	cg06168449	-0.0219360088203664	511	-0.494044541872279	0.621488693023364	0.000481188482967192	0.77571664583663
THCA	DPF1	cg06615189	0.0655120596735124	511	1.47828849870208	0.139951539194069	0.00429182996266585	0.301264286229928
THCA	DPF1	cg07480327	-0.0467079757495306	510	-1.0518179013932	0.293385144655351	0.00218163499861874	0.491115356084574

THCA	DPF1	cg08057062	0.161412340639217	511	3.68275869227159	0.000255502599172853	0.0260539437106307	0.00213153557105125
THCA	DPF1	cg13322582	0.107779411877605	511	2.44105196153609	0.014985628271837	0.0116164016246824	0.0583377687841937
THCA	DPF1	cg13917712	-0.0461812795396822	511	-1.04095881719404	0.298390796700925	0.00213271057992227	0.49660940972021
THCA	DPF1	cg17121541	-0.00710515726574194	511	-0.159988452360688	0.872953889841138	5.04832597709255e-05	0.932702437520586
THCA	DPF1	cg22145401	0.0298631130520181	511	0.672717611565393	0.501433445231049	0.000891805521157612	0.685249507049576
THCA	DPF1	cg27400772	-0.044190893346851	441	-0.924693845314476	0.355635505401544	0.00195283505479276	0.554435040224604
THCA	DPF2	cg02186298	0.0397264469907495	511	0.895213607476212	0.371097717265714	0.00157819059050883	0.569798206015871
THCA	DPF2	cg14699126	0.0428499154890115	511	0.965723997078288	0.334642720267992	0.00183611525741543	0.534255372281402
THCA	DPF2	cg15918224	0.0502466291408292	511	1.13281721856113	0.257826448416109	0.00252472374001603	0.452295749662442
THCA	DPF2	cg15929437	-0.0818878682991083	511	-1.85005464746481	0.0648873199138577	0.0067056229745721	0.174349745575766
THCA	DPF2	cg18224556	-0.0173467070844585	511	-0.390648693314662	0.696221017066134	0.000300908246674004	0.825851658371356
THCA	DPF2	cg19517014	-0.046869987521353	511	-1.05651671031444	0.291235367553505	0.00219679573025179	0.488799900400367
THCA	DPF3	cg00888802	-0.0217842967190346	511	-0.490626041897204	0.623903235904066	0.000474555583542944	0.777221834237663
THCA	DPF3	cg05151458	-0.00461435236883628	510	-0.1037983948987	0.917370467213472	2.1292247783785e-05	0.956442560930696
THCA	DPF3	cg07171024	-0.00271747264390438	511	-0.0611886348654469	0.951233093502811	7.38465757036867e-06	0.974174288143515
THCA	DPF3	cg10266394	-0.0580968908508875	511	-1.31036123400492	0.190666975081414	0.00337524872653994	0.370944379195289
THCA	DPF3	cg12913429	0.00782796352229679	506	0.175742729796842	0.860566650460763	6.12770129064091e-05	0.925933556854983
THCA	DPF3	cg13819165	0.010140812223809	511	0.228348967578856	0.819467027984452	0.000102836072558554	0.902815161705527
THCA	DPF3	cg14238615	0.0595603729709716	511	1.34348578073292	0.179715722812057	0.00354743802844124	0.356708148219306
THCA	DPF3	cg14242696	-0.0032523085824574	511	-0.0732315154918196	0.941650769535952	1.05775111155261e-05	0.96888859037918
THCA	DPF3	cg15392845	0.0770030631080603	511	1.73901521553625	0.082639056989419	0.00592947172802391	0.207701982010434
THCA	DPF3	cg15740492	0.0666486004489474	511	1.50404814489848	0.13319162693009	0.00444203594180343	0.29101276296586
THCA	DPF3	cg16696021	-0.0689792445903938	511	-1.55689059710671	0.120120435446475	0.00475813618426137	0.270922218344053
THCA	DPF3	cg19710444	0.111908527889663	510	2.53323255622814	0.0116024827405411	0.0125235186144315	0.0478758575461548
THCA	DPF3	cg19839347	0.0129931384090087	511	0.292586784898038	0.769957716455197	0.000168821645715658	0.872478082084729
THCA	DPF3	cg20548765	0.0545204252671388	511	1.22944651646104	0.219474688429943	0.00297247677130966	0.407457152813665
THCA	DPF3	cg21035356	0.126768973594762	511	2.87762988244907	0.0041757349785222	0.0160703726662695	0.0214860193742414
THCA	DPF3	cg22784589	-0.0299406035901956	511	-0.674464782456441	0.500323284321368	0.000896439743345235	0.684237212230091
THCA	DPF3	cg23515460	0.0488105373594629	511	1.10036186890412	0.271696652289796	0.00238246855731952	0.467991527947755
THCA	DPF3	cg24383902	0.0610553178746458	511	1.37733143602038	0.169017537628493	0.00372775184077404	0.34232993106488
THCA	DPF3	cg25495195	0.0381552733813938	511	0.859755391539546	0.39033023366474	0.0014558248868089	0.587733801613663
THCA	DPF3	cg26057784	0.0142330269012197	511	0.320512700823607	0.748711761237989	0.000202579054770843	0.859201692782831
THCA	EED	cg00080012	-0.0449150580294191	511	-1.01235877572419	0.311849422425708	0.00201736243778609	0.510737136172328
THCA	EED	cg01739327	-0.0421140747218804	511	-0.949110365079369	0.343016664567331	0.00177359528968012	0.542326607660982
THCA	EED	cg02172616	-0.0342798707181612	511	-0.772322125826498	0.440283524992392	0.00117510953645384	0.632890787768771
THCA	EED	cg04607174	-0.11715569613507	511	-2.65624712201527	0.00815048980657203	0.0137254571368928	0.0364485631186746
THCA	EED	cg06358433	-0.14032975133061	511	-3.19133620456019	0.00150395899952362	0.0196924391085108	0.00941944983567671
THCA	EED	cg10086030	-0.0729204758045274	511	-1.64630846806271	0.100319957696932	0.00531739579155866	0.238765550666192
THCA	EED	cg10535675	-0.00875410866653401	509	-0.196731663374232	0.844116678388657	7.66344185454858e-05	0.916678944644693
THCA	EED	cg12672785	-0.0651591309179476	511	-1.47029056464554	0.142103374399694	0.00424571234198223	0.304401883968326
THCA	EED	cg16265078	-0.0398109279491637	511	-0.897120358176212	0.370080485696922	0.0015849099841735	0.568793292719818
THCA	EED	cg18574463	-0.0736832584515336	511	-1.66362315156612	0.0968057006502039	0.00542922257603549	0.232650685090576
THCA	EED	cg19325359	-0.0594946490680294	510	-1.34067387426725	0.180627931117836	0.00353961326772797	0.357770433642952
THCA	ELP3	cg01209934	0.174470324958009	511	3.98968107749627	7.59155334207644e-05	0.0304398942909534	0.000760171580246485
THCA	ELP3	cg02516513	0.181497991927339	511	4.15575021047758	3.80565162229316e-05	0.0329415210736563	0.000419284608843895
THCA	ELP3	cg04720865	-0.0462210506891025	511	-1.04185720560713	0.297974431200935	0.00213638552680458	0.496152992668283
THCA	ELP3	cg05621091	0.0183222361906575	511	0.412624837664339	0.680055928258657	0.000335704339026239	0.81536703013411
THCA	ELP3	cg15692687	0.122780280381944	511	2.78567867318415	0.00554158443252749	0.0150749972506687	0.0269270468047498
THCA	ELP3	cg17572663	0.0682125208776848	511	1.53950396628565	0.124305169186727	0.00465294800448859	0.277358225587078
THCA	ELP3	cg18022570	0.0888920984244322	511	2.00950831893194	0.0450126566568371	0.00790180516229894	0.133602236244257
THCA	ELP3	cg18249244	-0.0213386285138825	510	-0.48010989734881	0.63135672769782	0.000455337066853478	0.782496897695071
THCA	ELP3	cg19781013	0.0962661926309028	511	2.1777072661963	0.0298880977503448	0.00926717984365008	0.098392563852157
THCA	ELP3	cg22414525	0.234735509484968	511	5.43738421289804	8.41971533217233e-08	0.0551007594131676	1.858692776819e-06
THCA	ELP3	cg22487209	0.045443669417615	511	1.02429787533445	0.306183067156166	0.00206512709013748	0.504654876720837
THCA	ELP3	cg25374552	0.0230936669245352	511	0.520130973762982	0.603199325219063	0.000533317452021371	0.762301140396402
THCA	ELP4	cg04972224	0.0234156138300715	511	0.527386027295241	0.598156243369139	0.000548290971039035	0.758755654785071
THCA	ELP4	cg05195750	0.0553343069240401	511	1.24785566311354	0.21265993334871	0.00306188552276387	0.39894500355338

THCA	ELP4	cg05635455	-0.0277573818982297	511	-0.625244457691922	0.532091939063379	0.000770472249844168	0.709620110873903
THCA	ELP4	cg08111895	-0.00272713571714644	511	-0.0614062174237444	0.951059899647133	7.43726921973583e-06	0.974102246315845
THCA	ELP4	cg08626560	0.00823291591813227	510	0.185201140744875	0.853145484186005	6.77809045150356e-05	0.921812856158839
THCA	ELP4	cg09616795	-0.00769988914214665	511	-0.173380929494838	0.862421213026982	5.92882928013479e-05	0.926864784797352
THCA	ELP4	cg10583382	-0.00414970755359094	511	-0.0934383606629831	0.925592228502953	1.72200727803297e-05	0.960816655869322
THCA	ELP4	cg11385473	0.0242411897680348	511	0.54599108547089	0.58531222261183	0.000587635281369874	0.74982345364201
THCA	ELP4	cg13263383	-0.078921988758494	511	-1.78261998367533	0.0752464464732954	0.00622868030959585	0.194359587520537
THCA	ELP4	cg19328333	0.0579232003739169	511	1.30643047973258	0.191998538681828	0.00335509714155693	0.372505033249723
THCA	ELP4	cg24001477	-0.0044979973473596	511	-0.101280903754978	0.919367515042167	2.0231980136854e-05	0.957510897184421
THCA	ELP4	cg24531794	-0.0576190707032354	511	-1.29954806876185	0.194346487388538	0.00331995730870444	0.37568309909313
THCA	ELP4	cg25130734	-0.0072082882522571	511	-0.162310796192799	0.87112578028816	5.19594195276277e-05	0.931562249326256
THCA	EP300	cg00500400	-0.0537991538900887	511	-1.21313417224217	0.225643425856545	0.00289434895928944	0.415040068829718
THCA	EP300	cg02046995	0.140709560404627	511	3.20014793573935	0.00145961496830818	0.0197991803892634	0.00919501877435961
THCA	EP300	cg07519229	-0.0416621134451847	511	-0.93890686318757	0.348225639079909	0.00173573169671944	0.547458023292494
THCA	EP300	cg08131204	-0.0569128053436125	510	-1.28230031190629	0.200324466696334	0.00323906741207993	0.383314678329758
THCA	EP300	cg09331127	0.115225042471256	511	2.61187981475691	0.00927155288557082	0.0132768104125027	0.0402291585486693
THCA	EP300	cg24349919	-0.0920345153736582	511	-2.08114268628202	0.0379221278321393	0.00847035202006412	0.117726725430921
THCA	EPC1	cg02900516	0.117486119435244	511	2.6638434464116	0.00797124364309914	0.0138029882599525	0.0358308670421264
THCA	EPC1	cg16942190	0.0201894456424999	511	0.454691571888697	0.649525762980762	0.000407613715351457	0.795021201923006
THCA	EPC1	cg26211455	0.105882438771489	511	2.39759664490538	0.0168637726579579	0.0112110908401981	0.0638333781498228
THCA	EPC2	cg00066942	-0.0980569141288134	511	-2.21860613279273	0.0269556646809543	0.0096151584084655	0.0911575803421212
THCA	EPC2	cg03664802	-0.0311991237232003	510	-0.702148747744552	0.482909255647182	0.000973385321095558	0.669910343998705
THCA	EPC2	cg04098458	-0.09137233899717	511	-2.0660426092131	0.0393318545960989	0.00834890433381376	0.121005061165573
THCA	EPC2	cg05586854	0.0141345827599507	511	0.318295398431158	0.750391942603069	0.000199786429797896	0.860102116999354
THCA	EPC2	cg10458926	0.0324295565465433	511	0.730589587749245	0.465367340310345	0.00105167613780545	0.654625666392873
THCA	EPC2	cg11721798	0.0208983222958943	511	0.470663218044495	0.638083674071796	0.000436739874783071	0.787122309728867
THCA	EPC2	cg12432635	0.0466912571791529	511	1.0524790529408	0.293081163884798	0.0021800734969698	0.490754343900084
THCA	EPC2	cg16434205	0.00166578751944348	511	0.0375080240773432	0.97009470601747	2.77484805993368e-06	0.98423949553867
THCA	EPC2	cg21347644	-0.0959978112214041	511	-2.17157946577855	0.0303503417987472	0.00921557975930034	0.0995435933172453
THCA	EPC2	cg21650422	0.0162028923496185	511	0.364882926308562	0.71535095214686	0.000262533720493326	0.838153081078873
THCA	EZH1	cg00728999	-0.0102565456008233	511	-0.230955303370621	0.817442695686469	0.000105196727661768	0.901888201222993
THCA	EZH1	cg01716316	0.0884392019404256	511	1.99918915408467	0.0461211425143207	0.00782149243985938	0.135994699645949
THCA	EZH1	cg03623386	-0.0189194865729969	511	-0.426079919801935	0.670230439932263	0.000357946972185809	0.808947572595812
THCA	EZH1	cg05375741	0.0536808069680813	511	1.21045780920191	0.226667270586528	0.00288162903674441	0.416204091293112
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THCA	EZH1	cg06975499	0.0460946786054136	511	1.03900261037709	0.299298764307426	0.00212471939573638	0.497617779615399
THCA	EZH1	cg12812489	-0.00950825934228662	511	-0.21410392600608	0.830552093252609	9.04069957201807e-05	0.90911280186135
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THCA	EZH2	cg01893439	0.052830128526384	511	1.19122159278203	0.234123967404958	0.00279102248011425	0.425070946608974
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THCA	EZH2	cg13751213	-0.0571401134802922	511	-1.28871007052086	0.198086628204302	0.00326499256854067	0.380624843281941
THCA	EZH2	cg18494018	0.00397853244087915	511	0.0895839732557655	0.928653197865427	1.58287203831278e-05	0.962262321920154
THCA	EZH2	cg20101066	0.0232633872077406	511	0.523955589487859	0.600538393243745	0.000541185184377269	0.760591170369433
THCA	FBXL19	cg00026853	-0.114895468335762	511	-2.60430906219659	0.00947606928524653	0.0132009686440941	0.0408478602524779
THCA	FBXL19	cg02291855	-0.0568089258773964	511	-1.2812163733383	0.200703369673692	0.0032725405934352	0.383735864427555
THCA	FBXL19	cg03181514	-0.15579023063283	511	-3.55123574546617	0.000419173645708657	0.0242705959606305	0.00322895282644413
THCA	FBXL19	cg03627896	-0.168122973362414	511	-3.84022962662524	0.000138483944106314	0.028265334172219	0.00127222720215005
THCA	FBXL19	cg04477789	-0.119434769365699	511	-2.70866061125451	0.006983953168342	0.0142646641334376	0.0323360107593142
THCA	FBXL19	cg05643349	-0.0416302446223862	511	-0.938187412809191	0.348594818202383	0.00173307726731971	0.547756080968339
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THCA	FBXL19	cg08535091	-0.0468888974339589	511	-1.05694390588274	0.29104053666971	0.00219856870257231	0.48860967786937
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THCA	FBXL19	cg11940219	0.0487413334695163	511	1.09879805102904	0.27237767232656	0.00237571758838659	0.468749416887276
THCA	FBXL19	cg26666512	-0.0387829785441313	511	-0.873920648834656	0.382575221466394	0.00150411942475455	0.580881738987366
THCA	FBXL19	cg27602786	-0.0210222092542357	510	-0.472987429740028	0.6364261100509	0.000441933281928874	0.785999885780278
THCA	FBXW9	cg02753619	0.0835936422372738	511	1.88886081427118	0.0594809677627099	0.00698789702249333	0.163640499562622
THCA	FBXW9	cg03160342	-0.0731559246182313	511	-1.65165269582635	0.0992245522491454	0.00535178930674834	0.236926789983733
THCA	FBXW9	cg05868316	0.0590225995402196	511	1.33131278407345	0.18368440904503	0.00348366725648513	0.361926959186799
THCA	FBXW9	cg06489804	-0.00855947906403234	511	-0.192737944699364	0.847241384727176	7.32646818476079e-05	0.91845679166503
THCA	FBXW9	cg12110584	-0.0555876049258525	511	-1.25358550471133	0.210570449554167	0.00308998182139266	0.396301380249591
THCA	FBXW9	cg14342428	0.0437812737200703	511	0.98675423538286	0.324233801797501	0.00191679992855171	0.523633887835475
THCA	FBXW9	cg15828427	0.0424906744004099	511	0.957612945057333	0.338714376363787	0.00180545741100165	0.538067469575962
THCA	FBXW9	cg19721801	-0.0820933839637268	511	-1.85472923170709	0.0642152633665654	0.00673932369061587	0.173012474833365
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THCA	FBXW9	cg22303873	-0.16086685032135	511	-3.66998166419227	0.000268267561386835	0.0258781435323115	0.00222348249206557
THCA	FKBP1A	cg04613791	-0.0455422015693549	511	-1.02652339569954	0.305134440493557	0.00207409212378375	0.5036841933406
THCA	FKBP1A	cg07516946	-0.0624745714981969	511	-1.40947204092846	0.159308713889436	0.00390307208388332	0.328794791826461
THCA	FKBP1A	cg10996143	0.054239919196387	511	1.22310233570348	0.221859241996729	0.00294196883443059	0.410299563200168
THCA	FKBP1A	cg21332426	0.0129766424434012	511	0.29221525688126	0.770241584624322	0.000168393249103881	0.872670489699904
THCA	FKBP1A	cg21775445	-0.00661113958136301	511	-0.14886403870927	0.881720109501963	4.37071665642647e-05	0.937210119126027
THCA	FKBP1A	cg24641773	-0.106102077257756	511	-2.40262669574325	0.0166362547873974	0.0112576507984109	0.0631687233956849
THCA	FKBP1A	cg26779912	-0.017113901983401	511	-0.38540436459846	0.700099492875996	0.000292885641097458	0.828221051449506
THCA	FKBP2	cg03764062	0.130952108589479	511	2.97421605118771	0.00307732730131608	0.0171484547440307	0.016799831584462
THCA	FKBP2	cg04446112	-0.0430002389862547	511	-0.96911815684376	0.33294831934626	0.00184902055287502	0.532594714327927
THCA	FKBP2	cg06615912	0.0155213235832466	511	0.349530479099301	0.726836226890393	0.000240911485775848	0.845376926412982
THCA	FKBP2	cg09854726	-0.0942920800100739	511	-2.13264458825196	0.0334336605361509	0.00889099635262619	0.106990464325353
THCA	FKBP2	cg10998122	0.0554976532348565	510	1.25031580410016	0.211762108031476	0.00307998951457638	0.397879949574935
THCA	FKBP2	cg12423493	0.0586505392646548	511	1.32289153861411	0.186467793350764	0.00343988575603482	0.365438355357836
THCA	FKBP2	cg15010817	-0.00766989872082465	511	-0.172705585534249	0.862951774905348	5.88273463877076e-05	0.927128815160915
THCA	FKBP2	cg16977872	0.11452114376454	511	2.59571138998503	0.00971321287710846	0.0131150923691385	0.0416439615630629
THCA	FKBP2	cg19924313	-0.00802221275490984	511	-0.180639253742372	0.85672292546437	6.43558974850381e-05	0.923779273754629
THCA	FKBP2	cg21809711	-0.0213954252817032	511	-0.481863829922336	0.630110615627852	0.000457764222984944	0.781741086787378
THCA	FKBP2	cg22074794	-0.103907940178536	511	-2.3523935080735	0.0190343894595911	0.0107968600321461	0.0700289096060266
THCA	FKBP2	cg24677501	-0.0398482191897349	511	-0.897962034431746	0.369632013483362	0.00158788057259316	0.568345095776133
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THCA	FKBP5	cg00610228	0.00242469259898039	511	0.0545961405534678	0.956481720169955	5.87913419955027e-06	0.977019042895837
THCA	FKBP5	cg01294490	-0.0789407795237628	511	-1.78304707399813	0.0751768092309689	0.00623164667181932	0.194218407854476
THCA	FKBP5	cg07485685	-0.0391789863716393	511	-0.882857785273614	0.377731520276361	0.0015349929731091	0.576316895904511
THCA	FKBP5	cg07843056	-0.0543377364207027	511	-1.22531462607529	0.221025615372405	0.00295258959932576	0.409284871159479
THCA	FKBP5	cg08636224	-0.0302193857245081	511	-0.680750554365995	0.49634011217325	0.000913211273566605	0.681088737148201
THCA	FKBP5	cg08915438	-0.0859772742032532	511	-1.94311626208866	0.0525552333997836	0.00739209167942139	0.149618745045113
THCA	FKBP5	cg10913456	-0.073887256493088	511	-1.66825427429674	0.0958826809430557	0.00545932667207537	0.231103522161484
THCA	FKBP5	cg16012111	-0.0782232794870002	511	-1.76674055919729	0.0778733133033622	0.00611888145370135	0.199062745543382
THCA	FKBP5	cg17030679	-0.065903776940657	511	-1.48716609543097	0.137592573549748	0.00434330781504387	0.297668919233824
THCA	FKBP5	cg20813374	-0.0472752696247489	511	-1.06567272546008	0.287078835479202	0.00223495111809271	0.484510151587388
THCA	FKBP5	cg25114611	0.0748872822269166	511	1.6909597158726	0.0914590770565901	0.00560810503933385	0.223383409230485
THCA	FMR1	cg02921434	-0.0610375834218259	511	-1.37692987271941	0.169141594313708	0.00372558658997635	0.342527689393222
THCA	FMR1	cg03513471	-0.0509627564666084	511	-1.14900415375867	0.251096033872929	0.00259720254667484	0.444697798348452
THCA	FMR1	cg04552106	-0.0766536843422352	511	-1.73107820265123	0.0840461913364857	0.00587578732323904	0.21030877187528
THCA	FMR1	cg04744025	-0.00236691674604923	511	-0.0532952100867078	0.957517689251134	5.60229488272828e-06	0.977611800217898
THCA	FMR1	cg05288927	-0.0276173046448739	511	-0.622086755433131	0.534164472318	0.000762715515847772	0.711031106539816
THCA	FMR1	cg07147350	-0.0921183879850306	511	-2.08305549111645	0.0377466643292174	0.00848579740496063	0.11735528754005
THCA	FMR1	cg08434396	-0.0455259821586064	511	-1.02615704997871	0.305306891734263	0.00207261505150575	0.503861944409505
THCA	FMR1	cg14470409	-0.0179833086638442	511	-0.404989547803537	0.685656013110069	0.000323399390499095	0.819064291938097
THCA	FMR1	cg16783314	-0.0308765343329299	511	-0.69556808352778	0.487018051398614	0.000953360372412598	0.673344629898587
THCA	FMR1	cg22625568	-0.020224976493976	509	-0.45459280401893	0.649597552891261	0.000409049674181883	0.795072247162095
THCA	FXR2	cg01807919	0.0606839669427389	511	1.3689231659348	0.171629462039851	0.00368254384390743	0.345837344780173

THCA	FXR2	cg01933235	0.0184833363535206	511	0.416254118845843	0.677400210802232	0.000341633722757377	0.813564059760622
THCA	FXR2	cg05529097	-0.0572261874045706	511	-1.29065771297102	0.197410642550045	0.00327483652486303	0.379719204988087
THCA	FXR2	cg05913233	-0.0192033087400051	511	-0.43247413180587	0.665580738429328	0.000368767066563958	0.805836605429406
THCA	FXR2	cg09625173	-0.146630552429179	511	-3.33770654691151	0.000906796529662445	0.0215005189056861	0.00619181332647769
THCA	FXR2	cg17777561	-0.0527558360039005	511	-1.18954175536039	0.234783318650079	0.00278317823247045	0.425850629309029
THCA	FXR2	cg19178740	-0.022955408729276	511	-0.517015383741592	0.605370884003679	0.00052695078992812	0.764028185606374
THCA	FXR2	cg22521096	-0.0454943912021262	511	-1.02544351148811	0.305642964397894	0.0020697396308521	0.504197814798668
THCA	FXR2	cg26904212	0.0937722952602008	511	2.12078380889389	0.0344248033089163	0.00879324335836628	0.109441894099462
THCA	G2E3	cg02259031	0.00778893368604359	511	0.175386095650775	0.860846287512421	6.06674879655846e-05	0.926055419490288
THCA	G2E3	cg05076167	-0.00297588276847008	511	-0.0670072386852967	0.946602355891699	8.55587825167717e-06	0.971516559245357
THCA	G2E3	cg07906495	0.0426033700762133	511	0.960157381300502	0.337433679080705	0.00181504714185079	0.536983113990077
THCA	G2E3	cg08810065	0.0459192293520396	511	1.03503950304324	0.301143890533825	0.00210857562428521	0.499519275447541
THCA	G2E3	cg09837748	-0.00920427053520819	511	-0.207258214275088	0.835891422610098	8.47185960853016e-05	0.912113914837781
THCA	G2E3	cg18580322	0.0615331011606381	511	1.38815043321107	0.165700893759562	0.00378632253844532	0.33786251644786
THCA	G2E3	cg18755078	0.0717804454627653	511	1.61883705352378	0.10610542013951	0.00515243235083302	0.248423422347279
THCA	G2E3	cg18956956	-0.0306674119724985	511	-0.690852650228158	0.489974313560571	0.000940490157090942	0.675953323364991
THCA	G2E3	cg19554565	0.0976507374917798	511	2.20932744030639	0.0275981484053233	0.00953566653268849	0.0927697514170037
THCA	G2E3	cg21061067	0.00521891571158157	511	0.117514153629594	0.906499167195374	2.7237081204593e-05	0.950509437847705
THCA	G2E3	cg22926526	0.0426579806200189	511	0.96139038810048	0.336814190991417	0.00181970331057791	0.536429375252306
THCA	GADD45	cg01810953	-0.0270899856904024	511	-0.610199954695161	0.542002764452856	0.000733867324706207	0.716767467749728
THCA	GADD45	cg02639608	0.0777053636137084	511	1.7549716815887	0.0798681293585436	0.00603812353433864	0.202805697148815
THCA	GADD45	cg04718306	-0.0783554902870415	511	-1.76974508567306	0.0773706215954752	0.00613958285812265	0.198224374424576
THCA	GADD45	cg07000785	-0.0228448077427702	511	-0.514523058612023	0.607110553384107	0.000521885240804133	0.76529513120007
THCA	GADD45	cg22224769	-0.0740928741753429	511	-1.67292237886953	0.0949594542928657	0.0054897540035632	0.229482325771612
THCA	GADD45	cg23369529	-0.168797528265698	511	-3.85608862945525	0.00013004501264567	0.0284926055486091	0.00120580711725354
THCA	GADD45	cg23723105	-0.0474587285587114	511	-1.06981754937508	0.285210490495563	0.00225233091640945	0.482434930695394
THCA	GATAD2A	cg02887458	-0.120836292884839	511	-2.74091397062022	0.00634311186727289	0.0146014096781506	0.0299681795580364
THCA	GATAD2A	cg08505228	-0.173093815847212	511	-3.95722768796676	8.6643011161981e-05	0.0299614690845486	0.000850404543317581
THCA	GATAD2A	cg08870822	-0.004572161629049	511	-0.102950887227459	0.918042657275898	2.0904661962148e-05	0.956844747303691
THCA	GATAD2A	cg09334331	0.0823541534949998	511	1.8606609431874	0.0633707792797838	0.00678220659787799	0.17130082363152
THCA	GATAD2A	cg11795262	-0.0803475384616201	511	-1.8150263889148	0.0701105903928242	0.00645572693684152	0.184587223129124
THCA	GATAD2A	cg14948912	0.061723696125388	511	1.39246656134956	0.164391543264118	0.00380981466337924	0.335969413284875
THCA	GATAD2A	cg15264323	-0.0122768061080487	511	-0.276453509456706	0.782312422587805	0.000150719968214623	0.879790132860442
THCA	GATAD2A	cg22191731	-0.0286660475838621	511	-0.645729027226344	0.518746994670422	0.000821742284080243	0.699529847862041
THCA	GATAD2A	cg26631329	-0.0397686098037221	511	-0.896165227478994	0.370589820580793	0.0015815423257207	0.569249633947567
THCA	GATAD2E	cg02134200	0.0947017468378567	511	2.14199386625806	0.0326697431518115	0.00896842085414151	0.105177906610518
THCA	GATAD2E	cg02940454	0.0634399254729564	511	1.43133846747265	0.152949346900766	0.00402462414401426	0.320025322560468
THCA	GATAD2E	cg09805553	0.18991776022792	511	4.35558537382226	1.60671794196674e-05	0.0360687556499895	0.000197711191992028
THCA	GATAD2E	cg10226922	0.101344753808969	511	2.29375511989691	0.0222127152078154	0.0102707591246005	0.07877099513666
THCA	GATAD2E	cg10489353	0.110089940292275	511	2.49401737215052	0.0129480909041417	0.0121197949535567	0.0521854618069008
THCA	GATAD2E	cg15064304	0.0852472096992747	511	1.92649524711671	0.0546012117862005	0.00726708676151211	0.15388561447817
THCA	GATAD2E	cg20773694	0.0815707659969725	511	1.84102412435567	0.0662032597636587	0.00665378986533284	0.176922582963039
THCA	GATAD2E	cg23046518	0.0818006726047252	511	1.84807139787301	0.0651742012893587	0.00669135003858544	0.174952628671689
THCA	GATAD2E	cg23323627	0.0891921232025432	511	2.01634502086824	0.0442907341113031	0.00795523484137764	0.132038833855325
THCA	GATAD2E	cg26398333	0.0855268413390831	511	1.93286111055815	0.0538098610242687	0.00731484058944069	0.152226783829301
THCA	GLYR1	cg00636946	-0.0834273868399444	511	-1.88321782410131	0.0602441631064795	0.00696012887494172	0.165159811914208
THCA	GLYR1	cg00885266	0.0739991211455335	511	1.67079389261265	0.0953795223510879	0.00547586993031135	0.230197454837605
THCA	GLYR1	cg01261535	0.0801887150885201	511	1.81141537470872	0.0706681954972683	0.00643023002754785	0.185640628759513
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THCA	GLYR1	cg02454264	0.0670391928135174	511	1.51290225606909	0.1309275674804	0.00449425337308796	0.287592590483686
THCA	GLYR1	cg06399529	0.0615375782804389	511	1.38825181830908	0.165670047355197	0.00378687354062115	0.337827933524251
THCA	GLYR1	cg06976003	-0.0178170752465204	511	-0.401244726657581	0.68840900970816	0.000317448170340169	0.820953651489049
THCA	GLYR1	cg11289281	-0.0240954272346403	511	-0.542706122248954	0.587570639620617	0.000580589613619847	0.751350024546853
THCA	GLYR1	cg15663121	0.0691718264015775	511	1.56125811804885	0.119086814095502	0.00478474156772998	0.269309917008898
THCA	GLYR1	cg18354686	0.0634613071363656	511	1.43182283325344	0.152810705215134	0.00402733750345613	0.319851214207515
THCA	GTF2B	cg02705666	-0.162268425257063	511	-3.70281776808345	0.000236608954561005	0.0263310418354071	0.00199834513202897
THCA	GTF2B	cg04270788	-0.0375998833831966	511	-0.84722290194575	0.39727063708944	0.00141375123042998	0.593841091822836

THCA	GTF2B	cg05306856	-0.00817454252595431	510	-0.183887931188396	0.854175039802964	6.68231455086354e-05	0.92216741958416
THCA	GTF2B	cg06356032	-0.10212095100748	511	-2.31150736808438	0.0212048921956012	0.0104286886346721	0.0761418593798569
THCA	GTF2B	cg07167781	0.0193811448927999	510	0.436049977916714	0.662986441825356	0.000375628777355705	0.804071577316066
THCA	GTF2B	cg10430205	0.056618212503917	511	1.27690134330338	0.202221577639925	0.0032056219871387	0.385730320049171
THCA	GTF2B	cg12074130	-0.0739697091261174	511	-1.67012615719732	0.0955116106153222	0.00547151786820241	0.230430495526085
THCA	GTF2B	cg13868361	0.0231358857911842	510	0.520568222450287	0.602895294324186	0.00053526921134272	0.762096164826162
THCA	GTF2B	cg14010405	0.0279477970005534	511	0.629536963930729	0.529281151750334	0.000781079357184144	0.707496785443924
THCA	GTF2B	cg17811845	-0.025264065720216	511	-0.569044022340925	0.569578257653989	0.000638273016715392	0.737784062785843
THCA	GTF2B	cg22607980	0.0163557055833229	511	0.368325138290623	0.712784546015656	0.00026750910512834	0.836532012381829
THCA	GTF2H1	cg05849260	-0.0148459202481672	510	-0.333987525742822	0.73852734374943	0.00022040134801494	0.852762837926535
THCA	GTF2H1	cg07583091	0.0128318338430195	511	0.288953836180033	0.77273481348723	0.00016465595977486	0.874005991282721
THCA	GTF2H1	cg08690812	-0.0503190366954113	511	-1.13445379776149	0.257140322226204	0.00253200545395415	0.451590115781351
THCA	GTF2H1	cg10797557	-0.0383159901469819	511	-0.863382146766768	0.38833563405943	0.00146811510094362	0.586082771225989
THCA	GTF2H1	cg11063328	-0.0228791762969469	511	-0.515297530789856	0.606569723809514	0.000523456708026775	0.764913034430821
THCA	GTF2H1	cg11176342	-0.0419429763382256	511	-0.94524757052675	0.344982750683802	0.00175921326410895	0.544207403562723
THCA	GTF2H1	cg11347316	0.0177482863596629	511	0.399695095658187	0.689549432168415	0.000315001668704598	0.821535166351466
THCA	GTF2H1	cg11662851	0.0751448522906215	511	1.69680863548387	0.0903466146830602	0.00564674882577932	0.221395594489195
THCA	GTF2H1	cg13777411	-0.0306475527978795	511	-0.690404856774835	0.490255552757082	0.000939272492498812	0.676153446419745
THCA	GTF2H1	cg14132868	0.10979747788541	511	2.48731086499727	0.0131917076490587	0.0120554861499971	0.052920570588432
THCA	GTF2H1	cg17174493	-0.0153544277878994	511	-0.345771199291343	0.729658097218424	0.000235758452693818	0.847133421111692
THCA	GTF2H1	cg18321761	0.00224425397295495	511	0.0505332320411179	0.959717369794299	5.0366758951241e-06	0.978946039783361
THCA	H2AFZ	cg02758870	-0.0504731442556958	511	-1.13793704691421	0.255684224492975	0.00254753829105628	0.449928741488109
THCA	H2AFZ	cg09308803	0.0338200980174317	511	0.76195154947923	0.446443221195941	0.00114379902990869	0.638242501281187
THCA	H2AFZ	cg16267491	-0.0907989979781844	511	-2.05297054091012	0.0405880516968921	0.00824445803384233	0.123658921191667
THCA	H2AFZ	cg17709884	0.0100209267874968	511	0.225649136365129	0.821565250845845	0.000100418973680371	0.904204699928634
THCA	H2AFZ	cg20934652	-0.0185864720744753	511	-0.418577588076342	0.675702124419539	0.00034545694417525	0.812543979228896
THCA	H2AFZ	cg23752380	-0.0271105907986552	511	-0.610664424506082	0.541695410671714	0.000734984133452126	0.716555905080689
THCA	H2AFZ	cg24061702	-0.0552117865702259	510	-1.24385572324322	0.214128589129814	0.00304834137627618	0.400739017098844
THCA	H3F3A	cg06319713	-0.0663062039522956	511	-1.49628712924796	0.135201066698763	0.00439651268256343	0.294021133852252
THCA	H3F3A	cg10632229	-0.0278574356759005	511	-0.627499950228476	0.530614069138318	0.000776036722436931	0.708450741333648
THCA	H3F3A	cg10983539	-0.0658336592977722	511	-1.48557694928217	0.138012568816021	0.00433407069653515	0.29827892147447
THCA	H3F3A	cg11978873	-0.0952839236678021	511	-2.15528199948231	0.0316098112268863	0.00907902610953153	0.102623055445472
THCA	H3F3A	cg15538837	-0.119329106727126	511	-2.70622965800914	0.00703454002112424	0.0142394357122938	0.0325257061755328
THCA	H3F3A	cg15624314	0.0169170748116819	511	0.380970548550724	0.703384684576222	0.000286187420184042	0.83052452230284
THCA	H3F3A	cg16724613	-0.058160089149217	511	-1.3117914915981	0.19018416364247	0.00338259596984487	0.370314790538941
THCA	H3F3A	cg16727519	0.0517317783419888	511	1.16638866670011	0.244005693643195	0.00267617689042466	0.436693175008713
THCA	H3F3A	cg18947521	-0.0743602397573286	511	-1.67899265683938	0.0937696135019278	0.00552944525676739	0.227433850245338
THCA	H3F3A	cg19410789	-0.0202482094934661	511	-0.45601554935302	0.648574058537821	0.000409989987691292	0.794344442675954
THCA	H3F3A	cg21266749	-0.0542347756861629	511	-1.22298600810811	0.221903138535646	0.0029414108937284	0.41033355738631
THCA	H3F3A	cg21789564	-0.0419277212730269	511	-0.944903169320063	0.345158393405968	0.00175793381114863	0.544396165209414
THCA	H3F3A	cg22519151	0.00891711149563514	511	0.200791555290206	0.840942089013874	7.95148774255884e-05	0.914800516740993
THCA	H3F3A	cg27530209	-0.0521265524083907	511	-1.17531373768494	0.240420868494821	0.0027171774659847	0.432466265346054
THCA	H3F3A	cg27560444	0.0129736993795744	508	0.291283343686989	0.770954463074866	0.000168316875591568	0.873122119352552
THCA	HAT1	cg00414306	-0.0795210471585839	511	-1.7962367669723	0.0730520757579267	0.00632359694119772	0.190251855696567
THCA	HAT1	cg01583365	0.0121266045407024	511	0.273070716323468	0.784910048982705	0.000147054537686584	0.881152444653865
THCA	HAT1	cg04507121	0.0801713477875087	510	1.80923362168501	0.0710080319772997	0.00642744500606567	0.186281744103394
THCA	HAT1	cg04950839	-0.0123356689222263	511	-0.277779204600526	0.781295091228339	0.000152168727758779	0.879172666141421
THCA	HAT1	cg05421799	0.10812661425416	511	2.44900847982878	0.0146625117667604	0.0116913647100679	0.0573539541624776
THCA	HAT1	cg09545452	-0.0425907163322674	511	-0.959871683996776	0.33757732404384	0.00181396911769567	0.537022828241513
THCA	HAT1	cg10190161	0.0446106252343338	511	1.00548331143191	0.315143813401533	0.00199010788379818	0.514281173454696
THCA	HAT1	cg12941622	0.0214151392855774	511	0.482308028708255	0.629795297587533	0.00045860819062068	0.781576399973124
THCA	HAT1	cg13293756	-0.119812140724598	511	-2.71734346021727	0.00680593220475807	0.014354949065011	0.0316852597209425
THCA	HAT1	cg14446129	0.0116330154086403	511	0.261954383885331	0.793463002420252	0.000135327047497662	0.886840575378164
THCA	HAT1	cg16017358	0.082708586524276	511	1.86872383072233	0.0622376623194873	0.00684071028484365	0.16908387296952
THCA	HDAC1	cg03762702	0.00364302133275073	510	0.0819482822746246	0.934720244658446	1.32716044308769e-05	0.965306429741649
THCA	HDAC1	cg04967775	-0.0470145017952624	511	-1.0597814744445	0.289748639678179	0.00221036337905673	0.487219126645432
THCA	HDAC1	cg06473843	0.0652876607822867	511	1.47320319407793	0.141316803090587	0.00426247865042294	0.303330281147507

THCA	HDAC1	cg10842753	0.0957543688832	511	2.16602149851245	0.0307749154459379	0.00916889916021994	0.100550347425506
THCA	HDAC1	cg14172124	0.0589102989103948	511	1.32877090310378	0.184521278171284	0.00347042331771206	0.363000370888776
THCA	HDAC1	cg20002354	-0.124484092191911	511	-2.82493954068958	0.00491531843478357	0.0154962892088442	0.0244452202681587
THCA	HDAC1	cg20793809	0.0718790337188624	511	1.62267307532303	0.105280915774883	0.00516659548835735	0.247127832504598
THCA	HDAC1	cg21930229	-0.117165929630891	511	-2.65648237332655	0.00814488486554454	0.0137278550662708	0.0364297805571305
THCA	HDAC1	cg23018091	0.0851631229050131	511	1.92458108621171	0.0548410595781072	0.00725275750293437	0.154302339644084
THCA	HDAC1	cg26115470	0.120949520205122	511	2.74352040233727	0.00629371801040944	0.0146287864378493	0.0297854665349673
THCA	HDAC10	cg00711351	-0.0140623917914625	511	-0.316669414136821	0.751624802857839	0.000197750862896591	0.860920875722261
THCA	HDAC10	cg01120165	-0.0201834514685449	511	-0.454556520568552	0.649622873156335	0.000407371713183107	0.795090728502131
THCA	HDAC10	cg04321608	-0.0173096465845402	511	-0.389813838630831	0.696837909246954	0.000299623864881686	0.826191873999401
THCA	HDAC10	cg04586023	-0.0441492273706105	511	-0.995063403031677	0.320180093075622	0.00194915427742186	0.519589681687282
THCA	HDAC10	cg07482373	-0.0235133394036938	511	-0.529588299406731	0.596629222405892	0.000552877129913299	0.757698474547246
THCA	HDAC10	cg07744063	-0.0681790506293858	511	-1.53874503995967	0.124490398750198	0.00464838294472436	0.277602581186568
THCA	HDAC10	cg09151829	-0.023583618509777	511	-0.531172067369188	0.595532164063451	0.000556187062014696	0.756887637928933
THCA	HDAC10	cg10508940	0.014682538729097	511	0.330637380636526	0.741054999239271	0.000215576943531434	0.854392899923449
THCA	HDAC10	cg11645658	-0.068031347132942	511	-1.53539597647407	0.125310377676651	0.00462826419272285	0.278892130256263
THCA	HDAC10	cg12464820	0.00626979860114002	511	0.141177701396611	0.887785636716976	3.93103744988573e-05	0.940344778745559
THCA	HDAC10	cg26943378	-0.0793734196017779	511	-1.79288096553631	0.0735879332555158	0.0063001397392799	0.191216794231375
THCA	HDAC11	cg01409735	0.00628115967818236	511	0.141433530023551	0.887583646309302	3.94529669028239e-05	0.940294992455514
THCA	HDAC11	cg01712016	0.00923302317047696	511	0.207905710139831	0.835386077679093	8.52487168665645e-05	0.911827125972916
THCA	HDAC11	cg02762546	0.0737205901689054	511	1.66447063303186	0.0966362600650839	0.00543472541485172	0.232408607150683
THCA	HDAC11	cg02941903	0.0748115511935207	511	1.68757333539408	0.0921094118217486	0.00559676819198077	0.224506049542912
THCA	HDAC11	cg05987698	0.0167400753028688	511	0.376611455046046	0.706620246354968	0.000280230121145719	0.832719572828109
THCA	HDAC11	cg07450135	-0.00439557650058483	511	-0.0989746599123053	0.921197509368233	1.93210927724936e-05	0.958710890217957
THCA	HDAC11	cg08051076	-0.0105860524381385	511	-0.238375905881094	0.811685866400554	0.000112064506223017	0.898554297358261
THCA	HDAC11	cg08448040	0.0013273530502862	511	0.0298875843237766	0.976168468838622	1.76186612010407e-06	0.987422964433455
THCA	HDAC11	cg10455785	0.00889727500795611	511	0.200344850671651	0.841291224631494	7.91615025672003e-05	0.915016032751748
THCA	HDAC11	cg11432034	-0.00688667134947534	511	-0.155068517942313	0.876829015096964	4.74262422756845e-05	0.93480843098375
THCA	HDAC11	cg13397067	0.00290584964530786	511	0.0654303061688777	0.947857185991231	8.44396216113582e-06	0.972280541830163
THCA	HDAC11	cg13706066	-0.03099974352608	511	-0.698346331027097	0.485280809908837	0.000960984098682737	0.671886084680859
THCA	HDAC11	cg16254764	-0.00769717232299432	511	-0.17331975036154	0.862469273850415	5.92464617698697e-05	0.9268727401554
THCA	HDAC11	cg18521047	-0.037716736360005	511	-0.849859647713052	0.395804258767703	0.00142255220165012	0.592525815082452
THCA	HDAC11	cg19779799	-0.0111069648786092	511	-0.25010718501009	0.802605769933596	0.000123364668814658	0.892327120365491
THCA	HDAC11	cg20894727	0.0390201716411979	511	0.879273591887816	0.379669492880836	0.00152257379490855	0.578170856687633
THCA	HDAC11	cg20922324	0.0755838824838834	511	1.70677895274072	0.0884754578751817	0.00571292329133749	0.218287424078711
THCA	HDAC11	cg21655280	-0.00606795353465	511	-0.136632565092536	0.891375471787487	3.68200600986714e-05	0.942509562080416
THCA	HDAC11	cg25127083	0.0390392842029778	511	0.879704928171813	0.379435945405063	0.00152406571108087	0.5779425918636
THCA	HDAC11	cg25150878	0.0631516029335782	511	1.42480719613356	0.154828199321275	0.00398812495308032	0.322542509653732
THCA	HDAC11	cg27025856	0.0011302690069962	511	0.0254498997586228	0.979706123353885	1.27750802817618e-06	0.989577217795738
THCA	HDAC2	cg00161229	-0.0132931460865259	511	-0.299048350260951	0.765025936629911	0.000176707732877718	0.869598148923673
THCA	HDAC2	cg01129566	0.0520910370197396	511	1.17451078152497	0.24074185037742	0.00271347613779188	0.432833472191662
THCA	HDAC2	cg08198132	-0.149474096712134	511	-3.40053954109361	0.000725699748417274	0.0223425055879083	0.00513835316541125
THCA	HDAC2	cg10999867	0.046120840942681	511	1.03959358238498	0.299024271701088	0.00212713196926008	0.497323232340234
THCA	HDAC2	cg13393754	-0.111781230270399	511	-2.5328135608646	0.0116155851139583	0.0124950434407639	0.0479185223600052
THCA	HDAC2	cg15005908	-0.111505355162067	511	-2.5264838008532	0.011824292434691	0.0124334442298187	0.0486106328628837
THCA	HDAC2	cg15242771	-0.065235477047261	511	-1.47202064383166	0.141635751556349	0.00425566746558372	0.303748319737079
THCA	HDAC2	cg18387216	0.00113433445394176	511	0.0255414402233172	0.979633144406552	1.28671465339934e-06	0.989542048120019
THCA	HDAC2	cg18674783	0.00777704176971391	511	0.175118305076388	0.861056587346596	6.04823786878749e-05	0.926197523459027
THCA	HDAC2	cg22867643	-0.0538959789634651	511	-1.21532386636832	0.224808223008504	0.00290477654843027	0.414125873835564
THCA	HDAC2	cg24023618	0.0943644904874708	511	2.13429703604414	0.033297536504247	0.00890465706495998	0.106704092717556
THCA	HDAC3	cg01947930	0.042663011301009	511	0.961503972165804	0.336757160932461	0.00182013253327002	0.53637620444658
THCA	HDAC3	cg01961137	-0.0387709404615974	511	-0.873648978901784	0.382723055198229	0.00150318582427673	0.58100637298675
THCA	HDAC3	cg04284814	0.0577091945467473	511	1.3015875205216	0.19364853143169	0.00333035113523433	0.374732009189629
THCA	HDAC3	cg08520975	0.084470648047279	511	1.9088190847337	0.0568497612513803	0.00713529038152728	0.158305126777746
THCA	HDAC3	cg10414058	-0.0353350643125404	511	-0.796124809539094	0.426332097356549	0.00124856676997136	0.6209248358437
THCA	HDAC3	cg11064797	0.00975923075179723	511	0.219755750865786	0.826149832723869	9.52425848668248e-05	0.906480960323282
THCA	HDAC3	cg11153694	0.0835340636883077	511	1.88750512917287	0.0596633118075993	0.00697793979628225	0.16400875189966

THCA	HDAC3	cg12082871	0.093067334593881	511	2.10470036122329	0.035808956004344	0.0086615287684094	0.112759438308113
THCA	HDAC3	cg14098966	-0.0212500326733293	511	-0.478587839979555	0.632438187740689	0.000451563888617561	0.783338052112774
THCA	HDAC3	cg17940889	-0.0229081910666788	511	-0.515951360470614	0.606113309551405	0.00052478521794746	0.764553148905166
THCA	HDAC3	cg18671773	-0.0204578237969574	511	-0.460738297746792	0.645183937488707	0.000418522554507356	0.791987869362775
THCA	HDAC3	cg19549288	0.0503188830863252	511	1.13445032581978	0.257141776470763	0.00253198999505526	0.451590115781351
THCA	HDAC3	cg20642138	0.0290419616545606	510	0.653558448423469	0.513693196374236	0.000843435536744971	0.695310027468721
THCA	HDAC3	cg23421926	-0.00281989073882678	511	-0.0634947748575942	0.949397544927038	7.95178377892105e-06	0.97315657784027
THCA	HDAC3	cg24385322	0.0919245351262061	511	2.07863453650319	0.0381532568619362	0.00845012015816909	0.118246064472231
THCA	HDAC6	cg07153944	0.0327104966575709	511	0.73692550004888	0.461508523262828	0.00106997659158496	0.651095894502602
THCA	HDAC6	cg07674520	0.0131179273911153	511	0.295397334591314	0.767811303359326	0.000172080019038572	0.871313506987396
THCA	HDAC6	cg10783042	-0.0392378658240208	511	-0.88418661695661	0.377014577435724	0.00153961011442386	0.575557280574305
THCA	HDAC6	cg12510923	0.0801238919106011	511	1.80994159240765	0.0708968196686197	0.00641983805490169	0.186071562676718
THCA	HDAC6	cg13178935	0.0224731176196898	510	0.505647982983328	0.613323983401856	0.000505041015548413	0.769799228227424
THCA	HDAC6	cg17152375	0.0215868269447321	511	0.486176543722342	0.627052066651687	0.000465991097541812	0.779500193323278
THCA	HDAC6	cg24616736	-0.0242965749773881	511	-0.547239278002755	0.584455149981968	0.000590323555631842	0.749094129545756
THCA	HDAC6	cg26680189	-0.0152973634235396	511	-0.344485847537505	0.730623780466038	0.000234009327711848	0.847719882642958
THCA	HDAC9	cg00332048	-0.0848192688230832	511	-1.91675398517104	0.0558309962841643	0.00719430836368245	0.156195077675775
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THCA	HDAC9	cg03260621	0.0262724888250221	511	0.591772980352452	0.554266394485049	0.000690243669060914	0.72601372323643
THCA	HDAC9	cg07513622	-0.0499132918211992	511	-1.12528325015943	0.261001440929771	0.00249133670042819	0.456287694008643
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THCA	HDAC9	cg08725366	0.115187870316036	511	2.61102587763821	0.00929442181058671	0.0132682454679439	0.0402835952049018
THCA	HDAC9	cg10068437	-0.20066563514092	511	-4.61213171069413	5.05284465093772e-06	0.0402666971265087	7.18827873757771e-05
THCA	HDAC9	cg11321459	-0.00634128963417873	511	-0.142787536726603	0.886514707719322	4.02119542245425e-05	0.939776864104611
THCA	HDAC9	cg11765288	0.00767387282111557	511	0.172795076902072	0.86288146537241	5.88883240746563e-05	0.927067353520838
THCA	HDAC9	cg12081743	0.0106167263008693	511	0.239066695287356	0.811150472886585	0.00011271487734757	0.898155937939295
THCA	HDAC9	cg16475478	0.0117101687224585	510	0.263431794292336	0.792325026746906	0.000137128051508446	0.886140100789971
THCA	HDAC9	cg18856632	-0.184528074641857	511	-4.22755477988753	2.80268724200238e-05	0.0340506103310308	0.000321249817746182
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THCA	HDAC9	cg21433125	-0.0337418798531735	511	-0.760187318598269	0.447495977099025	0.001138514456026	0.639056192261231
THCA	HDAC9	cg23074799	-0.0487681634574796	511	-1.09940433319637	0.272113506283366	0.00237833376701545	0.468491714237207
THCA	HDAC9	cg23385718	-0.203206009689869	511	-4.67301856418427	3.80846847520607e-06	0.0412926823740792	5.59182101405711e-05
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THCA	HDAC9	cg25620356	-0.038162012593237	511	-0.859907468117666	0.390246471166901	0.00145633920516638	0.587643412526769
THCA	HDGF	cg00692559	-0.0252571276739981	511	-0.568887651063352	0.569684298054093	0.000637922498340639	0.737883489832338
THCA	HDGF	cg00746981	0.0193014828207269	511	0.434685913851197	0.663975374988648	0.000372547239078817	0.804819263350996
THCA	HDGF	cg01910231	-0.118312299643592	511	-2.68284099291982	0.00753837070796122	0.013997800246955	0.0343208293354676
THCA	HDGF	cg02914429	-0.0302470352369332	511	-0.681373983620398	0.49594598378186	0.00091488314062428	0.680824116577424
THCA	HDGF	cg04402095	-0.114381142741267	511	-2.59249606518993	0.00980325303134213	0.0130830458147982	0.0419444652029606
THCA	HDGF	cg05762852	-0.033544713951927	511	-0.755740252793131	0.450155911693554	0.00112524783411661	0.64112315540054
THCA	HDGF	cg05967123	0.0466943278098263	511	1.05254842001841	0.293049386709284	0.00218036024961152	0.49072039671144
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THCA	HDGF	cg06119628	-0.0807020049893924	511	-1.82308605549941	0.0688790888737497	0.00651281360930792	0.182171069553426
THCA	HDGF	cg07313589	0.00490356154304724	511	0.110413157943306	0.912125410202242	2.40449158064518e-05	0.953312162095753
THCA	HDGF	cg07892339	0.0196564425048929	511	0.442682971729917	0.65818386185397	0.000386375731948159	0.801056889955533
THCA	HDGF	cg08597205	-0.0424368324561809	511	-0.956397317786163	0.339327344124643	0.00180088474891397	0.538584281901382
THCA	HDGF	cg08708935	-0.0376383112540137	511	-0.848090009306319	0.396788048822433	0.00141664247405402	0.593393365310605
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THCA	HDGF	cg09477492	-0.0214893174375324	511	-0.483979426601834	0.628609449057771	0.000461790763931035	0.780667359936532
THCA	HDGF	cg11588596	0.0233295050346047	511	0.525445554945392	0.599503209438076	0.000544265805159644	0.759719427163052
THCA	HDGF	cg12220178	-0.115533689503263	511	-2.618970636759	0.00908359347614624	0.0133480334102363	0.0396170359860582
THCA	HDGF	cg12421458	-0.045375943568779	511	-1.02276818638446	0.306905217723826	0.00205897625475702	0.505390347296802
THCA	HDGF	cg13170934	-0.0801829668428286	511	-1.81128468498317	0.0706884445329076	0.00642930817171815	0.185668743804207
THCA	HDGF	cg13235992	0.0590967505599883	511	1.33299119129071	0.183133370947968	0.00349242592674948	0.361214914924222
THCA	HDGF	cg14155849	-0.0673197980219644	511	-1.51926356339881	0.129319499322074	0.00453195520571808	0.285114953387033

THCA	HDGF	cg15503799	-0.00365036500184147	511	-0.0821945770716494	0.93452442451224	1.3325164646669e-05	0.965220301121949
THCA	HDGF	cg17170583	-0.0615286871019941	511	-1.38805047622545	0.165731309903413	0.00378577933649509	0.337890859413112
THCA	HDGF	cg17218029	-0.0497333756294692	511	-1.12121700688818	0.262726274854068	0.00247340865150188	0.45815949256803
THCA	HDGF	cg17971171	0.0655426260916716	511	1.47898120914384	0.139766355933442	0.00429583583499268	0.300973921648846
THCA	HDGF	cg18593717	-0.134115053496389	511	-3.04735362838511	0.00242904491497273	0.0179868475743394	0.0139034548912353
THCA	HDGF	cg19599803	-0.0483168276369114	511	-1.08813103357701	0.277055271800427	0.00233451583289501	0.473832915216268
THCA	HDGF	cg20284773	0.0672569451180572	511	1.51783865950248	0.129678355520813	0.00452349666661336	0.285592822454959
THCA	HDGF	cg23747104	0.0745929366489437	511	1.68427611187233	0.0927437872382822	0.00556410619791332	0.225698695042229
THCA	HDGF	cg26431298	0.049191996311547	511	1.10898207942972	0.267963672550929	0.00241985250111526	0.463655826121597
THCA	HDGFL1	cg02685945	0.0223292757189517	511	0.502906109797011	0.615248672753911	0.000498596554132968	0.771058015404481
THCA	HDGFL1	cg03930485	0.0278170649793885	511	0.626589879327823	0.531210124744171	0.000773789104067523	0.708927521626821
THCA	HDGFL1	cg05276066	0.0103231710030882	511	0.23245572322786	0.816277877290912	0.000106567859559002	0.901112623318942
THCA	HDGFL1	cg06566039	0.0536107660582095	511	1.20887388925955	0.227274763608454	0.00287411423734807	0.416897320498088
THCA	HDGFL1	cg08671671	0.00232800230842049	511	0.0524189796631909	0.958215497903574	5.41959474801114e-06	0.978016196012945
THCA	HDGFL1	cg09081892	-0.0107289922565769	511	-0.241594981684607	0.8091916919858	0.000115111274841688	0.896890461974033
THCA	HDGFL1	cg11894257	0.0373588307020694	511	0.841783743952616	0.400305888518086	0.00139568223142589	0.596841449132299
THCA	HDGFL1	cg15317945	0.00514742969364738	511	0.115904462365587	0.907774151630558	2.64960324510427e-05	0.951106865716191
THCA	HDGFL1	cg20209681	-0.00318119231032275	511	-0.0716301896807657	0.942924460667916	1.01199845152566e-05	0.969609473427357
THCA	HDGFL1	cg21898884	0.00313260919870561	511	0.0705362438968125	0.943794667170821	9.81324039181498e-06	0.970012480447531
THCA	HIST1H1	cg00667898	0.0166351256009395	511	0.374619312805885	0.708100247544601	0.000276727403759033	0.83363776865338
THCA	HIST1H1	cg00700007	0.0552261994690737	511	1.24541024335642	0.213556254796084	0.00304993310779792	0.400095625792643
THCA	HIST1H1	cg03821311	0.0174056119670645	511	0.391975635480514	0.695240925594389	0.00030295532794802	0.825298301051116
THCA	HIST1H1	cg04676561	0.0144151100534878	511	0.324293577476375	0.745849793161017	0.000207795397854166	0.857305246697864
THCA	HIST1H1	cg07138603	0.0877860934830184	511	1.98431039417693	0.047759946424025	0.00770639820900925	0.139515499684976
THCA	HIST1H1	cg11206041	0.0789896664845181	511	1.78415822173183	0.0749958833955532	0.00623936741133541	0.193860433722335
THCA	HIST1H1	cg14334286	0.116202610621582	511	2.63434099665595	0.00868783225816086	0.0135030467152711	0.0382508740823648
THCA	HIST1H1	cg18798248	0.0211467928392878	511	0.476261655874133	0.634093150088348	0.000447186847387752	0.784538496691471
THCA	HIST1H1	cg23460835	0.109142862102073	511	2.47230212187501	0.0137516872686041	0.0119121643478322	0.0546038566442317
THCA	HIST1H1	cg00903962	0.00681983558666335	511	0.153563493732433	0.878015024849745	4.65101574291199e-05	0.935265374673582
THCA	HIST1H1	cg04290376	0.00362251419154052	511	0.081567457392221	0.935022869931373	1.31226090679125e-05	0.965445053796877
THCA	HIST1H1	cg07750111	-0.0173022335194897	511	-0.389646846147189	0.696961327755313	0.000299367284762951	0.826191873999401
THCA	HIST1H1	cg08283682	0.000625836882540152	511	0.0140917593712034	0.988762318233227	3.91671803547576e-07	0.994078107273846
THCA	HIST1H1	cg10717387	-0.049749599965134	511	-1.12158368476425	0.262570413043893	0.00247502269669087	0.458011341393336
THCA	HIST1H1	cg12633985	-0.0471689633306351	511	-1.06327103380316	0.288165219406141	0.0022249111016868	0.485700900844574
THCA	HIST1H1	cg15022984	-0.00060699560585032	511	-0.0136675164988047	0.989100615546827	3.68443665521598e-07	0.994286077624878
THCA	HIST1H1	cg16481032	-0.0246156844201819	511	-0.554431008200257	0.579528385930961	0.000605931919473987	0.745538648486526
THCA	HIST1H1	cg16482183	-0.00706654065241156	511	-0.159118869697743	0.873638586186121	4.99359967921852e-05	0.933118113697488
THCA	HIST1H1	cg17691542	-0.00608076236185785	511	-0.136920993069564	0.891147598723796	3.69756709013871e-05	0.942418343236566
THCA	HIST1H1	cg20855557	-0.0600764223277825	511	-1.35516813659209	0.175967444571242	0.00360917651970609	0.351808264577502
THCA	HIST1H1	cg23407813	0.0205564045860537	511	0.462959408866801	0.64359210971896	0.000422565769505528	0.790773252110986
THCA	HIST1H3	cg00958605	0.00874730981082291	511	0.19677339682133	0.844083879213997	7.65154289265188e-05	0.916678944644693
THCA	HIST1H3	cg01043409	0.0218693540006575	511	0.492542617283418	0.622549025816318	0.000478268644406072	0.776417251781179
THCA	HIST1H3	cg08041469	-0.0220418023805228	511	-0.496428388270974	0.61980735663239	0.000485841052182019	0.774521042331559
THCA	HIST1H3	cg08401836	-0.0232148539677939	511	-0.522861897136536	0.60129877360308	0.000538929444745997	0.761023347835223
THCA	HIST1H3	cg10075390	0.0644060907572807	511	1.45322731029596	0.1467793098306	0.00414814452663508	0.311194762449633
THCA	HIST1H3	cg15479139	0.0829247472358403	511	1.87364155430933	0.06155484118497	0.00687651370412801	0.167756080404398
THCA	HIST1H3	cg15797414	0.0447978210357786	511	1.00971100278058	0.313115401940613	0.00200684476955365	0.512131269654312
THCA	HIST1H3	cg21209604	0.0196889329286887	511	0.443414972473464	0.657654762453574	0.0003876540798704	0.800625873842968
THCA	HIST1H3	cg23099349	-0.00764679883134484	511	-0.172185407403008	0.863360478112794	5.84735323670567e-05	0.927402835053578
THCA	HIST1H3	cg25701114	0.166638143213018	511	3.80534031568397	0.000158905312832361	0.0277682707734823	0.00142978023438361
THCA	HLTF	cg00906762	-0.115831037170473	511	-2.62580259556258	0.00890573075397087	0.0134168291719876	0.0390250897467701
THCA	HLTF	cg02059813	-0.0923534188552512	511	-2.08841586047875	0.0372586386913743	0.00852915397425347	0.116232848312017
THCA	HLTF	cg02398045	-0.0037753086135346	511	-0.0850079481370202	0.932288628772162	1.42529551274285e-05	0.964075842915652
THCA	HLTF	cg02611507	-0.0537168453998547	511	-1.21127279689643	0.226355145100221	0.00288549947971189	0.415887016318145
THCA	HLTF	cg02710346	-0.0452509370437681	511	-1.01994476533156	0.30824109535116	0.00204764730333906	0.506801390082388
THCA	HLTF	cg03678609	-0.0537942220828035	511	-1.21302264058947	0.225686026142476	0.00289381832949398	0.415049732103917
THCA	HLTF	cg04120413	-0.00799637017937059	511	-0.180057309246882	0.857179520246728	6.39419360455273e-05	0.924002654889618

THCA	HLTF	cg04731810	-0.0288923382979796	511	-0.650830675228601	0.515450637672979	0.000834767212324899	0.696779560151032
THCA	HLTF	cg04836786	-0.0414985418089429	511	-0.935214203826021	0.350123136172524	0.00172212897226858	0.549137856341425
THCA	HLTF	cg05555455	-0.0489256298268533	511	-1.10296267780529	0.27056662935437	0.00239371725395428	0.466716786713538
THCA	HLTF	cg07275648	-0.097827092820361	511	-2.21335596136163	0.0273175924627654	0.00957014008968352	0.0920452456777707
THCA	HLTF	cg09352720	0.0534441017582746	511	1.20510497945309	0.228724961068389	0.00285627201274881	0.418644508672705
THCA	HLTF	cg09392355	-0.0732940357690666	511	-1.65478767808049	0.0985864435383032	0.00537201567931721	0.235735962027994
THCA	HLTF	cg15438497	-0.118876956736502	511	-2.69582821158286	0.00725473585800335	0.0141317308429322	0.033327915515384
THCA	HLTF	cg16724124	-0.0208817503029463	511	-0.470289827714424	0.638350200047543	0.000436047495714598	0.787311240406703
THCA	HLTF	cg20117402	-0.0202195014867735	511	-0.455368743741359	0.64903892499953	0.000408828240373635	0.794688588066819
THCA	HLTF	cg21089667	0.0112401524850085	511	0.253106686839666	0.800288365130423	0.000126341027886242	0.890909304059132
THCA	HLTF	cg21111416	-0.0148155380175875	511	-0.333633057908549	0.738794409158045	0.000219500166750581	0.852924390843752
THCA	HLTF	cg21835021	-0.108197510054776	511	-2.45063324522099	0.0145972920505636	0.0117067011820534	0.0571505655652512
THCA	HLTF	cg21926402	-0.0385456244599127	511	-0.86856422074132	0.385496486442945	0.00148576516500462	0.583517797142515
THCA	HLTF	cg24041269	0.0214381199949825	511	0.482825834086074	0.629427814718418	0.000459592988919266	0.781363515378183
THCA	HLTF	cg24710191	-0.00543928146740321	509	-0.122234456697658	0.902761964704517	2.9585782881636e-05	0.948559716391896
THCA	HLTF	cg25951608	0.0351366715259023	511	0.79164933418285	0.428935382105626	0.00123458568591915	0.623041744580843
THCA	HLTF	cg26151310	-0.00113336151161253	511	-0.0255195327689589	0.979650609704994	1.28450831600465e-06	0.989546841323754
THCA	HLTF	cg27554556	-0.0169970284893227	511	-0.382771615133709	0.702049528225427	0.000288898977466848	0.829413816649995
THCA	IDH1	cg00707300	-0.0384476488733496	511	-0.866353224525475	0.386706284874753	0.00147822170388838	0.584666473462638
THCA	IDH1	cg01046174	0.0125137793174066	511	0.281790584757919	0.778219071922287	0.000156594672804754	0.877300812675666
THCA	IDH1	cg02241586	-0.0899490903731458	511	-2.03359658921428	0.0425124973741328	0.00809083885895635	0.128027008311138
THCA	IDH1	cg03448938	-0.0724587025042332	511	-1.63582791965717	0.102496215309596	0.00525026356859698	0.242483671617392
THCA	IDH1	cg05268564	0.0486330694455429	511	1.09635161319611	0.273445409058775	0.002365175443695	0.469828216364121
THCA	IDH1	cg07129696	0.0305932051890795	511	0.689179407035681	0.491025648353241	0.000935944203741121	0.676708639597365
THCA	IDH1	cg07915542	0.00807301642398528	511	0.181783293848679	0.85582544970298	6.51735941819361e-05	0.923323464215591
THCA	IDH1	cg09406631	0.0245806588100448	511	0.553641632094557	0.580068199652617	0.000604208787535832	0.745943061803053
THCA	IDH1	cg09615745	-0.027403754310591	511	-0.617272851108099	0.537331887988864	0.000750965750315235	0.713261736775718
THCA	IDH1	cg10356455	0.00785990425801609	511	0.176984262687369	0.859591429946479	6.17780949451794e-05	0.925397244765663
THCA	IDH1	cg14772913	-0.048460695192341	511	-1.09245655896538	0.275151303530978	0.00234843897852498	0.471665429176521
THCA	IDH1	cg15399923	-0.0123187311398138	511	-0.277397735355619	0.781587790304993	0.000151751136895018	0.879321110278629
THCA	IDH1	cg16085695	-0.0162922928537473	511	-0.366896724474345	0.713849133023043	0.000265438806432266	0.837124716669098
THCA	IDH1	cg16863783	0.00403099577816533	511	0.0907653008297816	0.927714929584486	1.62489269635868e-05	0.961877826926144
THCA	IDH1	cg24324379	-0.0526072721786969	511	-1.18618261969745	0.236105762564562	0.0027675250860835	0.427382360168172
THCA	IDH1	cg24830471	0.00651774199287827	511	0.146760900974914	0.883379084905604	4.24809606857287e-05	0.938127508820631
THCA	IDH1	cg24987806	0.0686220881906536	511	1.54879118746668	0.122055883397621	0.00470899098764584	0.273839717507118
THCA	IDH1	cg25795625	0.0418603602510281	511	0.943382422194016	0.345934649734931	0.00175228976034585	0.545222107866455
THCA	IDH1	cg26105702	-0.121830429219096	511	-2.76380217190702	0.00592107253851772	0.0148426534837091	0.0283810176870886
THCA	ING2	cg02075087	-0.0641889714689671	511	-1.44830803481436	0.14814905054885	0.00412022405824387	0.313097181157218
THCA	ING2	cg02552216	-0.0306792607337018	511	-0.691119821726687	0.4898065564737	0.000941217039166457	0.675800247719315
THCA	ING2	cg10348863	-0.0530608025101463	511	-1.19643751731212	0.232085060050774	0.00281544876302075	0.422708629691948
THCA	ING2	cg17985608	-0.00608612175931793	511	-0.137041675501959	0.891052256016422	3.70408780692432e-05	0.942381675700361
THCA	ING3	cg01382559	0.0523143799046688	511	1.17956034442105	0.238728315983062	0.00273679434481001	0.43048679014363
THCA	ING3	cg01416111	-0.125609159885285	510	-2.84806541682317	0.00457754940184547	0.015777661047087	0.0230997585733761
THCA	ING3	cg10268125	0.0147569179472505	511	0.332312696698597	0.73979049891618	0.000217766627301885	0.853453525782495
THCA	ING3	cg14303833	-0.0545976484096257	511	-1.23119311656462	0.218821454326366	0.0029809032118611	0.406674698819019
THCA	ING3	cg16130600	-0.0869272825579826	511	-1.96474935496394	0.0499889260218814	0.00755635245291534	0.144266156363935
THCA	ING3	cg18485114	0.127252809277278	511	2.88879328228229	0.00403267421778262	0.0161932774689593	0.0208783347596287
THCA	ING3	cg19478983	-0.0919105606522186	511	-2.07831584773614	0.0381827102599935	0.00844755115940515	0.118299644030664
THCA	ING3	cg19960827	-0.0492923559313392	511	-1.11125008708648	0.266987413890265	0.00242973635326183	0.462717911114116
THCA	ING3	cg20553930	-0.0554709615680769	511	-1.25094689098182	0.211530806788416	0.00307702757728706	0.397589397745731
THCA	ING3	cg24859794	0.0295825158876127	511	0.666391118597542	0.505464250936379	0.000875125246240859	0.688635718042978
THCA	ING4	cg00369908	-0.0364261584702546	510	-0.819930322038779	0.412641883424423	0.0013268650209001	0.608274200915594
THCA	ING4	cg00443163	-0.0530689900487295	511	-1.19662265477618	0.232012922775126	0.00281631770479215	0.422619024875155
THCA	ING4	cg00591160	-0.0793790507805239	510	-1.79123984250987	0.0738523394842728	0.00630103370281699	0.191687871941796
THCA	ING4	cg03930474	0.0493092835069959	511	1.11163263342174	0.266822989825044	0.0024314054399733	0.462546298031229
THCA	ING4	cg04375284	-0.0779006429477842	511	-1.75940894926156	0.0791111781762661	0.00606851017167816	0.201386616329989
THCA	ING4	cg08733494	-0.0427166171869049	511	-0.962714304793822	0.336149845085199	0.00182470938389258	0.53570889708134

THCA	ING4	cg12392916	-0.0631705682710901	511	-1.42523680037896	0.154704077259376	0.00399052069569245	0.322344358964964
THCA	ING4	cg18123790	-0.0730887413826775	511	-1.65012773945484	0.0995361417400853	0.00534196411690391	0.237473996704027
THCA	ING4	cg23354319	-0.121344535053953	510	-2.74989833265197	0.00617473684280573	0.0147244961874601	0.0293455603854377
THCA	ING4	cg27116036	-0.0906046199627583	511	-2.04853922629986	0.0410215617500542	0.00820919715859586	0.12463800088985
THCA	INO80	cg00734724	0.00612661593225659	511	0.137953520046827	0.890331922894276	3.75354227813803e-05	0.941923784010408
THCA	INO80	cg06380007	0.0931757669755766	511	2.10717400222174	0.035593023703548	0.00868172355148695	0.112261248165166
THCA	INO80	cg12580230	0.0579796179843295	511	1.30770724226329	0.191565278704386	0.00336163610160879	0.372026294161691
THCA	INO80	cg18952654	0.133394911806339	511	3.03069335870301	0.00256458779189943	0.017794202495821	0.0145298625506536
THCA	INO80	cg21007089	0.0230633397733912	511	0.519447561673748	0.603675360859985	0.000531917641502889	0.762683472219785
THCA	INO80	cg21598047	0.0556134411086997	511	1.25416995735671	0.210358159212485	0.0030928548319508	0.396035977778275
THCA	INO80	cg22835709	0.0229556779738712	511	0.517021451025897	0.605366651709051	0.000526963151240074	0.764028185606374
THCA	INO80	cg26409855	0.0624323175819232	511	1.40851503016996	0.15959155439906	0.00389779427865011	0.329214792675927
THCA	INO80	cg27441689	0.0496033164592971	511	1.118277638525	0.26397801193525	0.00246048900376117	0.459477904427683
THCA	INTS12	cg00093890	0.00872371358341559	511	0.196436371901383	0.84434734331914	7.61031786854697e-05	0.916839847942843
THCA	INTS12	cg01852585	0.0275661615695537	511	0.62093386787312	0.534922178523908	0.000759893263678742	0.711512176514733
THCA	INTS12	cg03607115	0.0146730628862867	511	0.330423947332327	0.741216145569376	0.000215298774464923	0.854392899923449
THCA	INTS12	cg19703969	0.0415737232521659	511	0.936911429172925	0.349250190297157	0.00172837446504768	0.548273437832316
THCA	INTS12	cg26533745	-0.0259802518280344	511	-0.585186035940515	0.558682983029229	0.000674973485048086	0.729696517608137
THCA	IWS1	cg02372421	0.00381246035478503	510	0.0857597982871933	0.931691287724026	1.45348539568076e-05	0.963743121433367
THCA	IWS1	cg02592214	-0.0973834509927566	510	-2.20104828488093	0.0281834534021843	0.00948353652725863	0.0942605673107211
THCA	IWS1	cg10180764	-0.105841879533404	511	-2.39666781634909	0.0169060834895558	0.0112025034631636	0.063940486119233
THCA	IWS1	cg10488833	0.0607459286696055	511	1.37032608734387	0.171191568331846	0.0036900678499328	0.345294844740793
THCA	IWS1	cg15239145	0.0337101539547678	511	0.759471736760379	0.447923383896628	0.00113637447965415	0.639430254644541
THCA	IWS1	cg17144508	-0.0216133409119145	511	-0.486773967775633	0.626628882304619	0.000467136505374637	0.779231881424024
THCA	IWS1	cg18451256	-0.00764390702463971	511	-0.172120287863791	0.863411645026254	5.84293146013363e-05	0.927402835053578
THCA	IWS1	cg18530950	-0.0989895599952099	511	-2.23991572420205	0.0255289609362461	0.00979893298804525	0.0875378525690178
THCA	IWS1	cg19311602	-0.00463152245128849	511	-0.104287537168349	0.916982409200161	2.14510002167893e-05	0.956178936281983
THCA	IWS1	cg19409088	0.133448096275709	511	3.03192359851288	0.002554346557149	0.0178083943996109	0.0144876666715405
THCA	IWS1	cg21581038	-0.0378256068772165	511	-0.852316303539618	0.394440989415869	0.00143077653562973	0.591190319255128
THCA	IWS1	cg21679674	-0.090561570920584	511	-2.04755785173865	0.0411180987944586	0.00820139812760396	0.124872789569648
THCA	IWS1	cg22409775	-0.046458072951778	511	-1.04721139221166	0.295501065590839	0.00215835254239273	0.493436290387519
THCA	IWS1	cg23570261	-0.0510053024707902	511	-1.14996589513708	0.250700054847107	0.0026015408801368	0.444303961582474
THCA	IWS1	cg23623107	-0.00738296159696647	510	-0.166080140833386	0.86816022080407	5.45081219422817e-05	0.929988931965959
THCA	JADE1	cg09863040	0.0260962454168309	509	0.587800482607704	0.556927928592893	0.000681014024855468	0.728284607109691
THCA	JADE1	cg12832492	-0.0284100743189579	509	-0.63995831582979	0.522488780144478	0.000807132322808712	0.702281611559071
THCA	JADE1	cg14617908	0.115162398248652	509	2.61044072713797	0.00931012161027544	0.0132623779703812	0.0403296552281568
THCA	JADE1	cg15389440	0.0597567234305336	509	1.34793064612747	0.178282635582978	0.00357086599515328	0.354877420616708
THCA	JADE1	cg15836763	-0.0553843825334883	509	-1.24898840180291	0.212245674488189	0.00306742982861576	0.398432470286291
THCA	JADE1	cg20039387	0.0969018002673099	509	2.19222164938474	0.0288173728464803	0.00938995889504561	0.095808312458613
THCA	JADE1	cg22922695	0.0746393710705659	509	1.68533045288926	0.0925401637646403	0.00557103571380964	0.225337094650884
THCA	JADE1	cg26766900	0.00551402429830794	509	0.124159300617741	0.901238354630906	3.04044639623304e-05	0.947931864473064
THCA	JADE2	cg04590931	0.0852899014182984	509	1.92746710190669	0.054479772901936	0.00727436728394306	0.15363894308421
THCA	JADE2	cg04842522	0.191523259012837	509	4.39380193283015	1.35717663348987e-05	0.0366811587428982	0.000170952394795516
THCA	JADE2	cg17378563	-0.068348930589561	509	-1.54259706345503	0.123552472982494	0.00467157631273662	0.27629979829247
THCA	JADE2	cg18145011	-0.0451435451446878	509	-1.01751922990164	0.309391792927472	0.00203793966823047	0.508013266428447
THCA	JADE2	cg21194015	0.176727222531839	509	4.04294333007909	6.09912071946091e-05	0.0312325111838183	0.000631706826321052
THCA	JADE2	cg25669900	0.0274975354284658	509	0.619386877751385	0.535939752141372	0.000756114454639734	0.712212112710726
THCA	JADE2	cg26133206	0.0699423503383854	509	1.57873442221564	0.115020661692001	0.00489193237085744	0.26291112874383
THCA	JADE3	cg10860619	-0.00374132703107802	509	-0.0842427801696517	0.932896658112726	1.3997527953475e-05	0.964334497299879
THCA	JADE3	cg17843048	-0.0166043742871442	509	-0.37392660892908	0.708615238613076	0.000275705245467574	0.83397952378836
THCA	JADE3	cg19194595	0.0440110013767509	509	0.991941921847818	0.321699023948995	0.00193696824218437	0.52117399090127
THCA	JARID2	cg01769037	0.00496367474390212	511	0.111766755899793	0.911052581195405	2.46380669632517e-05	0.952780078345478
THCA	JARID2	cg03223185	0.0369660537651045	511	0.832921366137603	0.405281265939463	0.00136648913096459	0.601710958481136
THCA	JARID2	cg05197191	-0.0344763019832713	511	-0.776752954515532	0.437666773396488	0.00118861539844172	0.630550752256725
THCA	JARID2	cg06047828	0.0468227175880539	511	1.05544883589867	0.291722777193016	0.00219236688233065	0.489406778567498
THCA	JARID2	cg14862454	0.0752534345856944	511	1.69927443235817	0.089880905065768	0.00566307941694338	0.220601815014082
THCA	JARID2	cg15109221	-0.0030289050060561	511	-0.0682011385516505	0.945652408830356	9.17426553571171e-06	0.970938700936395

THCA	JARID2	cg21397480	-0.0238634010595285	511	-0.537477158172327	0.591173877282454	0.000569461910127905	0.753943189385256
THCA	JARID2	cg21901688	-0.0586825065456587	509	-1.32100180679779	0.187099016947455	0.00344363657448128	0.366287865828078
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THCA	JMJD6	cg02318866	-0.030343433791393	511	-0.683547548810762	0.494573179388235	0.000920723974252651	0.679683182598059
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THCA	JMJD6	cg07312083	-0.106028857779296	511	-2.40094982035918	0.0167118005408055	0.0112421186819822	0.0633998737575064
THCA	JMJD6	cg08857478	-0.0245145834725229	511	-0.552152490350949	0.581087190250358	0.000600964802831295	0.746736551512566
THCA	JMJD6	cg10712116	0.0103872565879747	511	0.233898948716691	0.815157844452538	0.000107895099424423	0.900551269806447
THCA	JMJD6	cg12504415	-0.0851264129385745	511	-1.92374542954588	0.0549460448289311	0.00724650617978871	0.154547422496994
THCA	JMJD6	cg15457598	-0.0172185181597929	511	-0.38776101313283	0.698355640956726	0.000296477367619116	0.827021642730169
THCA	JMJD6	cg21102709	-0.052202865275806	511	-1.17703908623645	0.239732183469625	0.00272513914300395	0.431656648092489
THCA	JMJD6	cg21807925	-0.054224176221906	511	-1.22274628687655	0.221993617680961	0.00294026128694431	0.410442330399103
THCA	JMJD6	cg23630158	-0.0576339252681579	511	-1.29988421699445	0.194231321041908	0.00332166934181561	0.37551882837816
THCA	JMJD6	cg25004679	-0.0638267192246331	511	-1.44010093881103	0.150456034378137	0.00407385008698015	0.316254252033468
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THCA	JMJD8	cg00873473	-0.107001274929885	511	-2.42322338858215	0.0157325880370789	0.0114492728366208	0.0605412026986802
THCA	JMJD8	cg02851105	-0.141303603784011	511	-3.21393288533897	0.00139266201489514	0.0199667084423488	0.00884840258379962
THCA	JMJD8	cg03899598	-0.112452286445373	511	-2.54821295082781	0.0111214588674383	0.0126455167267921	0.046318872561669
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THCA	JMJD8	cg06191810	-0.117390190519822	511	-2.66163797949218	0.00802291651970002	0.0137804568302801	0.0360094941991661
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THCA	JMJD8	cg08398290	-0.149262062034629	511	-3.39895943337902	0.000729702471298777	0.0222791631628294	0.00516246581049628
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THCA	JMJD8	cg27579097	0.101262949754069	511	2.29188444312427	0.0223213114259163	0.0102541849928951	0.0790655920764246
THCA	KAT2B	cg00770008	-0.0295760379677335	511	-0.666245065837111	0.50555750737127	0.000874742021868812	0.68869618131735
THCA	KAT2B	cg04371528	0.0119741790047314	511	0.269637854557108	0.78754858132321	0.000143380962837351	0.882981499660707
THCA	KAT2B	cg05072819	-0.0428031614434122	511	-0.964668349173042	0.335170845394131	0.00183211062955081	0.534758316343465
THCA	KAT2B	cg12062464	-0.00589966488839617	511	-0.132843063237309	0.894370203521367	3.48060457953746e-05	0.9440136169863
THCA	KAT2B	cg14937543	-0.053575089200184	511	-1.24838050424829	0.212467918629156	0.00306445379382992	0.398724592604732
THCA	KAT2B	cg18053505	-0.0598295954759149	511	-1.34958032024872	0.177752933310749	0.00357958049481162	0.354194608078082
THCA	KAT5	cg00582417	-0.0351801942048998	511	-0.792631139444275	0.428363495350853	0.00123764606429447	0.622566363841131
THCA	KAT5	cg02561205	0.0097052816109282	511	0.218540823769274	0.82709569373369	9.4192491147421e-05	0.907167716880712
THCA	KAT5	cg05785768	-0.0693764347162026	511	-1.56589857760986	0.117996272811241	0.00481308969393152	0.267644460071658
THCA	KAT5	cg07564927	-0.0244779036855304	511	-0.551325840084563	0.581653213266994	0.000599167768838102	0.747044469986002
THCA	KAT5	cg14726348	-0.0897993332646984	511	-2.03018328708395	0.042859443194502	0.00806392025478436	0.128788579082741
THCA	KAT5	cg18896539	0.0530657587466567	511	1.19654958821265	0.232041390647703	0.00281597475135838	0.422660983494051
THCA	KAT5	cg20108992	0.0198170382007496	511	0.446301164437131	0.655570264422213	0.000392715003049968	0.799187706308326
THCA	KAT5	cg20423942	0.0474780450516796	511	1.0702539664919	0.285014249527029	0.00225416476192931	0.482179285648665
THCA	KAT5	cg22048492	0.0312913043129322	511	0.704920870414508	0.481183181076923	0.000979145725604527	0.668437427701258
THCA	KAT6A	cg10163397	-0.00015368298338068	511	-0.0034604276020283	0.997240344875119	2.36184593807866e-08	0.99860101160044
THCA	KAT6A	cg12468056	0.16079741115933	511	3.66835543763095	0.000269934606782259	0.0258558074355427	0.00223491834823532
THCA	KAT6A	cg15251374	0.00567057371250321	511	0.1275584523172	0.898549089171535	3.21554062289325e-05	0.946352852298873
THCA	KAT6A	cg20966972	0.124257346159352	511	2.81971318485733	0.00499480580888677	0.015439888074565	0.0247462694622683
THCA	KAT6B	cg04396765	-0.0718656451876697	511	-1.62236925925075	0.105345933938341	0.00516467095824004	0.247223814212917
THCA	KAT6B	cg06972998	-0.0869011473502273	511	-1.96415414572885	0.0500580988568701	0.00755180941078591	0.144395266487559
THCA	KAT6B	cg09631472	0.0049060042091759	511	0.110468160612014	0.912081813272371	2.40688773004516e-05	0.953306398110749
THCA	KAT6B	cg10359932	-0.0246229384508021	511	-0.554594493357558	0.579416616397452	0.00060628909795199	0.745425528056084
THCA	KAT6B	cg10739686	-0.0567699986974518	511	-1.28033560591103	0.201012580856958	0.00322283275210868	0.38417778879683
THCA	KAT6B	cg11128436	0.161898261339264	511	3.6941433385896	0.000244612094113475	0.0262110470246766	0.00205511319132304
THCA	KAT6B	cg11348552	0.00923478408758568	511	0.207945365184205	0.835355130696971	8.52812371443256e-05	0.911827125972916
THCA	KAT6B	cg15874302	-0.0862925884553155	511	-1.9502958381113	0.0516915485152211	0.00744641082231845	0.14783619444848
THCA	KAT6B	cg15912797	0.199954150630925	511	4.59509652781919	5.46570850671557e-06	0.0399816623545347	7.69730860918593e-05
THCA	KAT6B	cg17147776	0.0700952872606186	511	1.58220353135113	0.114226698156536	0.00491334929614863	0.261696070102179
THCA	KAT6B	cg18462764	-0.0749199292612517	511	-1.69170104822548	0.0913174677164379	0.00561299580051096	0.223163103808393
THCA	KAT6B	cg18491775	0.169766281932566	511	3.87887410254284	0.000118767260890949	0.0288205904812074	0.00111721648050187
THCA	KAT6B	cg24671245	0.0673985626990478	511	1.52104922007836	0.128870881677637	0.00454256625389748	0.284335385837093

THCA	KAT6B	cg26605858	-0.0159316074990801	511	-0.358772131214681	0.719914913057391	0.000253816117504746	0.841131531267541
THCA	KDM1A	cg00062312	0.0514734438342036	511	1.16054852482696	0.246371716234838	0.00264951542015291	0.439501967318054
THCA	KDM1A	cg00541565	-0.0771876389795805	511	-1.74320857827387	0.0819033935441401	0.00595793161124205	0.20639511995487
THCA	KDM1A	cg04886391	-0.0286306859349945	511	-0.64493181974856	0.519263083945938	0.000819716177108293	0.699877895153856
THCA	KDM1A	cg06958034	-0.00996634597073304	511	-0.224419974508778	0.822520941559726	9.93280520083466e-05	0.904591638312844
THCA	KDM1A	cg07118078	0.0304588385266982	511	0.686149684680689	0.492932377203747	0.000927740844395472	0.678374988539986
THCA	KDM1A	cg07785945	0.0568361590345423	509	1.27930178734252	0.201378284544517	0.00323034897379978	0.384650953528413
THCA	KDM1A	cg10499166	0.0478518480372316	511	1.07869952700645	0.281234620834453	0.00228979936057831	0.478456187661456
THCA	KDM1A	cg12578844	-0.0811420324338302	511	-1.83309212849603	0.0673750400967027	0.00658402942749276	0.17926824891562
THCA	KDM1A	cg22683154	-0.0528099189547004	511	-1.19076462969244	0.234303199079015	0.00278888754000202	0.425267330887121
THCA	KDM1A	cg26662347	0.0270077378312828	511	0.608345973272263	0.543230468868486	0.000729417902763306	0.717609107673385
THCA	KDM1B	cg11007366	0.00331572939136723	511	0.0746595634170071	0.940515029398727	1.09940613967765e-05	0.968318554824381
THCA	KDM1B	cg15124342	-0.00089354430698825	511	-0.0201196418327066	0.98395584679917	7.98421428551112e-07	0.991603766431259
THCA	KDM1B	cg20677365	-0.119700938728493	509	-2.70942481952579	0.00696902846649746	0.0143283147324825	0.0322880471992558
THCA	KDM1B	cg22406543	0.0725531256818371	511	1.63797089080859	0.102048195791176	0.00526395604620445	0.24170307028098
THCA	KDM1B	cg23073439	0.0811688480663452	511	1.83370194159038	0.0672842601351643	0.00658838189641743	0.179061019873938
THCA	KDM1B	cg23860886	0.053571910526375	511	1.207995209767	0.227612271934557	0.00286994959744593	0.417329399299463
THCA	KDM1B	cg24342628	0.0290275259972582	511	0.653878484153712	0.513486556054857	0.000842597265521503	0.695114990198402
THCA	KDM2A	cg05038268	-0.197367036633243	511	-4.53321644169678	7.25532776185343e-06	0.038953747149388	9.84244100991201e-05
THCA	KDM2A	cg05295919	-0.0972556066278859	511	-2.20030214690574	0.0282357527769535	0.00945865302055808	0.0943950215526566
THCA	KDM2A	cg06320126	-0.210482680153102	510	-4.8431899542797	1.700771023425e-06	0.044302958644433	2.73706621837659e-05
THCA	KDM2A	cg07283932	0.00481790561597832	511	0.108484404157234	0.913654370903963	2.32122145244754e-05	0.954410088759573
THCA	KDM2A	cg08836144	-0.130961134349801	509	-2.968552111111919	0.00313417837468632	0.0171508187101867	0.0170658831441414
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THCA	KDM2A	cg11637544	0.136657228848876	511	3.10620562511125	0.00200118674538968	0.018675198196654	0.0119048957460308
THCA	KDM2A	cg16004548	-0.0327340947011706	511	-0.737457703696796	0.461185208619146	0.00107152095590521	0.650757323524856
THCA	KDM2A	cg18132081	0.111424563040969	511	2.52463019459211	0.0118860384313326	0.0124154332488708	0.0487897041856842
THCA	KDM2A	cg21293464	-0.208364102638032	511	-4.79695044988009	2.12151721595914e-06	0.0434155992681524	3.32543442067953e-05
THCA	KDM2A	cg21711868	0.0395699746668834	511	0.891682049233205	0.372986358039174	0.00156578289513779	0.571565629305038
THCA	KDM2A	cg25597833	-0.0349275762140108	511	-0.786932525619014	0.431689052613139	0.00121993558018553	0.625562457401539
THCA	KDM2B	cg03486832	-0.0766488003564464	511	-1.73096725524625	0.084065997943563	0.00587503859608238	0.210331272119819
THCA	KDM2B	cg05067991	0.0147785138461444	511	0.332799123337346	0.739423484217755	0.000218404471500681	0.853220929399924
THCA	KDM2B	cg07020001	0.0138204129756322	511	0.311219270373263	0.755761855014093	0.000191003814817023	0.863762730088976
THCA	KDM2B	cg07529210	-0.107705923552701	511	-2.43936801300368	0.0150548150981328	0.0116005659683402	0.0585382259081394
THCA	KDM2B	cg07793808	0.00798630331517806	511	0.179830615368415	0.857357397686715	6.37810406420241e-05	0.924104764747354
THCA	KDM2B	cg09151742	0.0101112348699379	511	0.227862881898858	0.819984568739321	0.000102237070595047	0.903142806140459
THCA	KDM2B	cg12251659	0.0326292537287765	511	0.735093247939711	0.462622590042441	0.00106466819889688	0.652014815474785
THCA	KDM2B	cg12888660	-0.0550705739151168	511	-1.2418900285196	0.214851317632453	0.00303276811134034	0.401772635366915
THCA	KDM2B	cg15234492	-0.0504753784566261	511	-1.13798754651813	0.255663156563048	0.00254776383033963	0.449928741488109
THCA	KDM2B	cg15316703	0.0118680423533842	511	0.267247502077211	0.789387277882823	0.000140850429301722	0.884089525557562
THCA	KDM2B	cg16837338	0.165580000825341	511	3.78049322596032	0.000175147349944625	0.02741673667332	0.00155399326432392
THCA	KDM2B	cg17452615	0.0246249054951065	511	0.554638824940087	0.579386310071905	0.000606385970642928	0.745411192976893
THCA	KDM2B	cg20055546	0.0390002263206782	511	0.878823462761329	0.379913310269151	0.00152101765306412	0.578352629233265
THCA	KDM2B	cg21249371	-0.122332986306812	511	-2.77537585339175	0.00571747506830133	0.0149653595387426	0.0275989858192749
THCA	KDM2B	cg21781916	0.105431897564427	511	2.38727968517985	0.0173390132866466	0.0111158850240358	0.0652416541533922
THCA	KDM2B	cg26218726	0.0405083643342033	511	0.912862365078779	0.361748805620732	0.00164092758103256	0.560640913314344
THCA	KDM2B	cg26509318	-0.00415855654323481	511	-0.0936376155162834	0.925434019500971	1.72935925232811e-05	0.960728499194821
THCA	KDM3A	cg01744130	-0.125540598115532	511	-2.84929729030581	0.00455978889799712	0.0157604417752055	0.0230310490540701
THCA	KDM3A	cg02152982	-0.0234927825242487	511	-0.529125043334624	0.596950289046961	0.000551910830731644	0.757963638360757
THCA	KDM3A	cg02972551	-0.0336852934156019	511	-0.758911005615225	0.448258463095618	0.00113469899249519	0.639673830653224
THCA	KDM3A	cg03037033	0.00753396980705503	511	0.169644654993715	0.865357268709043	5.67607010536167e-05	0.928512062161531
THCA	KDM3A	cg04793821	-0.0258892640151625	511	-0.583135225495868	0.560061557045498	0.000670253991246786	0.730724172223019
THCA	KDM3A	cg07052513	0.0150337053537479	511	0.338547099548933	0.735091095356024	0.000226012296663309	0.85064221363309
THCA	KDM3A	cg07211384	-0.0804956943037174	511	-1.81839499116514	0.0695936876848924	0.00647955680143752	0.183580459793107
THCA	KDM3A	cg12888358	0.0116156581040651	511	0.261563476121469	0.793764229096339	0.000134923513190534	0.88698315117374
THCA	KDM3A	cg18611949	-0.0218227277293802	511	-0.491491997340453	0.623291212567531	0.000476231445550659	0.776794934244542
THCA	KDM3A	cg19139691	0.0167213681261632	511	0.376562016997623	0.706656657832137	0.000279604152010667	0.832719572828109

THCA	KDM3A	cg20191795	-0.00277528135937024	511	-0.0624903088129387	0.950197006889008	7.70218662366793e-06	0.973659203175049
THCA	KDM3A	cg20918903	-0.0134282586742075	511	-0.302386805792706	0.762481223598447	0.000180318131021428	0.867923039793652
THCA	KDM3A	cg22404242	-0.138889422678846	511	-3.15793299324912	0.00168360136439847	0.0192902717320632	0.0103348918600185
THCA	KDM3A	cg24749656	0.0270103120772261	511	0.608404000177472	0.543192022474244	0.000729556958509146	0.717572582098805
THCA	KDM3B	cg00435490	-0.0365439233530691	511	-0.823397105367242	0.410669343424181	0.00133545833403499	0.606536397712195
THCA	KDM3B	cg03315484	-0.0133314729294681	511	-0.300206928695929	0.764142370904668	0.000177728170469142	0.869050942241682
THCA	KDM3B	cg05191700	0.0165781057056213	511	0.373334883888362	0.709055262755294	0.000274833588786754	0.834238147822337
THCA	KDM3B	cg05708550	0.0604285305636447	511	1.36313980897262	0.173443501255251	0.00365160730608134	0.348391740986109
THCA	KDM3B	cg05722427	0.0283796054521649	511	0.639271428145591	0.522935089318531	0.000805402005620549	0.702550942724217
THCA	KDM3B	cg15001364	0.0513573451445988	511	1.15678146924481	0.24790747252694	0.00263757690030144	0.441260099706236
THCA	KDM3B	cg18682923	0.0490455085460456	511	1.10567169114513	0.269393033025761	0.00240546190854023	0.465353213197136
THCA	KDM3B	cg19076659	-0.0383574716364035	511	-0.864318234281477	0.387821828520318	0.0014712956303375	0.585726986117177
THCA	KDM3B	cg24137987	0.0742083387197142	511	1.67554384553708	0.0944441382411343	0.00550687753553983	0.22859262564584
THCA	KDM4A	cg00154982	0.0756710745771265	511	1.7087591922044	0.088107576134166	0.00572611152765705	0.217617786055108
THCA	KDM4A	cg00979347	0.0900583202208144	511	2.0360862713951	0.0422609382254408	0.00811050104099475	0.127447240552579
THCA	KDM4A	cg03587511	0.0902081143111111	511	2.03950065714964	0.0419180010968229	0.00813750388756647	0.126688231423325
THCA	KDM4A	cg08552254	-0.00776958219648461	511	-0.174950325173627	0.861188509452244	6.03664075079306e-05	0.926245759579237
THCA	KDM4A	cg10958452	-0.0148603779416548	511	-0.334643036780435	0.738032770578832	0.000220830832568821	0.852492558975036
THCA	KDM4A	cg10968649	0.111950488404044	511	2.53669736293447	0.0114891556483366	0.012532911853904	0.0475241864468918
THCA	KDM4A	cg12293275	0.0932560744992756	511	2.10900608656458	0.0354338140210101	0.00869669543101444	0.111849792166787
THCA	KDM4A	cg17737314	0.00240978226677151	511	0.0542604067226395	0.956749067877474	5.80705057324643e-06	0.977147164395112
THCA	KDM4A	cg19743044	-0.00643831422748982	511	-0.144972340362275	0.884790322850839	4.14518900918978e-05	0.938895641525258
THCA	KDM4A	cg20873046	0.0477963014165079	511	1.07744449942848	0.281794112668702	0.00228448642909767	0.478894861957117
THCA	KDM4A	cg21451504	0.0128350762810384	511	0.289026863096383	0.772678961393495	0.000164739183140074	0.873967780838993
THCA	KDM4A	cg22094309	0.0336084308255019	511	0.757177373604357	0.449295341804608	0.00112952662255255	0.640507271767412
THCA	KDM4A	cg24324755	0.104104364208024	511	2.35688906825717	0.0188080565435518	0.010837718647157	0.0694425225794528
THCA	KDM4A	cg24505556	0.0490593476369479	511	1.10598442931541	0.269257774806376	0.0024068195905629	0.46522440063997
THCA	KDM4A	cg25841161	0.0731514496894069	511	1.65155112110519	0.0992452823925102	0.00535113459166183	0.236959410532788
THCA	KDM4B	cg01098771	-0.0238399323793287	511	-0.536948270604286	0.591538896202048	0.000568342375850964	0.754149080484138
THCA	KDM4B	cg12072803	0.00842770213819249	511	0.189770447280345	0.849564966072652	7.10261633300944e-05	0.919783688966055
THCA	KDM4B	cg18115693	0.217580463962812	511	5.01943921918733	7.18592644317089e-07	0.0473412582982727	1.27339854605931e-05
THCA	KDM4C	cg00121158	0.113740600187773	511	2.57778707751363	0.0102247382406341	0.0129369241310748	0.0433425940873957
THCA	KDM4C	cg00667760	-0.00064842592274264	511	-0.0146003894301671	0.988356732050687	4.20456177284644e-07	0.993899251141682
THCA	KDM4C	cg05545111	0.0798967479812385	511	1.80477756159011	0.0717027073331672	0.00638349033797754	0.18762329008666
THCA	KDM4C	cg14196303	-0.00437449758322337	511	-0.0985000193964698	0.9215741867809	1.91362291056271e-05	0.95889765784492
THCA	KDM4C	cg14473811	0.0964002887238595	511	2.18076918571241	0.0296594082539706	0.00929301566604348	0.0978384431882876
THCA	KDM4C	cg14497348	0.015329171593378	511	0.345202313296852	0.730085447653396	0.000234983501739226	0.847401935347761
THCA	KDM4E	cg15555590	0.0920117507553546	511	2.08062352246228	0.0379698711297789	0.0084661622770655	0.117821152234283
THCA	KDM4E	cg19409026	0.0839130003396039	511	1.89612802313403	0.0585113935217672	0.00704139162599437	0.161687814280774
THCA	KDM5B	cg00528052	0.0331445087101965	511	0.746713917164748	0.455582389037437	0.00109855845764029	0.645869838255668
THCA	KDM5B	cg00571448	0.0300411988442368	511	0.676732911070665	0.498884057034638	0.000902473627998972	0.683119911821246
THCA	KDM5B	cg02624558	-0.0775300093984521	511	-1.75098733898509	0.0805528371295007	0.00601090235732408	0.204008445214454
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THCA	KDM5B	cg09889216	-0.0479720139520278	511	-1.08141460566203	0.280026826581272	0.00230131412261355	0.477184065255924
THCA	KDM5B	cg11171004	0.162839948645741	511	3.71621401451268	0.000224731933181717	0.0265168488749476	0.00191361602560623
THCA	KDM5B	cg11221497	-0.146641900244023	511	-3.33797053019657	0.000905954151526146	0.021503846907178	0.00618938245699818
THCA	KDM5B	cg13134514	-0.00319168339428716	511	-0.0718664174544143	0.942736556317744	1.01868428893684e-05	0.969557225644253
THCA	KDM5B	cg13253785	0.0299429283413974	511	0.674517198561487	0.500289999085413	0.000896578957658062	0.684215748195398
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THCA	KDM5B	cg24354901	0.102471298701281	511	2.3195214943193	0.0207631614343318	0.0105003670575272	0.0749396576330336
THCA	KDM5B	cg27531483	-0.14475368571218	511	-3.29406359460749	0.00105651644325332	0.0209536295272606	0.00702784439388188
THCA	KDM5C	cg01859586	0.0787930682990082	511	1.77793385178153	0.0760151812800679	0.00620834761197216	0.195779672653587
THCA	KDM5C	cg04927657	0.0978279643899589	511	2.21337587132774	0.0273162120367648	0.00957031061668306	0.0920454256777707
THCA	KDM5C	cg04927982	-0.419346210445771	511	-10.4009713177112	4.26736339775626e-23	0.175851244215229	7.39365853374278e-21

THCA	KDM5C	cg09554224	0.211098109105185	511	4.86280843439233	1.54647018356844e-06	0.0445624116677847	2.51265876066256e-05
THCA	KDM5C	cg12234996	-0.198444503346982	511	-4.558975847894	6.45091038203205e-06	0.0393802209086305	8.9010663756616e-05
THCA	KDM5C	cg16417926	-0.0220415520377151	511	-0.496422747276572	0.619811332900431	0.000485830016231303	0.774521042331559
THCA	KDM5C	cg16824069	-0.16985565175162	511	-3.88097669856286	0.00011777454801993	0.0288509424319678	0.00110895100322712
THCA	KDM5C	cg19903753	-0.174975785117665	511	-4.00160414818731	7.23006705064748e-05	0.0306165253775433	0.000728569735930142
THCA	KDM5C	cg24985300	0.114561856670468	511	2.59664644981117	0.00968716711505928	0.0131244190037848	0.0415597793276855
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THCA	KDM6A	cg00751785	-0.0186652000845373	511	-0.420351202830299	0.674407006533864	0.000348389694195811	0.811724790207874
THCA	KDM6A	cg03267667	0.122685826500373	511	2.78350291123331	0.00557831601881452	0.0150518120240796	0.0270733992368617
THCA	KDM6A	cg03478540	0.0525687461604152	511	1.18531153143251	0.236449558789385	0.00276347307287816	0.427812303768012
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THCA	KDM6A	cg07167981	-0.03613847169323	511	-0.814249572307412	0.415884262150587	0.00130598913632238	0.611495042850848
THCA	KDM6A	cg11895950	-0.0634279832305253	511	-1.43106793682913	0.15302682357935	0.00402310905669179	0.320147943271064
THCA	KDM6A	cg14384228	0.088689725241449	511	2.00489712752543	0.0455051753903653	0.00786586736340371	0.134704323223671
THCA	KDM6A	cg15923127	0.227159524211799	511	5.25217864151587	2.21618598101577e-07	0.051601449440131	4.4384401533494e-06
THCA	KDM6A	cg17824914	-0.0999961159386556	511	-2.26292074295281	0.0240627433611449	0.00999922320281705	0.0837350623170164
THCA	KDM6A	cg20211377	0.070052644485509	511	1.5812362426094	0.114447642051004	0.00490737299941312	0.262078766799593
THCA	KDM6A	cg22133177	0.160580519999524	511	3.66327632725258	0.000275204129611469	0.0257861034033174	0.00227265649858411
THCA	KDM6A	cg27306636	0.025576639261771	511	0.57608896224015	0.564810684733632	0.000654164475926767	0.734423121377859
THCA	KDM6B	cg01046511	-0.117781452842398	511	-2.6706338247391	0.00781402050107555	0.013872470633666	0.0352928420146697
THCA	KDM6B	cg02308232	-0.0386588211180851	511	-0.871118739192441	0.384101613257871	0.0014945044502401	0.582267537664126
THCA	KDM6B	cg24893073	-0.0354740476658435	511	-0.799260143810574	0.424513861167267	0.00125840805779853	0.619415115563143
THCA	KDM8	cg00636124	-0.0284712298769769	511	-0.6413370072042	0.521593560357968	0.000810610930707664	0.701536124386026
THCA	KDM8	cg01755539	-0.0517980987665113	511	-1.16788800359975	0.243400856266329	0.00268304303582526	0.43603201336487
THCA	KDM8	cg06329197	-0.0569828702494473	511	-1.28515211508956	0.199325901419764	0.00324704750186535	0.382090017373016
THCA	KDM8	cg08572679	-0.0799679297256606	511	-1.80639582098802	0.0714493592797763	0.00639486978460819	0.187149207266361
THCA	KDM8	cg09140090	0.0152470564814984	511	0.343013927514067	0.731730439274168	0.000232472731350003	0.848437807116907
THCA	KDM8	cg10214171	-0.0560080436302027	511	-1.26309676439539	0.207134966664639	0.00313690095128268	0.392009654058211
THCA	KDM8	cg10221365	0.00579264636798477	511	0.13043324000104	0.896275404434455	3.35547519445271e-05	0.94501163986574
THCA	KDM8	cg16752029	-0.0894343911687782	511	-2.02186601481791	0.0437149191652015	0.00799851032373003	0.130717959007445
THCA	KDM8	cg24206694	-0.0484735245200149	511	-1.09274645345056	0.275024089717639	0.00234968257939249	0.471509697538214
THCA	KDM8	cg24705286	-0.0382842628299652	511	-0.862666178738843	0.388728899573123	0.00146568478043385	0.586459342837031
THCA	KIAA202	cg03495688	0.149020158886599	511	3.39332566289919	0.000744533797199658	0.0222070077545872	0.00525115704617862
THCA	KIAA202	cg25608569	0.119482039039687	511	2.70974816275178	0.00696142807538962	0.0142759576530813	0.0322681374336704
THCA	KMT2B	cg09284703	0.0441344246014659	511	0.994729117547194	0.320342533110368	0.00194784743490248	0.519755709862723
THCA	KMT2B	cg13830730	-0.0816300797375645	511	-1.84419141885877	0.0657384830933247	0.00666346991796113	0.175982778863114
THCA	KMT2B	cg15496871	0.0172430067338381	511	0.388312659697616	0.697947668561741	0.000297321281223185	0.826728359955793
THCA	KMT2B	cg24471867	-0.00940708221580902	511	-0.211825449296708	0.832328338568453	8.84931958149904e-05	0.9100385204789
THCA	L3MBTL	cg01071811	-0.108265867028937	511	-2.4521998624928	0.0145346495002111	0.0117214979635274	0.0569540383427907
THCA	L3MBTL	cg01877937	-0.088925613122525	511	-2.01027199513641	0.0449315255486811	0.00790776466921699	0.13341742427322
THCA	L3MBTL	cg02177317	-0.111109011265173	511	-2.51739100424069	0.0121299408172871	0.0123452123843244	0.0495763694410022
THCA	L3MBTL	cg02472486	0.00631837721799271	511	0.142271594622205	0.886922000760678	3.99218906688493e-05	0.939908467187156
THCA	L3MBTL	cg02611863	-0.127344690053134	511	-2.89091345723096	0.00400601345627378	0.0162166700847287	0.0207665629917613
THCA	L3MBTL	cg03486259	0.0116690645808076	511	0.262766256164306	0.792837486644486	0.000136167068191057	0.886436517792237
THCA	L3MBTL	cg04984575	-0.154970395133931	511	-3.53208650749644	0.000449937082483746	0.0240158233679667	0.00343030788048607
THCA	L3MBTL	cg06362543	-0.0533455248389704	511	-1.20287583024634	0.229585794573038	0.0028457450203452	0.41963650350261
THCA	L3MBTL	cg06446163	-0.14568080249687	511	-3.31561735395634	0.000979919737103014	0.0212228962161321	0.00660416495089594
THCA	L3MBTL	cg06908806	0.0434627816870759	511	0.979562340096599	0.32776938367883	0.00188901339197842	0.527285897553887
THCA	L3MBTL	cg07678583	0.0152850427610532	511	0.344208330034782	0.730832335321263	0.000233632532207225	0.847864034448555
THCA	L3MBTL	cg08369943	0.0642968484232856	511	1.45075217898102	0.147467275040105	0.00413408471716696	0.312207625376785
THCA	L3MBTL	cg08633313	-0.0439021391205992	511	-0.989483585902484	0.322898580249116	0.00192739781936445	0.522269001224604
THCA	L3MBTL	cg09541000	-0.0449088087497523	511	-1.01221763599543	0.311916820049173	0.00201680110332183	0.510826009408138
THCA	L3MBTL	cg10360552	-0.102806469434353	511	-2.32718926735846	0.0203480740676766	0.0105691701575565	0.073787259312023
THCA	L3MBTL	cg12699433	-0.0147553335958768	511	-0.332277010741674	0.739817426737225	0.00021771986952561	0.853464178773569
THCA	L3MBTL	cg14306330	-0.0125398208057654	511	-0.282377090157074	0.777769616615089	0.000157247105840706	0.877099175967677
THCA	L3MBTL	cg15123011	-0.0454016711445679	511	-1.02334928025426	0.306630756065316	0.00206131174271949	0.505082430705199
THCA	L3MBTL	cg15302378	-0.10340969679366	511	-2.34099144987086	0.0196191783384516	0.0106935653909566	0.0717561973651399

THCA	L3MBTL1	cg15330298	-0.0762770841265319	511	-1.72252350467298	0.085584551030947	0.00581819356284603	0.213082140526835
THCA	L3MBTL1	cg15388309	-0.142591124713468	511	-3.24382236497558	0.00125713286875604	0.0203322288470518	0.00812270717541589
THCA	L3MBTL1	cg16862791	-0.162024566310979	511	-3.69710299191677	0.000241853282918779	0.0262519600882608	0.00203578600858943
THCA	L3MBTL1	cg17091610	-0.181459433170355	511	-4.15483726848188	3.82037348568207e-05	0.0329275258865064	0.000420549221657211
THCA	L3MBTL1	cg17774347	0.00269246419183063	511	0.0606255218601556	0.951681337346353	7.24936342429019e-06	0.974415272082052
THCA	L3MBTL1	cg18911945	-0.0816626576015028	511	-1.84493236001472	0.0656304139567119	0.00666878964654028	0.175796316611522
THCA	L3MBTL1	cg20091959	-0.157444858557509	510	-3.58636444174987	0.000367863980369326	0.0247888834861941	0.0028982793689337
THCA	L3MBTL1	cg20252111	-0.136179548113222	511	-3.09514246335211	0.002075900321641	0.0185448693243212	0.012260293776324
THCA	L3MBTL1	cg20529070	-0.0939987294166717	511	-2.12595051197186	0.0339899958070212	0.00883576113194865	0.108373139404706
THCA	L3MBTL1	cg22330467	-0.0340907394122861	511	-0.768056044349858	0.442811463279638	0.0011621785136764	0.635128558012072
THCA	L3MBTL1	cg22457903	-0.199606955343666	511	-4.5867863287014	5.67868603501296e-06	0.0398429366215684	7.96408331364338e-05
THCA	L3MBTL1	cg22601123	-0.0138025647924178	511	-0.310817273871176	0.756067279319508	0.000190510794848893	0.863934106834239
THCA	L3MBTL1	cg23626798	-0.130172060053453	511	-2.95619308971729	0.00325970666273798	0.0169447652185598	0.0176064444991348
THCA	L3MBTL1	cg24343973	-0.016804672507483	511	-0.378438544368944	0.705263246950743	0.000282397018083756	0.83180838146858
THCA	L3MBTL1	cg02358112	-0.198567328489134	511	-4.56191336565613	6.36481159239676e-06	0.0394289839433115	8.79787052272411e-05
THCA	L3MBTL1	cg06235991	0.0478707544529819	511	1.07912670331207	0.281044358069865	0.00229160913189769	0.478234786910641
THCA	L3MBTL1	cg08053598	-0.0940886049264258	511	-2.12800135520534	0.0338187157671028	0.00885266557700103	0.10794736477868
THCA	L3MBTL1	cg09993119	0.0166945977354439	511	0.375958984705206	0.707104647687223	0.00027870959354829	0.833070814650389
THCA	L3MBTL1	cg12821546	0.0955887838033002	511	2.16224129380832	0.0310665994557478	0.00913721558899407	0.101290655409071
THCA	L3MBTL1	cg13843727	-0.0664895577703601	511	-1.50044309812088	0.134122123616474	0.00442086129249805	0.292356089680853
THCA	L3MBTL1	cg14679202	-0.0819197901864044	511	-1.85078071545184	0.0647825542320802	0.00671085202418451	0.174136830929493
THCA	L3MBTL1	cg15283028	-0.0609239668655778	511	-1.3743572707113	0.169937985083886	0.00371172973863803	0.343612715382227
THCA	L3MBTL1	cg19467356	-0.018855825218145	511	-0.424645711288647	0.671275108413009	0.000355542144657233	0.809606533045047
THCA	L3MBTL1	cg24240981	-0.0496199496188048	511	-1.11865354872597	0.263817700016282	0.00246213940017273	0.459270798108323
THCA	L3MBTL1	cg26947834	0.0551158301812796	511	1.24291370565287	0.214474129775076	0.00303775473657165	0.401248647726799
THCA	L3MBTL1	cg27177954	-0.272331208992928	511	-6.37286075312841	4.17260530852768e-10	0.0741642873915498	1.47547116987092e-08
THCA	L3MBTL1	cg03454037	0.0217587676664448	511	0.490050803941762	0.624309935527276	0.000473443970362323	0.777416684102018
THCA	L3MBTL1	cg07826275	-0.0148550290115827	511	-0.334522556846011	0.738123612579123	0.000220671886934965	0.852508882905462
THCA	L3MBTL1	cg08106148	-0.110239595574303	511	-2.49744939739906	0.0128249719193174	0.0121527684323859	0.0518154175794017
THCA	L3MBTL1	cg08358392	-0.128854963645452	511	-2.92577433354791	0.00359005304304388	0.0166036016560706	0.0190131790067776
THCA	L3MBTL1	cg09710740	-0.026151770011174	511	-0.589051991994448	0.556088756215324	0.000683915074717338	0.727517425979431
THCA	L3MBTL1	cg10237990	-0.120177044898758	511	-2.72574059103195	0.00663767007306365	0.014442522120598	0.031059904100085
THCA	L3MBTL1	cg16487825	-0.0825549822007818	511	-1.86522944592015	0.0627266642058571	0.00681532508617141	0.170086126811269
THCA	L3MBTL1	cg16800851	-0.18930595507477	511	-4.34103180204885	1.7128245636662e-05	0.0358367446267708	0.000209344028445952
THCA	L3MBTL1	cg18411550	-0.00819921977822951	511	-0.184625254122329	0.853596802358025	6.722720497171e-05	0.921966206568838
THCA	L3MBTL1	cg18798995	-0.0265514179571196	511	-0.598060110607763	0.550066878870248	0.000704977795533655	0.722766859823997
THCA	L3MBTL1	cg22934935	0.0250583982896923	511	0.564408677435389	0.572725637701973	0.000627923324844855	0.740289763119314
THCA	L3MBTL1	cg24516147	0.00632850361634966	511	0.142499620972704	0.886741989371481	4.00499580221507e-05	0.939854473608295
THCA	LBR	cg01017344	-0.0492323864587246	511	-1.10989484450912	0.267570479507331	0.0024238278764212	0.463325866598257
THCA	LBR	cg05530459	0.00658812519173398	511	0.148345797653652	0.882128855030985	4.34033935419599e-05	0.93743559555236
THCA	LBR	cg12994003	-0.0510764739051409	511	-1.15157472096883	0.250038628732322	0.00260880618658254	0.443672849860916
THCA	LBR	cg14607642	-0.461179115704593	510	-11.691519338346	4.05587108401573e-28	0.212686176762071	1.01128985612154e-25
THCA	LBR	cg18107727	-0.0228056470416763	511	-0.513640600861447	0.607727054566665	0.000520097536989518	0.765618169706765
THCA	LBR	cg18289048	0.0315986758206852	510	0.711149757850073	0.47731912284701	0.000998476313620753	0.665005262415564
THCA	LBR	cg18764107	0.0399893722017935	511	0.901147941018272	0.367937530071832	0.00159914988909357	0.566840293793027
THCA	LBR	cg19322477	-0.0139868722352148	511	-0.314968464110702	0.752915184634042	0.000195632594924223	0.861724615989475
THCA	LBR	cg20483690	-0.0474796122784382	510	-1.06923334167821	0.285474335946463	0.00225431358211082	0.482673966096248
THCA	LBR	cg26930584	-0.01367684792584	511	-0.307985748098602	0.758219664103423	0.000187056169186553	0.865198981287301
THCA	MBD1	cg01719254	0.0254497911823277	511	0.573229976074279	0.566743144782258	0.000647691871224085	0.735654011299322
THCA	MBD1	cg03841029	0.0175315226980301	511	0.394812022858356	0.693147657939738	0.000307354288111544	0.823855164434462
THCA	MBD1	cg05549078	0.0910741391562707	510	2.05721163628673	0.0401778156053813	0.00829449882305577	0.122861359559946
THCA	MBD1	cg12090413	0.0583961894914296	511	1.31713488172482	0.188388386895034	0.00341011494711896	0.367960184039577
THCA	MBD1	cg13478031	-0.00699680562017592	511	-0.157548553187433	0.874875270000123	4.89552888865254e-05	0.933800463118468
THCA	MBD1	cg14389183	0.020942233517636	511	0.471652372510984	0.637377842526345	0.000438576718915153	0.786713184531938
THCA	MBD1	cg19328682	0.0879677169567424	511	1.98844778117576	0.0472993844395171	0.00773831922658155	0.138549902593862
THCA	MBD1	cg21282183	0.0658153523228456	511	1.48516204367074	0.138122387160334	0.0043316606013803	0.298458224175073
THCA	MBD2	cg15090185	0.0634277206356625	511	1.43106198820811	0.153028527528274	0.00402307574503564	0.320147943271064

THCA	MBD2	cg16852837	-0.0152405180440954	511	-0.343205431677949	0.731586181347859	0.000232273390252396	0.848308472078929
THCA	MBD2	cg17987217	0.00566940563419572	511	0.127658133513453	0.898470140234372	3.21421602450502e-05	0.946350917834124
THCA	MBD2	cg22224310	-0.0965709836618766	511	-2.18466696830243	0.0293704743009259	0.00932595488542244	0.0971696299126575
THCA	MBD2	cg22836370	0.010040807729879	511	0.226096856366696	0.821217208119155	0.000100817819868398	0.904039671818834
THCA	MBD2	cg23388714	-0.027633759318025	511	-0.622457684263718	0.53392080433581	0.000763624654046536	0.710889214973985
THCA	MBD2	cg24881765	0.0234932249902996	511	0.529135014446237	0.596943377586758	0.000551931620444837	0.757963638360757
THCA	MBD2	cg25192916	-0.0292700403962558	511	-0.659346065410326	0.509972932210792	0.000856735264798447	0.6923705809495
THCA	MBD3	cg08660999	0.0106239609360672	511	0.239229622676447	0.811024209577817	0.000112868545971082	0.898105612160633
THCA	MBD3	cg09174855	0.0309130546118666	511	0.696391576991002	0.486502768876636	0.000955616945436245	0.672979060457146
THCA	MBD3	cg12286540	-0.0503254210865934	511	-1.13459810071641	0.25707988509206	0.00253264800754294	0.451522194948451
THCA	MBD5	cg03890220	-0.133376908448776	511	-3.03027691897503	0.00256806300212894	0.0177893997073532	0.0145431967087151
THCA	MBD5	cg04152151	-0.0759645024373016	511	-1.71542358892462	0.0868785671026213	0.00577060563054681	0.215386799731064
THCA	MBD5	cg05218490	0.0418475344901586	511	0.943092868384081	0.346082577087209	0.00175121614290501	0.545386748797631
THCA	MBD5	cg06394585	0.0879711063829678	511	1.98852499428317	0.0472908250322063	0.00773891555824344	0.138545697166358
THCA	MBD5	cg06758980	-0.0560798851888736	511	-1.26472204770858	0.206552016144151	0.00314495352279724	0.391151803640773
THCA	MBD5	cg20595490	-0.138140366978449	511	-3.14056944842461	0.00178461473785387	0.0190827609889407	0.0108335793146004
THCA	MBD5	cg21412502	-0.0199640012248321	511	-0.449612245729223	0.653182209042928	0.000398561344905096	0.797452240588285
THCA	MBD5	cg23120335	-0.0286312727561492	511	-0.644945049264946	0.519254517367434	0.000819749779637012	0.699877895153856
THCA	MBD5	cg25686162	-0.0453422951010345	511	-1.02200819098824	0.30726442419786	0.0020559237250293	0.505777538005231
THCA	MBD5	cg26664634	0.0256638199974483	511	0.578053915633566	0.563484369494119	0.000658631656861429	0.733375772931541
THCA	MBTD1	cg01388767	-0.00262806148963769	511	-0.0591753726849182	0.952835741504201	6.90670719331669e-06	0.975058078277081
THCA	MBTD1	cg14577476	-0.00603677242231303	511	-0.135930431992491	0.891930230933757	3.64426212787991e-05	0.942742902749428
THCA	MBTD1	cg17045523	0.0333063516227054	511	0.750364121774588	0.453383514571294	0.00110931305841529	0.64376311951967
THCA	MBTD1	cg18711617	-0.0181217254694076	511	-0.408107756210142	0.683366856603513	0.000328396933988576	0.817622904377326
THCA	MBTD1	cg22141797	0.0772911137270522	511	1.74555949066431	0.0814932970351108	0.00597391626116812	0.205684458520814
THCA	MBTD1	cg25259117	0.0416732279728824	511	0.939157778407172	0.34809694296608	0.00173665792967983	0.547322060373571
THCA	MBTD1	cg25716740	-0.023473939127479	511	-0.52870040175082	0.597244662572956	0.000551025818160589	0.758160154326218
THCA	MBTD1	cg25855326	0.0265778501649546	511	0.598655906207948	0.549669731564763	0.000706382119390776	0.722546207352853
THCA	MBTD1	cg27207041	0.0265238479251992	511	0.597438669203215	0.550481272233386	0.000703514508759094	0.723063183266201
THCA	MBTD1	cg27214721	-0.0310885412054714	511	-0.700348652103158	0.484030845811406	0.000966497394284291	0.670769757122985
THCA	MBTD1	cg27353579	-0.0188440745195068	511	-0.424380983714577	0.671468004059438	0.000355099144496727	0.809713647531211
THCA	MLLT10	cg00879184	0.103034069764271	511	2.3323965856788	0.020070337332347	0.0106160195321887	0.0730354487058005
THCA	MLLT10	cg03524461	-0.00293168737225882	511	-0.0660120929292604	0.947394219055699	8.59479084866183e-06	0.971983246866634
THCA	MLLT10	cg04188362	0.0151681490431559	511	0.341575358244373	0.732812008819986	0.000230072745395391	0.849172958771144
THCA	MLLT10	cg05913198	0.0339998739549036	511	0.766006495329731	0.4440289119861	0.00115599142894933	0.636038743080119
THCA	MLLT10	cg06398735	0.0526167082800169	511	1.18639597442974	0.236021611008599	0.0027685179902244	0.427309576829875
THCA	MLLT10	cg11443787	-0.0876099132979032	511	-1.98029719598046	0.0482102903823541	0.00767549690806612	0.140467091011418
THCA	MLLT10	cg15910013	-0.105754431222757	511	-2.39466524374611	0.0169976245303823	0.0111839997232487	0.0642398563309637
THCA	MLLT10	cg19119538	0.0694030803467193	511	1.56650290768602	0.11785483106687	0.00481678756161317	0.267471810724549
THCA	MLLT10	cg20569108	0.0460336995593488	511	1.03762518406421	0.299939200796161	0.00211910149512039	0.498218659782734
THCA	MLLT10	cg23344688	0.120925398670526	511	2.74025869953679	0.00635601594257991	0.0146229520436257	0.0300127407731145
THCA	MLLT10	cg26877631	0.00729102941826901	511	0.164173997824773	0.869659598269152	5.31591099780642e-05	0.930851661911811
THCA	MLLT10	cg27470303	0.067414039139656	511	1.52140008641833	0.128782874857221	0.00454465267312307	0.284237948382633
THCA	MLLT10	cg27572529	0.066103567454531	511	1.49169426875175	0.136401243108263	0.00436968163021573	0.295865731023924
THCA	MLLT6	cg05652455	-0.00640401343752898	511	-0.144199953350446	0.88539987730311	4.10113881080517e-05	0.93924779849617
THCA	MORF4L	cg03589001	-0.260697325554359	511	-6.08028590673616	2.36251378581464e-09	0.0679630955511956	7.29743293540504e-08
THCA	MORF4L	cg07757959	0.199225095898929	511	4.57764851253158	5.92206761456919e-06	0.0396906388359373	8.25925650784861e-05
THCA	MORF4L	cg08692282	0.161389514758264	511	3.68222397192679	0.000256025158284074	0.026046575473908	0.00213497922216221
THCA	MORF4L	cg13747872	0.0638377962745962	511	1.44035188918843	0.150385088375464	0.00407526423319684	0.316173654534373
THCA	MORF4L	cg15822222	-0.197627235028935	511	-4.53943553377783	7.05273762271322e-06	0.039056524025182	9.60540389743263e-05
THCA	MORF4L	cg20775702	-0.066093895894968	511	-1.49147506251686	0.136458730202387	0.00436840307457486	0.295948437618191
THCA	MORF4L	cg20905746	0.18747858842981	511	4.29759369346206	2.07081588547892e-05	0.0351482211196341	0.000247043476452917
THCA	MORF4L	cg23623458	-0.127041719805168	509	-2.8782287880395	0.00416861960617002	0.0161395985710549	0.0214579232212262
THCA	MORF4L	cg24795825	-0.157300669944862	511	-3.58653542953331	0.000367562889539556	0.0247435007651024	0.00289708079319557
THCA	MPHOSF	cg00331616	-0.0371814445143556	511	-0.837781262718798	0.402548323923979	0.0013824598161741	0.599094052482056
THCA	MPHOSF	cg03134886	0.0546843964267997	511	1.23315517264975	0.218089310766649	0.00299038321256338	0.405672608717437
THCA	MPHOSF	cg03428000	0.08278610719801	511	1.87048741964082	0.0619920704196702	0.0068535395450004	0.168628662758412

THCA	MPHOSF	cg04203901	0.106064530517426	511	2.40176679387923	0.0166749570025779	0.0112496846338821	0.0632847890066616
THCA	MPHOSF	cg06019692	0.0379097116241414	511	0.854214142246462	0.393389777094871	0.00143714623542556	0.590183289993413
THCA	MPHOSF	cg09559995	0.045149700633502	511	1.01765825578431	0.309325760886385	0.00203849546729485	0.507947632064978
THCA	MPHOSF	cg11051893	0.0853507167146201	511	1.92885154898079	0.0543071685390128	0.00728474484369933	0.153270454484322
THCA	MPHOSF	cg19693579	0.0640877261248612	511	1.44601418794551	0.148791096172176	0.00410723663985521	0.314019004791466
THCA	MPHOSF	cg20759595	-0.00968175384146055	510	-0.21779587520467	0.827675958549948	9.37363574466361e-05	0.907392736276725
THCA	MPHOSF	cg20952532	0.0687610056301234	511	1.55194141462924	0.121300214609135	0.00472807589526586	0.272705513837039
THCA	MPHOSF	cg21958444	0.00633305286264319	511	0.142602060965458	0.886661121829342	4.0107558561033e-05	0.939854473608295
THCA	MPHOSF	cg22656705	-0.0125715621491494	511	-0.283091968249095	0.777221886610242	0.000158044174869926	0.876811964485008
THCA	MSH6	cg00620552	-0.0159080860023577	511	-0.358242304251067	0.720311099020624	0.000253067200258408	0.841392237679401
THCA	MSH6	cg02905881	0.0011169967867163	511	0.0251510531145502	0.979944374512349	1.24768182153453e-06	0.989664496271231
THCA	MSH6	cg05039065	0.0317594951885676	511	0.71547870115218	0.474642656226029	0.00100866553463265	0.66254599412262
THCA	MSH6	cg07652213	0.0640981977897657	511	1.44625143525175	0.148724592240939	0.00410857895989593	0.313918418430998
THCA	MSH6	cg09898070	0.0161323004652399	511	0.363292809390027	0.716537586433862	0.000260251118300779	0.838886422451178
THCA	MSH6	cg11869233	-0.0544889969192062	511	-1.22873568982744	0.219740941469908	0.00296905078526126	0.407799012397958
THCA	MSH6	cg16595246	-0.101342977625371	511	-2.2937145020298	0.0222150682463661	0.0102703991139764	0.0787729166852548
THCA	MSH6	cg18222961	-0.107199197563398	510	-2.42536231765251	0.0156419635435228	0.0114916679582365	0.0603024422351578
THCA	MSH6	cg19076255	0.0302906094485658	511	0.682356479287288	0.495325195816754	0.000917521020765542	0.680159297896487
THCA	MSH6	cg19736286	0.188238562116131	511	4.31565328706185	1.9140633013793e-05	0.0354337562675487	0.000230606536266844
THCA	MSH6	cg21405109	-0.0215854382595648	511	-0.486145253302259	0.627074234563438	0.000465931144857483	0.779511561074896
THCA	MTA1	cg01318265	-0.0158359999766789	511	-0.356618554134817	0.721525751037556	0.000250778895261376	0.842216701320644
THCA	MTA1	cg01655777	0.00550774559613914	511	0.124017918772065	0.901350238991791	3.033526155179e-05	0.947956498370603
THCA	MTA1	cg05922925	0.106000664390032	511	2.40030414478023	0.0167409696511383	0.0112361408511283	0.063482670876951
THCA	MTA1	cg13052453	-0.105725453949888	511	-2.39400167450982	0.0170280535026546	0.0111778716129099	0.0643236085357636
THCA	MTA1	cg13981078	-0.010449841738962	511	-0.235308386791826	0.814064398267413	0.000109199192369352	0.899960576373333
THCA	MTA1	cg16531924	-0.0525557262301447	511	-1.18501714694271	0.236565825031316	0.00276210435957791	0.427929172840979
THCA	MTA1	cg20222911	0.0195096719395214	511	0.439376286760415	0.660576112583167	0.000380627299187748	0.802525584771963
THCA	MTA1	cg21517792	-0.0965594017837379	511	-2.18440249243034	0.0293900022167151	0.00932371807283332	0.0972176984627578
THCA	MTA1	cg23123838	0.00447237426863649	511	0.100703940180416	0.919825293307879	2.00021315987618e-05	0.957776754988605
THCA	MTA1	cg23883989	-0.0102896570947647	511	-0.231700981679825	0.81686375380133	0.000105877043127842	0.901479584395686
THCA	MTA1	cg23966123	-0.0124946649269717	511	-0.281360091556773	0.77854901813672	0.000156116651637296	0.877545601392797
THCA	MTA2	cg00501779	-0.0190122031691428	511	-0.428168714840427	0.668710118626577	0.000361463869344763	0.807875513526542
THCA	MTA2	cg07654871	0.0142033022205846	511	0.319843197275067	0.749218958057845	0.000201733793969264	0.859515778460278
THCA	MTA2	cg09086761	-0.0372262190594821	511	-0.838791532734796	0.40198159724054	0.00138579138546455	0.59851511820058
THCA	MTA2	cg13708959	-0.0450322977373007	511	-1.01500665188189	0.31058678250077	0.0020279078395009	0.509387729173042
THCA	MTA2	cg19570317	-0.0571832898502109	511	-1.28968704259653	0.197747329816235	0.00326992863809323	0.380142333074307
THCA	MTA2	cg21002970	-0.0661422467984205	511	-1.49257094165237	0.136171522005253	0.00437479681154317	0.295490303566991
THCA	MTF2	cg05396182	0.00739001019244425	510	0.166238708044942	0.868035501986352	5.46122506444298e-05	0.929944967865128
THCA	MTF2	cg05962718	-0.0206328969730301	511	-0.464682858334908	0.642358075174708	0.000425716437499674	0.78997997713722
THCA	MTF2	cg09936581	-0.0731406328582656	511	-1.65130559435008	0.0992954056801283	0.00534955217490761	0.237037768180922
THCA	MTF2	cg11404133	-0.129749719662663	511	-2.94643727987549	0.00336249823846846	0.0168349897525396	0.0180451288606109
THCA	MTF2	cg14474880	0.00533734076611078	511	0.12018080181461	0.90438753460435	2.8487206453588e-05	0.949357680480391
THCA	MTF2	cg15463775	0.028399539512743	510	0.63908962002478	0.52305382322536	0.000806533844535854	0.702578999627156
THCA	MTF2	cg16813892	-0.090249418047813	511	-2.04044215333977	0.0418238547923125	0.00814495745796892	0.126486507795443
THCA	MTF2	cg19708337	-0.0371681785520992	510	-0.836655610547906	0.403181120201779	0.00138147349688073	0.599668707268606
THCA	MTF2	cg22801127	-0.0567571136692553	511	-1.28004407020486	0.20111500710053	0.00322136995206476	0.384326337323028
THCA	MTF2	cg23992808	-0.0381547517604896	511	-0.85974362068399	0.390336717409717	0.00145578508190459	0.587733801613663
THCA	MTF2	cg26054395	-0.0391288393767361	511	-0.881726040916487	0.378342792759359	0.00153106607097041	0.576932711696754
THCA	NAP1L2	cg02379437	0.00165999371379755	511	0.0373775663815063	0.970198671837504	2.75557912984737e-06	0.984293629067902
THCA	NAP1L2	cg04297329	0.0162724834754277	511	0.366450505990178	0.714181811276475	0.000264793718458066	0.837363373420378
THCA	NAP1L2	cg07693661	-0.0648102513046495	509	-1.45949769667296	0.145049921765041	0.00420036867417182	0.308728142648141
THCA	NAP1L2	cg20001978	-0.0361836083543094	511	-0.815267895899826	0.415301793408099	0.00130925351353805	0.610949725703928
THCA	NAP1L2	cg23483095	0.00526524428532898	511	0.118557361396113	0.905673004866665	2.77227973841895e-05	0.949988886140326
THCA	NCOA1	cg11380327	-0.315436904760582	511	-7.48470572549261	3.19500147610949e-13	0.0995004408849363	1.95095718078856e-11
THCA	NCOA1	cg13911252	0.0213975803608045	511	0.481912388448883	0.630076142679744	0.000457856445297086	0.781741086787378
THCA	NCOA1	cg15477048	-0.012801410277781	511	-0.288268630263415	0.773258926845563	0.000163876105100078	0.874232343362702
THCA	NCOA1	cg23006163	-0.184075491054694	511	-4.21682193261845	2.93463888477598e-05	0.0338837864070269	0.000334354565615499

THCA	NCOA3	cg04175879	0.00171924251745789	511	0.0387116572919065	0.969135517320553	2.95579483383494e-06	0.983788602069516
THCA	NCOA3	cg09568061	0.0753084977148904	511	1.70052488496225	0.0896454765636139	0.00567136982807366	0.220246342969612
THCA	NCOA3	cg12128876	0.0462053327068748	511	1.04150215233596	0.298138937013297	0.002134932770553	0.496338900169325
THCA	NCOA3	cg14341558	0.0783097480010794	511	1.76870556913223	0.0775442437823945	0.00613241663199255	0.198523031570293
THCA	NCOA3	cg14774045	0.133877715221223	511	3.04186233430768	0.00247297622769015	0.017923242632855	0.0141094765424956
THCA	NCOA3	cg18295930	-0.0658937316212071	511	-1.48693842696931	0.137652683294835	0.00434198386696767	0.297749797305542
THCA	NCOA3	cg21735648	0.185629333260656	511	4.25368235402217	2.50470878231237e-05	0.0344582493667958	0.000291257571018249
THCA	NCOA3	cg22511723	0.0329526998492362	511	0.742387936757313	0.458196125996256	0.00108588042735385	0.648230469509683
THCA	NCOA3	cg22876277	-0.124024693886024	511	-2.81435116016598	0.00507756643216748	0.015382124693522	0.0250939713502342
THCA	NCOA3	cg24856420	0.113613969448455	511	2.57487960069406	0.0103099419152617	0.0129081340538344	0.0436324459447216
THCA	NCOA3	cg25373408	0.0111249461710579	511	0.250512138722013	0.802292801917683	0.000123764427308936	0.892119412706854
THCA	NCOR1	cg00253204	0.0990382564022404	511	2.24102852898944	0.0254562919730672	0.00980857623119592	0.0873785200208608
THCA	NCOR1	cg08125503	-0.0164422698710632	511	-0.370275063498615	0.711332185989781	0.000270348238512872	0.835646764589727
THCA	NCOR1	cg08206308	-0.00420912390908643	511	-0.0947762536226641	0.924529994067529	1.7716724082043e-05	0.960175237744498
THCA	NCOR1	cg21211144	0.171706451438365	511	3.92454255574558	9.88888924571323e-05	0.0294831054655557	0.000954911398937764
THCA	NCOR1	cg22291359	-0.0372029961742749	511	-0.83826754275791	0.402275477624256	0.00138406292434311	0.598825459362828
THCA	NCOR1	cg22625220	-0.0439228494042499	511	-0.9899512644177	0.322670149334897	0.00192921669978842	0.522092728790471
THCA	NCOR2	cg08976554	-0.124659089393391	511	-2.82897342527927	0.00485475390172117	0.0155398885683895	0.0242034558466096
THCA	NCOR2	cg10641483	-0.102388523658222	511	-2.31762795487564	0.0208667991542471	0.0104834097769103	0.0752321392566165
THCA	NCOR2	cg13416396	-0.130869238879569	511	-2.9723010867207	0.00309625238481876	0.0171267576849176	0.0168830068006302
THCA	NCOR2	cg13419087	-0.120792765200718	511	-2.73991201575322	0.00636219259092489	0.0145908921248358	0.0300359839433578
THCA	NCOR2	cg13857025	-0.0338597109659639	511	-0.762845035101418	0.445910598241492	0.00114648002669862	0.637820969709649
THCA	NCOR2	cg16181859	-0.0798849194701865	511	-1.80450865264962	0.071744878053746	0.00638160035875819	0.187683134148669
THCA	NCOR2	cg19895345	0.0167943686220084	511	0.378206437025471	0.705435544085719	0.0002820508174119	0.831973753321676
THCA	NCOR2	cg23611643	-0.118190368860262	511	-2.68003690910848	0.00760090435257154	0.0139689632913248	0.0345569956872158
THCA	NCOR2	cg24626542	-0.111164461686994	511	-2.51866305704109	0.0120867633655863	0.0123575375421592	0.0494336611777729
THCA	NCOR2	cg25113767	-0.0344363774354442	511	-0.775852383712854	0.438197903165696	0.00118586409087637	0.630942043696388
THCA	NCOR2	cg25449924	-0.0842841971779093	511	-1.9045755969641	0.05740092095621	0.0071038258939247	0.159392171165484
THCA	ORC1	cg00298020	-0.00743200913615785	511	-0.167348648334858	0.867162454565734	5.52347597999338e-05	0.929393621140549
THCA	ORC1	cg02275620	-0.0130123423311624	511	-0.293019302778306	0.769627287563961	0.000169321052943362	0.872274130608936
THCA	ORC1	cg04407474	0.0286098455527727	511	0.644461986781523	0.519567364803515	0.000818523262553506	0.700106067197696
THCA	ORC1	cg07142859	-0.0255758636051066	511	-0.576071479891203	0.564822491823482	0.000654124799147019	0.734423121377859
THCA	ORC1	cg08613513	0.0411147094690156	511	0.926549414360213	0.35460136802854	0.00169041933472156	0.553553358873608
THCA	ORC1	cg10586599	-0.0299958807426677	511	-0.675711117947937	0.499532156404527	0.000899752861528345	0.683660050232816
THCA	ORC1	cg13460942	-0.0256562644765318	511	-0.577883622370614	0.563599255375568	0.00065824390688975	0.73346942687954
THCA	ORC1	cg16136434	0.0210909779343494	511	0.475004049349641	0.634988639125736	0.000444829350227214	0.78495981618197
THCA	ORC1	cg16965475	-0.0297215726825884	511	-0.669526347283821	0.503464562684561	0.000883371882726383	0.686854816293123
THCA	ORC1	cg17146111	0.0204391146680347	511	0.460316766281558	0.64548622549507	0.000417757408413072	0.792214020177017
THCA	ORC1	cg19776520	-0.0292256218875931	511	-0.658344624202794	0.510615541780747	0.000854136974716563	0.692852047582326
THCA	ORC1	cg21197365	-0.0331722862608041	511	-0.747340407777477	0.455204565237655	0.00110040057576873	0.645523008125881
THCA	ORC1	cg23606758	0.0297480095960374	511	0.670122408632309	0.503084861830288	0.000884944074925935	0.686565569806074
THCA	ORC1	cg25605769	-0.0305712909102694	511	-0.68868527760219	0.491336352856165	0.00093460382792032	0.676980929032296
THCA	PADI1	cg14524955	0.0250271409816472	511	0.563704204640939	0.57320469568535	0.000626357785715244	0.74064288365383
THCA	PADI1	cg21010178	0.0130462702563162	511	0.293783440925632	0.769043614674415	0.00017020516760084	0.871998993717755
THCA	PADI1	cg22193702	-0.165592232059324	511	-3.78078036049044	0.000174951019907017	0.0274207873183889	0.00155257157878367
THCA	PADI2	cg00569276	-0.177367547629664	511	-4.05806679719417	5.72903225976304e-05	0.031459246952161	0.000597191927664486
THCA	PADI2	cg01603374	0.00716248747045539	511	0.161279435665764	0.871937565112171	5.13012267644305e-05	0.932097219302987
THCA	PADI2	cg07014827	-0.0194195862480273	511	-0.436915183235488	0.662359249910956	0.000377120330044572	0.803636661897953
THCA	PADI2	cg09313801	-0.035971793242092	511	-0.810489200009857	0.418039337033686	0.00129396990905182	0.613440830444761
THCA	PADI2	cg10233913	-0.0494918582753937	511	-1.11575870228516	0.265053984458752	0.00244944403555166	0.46070133536618
THCA	PADI2	cg15185794	-0.0874738176949397	511	-1.97719721037381	0.0485606021315746	0.00765166878212754	0.141178321866084
THCA	PADI2	cg17183414	-0.0765049643466645	511	-1.72769985062869	0.0846510042334007	0.00585300956968441	0.211407390797213
THCA	PADI2	cg18228326	-0.0657076292297026	511	-1.48272065956721	0.13876994785435	0.00431749253898807	0.299400097716983
THCA	PADI2	cg18879300	-0.107745839236449	511	-2.44028265608704	0.0150172010783519	0.0116091658727668	0.0584286971703365
THCA	PADI2	cg19282714	-0.0565574053427301	511	-1.27552556616211	0.20270739407805	0.00319874009910187	0.386458007962452
THCA	PADI3	cg01459162	-0.00297197181744259	511	-0.0669191759605149	0.946672427552568	8.83261648367301e-06	0.971538178296173
THCA	PADI3	cg12858514	0.00994363109710325	511	0.223908435371172	0.822918748389341	9.88757993952787e-05	0.904671034879323

THCA	PADI3	cg14664242	0.0392895122648396	511	0.885352216689769	0.376386396304069	0.00154366577400898	0.57489600475298
THCA	PADI3	cg17589397	0.0380570072225431	511	0.85753793767958	0.391552833111583	0.0014483357987367	0.588607943943622
THCA	PADI3	cg18768338	0.00922233421730265	511	0.207664999866033	0.835573934586269	8.50514484156313e-05	0.911900341537848
THCA	PADI3	cg21966975	0.00909660318225329	511	0.204833600523538	0.837784339777261	8.27481894553807e-05	0.913167557706555
THCA	PADI4	cg16091981	-0.157999143544216	511	-3.60286779921752	0.000345756892515011	0.0249637293607058	0.0027522574129042
THCA	PADI4	cg18333690	-0.231489085744212	511	-5.35789497002152	1.27990592668074e-07	0.0535871968186912	2.71823646355997e-06
THCA	PADI4	cg19159961	-0.0340408177285611	511	-0.766930015217514	0.443480096606787	0.00115877727162912	0.635656098259503
THCA	PADI4	cg21295838	-0.144817332813119	511	-3.29554298858048	0.00105108643578251	0.0209720598831056	0.00699710920633791
THCA	PADI4	cg23228178	0.0484454323441838	511	1.09211167678877	0.275302699946683	0.00234695991501489	0.471784948497048
THCA	PADI4	cg26918754	-0.117220975748837	511	-2.65774780816061	0.00811479478172539	0.0137407571555094	0.0363160757780328
THCA	PADI6	cg12643633	0.0317165349558061	511	0.714509916757507	0.475240765853868	0.00100593858960287	0.663035870495621
THCA	PADI6	cg16017904	-0.0624358043494666	511	-1.40859400182941	0.159568200246042	0.00389822966476487	0.329207097648195
THCA	PARP1	cg00653565	0.0159811168709608	511	0.35988734281454	0.719081243660032	0.000255396096443309	0.840622806192427
THCA	PARP1	cg02088626	0.00100121858028026	511	0.0225441101564026	0.982022795796731	1.00243864549842e-06	0.990643844758107
THCA	PARP1	cg03149313	0.0725676534036698	511	1.63830060709787	0.101979402745989	0.00526606432051515	0.241621053091962
THCA	PARP1	cg04960271	0.0182187082748479	511	0.410292567022842	0.681764667384242	0.000331921331204012	0.816509645521426
THCA	PARP1	cg07113065	-0.0388996348207659	511	-0.875688436332847	0.381614927201401	0.00151318158918895	0.58004633842062
THCA	PARP1	cg17661881	-0.0220226162893708	511	-0.495996066823317	0.620112127054451	0.000484995628228858	0.774719407924874
THCA	PARP1	cg25722198	-0.00777939776026334	511	-0.175171358930347	0.861014922597843	6.05190295123903e-05	0.926186323127441
THCA	PARP1	cg26464410	-0.03544719385171	511	-0.798654343302988	0.424864820927249	0.0012565035519607	0.619774116882267
THCA	PARP2	cg01813761	-0.023990909057598	511	-0.540350679802731	0.589192494913388	0.00057556371740994	0.752489508623787
THCA	PARP2	cg10910545	0.00177169259267798	511	0.0398926632263346	0.968194404071586	3.13889464295003e-06	0.983323523863161
THCA	PARP2	cg15078479	-0.00910704305720388	511	-0.205068700857535	0.837600753472131	8.29382332457653e-05	0.913061321584767
THCA	PARP2	cg15365367	0.0791734545701941	511	1.78657112693341	0.0746054039072032	0.00626843590857859	0.193114154240932
THCA	PARP2	cg18899035	0.046842915866241	509	1.05382042297064	0.292469078139002	0.00219425876685173	0.49017960705773
THCA	PARP2	cg19540080	0.0600591012142479	511	1.35477600256536	0.176092304849925	0.00360709563866327	0.351922230989444
THCA	PARP2	cg24595957	-0.138612040392378	511	-3.1515024686253	0.00172037974187757	0.0192132977417381	0.0105175026828781
THCA	PARP2	cg26206608	0.0258102614398597	511	0.58135456684457	0.561259872349569	0.000666169595593908	0.731772177410669
THCA	PARP2	cg26430074	0.00857549710259388	511	0.19309865715023	0.846959033467638	7.3539150556596e-05	0.918240276629941
THCA	PAXIP1	cg02824291	0.0637095401867171	511	1.43744628242418	0.151208098481321	0.00405890551080292	0.317449273060474
THCA	PAXIP1	cg12220104	0.0717473691240037	511	1.61968534596869	0.10592169388072	0.00514768497621605	0.248157574273656
THCA	PAXIP1	cg22583711	0.0760211811473433	511	1.71671093958657	0.0866427685405208	0.00577921998303719	0.215021773561785
THCA	PAXIP1	cg24448952	0.0610969300191062	511	1.37827366984246	0.168726718063901	0.00373283485775956	0.341936757367418
THCA	PAXIP1	cg24452135	0.0902366039365375	511	2.0401500615144	0.0418530437209918	0.00814264468999954	0.1265268597999
THCA	PCGF1	cg03203239	-0.0634197232256195	511	-1.43088082120633	0.153080428727598	0.00402206129401418	0.32021033987734
THCA	PCGF1	cg08092637	-0.0372658215380704	511	-0.839685107093232	0.401480733102008	0.00138874145490731	0.598044827057518
THCA	PCGF1	cg27306986	-0.120792104290149	511	-2.73989680251151	0.00636248270306956	0.0145907324588423	0.0300359839433578
THCA	PCGF2	cg09395368	-0.00836989613838034	511	-0.188468711473361	0.850584653712291	7.00551613672741e-05	0.920336901595231
THCA	PCGF2	cg17902383	-0.019782394288521	511	-0.445520640290138	0.656133718806061	0.000391343123786507	0.799574963513874
THCA	PCGF2	cg20228512	-0.00690258164248911	511	-0.155426790154416	0.87654672529405	4.76456333312277e-05	0.934663457129233
THCA	PCGF2	cg25377665	-0.0312017072038401	511	-0.702900484559968	0.48244038660866	0.000973546532434167	0.669442724003961
THCA	PCGF5	cg03905463	-0.0367382391783463	511	-0.827781274965433	0.408183843248075	0.00134969821792538	0.604174971735948
THCA	PCGF5	cg06001881	-0.013525986562852	511	-0.304587911147444	0.760805012236251	0.000182952312498453	0.86688697164586
THCA	PCGF5	cg07421809	0.0105180833085595	511	0.236845212417021	0.812872538509747	0.000110630076485799	0.899154065333323
THCA	PCGF5	cg07424295	0.0957358351892676	511	2.16559837675815	0.030807446255958	0.00916535013938661	0.100631276202385
THCA	PCGF5	cg08633154	0.0307345931067735	511	0.692367486233189	0.48902355802278	0.000944615213438932	0.675037682503046
THCA	PCGF5	cg11113644	-0.0245305129409043	511	-0.5525114925656	0.580841455207152	0.000601746065143875	0.746527824344453
THCA	PCGF5	cg12783297	0.00784055423196906	511	0.17654852444156	0.859933530168585	6.14742906644479e-05	0.925514326383168
THCA	PCGF5	cg15550435	0.0319794098224627	511	0.720437997867424	0.471587380814027	0.001022286265259302	0.65974910897992
THCA	PCGF5	cg17001035	0.0922091023686445	511	2.08512438024062	0.0375576633395153	0.00850251855963116	0.116926559221797
THCA	PCGF5	cg20515900	-0.00569912590695063	511	-0.1283273672401	0.897940794487838	3.24800361032758e-05	0.946011680655327
THCA	PCGF5	cg22968329	0.0309573088489617	511	0.69738946672974	0.485878758108535	0.000958354971170004	0.672440054268488
THCA	PCGF5	cg23395902	0.0418765046829953	511	0.943746898840006	0.345748503226571	0.00175364164446493	0.544995421960323
THCA	PCGF5	cg25390656	0.0369080578469525	511	0.830792278891658	0.406482816724118	0.00136220473403399	0.602758649007587
THCA	PCGF6	cg01917164	-0.0300823134673674	511	-0.677659931432684	0.498296457796629	0.000904945583548952	0.68260533972831
THCA	PCGF6	cg06691148	-0.0638385373857704	511	-1.44036867906848	0.150380342633626	0.0040753588555544	0.316172221692395
THCA	PCGF6	cg11612727	0.0162303150846335	511	0.365500638374114	0.714890166612603	0.000263423127746482	0.837841624521711

THCA	PCGF6	cg11814370	-0.0938929251936825	511	-2.12353626324436	0.0341925790032544	0.00881588140142646	0.108853046696811
THCA	PCGF6	cg14409890	0.00548429297145051	511	0.123489820056494	0.901768174138602	3.00774693967015e-05	0.948110452198022
THCA	PCGF6	cg16113748	-0.0837848502781839	511	-1.89321181156051	0.0588988745034001	0.0070199011361377	0.162423929213666
THCA	PCGF6	cg16382383	-0.0641578529583408	511	-1.44760299911694	0.148346163036211	0.00411623009622407	0.313360524797409
THCA	PCGF6	cg24418712	-0.107586332584881	511	-2.43662773173616	0.0151680058145583	0.0115748189590646	0.0588959243492762
THCA	PCGF6	cg25481680	-0.0887217824822727	511	-2.00562755382169	0.0454268566818824	0.00787155468683171	0.134523672961947
THCA	PCGF6	cg26155979	-0.0647648716739859	511	-1.46135667025251	0.144537062599945	0.00419448860294786	0.307913759005087
THCA	PCGF6	cg27217148	0.0121773138987098	511	0.274212774684672	0.784032798981761	0.000148286973787711	0.880858606601159
THCA	PHC1	cg02770112	0.0707545249620624	511	1.59715848300806	0.110853430406116	0.00500620280260711	0.256330641292792
THCA	PHC1	cg08021945	-0.180816797102349	511	-4.13962471591607	4.07381122327642e-05	0.0326947141143521	0.00044517217348443
THCA	PHC1	cg08867249	-0.0597200681863506	511	-1.34577169696228	0.178978830416807	0.00356648654418236	0.355735287006772
THCA	PHC1	cg09059548	-0.146397929995493	511	-3.33229536693049	0.00092422498974015	0.0214323539069652	0.00628654007623024
THCA	PHC1	cg09912793	-0.00378092861211539	511	-0.0851344944465734	0.93218807443926	1.42954211699128e-05	0.964018331757955
THCA	PHC1	cg12581035	-0.194582781230073	511	-4.46673107470791	9.80063874808628e-06	0.0378624587512303	0.000128528471134293
THCA	PHC1	cg14199415	-0.100629805262667	511	-2.27740742252401	0.0231774974027577	0.0101263577072022	0.0814340646586926
THCA	PHC2	cg06899053	0.0323232889481264	511	0.72819302907104	0.466831612761767	0.00104479500842407	0.656033427565824
THCA	PHC2	cg13640100	-0.0416554616459176	511	-0.938756696139283	0.348302675282532	0.00173517748493451	0.547523810235396
THCA	PHC2	cg15586632	0.0259830921953504	511	0.585250056341313	0.558639974543525	0.000675121080032077	0.729652594476906
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THCA	PHC2	cg17161743	-0.0114996791274608	511	-0.258951493531611	0.795777766988409	0.000132242620034557	0.888198838972216
THCA	PHC2	cg19746874	0.0404682152644777	511	0.911956114592952	0.362225229050059	0.00163767644669211	0.561143626037404
THCA	PHC2	cg21198021	0.0862244367154292	511	1.94874400104032	0.0518772145752333	0.00743465348689305	0.148210405228321
THCA	PHC2	cg21578869	-0.0328410945971307	511	-0.739870874318008	0.459720797259758	0.00107853749433769	0.649560821352495
THCA	PHC2	cg23886755	-0.0138041688179726	511	-0.31054668864112	0.756273135152684	0.000190555076755087	0.864055107593889
THCA	PHF1	cg01097444	-0.00837331428139207	511	-0.188545684730814	0.850524351324338	7.01123920549645e-05	0.920323500163412
THCA	PHF1	cg02776641	0.0134049607299692	511	0.301862072215995	0.762880990131861	0.000179692972172017	0.868106214396798
THCA	PHF1	cg03560363	-0.0244044695202463	511	-0.549670865183737	0.582787181950065	0.000595578132564631	0.747894193873694
THCA	PHF1	cg03876174	0.0279739309547856	511	0.630126104064047	0.528895967331179	0.000782540813063114	0.707249130468206
THCA	PHF1	cg06618123	-0.0667456774804072	511	-1.506248662651	0.132626120355309	0.00445498546231854	0.290119405194188
THCA	PHF1	cg06919790	-0.0230876548815525	511	-0.519995494294547	0.603293680964868	0.000533039807929673	0.762352481235818
THCA	PHF1	cg07857404	0.0633197345369531	511	1.42861577988733	0.153730457753662	0.00400938878183021	0.321029372949518
THCA	PHF1	cg08665801	0.0418290735387487	511	0.941745975872678	0.346772095095544	0.00174967139311005	0.546066725352471
THCA	PHF1	cg08798692	0.1084070629777895	511	2.45543592777993	0.0144060048561943	0.0117520913034933	0.0566039063479359
THCA	PHF1	cg10033570	-0.0779867285699262	511	-1.76136510903512	0.0787793416110637	0.00608192983303935	0.200692933205328
THCA	PHF1	cg10797813	-0.0329823413202367	511	-0.743056453273586	0.457791661187427	0.00108783483896459	0.647921509505159
THCA	PHF1	cg13303256	-0.108961194440443	511	-2.46813750349149	0.0139107563217152	0.0118725418938881	0.0551060890768669
THCA	PHF1	cg13528777	0.0174379009555818	511	0.392703006802755	0.694703899080633	0.000304080389736682	0.824996465122758
THCA	PHF1	cg13547657	-0.0241809593572675	511	-0.5440963252201	0.586614852082779	0.000584718795437825	0.75070103311281
THCA	PHF1	cg18443095	-0.0577886831473022	511	-1.30338632922729	0.193034463738362	0.00333953189989929	0.373944428456247
THCA	PHF1	cg20135607	0.0287793919733687	511	0.648284325877605	0.517094560633529	0.0008282534023568	0.698092014610661
THCA	PHF1	cg20872639	-0.0144936905510778	511	-0.326383792550761	0.744268681757208	0.000210067065790402	0.856338837629158
THCA	PHF1	cg23345642	0.0121943608082947	511	0.274596699673381	0.783737956191567	0.000148702435522874	0.880650998280686
THCA	PHF1	cg23718418	0.0678374894553846	511	1.53100055621788	0.126392944369144	0.00460192497560942	0.280618266713921
THCA	PHF1	cg24796663	0.0801086857004613	511	1.80959587615156	0.0709505377572011	0.00641740152465529	0.186168582510918
THCA	PHF1	cg26673053	0.0203688900726294	511	0.458734554942848	0.646621382280703	0.00041489168279086	0.7927942105605
THCA	PHF10	cg04353997	-0.191243752409621	511	-4.38281735392403	1.42536194409543e-05	0.0365741728357125	0.00017829973802695
THCA	PHF10	cg05243705	-0.0371454379085226	511	-0.836968831681909	0.403004418081529	0.00137978355741591	0.599520512874028
THCA	PHF10	cg05736120	-0.104932538276686	511	-2.37584657512155	0.0178793924089413	0.0110108375891881	0.0667935772695535
THCA	PHF10	cg07652237	-0.29645714484819	511	-6.98942646554086	8.73305121602486e-12	0.0878868387315404	4.20407788551632e-10
THCA	PHF10	cg11442717	-0.201882106888194	511	-4.64127551377961	4.41502547567074e-06	0.0407563850816162	6.37931819937462e-05
THCA	PHF10	cg15342139	0.0174176420272087	511	0.392246635487696	0.695040825267877	0.000303374253787988	0.825149177667421
THCA	PHF10	cg15360169	0.0399889904949157	511	0.901139325596529	0.367942105791837	0.00159911936080245	0.566840293793027
THCA	PHF10	cg16740543	0.0465348403797237	511	1.04894555898073	0.29470293227551	0.00216549136916637	0.492526422476605
THCA	PHF10	cg27124293	-0.0640103577489218	511	-1.44426133552269	0.149283152506921	0.00409732589914496	0.3147415460492
THCA	PHF11	cg00092518	-0.17056769291956	511	-3.89773235687118	0.000110139390756473	0.0290933378679014	0.00104719918901358
THCA	PHF11	cg01214340	-0.143480057439863	511	-3.2644685167271	0.00117076347070915	0.0205865268829464	0.00765428804440272
THCA	PHF11	cg02289189	-0.0965447441107414	511	-2.18406778108814	0.0294147321182821	0.00932088761540854	0.0972664146225297

THCA	PHF11	cg05080330	-0.144379986714846	511	-3.28537828990949	0.0010889237492046	0.020845580563779	0.00720542200125979
THCA	PHF11	cg09997676	-0.201403605797216	511	-4.62980908994256	4.65615193103771e-06	0.0405634124281203	6.68439297924112e-05
THCA	PHF11	cg16956501	-0.11897403959727	511	-2.69806140243405	0.00720694350245643	0.0141548220980927	0.0331651560384558
THCA	PHF11	cg21320768	-0.198911548685674	511	-4.57014701741581	6.12932019317107e-06	0.0395658042005334	8.51168038392628e-05
THCA	PHF11	cg23137039	0.0070325812947281	511	0.158354161365865	0.874240784518269	4.94571996669595e-05	0.933402076735167
THCA	PHF11	cg24481868	-0.114824603130379	511	-2.60268130889789	0.00952056500954892	0.013184689484049	0.0409874285751438
THCA	PHF11	cg24984523	-0.114782774397014	511	-2.60172053387415	0.00954691605311649	0.0131750852982758	0.0410781408980168
THCA	PHF11	cg25162948	-0.136854965936836	511	-3.11078589319948	0.00197098541037765	0.0187292817015726	0.0117521912328442
THCA	PHF12	cg01406758	0.0777351372204419	511	1.75564820425665	0.0797523417115172	0.00604275155868093	0.202620955947282
THCA	PHF12	cg02058367	-0.0262946506797409	511	-0.592272508852735	0.553932157677319	0.000691408654369601	0.725782299901461
THCA	PHF12	cg06895197	0.00540252845910124	511	0.121648674458471	0.903225462005343	2.91873137513988e-05	0.948758505509675
THCA	PHF12	cg08657247	-0.0197709959705714	511	-0.445263837589232	0.656319145628727	0.00039089228166835	0.799713851919225
THCA	PHF12	cg08806622	0.056550654455202	511	1.27537282653171	0.202761382268696	0.00319797651931166	0.38655146233914
THCA	PHF12	cg13564075	0.0129179678873006	511	0.290893769548249	0.771251524778859	0.00016687389433733	0.873234553925471
THCA	PHF14	cg06715026	0.0789856412774659	511	1.78406673264062	0.0750107668849341	0.00623873152801253	0.193886021830965
THCA	PHF14	cg07287563	-0.0112461055585047	511	-0.253240755594734	0.800184825062513	0.00012647489023303	0.890909304059132
THCA	PHF14	cg07574654	0.0557396958610569	511	1.25702606283798	0.209322972072968	0.00310691369468313	0.394745666899499
THCA	PHF14	cg11931558	0.0134198446035113	511	0.302197297796258	0.762625592311587	0.000180092229182391	0.867990179793534
THCA	PHF14	cg13029706	-0.016274334985489	511	-0.366492212379812	0.714150714762222	0.000264853979219913	0.837345239585104
THCA	PHF14	cg16800461	0.0082592409824237	511	0.185976868495618	0.852537284804976	6.82150616057472e-05	0.921424400985277
THCA	PHF14	cg20819769	0.00568172204333991	511	0.127935471317028	0.898250768033968	3.22819653777747e-05	0.946183909230965
THCA	PHF14	cg20964328	-0.0163275669555585	511	-0.367691296478945	0.713256874850721	0.000266589442688246	0.8368843371563
THCA	PHF14	cg22876561	-0.0256591149406262	511	-0.577947868734162	0.563555911167637	0.000658390179536267	0.733431495438227
THCA	PHF14	cg23083824	-0.0624375781170184	511	-1.40863417584004	0.159556320649954	0.00389845116111877	0.329192287928778
THCA	PHF14	cg24491907	0.105317192172938	511	2.38465327987832	0.0174618614469517	0.0110917109671915	0.0656055273545909
THCA	PHF19	cg11054680	-0.091198415794363	511	-2.06207697432195	0.0397093972942672	0.00831715104304153	0.121860073100995
THCA	PHF19	cg11594303	-0.075472016716243	511	-1.70423840150493	0.0889492497960581	0.00569602530721686	0.219020001855876
THCA	PHF19	cg13501527	-0.388800684335474	511	-9.50210028759949	8.15462050157426e-20	0.151165972139733	1.07340194128506e-17
THCA	PHF19	cg13793166	-0.0469657666848461	474	-1.01931837699571	0.308576238147876	0.0022057832402954	0.507170199241019
THCA	PHF19	cg13851767	0.169270358078658	511	3.86720833374234	0.00012442041962677	0.028652454124077	0.00116219871634289
THCA	PHF19	cg13852822	-0.00218318172945894	511	-0.0491580789593112	0.960812677997198	4.76628246384335e-06	0.979446254581257
THCA	PHF19	cg14218513	-0.16074417985018	511	-3.66710882783625	0.000271219095763722	0.0258386913557069	0.00224388156288876
THCA	PHF19	cg27207079	0.0275714537476867	511	0.6210531660325	0.53484374761424	0.000760185061760826	0.711472692017957
THCA	PHF20	cg01512265	0.0019487553929002	511	0.0438795468959576	0.965017694841914	3.79764758135761e-06	0.981620292426363
THCA	PHF20	cg02674305	-0.0544497850377353	511	-1.22784882525654	0.220073458612279	0.00296477909065558	0.408240804999967
THCA	PHF20	cg02957488	0.00342106345416348	511	0.0770313751172815	0.938628974133273	1.17036751574129e-05	0.967199618704618
THCA	PHF20	cg04179482	0.10582573509083	511	2.39629810322178	0.0169229509770697	0.0111990862075145	0.0639949469332181
THCA	PHF20	cg09692677	-0.0482206290617637	510	-1.08595951552566	0.278013978498983	0.00232522906711221	0.474846190602013
THCA	PHF20	cg10372813	0.0553663423983341	511	1.24858032262413	0.212394847492217	0.00306543187056956	0.398637534367479
THCA	PHF20	cg21765224	0.0267168114124486	511	0.601788185109489	0.547584141824047	0.000713788012048342	0.720900995567174
THCA	PHF20	cg23538717	0.106078328975578	510	2.39971272010346	0.0167684409234295	0.011252611878251	0.0635651541368907
THCA	PHF20	cg23734815	-0.0269591310686382	511	-0.607250314884656	0.543956664926814	0.000726794747976016	0.718191558040709
THCA	PHF20	cg25561939	0.0879600460335329	511	1.9882730333255	0.0473187608206577	0.00773696969822122	0.138585787187796
THCA	PHF20	cg27405321	-0.0381334429792819	510	-0.858414951592254	0.391069811905097	0.00145415947345414	0.588269024651257
THCA	PHF20L1	cg02898212	0.0436706181921815	511	0.984255479576215	0.325459371988827	0.00190712289328729	0.524881330073504
THCA	PHF20L1	cg05307234	0.0395437401831143	511	0.89108994707926	0.373303591581129	0.00156370738766965	0.57185141228637
THCA	PHF20L1	cg10591701	-0.0203878534298463	511	-0.459161812537639	0.646314765065403	0.000415664567476895	0.792588092650945
THCA	PHF20L1	cg17646969	-0.00255756877857953	511	-0.057588096235299	0.95409942074692	6.5411580571648e-06	0.975658367894655
THCA	PHF20L1	cg24511731	0.0321427647082719	511	0.724121882996255	0.469324906711946	0.00103315732309133	0.658201628862353
THCA	PHF20L1	cg26292018	-0.0331506495103637	511	-0.746852415679947	0.455498848150934	0.00109896556295898	0.645824112288652
THCA	PHF20L1	cg27342122	0.0335920915557559	511	0.756808843898214	0.449515933746387	0.00112842861509029	0.640740731272569
THCA	PHF21B	cg01775414	-0.194584876956061	511	-4.46678107620571	9.79843632399406e-06	0.0378632743400053	0.000128521253648423
THCA	PHF21B	cg01995480	-0.127879162412634	511	-2.90324806025008	0.00385406610808326	0.0163530801793569	0.0201588932167168
THCA	PHF21B	cg05064352	-0.0571072408605468	511	-1.28796625112213	0.198345239853288	0.00326123695870451	0.380947305420682
THCA	PHF21B	cg10080155	-0.0168394539631915	510	-0.378847868322171	0.70495974927418	0.000283567209778445	0.831604843636347
THCA	PHF21B	cg11428482	0.0216780966091251	510	0.487751345333508	0.625937240853413	0.000469939872594561	0.778732795697272
THCA	PHF21B	cg14786713	0.0475130395927921	511	1.07104460048394	0.284658963379888	0.00225748893134623	0.481943821803407

THCA	PHF21B	cg15679813	-0.0697589909497789	510	-1.57302177744144	0.116338809011956	0.00486631681833133	0.264989790603623
THCA	PHF21B	cg20495645	-0.0725606967017277	510	-1.63814271999923	0.102012340186654	0.00526505470584012	0.241669650785084
THCA	PHF21B	cg20525183	-0.0110205439998628	510	-0.247916062648246	0.80429992425398	0.000121452390052913	0.893559377738944
THCA	PHF21B	cg21715212	-0.117987522729972	510	-2.67537225979589	0.00770596420869286	0.0139210555199558	0.0349305313862634
THCA	PHF21B	cg23080354	-0.0375519065251527	510	-0.846140331330671	0.397873639407244	0.0014101456836738	0.594491153443717
THCA	PHF21B	cg25561581	-0.0158700035784246	510	-0.357031866261598	0.721216797968552	0.00025185701357921	0.842045588107121
THCA	PHF21B	cg25976257	-0.0892712268581061	510	-2.01814765779466	0.0441020253075327	0.00796935194475145	0.131627583225559
THCA	PHF23	cg00039960	0.0380654524722768	510	0.857728510462603	0.391447668797688	0.00144897867191916	0.588529461887547
THCA	PHF23	cg01441172	0.0941163130565978	510	2.12863362958859	0.0337660596839534	0.00885788038336753	0.107810254342437
THCA	PHF23	cg04379155	0.036230191657325	510	0.81631886227172	0.414701160587469	0.0013126267875265	0.610288173204067
THCA	PHF23	cg11180288	0.0209796809470001	510	0.472496348620992	0.636775866652116	0.000440147012637918	0.786300956384277
THCA	PHF23	cg13351208	0.0351397103765708	510	0.791717885872844	0.428895437327325	0.00123479924534928	0.623018747300588
THCA	PHF23	cg22033559	-0.0028235091505745	510	-0.0635762503795201	0.949332700185057	7.97220392337791e-06	0.973137632633597
THCA	PHF23	cg26213471	0.000820454309581807	510	0.0184738973611083	0.985268068606033	6.73145274111359e-07	0.992337496229041
THCA	PHF23	cg26784276	0.0755766999460981	510	1.70661583024727	0.0885058174611382	0.00571183757474254	0.218316963773042
THCA	PHIP	cg01492710	0.132331878126783	510	3.00610930612091	0.00277729884186224	0.0175117259685617	0.0154824210751581
THCA	PHIP	cg04480383	-0.0143424459786443	510	-0.322977207661668	0.746845661891706	0.000205705756650329	0.857811760316905
THCA	PHIP	cg05801338	0.0410764761560233	510	0.925686342359251	0.355049408559005	0.00168727689339635	0.553966205661924
THCA	PHIP	cg06848288	0.0658861854216695	510	1.4867673991938	0.137697851942453	0.00434098942941862	0.297802862121041
THCA	PHIP	cg08287994	-0.0431513249445192	510	-0.972529598689144	0.331250898568933	0.0018620368446748	0.530899532402225
THCA	PHIP	cg08587415	-0.100776473364013	510	-2.27851039784195	0.023112096760445	0.0101558975836875	0.0812317003425525
THCA	PHIP	cg15564972	0.00731573518150961	510	0.164730333619385	0.869221895955385	5.35199812459775e-05	0.93061363813208
THCA	PHIP	cg19494004	-0.0390140131002314	510	-0.879134604855603	0.379744766434223	0.00152209321818502	0.578231833235153
THCA	PHIP	cg19950079	0.0753470857134458	510	1.70140120596557	0.0894807845222197	0.00567718332550935	0.219966762027478
THCA	PHIP	cg21607066	0.102023089467531	510	2.30926896237875	0.0213297286101355	0.0104087107844999	0.0764842086884943
THCA	PHIP	cg21875336	0.028403642332917	510	0.639813313504836	0.522582979881112	0.000806766897776276	0.702312630338149
THCA	PHIP	cg26363168	-0.0330287272718818	510	-0.74410261901829	0.45715911514594	0.00109089682520035	0.647367611254257
THCA	PHRF1	cg06063517	0.0370338286921812	510	0.834450570297565	0.404420127644506	0.00137150446760182	0.600830615949858
THCA	PHRF1	cg07530960	-0.00733842106190846	510	-0.16507814484153	0.868948402681175	5.38524236818617e-05	0.930525264150556
THCA	PHRF1	cg08482978	0.0837347503383685	510	1.8920717518088	0.0590509356077334	0.0070115084142289	0.162742277017212
THCA	PHRF1	cg12469954	0.0502228803529131	510	1.13228044460047	0.258051764838572	0.00252233771094302	0.452585422352147
THCA	PHRF1	cg12813709	0.0104737195484806	510	0.235846123601842	0.813647316099	0.000109698801180224	0.89961454389718
THCA	PHRF1	cg15219216	0.0375894131481555	510	0.846986646524923	0.397402186470827	0.00141296398082272	0.594001402079763
THCA	PHRF1	cg16143007	0.0283881105018844	510	0.639463165123418	0.522810487378196	0.000805884817867201	0.702480595801154
THCA	PHRF1	cg18793109	-0.0056666355592578	510	-0.127595757595643	0.898519480207573	3.21107585236822e-05	0.946352852298873
THCA	PHRF1	cg20152424	-0.035462392056273	510	-0.798997202394716	0.424666170725595	0.00125758125035281	0.619577278847489
THCA	PHRF1	cg21006161	0.0389010206230391	510	0.876584588612833	0.381127454678298	0.00151328940551411	0.57953185452285
THCA	PPARGC	cg04893087	0.036737470494957	510	0.827763931682813	0.408193657867837	0.00134964173836784	0.604174971735948
THCA	PPARGC	cg05158538	-0.0652859219506638	510	-1.4731637897317	0.141327422007735	0.00426225160494816	0.30334470443852
THCA	PPARGC	cg11270806	-0.139931281167447	510	-3.18209307293732	0.00155180916925544	0.0195807634491632	0.00966699571693287
THCA	PPARGC	cg12691631	-0.00972064913156763	510	-0.218886897986912	0.826826237796426	9.44910195390464e-05	0.906992869837491
THCA	PPARGC	cg20723350	0.00168574438120688	510	0.0379573878511533	0.969736597877644	2.84173411877057e-06	0.984061878304425
THCA	PPARGC	cg27461259	-0.0668235705189798	510	-1.50801435353996	0.132173709012628	0.00446538957690506	0.28943902938574
THCA	PPARGC	cg27514608	-0.129200370912612	510	-2.93375009289182	0.00350060351148896	0.0166927358439565	0.0186485825621052
THCA	PRDM1	cg00555933	-0.0689484568616526	510	-1.55465692114069	0.120653008173594	0.00475388970360317	0.271650848514025
THCA	PRDM1	cg01761420	0.0166724090017977	510	0.375459159855959	0.707476042342636	0.000277969221923225	0.833268603149175
THCA	PRDM1	cg05170275	-0.0312139995993056	510	-0.70317767310017	0.482267797326069	0.000974313770985453	0.669310987810788
THCA	PRDM1	cg08742502	-0.0315050195119847	510	-0.709740147853595	0.478191573074182	0.000992566254450539	0.665777849954749
THCA	PRDM1	cg14359052	-0.00942216566115902	510	-0.212165123274386	0.832063482248397	8.87772057463243e-05	0.90994854024158
THCA	PRDM1	cg17143179	-0.0845562102393799	510	-1.91076648629774	0.056598307976597	0.00714975269004621	0.157791312024491
THCA	PRDM1	cg17521665	-0.00078952932944458	510	-0.0177775694055127	0.985823292633645	6.23356562053221e-07	0.992585644376965
THCA	PRDM1	cg17965230	-0.0111935236806768	510	-0.252056563703299	0.801099487209899	0.000125294972389872	0.891442333114102
THCA	PRDM1	cg19464016	-0.027555914290438	510	-0.620702870215747	0.535074061245638	0.000759328412381963	0.711584380746759
THCA	PRDM1	cg22186515	0.00327592922498254	510	0.07373633819804618	0.941227757012208	1.07317122870947e-05	0.968671413269053
THCA	PRDM1	cg22196848	-0.0851154802540219	510	-1.92349656212326	0.0549773430108327	0.0072446449788728	0.154604753578569
THCA	PRDM1	cg24040346	-0.0523866730787654	510	-1.18119485994886	0.238079106794903	0.00274436351626144	0.429684624025674
THCA	PRDM1	cg24793124	-0.0706938455484066	510	-1.59420734347706	0.111514003507144	0.00499761979842196	0.257363973879226

THCA	PRDM1	cg24874254	-0.0332886526052888	511	-0.749964935311089	0.453623690608776	0.0011081343922756	0.643909138917756
THCA	PRDM1	cg26351406	-0.0468883029926361	511	-1.05693047678702	0.291046659932498	0.00219851295752925	0.48860967786937
THCA	PRDM10	cg04181189	-0.0869713739007927	511	-1.96575351061602	0.0498724092570203	0.00756401987819149	0.144015375120291
THCA	PRDM10	cg17627813	-0.0190155427747281	511	-0.428243952402559	0.668655382628148	0.000361590867017514	0.807869984281464
THCA	PRDM12	cg09191327	0.0207349427676925	511	0.466982064178815	0.640713325054015	0.000429937851579484	0.788916507108444
THCA	PRDM12	cg12539975	0.00531098954868637	511	0.119587435168262	0.904857344371706	2.82066099862559e-05	0.949594110875931
THCA	PRDM12	cg13795948	0.0179590642351963	511	0.404443379667424	0.686057267823449	0.000322527988203906	0.819266852299599
THCA	PRDM12	cg13928649	0.102892855360941	511	2.32916566654654	0.0202422676752473	0.0105869396843275	0.0734926481321786
THCA	PRDM12	cg23342516	-0.00622355556123119	510	-0.139998131824559	0.888717174290139	3.87326438237317e-05	0.940968035021867
THCA	PRDM13	cg00126261	0.0556144993221633	511	1.25419389576322	0.210349467393782	0.0030929725348549	0.396029198122746
THCA	PRDM13	cg00579292	0.0408358296943914	511	0.920254125322304	0.357877617756413	0.00166756498682934	0.556872131121134
THCA	PRDM13	cg01422797	0.0792224808261747	511	1.78945001773878	0.0741391189035476	0.00627620146825362	0.192239804545783
THCA	PRDM13	cg01815538	-0.00760503291873252	511	-0.171244896486754	0.864099529219097	5.78365256950053e-05	0.927862173918816
THCA	PRDM13	cg02400433	-0.00552911081179592	511	-0.124499014055572	0.900969526036053	3.05710663691185e-05	0.947802884495587
THCA	PRDM13	cg03120185	0.0808431671939171	511	1.82629591838294	0.0683936171291898	0.00653561768194364	0.181275520300475
THCA	PRDM13	cg04910970	0.124546784786659	511	2.82638464552244	0.00489354335535991	0.0155119016006944	0.0243624927548233
THCA	PRDM13	cg11809464	0.0206017854828714	511	0.463981884571441	0.642859871369665	0.000424433565082251	0.790282241922375
THCA	PRDM13	cg13738144	-0.020520592186245	511	-0.46215252271932	0.644170200376471	0.000421094703674181	0.791205402341241
THCA	PRDM13	cg14344102	-0.0131340213582693	511	-0.295759810658927	0.767534610449675	0.000172502517039474	0.871185848079126
THCA	PRDM13	cg17879189	0.0134463007467983	511	0.30279316306907	0.762171685307244	0.000180803003773348	0.867824513134385
THCA	PRDM13	cg17978124	0.0792262882477362	511	1.78953656166746	0.0741251740326934	0.00627680474951339	0.192210052621558
THCA	PRDM13	cg25273233	0.0953272672519812	511	2.15627140194087	0.0315320880684162	0.00908728788173065	0.102459101450172
THCA	PRDM13	cg25924096	-0.00852148335753559	511	-0.191882314663082	0.84791121624437	7.26156786127561e-05	0.918841470920135
THCA	PRDM13	cg26507427	0.00948325274330287	511	0.213540784741066	0.83099102415105	8.99320825933614e-05	0.909407136887809
THCA	PRDM14	cg00384539	0.131769988126637	511	2.9931191314638	0.00289610990788451	0.017363329770894	0.0160002822366286
THCA	PRDM14	cg01295203	0.0540135337311479	511	1.21798240769621	0.223797170857406	0.00291746182612586	0.412790617585912
THCA	PRDM14	cg04838988	0.0404238654804189	510	0.910056228945542	0.363226147842252	0.001634088900379	0.562201606518774
THCA	PRDM14	cg09050331	0.0606615133937925	511	1.36841478240317	0.171788351129015	0.00367981920722526	0.34604098880711
THCA	PRDM14	cg10457247	0.0130409337862534	511	0.293663250769346	0.769135411027267	0.000170065954017447	0.872014053898678
THCA	PRDM14	cg11229513	0.109150820576068	511	2.47248457068068	0.0137447555590147	0.011913901632429	0.0545844690813186
THCA	PRDM14	cg13267264	0.108748519178523	511	2.46326237308445	0.0140990317855719	0.0118262404235217	0.055639429753299
THCA	PRDM14	cg18035229	0.0548035673816411	511	1.23585061246289	0.217086385836365	0.00300343099775408	0.404435622763948
THCA	PRDM14	cg21255438	0.0302217817237267	511	0.680804578258763	0.496305951949811	0.000913356090556578	0.681077902696883
THCA	PRDM14	cg27029821	0.197452263528432	511	4.53525336940711	7.18836683029605e-06	0.0389873963725014	9.76448069139255e-05
THCA	PRDM4	cg00090609	0.046290290629215	511	1.04342127484	0.297250479691419	0.00214279100653719	0.495304984623434
THCA	PRDM4	cg03909902	-0.0985594813144359	511	-2.23008831946202	0.026178566995315	0.00971397135697064	0.0892076328442689
THCA	PRDM4	cg12900929	-0.0102459801527743	511	-0.230717367258385	0.817627449443727	0.000104980109291045	0.90194319062364
THCA	PRDM4	cg18440127	-0.0845793721503546	511	-1.91129366035535	0.0565303978692515	0.00715367019334819	0.157658484686332
THCA	PRDM4	cg25995916	-0.0320983312302878	511	-0.72311983910001	0.469939719628625	0.00103030286776927	0.658606349195516
THCA	PRDM4	cg27140793	0.0773258237526261	511	1.74634810378925	0.0813561051356303	0.00597928301902219	0.205407530926951
THCA	PRDM5	cg05713693	-0.0830834983176038	511	-1.87725336047412	0.0610573170582139	0.00690286769269128	0.166733113002903
THCA	PRDM5	cg06329345	0.0339722705943456	511	0.765383881414722	0.444399128902677	0.00115411516933544	0.636371527943277
THCA	PRDM5	cg07070341	-0.0579689848004841	511	-1.30746660631937	0.191646881529404	0.00336040319879875	0.372101168085917
THCA	PRDM5	cg10416963	0.0303171721439753	511	0.682955407308942	0.494946968625709	0.000919130926807432	0.679968644743906
THCA	PRDM5	cg11171429	0.0439061098125204	511	0.989573251755545	0.3228547760464687	0.0019277464788691	0.522241582928085
THCA	PRDM5	cg13155001	-0.160966943062203	511	-3.67232587897387	0.000265881531377217	0.0259103567587906	0.00220652740046503
THCA	PRDM5	cg18181323	-0.0760360953991221	511	-1.71704969164203	0.0865808069729131	0.00578148780354439	0.214922853238801
THCA	PRDM5	cg19294653	-0.0503537903080111	511	-1.1352393166337	0.256811449875643	0.00253550419838315	0.45112202347527
THCA	PRDM5	cg22135105	-0.130650800566014	511	-2.96725368826587	0.00314664559141648	0.0170696316885403	0.0171241795829768
THCA	PRDM8	cg01304890	0.120414560755016	511	2.73120687930908	0.0065301616458204	0.0144996664418235	0.0306655287376746
THCA	PRDM8	cg02895669	0.299203837347104	511	7.06051912805765	5.49117701947646e-12	0.089522936283232	2.7330814142876e-10
THCA	PRDM8	cg04343891	0.00833089069539259	511	0.187590347286174	0.851272843750422	6.94037397785789e-05	0.920645767029608
THCA	PRDM8	cg05007549	0.276136017301865	511	6.46919242438583	2.32399661533705e-10	0.076251100051336	8.63798340628431e-09
THCA	PRDM8	cg07462804	-0.0366240523143741	511	-0.82520497020919	0.409643327035989	0.00134132120792601	0.605575269524129
THCA	PRDM8	cg08074201	-0.00517942967453336	511	-0.116625023887395	0.907203388470132	2.68264917534368e-05	0.9509017960717
THCA	PRDM8	cg10695325	-0.00564613377984297	511	-0.127134103908427	0.898884665098883	3.18788266598839e-05	0.946580847111743
THCA	PRDM8	cg11571772	-0.0228105139776467	511	-0.513750273574252	0.607650419957258	0.000520319547924415	0.765556079065798

THCA	PRDM8	cg12572049	-0.07583392767534	511	-1.71245789157743	0.0874237587717533	0.0057507845866687	0.216338832900397
THCA	PRDM8	cg14489346	-0.0549800363349437	511	-1.23984213071727	0.21560733240173	0.00302280439539173	0.40274105738373
THCA	PRDM8	cg15656813	0.248690226397474	511	5.78130420323309	1.29676027623795e-08	0.061846828705627	3.46429151544146e-07
THCA	PRDM8	cg16117799	0.0952982313289729	511	2.15560859858824	0.0315841368195413	0.00908175289443043	0.102552541414057
THCA	PRDM8	cg18624348	-0.0528946839855705	511	-1.19150448552466	0.23401416017639	0.00279784759393337	0.424960843548217
THCA	PRDM8	cg19595012	-0.0518108909991021	511	-1.16817720537526	0.243284312997805	0.00268436842612084	0.435893499282601
THCA	PRDM8	cg20142271	-0.0367321106834185	511	-0.827643001926609	0.408262096327057	0.0013492479552589	0.604233805560319
THCA	PRDM8	cg26162932	0.0126648746475847	511	0.285193555999351	0.775612322255204	0.000160399049839032	0.875770860814279
THCA	PRKAA1	cg00301775	-0.0387702046843256	511	-0.873632374229674	0.382732092046432	0.0015031287712645	0.58100652477579
THCA	PRKAA1	cg01883943	-0.0668604898456016	511	-1.50885125595451	0.131959694320976	0.00447032510239379	0.28907700920412
THCA	PRKAA1	cg03125217	0.0218752108276098	511	0.492674588157829	0.622455825142271	0.000478524848752377	0.776371092406158
THCA	PRKAA1	cg05874655	0.00767694323205427	511	0.172864218412565	0.862827144596265	5.89354573881839e-05	0.927058931643581
THCA	PRKAA1	cg06971720	0.00330383353916696	511	0.0743917041502238	0.940728051254456	1.09153160545245e-05	0.968336482736439
THCA	PRKAA1	cg10786880	0.041888253294161	511	0.944012135914741	0.345613080876807	0.00175462576403579	0.544903409138874
THCA	PRKAA1	cg24728477	0.0654024617322867	511	1.47580477332341	0.140617073835802	0.00427748200064322	0.302224889005902
THCA	PRKCD	cg02121118	-0.0100898263290439	511	-0.227200759273892	0.820359221433417	0.000101804595350268	0.903427545932125
THCA	PRKCD	cg02559423	0.0102877250913925	511	0.231657472507358	0.816897531412282	0.000105837287556068	0.901504072158755
THCA	PRKCD	cg02630105	0.0373296884145791	511	0.841126181890787	0.400673777296275	0.00139350563712956	0.597218267761083
THCA	PRKCD	cg10531918	-0.0322004124818735	511	-0.725421936175359	0.468527912830619	0.00103686656400279	0.657466985594562
THCA	PRKCD	cg13469346	0.0326575767136141	511	0.735732007688077	0.462234033333882	0.00106651731680559	0.651726948603099
THCA	PRKCD	cg13889007	0.0288319384311023	511	0.64946897078901	0.516329415348482	0.000831280673694875	0.697446356049795
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THCA	PRKCD	cg14727059	-0.0226531094088807	511	-0.510203299412693	0.610131081743173	0.000513163365890718	0.767435498894736
THCA	PRKCD	cg21903826	-0.00871749500279829	511	-0.196296334258573	0.844456885495663	7.59947191238132e-05	0.916882007428569
THCA	PRMT1	cg07702240	-0.0754731496193241	511	-1.70426413021602	0.0889444413468554	0.00569619631346088	0.219015094170774
THCA	PRMT1	cg08377944	-0.0284249628646523	511	-0.640293962656513	0.522270763128399	0.000807978513856864	0.702116662682649
THCA	PRMT1	cg11787855	-0.0765729407668083	511	-1.72924400165641	0.0843741242718817	0.00586341525767714	0.210864836276239
THCA	PRMT1	cg14258555	-0.156650552991223	511	-3.57133874027736	0.000389004845281818	0.0245393957524558	0.00303502586840374
THCA	PRMT1	cg14576628	-0.0297929786352313	511	-0.671136308825056	0.502439339533885	0.000887621575959347	0.686041911995282
THCA	PRMT1	cg18880319	-0.00360177755804438	511	-0.0811005285174632	0.935394009569224	1.29728015776322e-05	0.965541585356972
THCA	PRMT1	cg22292364	0.0302435320785331	511	0.681294995832481	0.495995910139015	0.000914671232585258	0.680859642561156
THCA	PRMT1	cg24228123	-0.0207363867615879	511	-0.467014599080303	0.640690063693173	0.000429997735926158	0.788911374449123
THCA	PRMT1	cg25595446	-0.013925757355235	511	-0.313591958954865	0.753959941982959	0.000193926717916883	0.862526980480314
THCA	PRMT1	cg26846726	-0.125410573914289	511	-2.84629905198919	0.00460225373200026	0.0157278120495113	0.0232002228873899
THCA	PRMT2	cg04493422	-0.0806780040813113	511	-1.82254031400194	0.0689619106540215	0.00650894034254407	0.182315492115567
THCA	PRMT2	cg06725035	-0.0533437244475299	511	-1.20164830435776	0.230061923811854	0.002845552937934	0.420206041966238
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THCA	PRMT2	cg10187059	-0.0167458300025049	511	-0.377113048190326	0.706247388435217	0.000280422822472792	0.8325021112784
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THCA	PRMT2	cg12162201	-0.0835429810260872	511	-1.88770803818715	0.0596359903271262	0.00697942967872517	0.1639452339921
THCA	PRMT2	cg13271076	-0.00463171222606994	511	-0.104291810400176	0.916979019853679	2.14527581451258e-05	0.956178936281983
THCA	PRMT2	cg17243659	-0.0866928921842933	511	-1.95941144056621	0.0506121577590874	0.0075156575552775	0.145627184995023
THCA	PRMT2	cg23283320	-0.112575288989525	511	-2.55103599419527	0.0110329337571614	0.0126731956910752	0.0460261716379567
THCA	PRMT3	cg01769160	-0.0363862051676682	511	-0.819838723505478	0.412693296370046	0.00132395592650364	0.608326934550011
THCA	PRMT3	cg04101203	-0.0492188638872171	511	-1.10958925127764	0.267702075998263	0.00242249656234841	0.463419642186272
THCA	PRMT3	cg06578097	-0.0469783769394291	511	-1.05896536104145	0.290119804949476	0.00220696789986309	0.487672524358084
THCA	PRMT3	cg13432154	0.067689994600138	511	1.52765645731466	0.127221458343618	0.00458193536896672	0.281983763473231
THCA	PRMT3	cg13982511	0.0764006589806106	511	1.72533049908992	0.0850772829903095	0.00583706069267155	0.212158679091811
THCA	PRMT3	cg19653624	-0.00620047369248347	511	-0.139616644930649	0.889018332339892	3.84458740111796e-05	0.941131349876816
THCA	PRMT3	cg23019633	0.0615038250988106	511	1.38748747415508	0.165902705808929	0.00378272050178509	0.338125100751895
THCA	PRMT3	cg23071995	0.0465384612283472	511	1.04902735396617	0.294665322749047	0.00216582837350238	0.492495308152096
THCA	PRMT6	cg00944433	-0.0774586840925908	511	-1.74936675490639	0.0808326984293163	0.00599984774135577	0.204470928712045
THCA	PRMT6	cg02990361	-0.0667357888975969	511	-1.50602450877661	0.13268363975769	0.00445366551978461	0.290196268416592
THCA	PRMT6	cg02993280	0.072536322069346	511	1.63758952297752	0.102127811775845	0.0052615180193479	0.241803298818824
THCA	PRMT6	cg09367891	-0.0973399189429249	511	-2.20222785952139	0.028098649819722	0.00947505981981519	0.0940579330497183
THCA	PRMT6	cg14671364	-0.0387832367679133	511	-0.87392647631487	0.382572050730336	0.00150413945419602	0.580881738987366
THCA	PRMT6	cg14828511	0.0186438381280112	511	0.419455674412531	0.675061164102844	0.000347592700143483	0.81208183646033

THCA	PRMT6	cg22528358	0.00662761922065083	511	0.149235129541672	0.8814274432597	4.39253365339403e-05	0.937111638131926
THCA	PRMT7	cg00894222	-0.0296268506041737	508	-0.665413243900434	0.506090609301841	0.000877750276722025	0.689132219986127
THCA	PRMT7	cg02477175	-0.00733833261951391	511	-0.165239193436078	0.868821580992016	5.38511256346219e-05	0.930453959495228
THCA	PRMT7	cg06089844	-0.00555912580249832	511	-0.125174882572424	0.900434718622861	3.09038796880026e-05	0.947446095938529
THCA	PRMT7	cg06092312	-0.0049650335903742	511	-0.111797353715583	0.911028331978639	2.46515585535441e-05	0.952780078345478
THCA	PRMT7	cg06745885	-0.0436090990720863	511	-0.98286630793885	0.32614202738477	0.00190175352187904	0.525657133825819
THCA	PRMT7	cg09175928	-0.0358245841361789	511	-0.807168124905016	0.419948124389085	0.00128340082853016	0.615249398382017
THCA	PRMT7	cg09779635	-0.017000688709764	510	-0.382476312335527	0.702268694003327	0.000289023416606298	0.829622346797285
THCA	PRMT7	cg10233539	0.0760330102663162	511	1.71697961796264	0.0865936212935538	0.00578101865015775	0.214940945563662
THCA	PRMT7	cg10446007	-0.012994907426644	511	-0.292626627357898	0.769927276423696	0.000168867619027047	0.872478082084729
THCA	PRMT7	cg11893236	0.00996797653296135	511	0.224456694796686	0.822492387182257	9.93605561616682e-05	0.904585595761027
THCA	PRMT7	cg19328639	-0.0231175598257618	511	-0.520669393219193	0.602824404560239	0.000534421572297678	0.762056893139801
THCA	PRMT7	cg21918026	0.0198788091601308	511	0.447692862446272	0.654566096175121	0.0003951670536249	0.798539932604307
THCA	PRMT7	cg26492318	-0.00557495756383658	511	-0.125531377540165	0.900152646274712	3.10801518385787e-05	0.947367965464346
THCA	PRMT7	cg26561196	0.050750096763417	511	1.14419713030029	0.253081797132761	0.00257557232149619	0.447094316607912
THCA	PRMT7	cg26796563	0.0210466018284114	511	0.474004181959069	0.635700985372782	0.000442959448523689	0.785485594690545
THCA	PRMT8	cg01693063	-0.137756352268305	511	-3.13166989746097	0.00183852712398936	0.0189768125902694	0.0110976395937017
THCA	PRMT8	cg06029846	-0.0836174705567542	511	-1.88940302347858	0.0594081688095472	0.00699188138230965	0.163498039564507
THCA	PRMT8	cg07912789	-0.147025363153181	511	-3.34689178882604	0.000877910187142045	0.0216164574103247	0.00602258775119297
THCA	PRMT8	cg10350722	0.0849487892127761	511	1.91970215805171	0.055456385948727	0.00721629678871666	0.155516170595698
THCA	PRMT8	cg11596580	-0.116142691179179	511	-2.63296402968403	0.00872264579786999	0.0134891247143422	0.0383676075539691
THCA	PRMT8	cg19656577	-0.170568336367431	511	-3.89774750124077	0.000110132706627082	0.0290935573711532	0.00104719918901358
THCA	PRMT8	cg21667836	-0.00707781775648978	511	-0.159372811473063	0.873438626405814	5.0095504194082e-05	0.933001005823862
THCA	PRMT8	cg23739862	-0.262443799442899	511	-6.12402154787368	1.83082785370427e-09	0.0688767478660244	5.76395880417119e-08
THCA	PRMT8	cg24100636	-0.15955238209776	511	-3.63920701271166	0.000301517159048943	0.0254569626330695	0.00245358011203488
THCA	PRMT8	cg27316886	-0.19010485768288	511	-4.36003708311366	1.57553695943327e-05	0.036139856914628	0.000194600558482151
THCA	PWWP2E	cg00259755	-0.00343780189580894	511	-0.0774082755741724	0.938329295899814	1.18184818748275e-05	0.96700609701313
THCA	PWWP2E	cg05010219	-0.0163092697702334	511	-0.367279140349783	0.713564066221781	0.00026599228043825	0.83702756705945
THCA	PWWP2E	cg15012692	-0.0508893347072066	511	-1.14734448869813	0.251780399015769	0.0025897243869421	0.445574384336147
THCA	PWWP2E	cg15278699	-0.213054968416119	511	-4.91001938397556	1.23011502139872e-06	0.0453924195667936	2.05531718158703e-05
THCA	PWWP2E	cg19919881	-0.0121467658919258	511	-0.273524782945909	0.78456123361792	0.000147543921633251	0.881045676376207
THCA	PWWP2E	cg22633292	0.0017305563535729	511	0.0389664082355784	0.968932509154931	2.99482529289154e-06	0.983676144714708
THCA	PWWP2E	cg22664157	-0.0639197591250274	511	-1.44220877277986	0.149860924884435	0.00408573560660152	0.315446744695593
THCA	PWWP2E	cg24520806	-0.0504338802352525	511	-1.13704956575267	0.256054670261857	0.00254357627558379	0.450303264956358
THCA	PYGO1	cg06364757	0.0542414734117521	511	1.2231374864521	0.221845978992282	0.00294213743787781	0.410296129370839
THCA	PYGO1	cg09275667	-0.0920920728482419	511	-2.08245534139373	0.0378016419379878	0.00848094988148589	0.117460494205297
THCA	PYGO1	cg11480800	-0.0860141588531623	511	-1.9439560799953	0.0524535845933159	0.00739843552321704	0.149411378560009
THCA	PYGO1	cg12686317	-0.0863849983669897	511	-1.95240008563246	0.0514406816171923	0.00746236794286481	0.147313689885067
THCA	PYGO1	cg13878116	-0.0863939212967071	511	-1.95260327055831	0.0514165122565345	0.00746390963702162	0.147266159363972
THCA	PYGO1	cg17841803	-0.0576168443802987	511	-1.29949768873283	0.194363752210484	0.00331970075634356	0.375697802004235
THCA	PYGO1	cg19850348	-0.0557671040272858	511	-1.25764609195055	0.209098734036595	0.00310996989159011	0.394438092037897
THCA	PYGO1	cg22510134	-0.0499845174720619	511	-1.12689303456055	0.260320771720297	0.00249845198691487	0.455455966966733
THCA	PYGO1	cg23030278	-0.128659142680964	511	-2.92125313542385	0.00364168031898144	0.0165531749954005	0.0192303067292181
THCA	PYGO1	cg23412777	-0.035286200900402	511	-0.795022507727335	0.426972422576684	0.00124511597398353	0.621357214993931
THCA	PYGO1	cg25902187	0.000724979195511633	511	0.016324114703671	0.986982241084634	5.25594833924695e-07	0.993148441205393
THCA	PYGO2	cg01277844	0.0943901339249253	511	2.13488224189336	0.0332494430642989	0.00890949738236534	0.10659388336537
THCA	PYGO2	cg02341811	0.0738600198366398	511	1.6676359410036	0.0960055094550532	0.00545530253026883	0.231306407833826
THCA	PYGO2	cg04602755	-0.00012874563565039	511	-0.0028989217926154	0.997688138556225	1.65754386990238e-08	0.998869411995097
THCA	PYGO2	cg10892866	0.147616853999728	511	3.36065584022702	0.000836222164034976	0.0217907355847771	0.00578250259061796
THCA	PYGO2	cg14024356	0.00682643388541705	511	0.153712075761109	0.877897924945876	4.66001995919701e-05	0.935184208692633
THCA	PYGO2	cg18188585	-0.0121711942571409	511	-0.274074950153256	0.784138651645173	0.000148137969645059	0.880931936622717
THCA	PYGO2	cg24683561	0.0580556577158595	511	1.30942808441966	0.190982465477464	0.00337045939282104	0.371367258713571
THCA	PYGO2	cg27105205	0.0478940151418872	511	1.07965226275391	0.280810396081473	0.00229383668641132	0.478010439823785
THCA	RBBP4	cg05797186	-0.00646336767351209	511	-0.145536495514929	0.884345144569358	4.1775121683001e-05	0.938706708967511
THCA	RBBP4	cg06526778	0.0530264432173407	511	1.1956605840893	0.232387959741246	0.00281180368028186	0.423006649381305
THCA	RBBP4	cg09036220	-0.0387193830638882	511	-0.872485459473178	0.38335660086804	0.00149919062484811	0.581628078213422
THCA	RBBP4	cg11229946	0.184263554990853	511	4.22128145960733	2.87910901344864e-05	0.0339530576978673	0.000328894870179477

THCA	RBBP4	cg13641837	-0.101698820839773	511	-2.30185238788623	0.0217479513257265	0.0103426501602003	0.0776011432636258
THCA	RBBP4	cg16148416	0.0637940238975439	511	1.43936022985168	0.150665588935579	0.0040696774850404	0.316592264752159
THCA	RBBP4	cg16396527	0.0362966014335139	511	0.817817143120158	0.413845776396425	0.00131744327562336	0.609425273131359
THCA	RBBP4	cg18758482	0.053129071349691	511	1.19798122673574	0.231484054875759	0.00282269822248056	0.421991624056915
THCA	RBBP4	cg20740619	0.146590651474922	511	3.33677834498042	0.000909764232274327	0.0214888190998421	0.00620445329057149
THCA	RBBP4	cg22358606	0.0930990449446093	509	2.10126694071528	0.0361124822696505	0.00866743216959839	0.113517635594197
THCA	RBBP4	cg22857567	-0.0154283542847252	510	-0.347093560255457	0.728665342146277	0.000238034115934999	0.846589092679946
THCA	RBBP4	cg23016766	0.085498607887129	511	1.93221835020365	0.0538893252677093	0.00731001195063704	0.152407247968742
THCA	RBBP4	cg26131911	0.0729588498307008	511	1.64717946453491	0.100140773075088	0.00532299376861875	0.238485008896205
THCA	RBBP5	cg00960017	0.0298827704649052	511	0.673160824004576	0.501151702087655	0.000892979970658211	0.684959843346529
THCA	RBBP5	cg02189925	0.287412873034618	511	6.75666342698755	3.88693270653403e-11	0.0826061595860134	1.6559695672076e-09
THCA	RBBP5	cg03143531	0.0127032019868932	511	0.286056767994718	0.774951484868373	0.000161371340719808	0.875282940262973
THCA	RBBP5	cg05290904	0.110454704856367	511	2.5023827720551	0.0126498143998424	0.0122002418249072	0.0512579893596143
THCA	RBBP5	cg07601985	0.222127097226039	511	5.129712350291	4.1384921907741e-07	0.0493404473220661	7.77844555421793e-06
THCA	RBBP5	cg07972983	0.16689974532038	511	3.81148528555812	0.000155113622429198	0.0278555249880077	0.00140166211444501
THCA	RBBP5	cg14717946	0.0244952989343988	511	0.551717875537723	0.581384746975543	0.000600019669885558	0.746821304242258
THCA	RBBP5	cg18131828	-0.0207251423842789	511	-0.466761249950733	0.640871209156537	0.000429531526848633	0.788997053998696
THCA	RBBP5	cg21214746	0.0112652679479986	511	0.253672310621603	0.799851563001945	0.000126906261940206	0.890728953321404
THCA	RBBP5	cg23227967	0.0808513065199229	511	1.82648100047623	0.0683657108581823	0.00653693376597853	0.181250796118374
THCA	RBBP5	cg24103461	-0.0160247816207631	511	-0.360870904964744	0.718346266047037	0.000256793625993147	0.840088112965857
THCA	RBBP5	cg26795850	0.0349256111170281	511	0.786888197109826	0.431714980218	0.00121979831189788	0.625562457401539
THCA	RBBP7	cg01947226	-0.103899296827892	511	-2.35219569395243	0.0190444032123307	0.0107950638813303	0.0700591243911691
THCA	RBBP7	cg03048084	-0.0326366526183324	511	-0.735260112696764	0.462521068803667	0.0010651510941297	0.651960206870581
THCA	RBBP7	cg03171708	-0.0596374562481021	511	-1.34523072761177	0.179152106844882	0.00355662618774429	0.355897829414984
THCA	RBBP7	cg03811055	-0.0517487421823313	511	-1.16677217471052	0.243850884593235	0.0026779323174534	0.436536628222711
THCA	RBBP7	cg07096248	-0.0648253095756283	511	-1.46272614532106	0.144161937713678	0.00420232076157604	0.30736465442199
THCA	RBBP7	cg08363715	-0.028764461944709	511	-0.647947733618929	0.517312068172233	0.000827394270968611	0.698240249694474
THCA	RBBP7	cg14719055	-0.167654653057629	511	-3.82922253218536	0.000144642414258165	0.0281080826918738	0.00131914560079715
THCA	RBBP7	cg15289846	-0.0138219869006581	511	-0.311254720065932	0.755734923287863	0.000191047321881964	0.863744639353804
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THCA	RBBP7	cg17878446	-0.0523466605444032	511	-1.18029019258886	0.238438274731383	0.00274017287015098	0.430113322461003
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THCA	RING1	cg01241018	0.0774306137613003	511	1.74872897561043	0.0809430544803583	0.00599549994745166	0.204630312629826
THCA	RING1	cg01878788	0.0668000943632407	511	1.50748218966432	0.132309935439192	0.00446225260693786	0.289623205986564
THCA	RING1	cg02475416	-0.0949929933620425	511	-2.14864126361341	0.0321357555211616	0.00902366878788104	0.103905609518423
THCA	RING1	cg03037740	-0.00481563398316886	511	-0.108433252792332	0.913694923975962	2.31903306598508e-05	0.954439634710378
THCA	RING1	cg06316695	-0.0189069709613248	511	-0.425797958745983	0.670435768170215	0.000357473550932381	0.80905732023631
THCA	RING1	cg06671577	-0.12890418181414	511	-2.92691075837175	0.00357718172224432	0.0166162880891728	0.0189721349127539
THCA	RING1	cg07946923	0.0492796300517633	511	1.11096249552622	0.267111071004899	0.00242848193803865	0.462818803905633
THCA	RING1	cg08892712	-0.00477589357313014	511	-0.107538400599895	0.914404403880205	2.28091594218657e-05	0.954808947349825
THCA	RING1	cg09478665	-0.0337170569335617	511	-0.759627434165053	0.447830368266856	0.00113683992826104	0.639335892633543
THCA	RING1	cg09724776	-0.0273721187265887	511	-0.6165597211767	0.537801911406627	0.000749232883582467	0.713609787454818
THCA	RING1	cg09832551	-0.0457804549499035	511	-1.0319048877132	0.30260866189526	0.00209585005542014	0.500966721145307
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THCA	RING1	cg10265934	0.0193406276511935	511	0.4355678184889861	0.663335698382156	0.000374059877942109	0.804307070246441
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THCA	RING1	cg12115664	0.0283433321593672	511	0.638453688273102	0.523466676323366	0.00080334447789622	0.702848721105497
THCA	RING1	cg12256228	-0.0633112066536093	511	-1.42842259995458	0.153785994424049	0.00400830888793602	0.32111086910445
THCA	RING1	cg14046664	0.054637683523618	510	1.2308829352728	0.218938488024617	0.00298527646082704	0.406824170863877
THCA	RING1	cg14363494	0.0850220719919486	511	1.92137028092575	0.0552453576707847	0.00722875272580409	0.155108898319656
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THCA	RING1	cg20505183	-0.133589193882187	511	-3.03518753569969	0.00252735715308471	0.0178460727220925	0.0143691604448638
THCA	RING1	cg24536938	0.0209386527336833	511	0.47157192120462	0.637435237902252	0.000438427178301784	0.786759061659995
THCA	RING1	cg24550302	0.0132172429218663	511	0.297634170408666	0.766104309303231	0.000174695510455625	0.870327968660527
THCA	RNF17	cg00202166	-0.769428892759087	511	-27.1239834222778	9.1033310378014e-101	0.592020821012474	2.83273813901889e-97

THCA	RNF17	cg01405147	0.0607546789559198	511	1.37052421034646	0.171129795893098	0.00369113101503689	0.345218751275459
THCA	RNF17	cg07131398	-0.625648290638381	508	-18.0049667811744	2.50075223939768e-56	0.391435783578729	1.92617346249211e-53
THCA	RNF17	cg12020676	-0.360412165238407	511	-8.69997631884394	4.65646295434714e-17	0.129896928851837	4.68016639625945e-15
THCA	RNF17	cg14855529	-0.293435165610339	511	-6.91142814276487	1.44674112193131e-11	0.086104196416767	6.65963188399552e-10
THCA	RNF17	cg15523998	-0.0498500680876185	511	-1.12385433302421	0.261606666942819	0.0024850292883402	0.456970202989141
THCA	RNF17	cg17806989	-0.860772354133217	511	-38.0787713752077	8.23535963694167e-151	0.740929045640041	5.33884639663534e-147
THCA	RNF17	cg20477497	-0.624495479452031	511	-18.0038937067257	2.16000716619616e-56	0.389994603856023	1.68035597487064e-53
THCA	RNF17	cg21831927	0.00911045069204583	511	0.205145438964532	0.837540831760817	8.30003118121983e-05	0.913017270378221
THCA	RNF17	cg23678722	-0.319316342949311	511	-7.58713817770004	1.57718055213514e-13	0.101962926874522	1.01568860821855e-11
THCA	RNF17	cg24753530	-0.547367860167955	511	-14.726983245984	4.00310389553809e-41	0.299611574344846	1.65647587473133e-38
THCA	RNF20	cg04845236	0.0662294946976501	511	1.4945484526765	0.135654440156377	0.00438634596790606	0.294664140211236
THCA	RNF20	cg14625770	-0.0471516977741401	511	-1.0628809705454	0.288341923181225	0.0022328260298385	0.485882934886285
THCA	RNF20	cg21219529	0.227886741750369	511	5.26991218853044	2.02249518233862e-07	0.0519323670655993	4.09734349517839e-06
THCA	RNF217	cg00991794	-0.113138440091109	511	-2.56396244887915	0.010635554841152	0.0128003066262494	0.0447284772819784
THCA	RNF217	cg02312409	-0.0899115721112079	511	-2.03274145039323	0.0425991937191475	0.00808409079950894	0.128229130990852
THCA	RNF217	cg03113502	-0.010392555641136	511	-0.234018285020725	0.815065248972934	0.000108005212754108	0.900551269806447
THCA	RNF217	cg06993703	-0.0841751015359311	511	-1.90209275203427	0.0577254635375695	0.0070854477185843	0.160027607100053
THCA	RNF217	cg07439975	-0.134581508467855	511	-3.05814755098121	0.0023447728558909	0.0181121824214834	0.0135218131616884
THCA	RNF217	cg10621825	-0.113478518043535	511	-2.57176973966672	0.0104017774343634	0.012877374057357	0.0439493739804945
THCA	RNF217	cg16203203	-0.103803293895979	511	-2.34999858042889	0.0191559365374446	0.010775123823655	0.0703795658351735
THCA	RNF217	cg17382198	-0.0783082609604393	511	-1.76867177557164	0.0775498933901023	0.00613218373464826	0.198523031570293
THCA	RNF217	cg18192252	-0.123501646648726	511	-2.80229801293735	0.0052681578629143	0.0152526567249467	0.0258454356301668
THCA	RNF217	cg19171596	-0.0919976645327907	511	-2.08030227747143	0.0379994391048149	0.0084635702794879	0.117882057890496
THCA	RNF217	cg19478500	-0.0606778587601481	511	-1.36878486690326	0.171672674792137	0.00368180254371649	0.345906500110843
THCA	RNF217	cg20034100	-0.0670308076394915	511	-1.51271217011142	0.130975857364495	0.0044931291728025	0.287649930772219
THCA	RNF217	cg23521835	-0.104021625231638	511	-2.35499538590905	0.0189031062491422	0.0108204985158313	0.0697107488763102
THCA	RNF217	cg24822696	-0.130759752169462	511	-2.96977115020328	0.00312141827106031	0.0170981127874192	0.0170011631295152
THCA	RPH3A	cg00851732	0.0241400573930503	511	0.543711921804832	0.586878721529927	0.000582742370939763	0.750888923733613
THCA	RPH3A	cg00854817	0.00361553461057682	511	0.0814102974496841	0.935147787345693	1.30720905202788e-05	0.965479588172142
THCA	RPH3A	cg01119407	-0.0474567556518947	511	-1.06977297560084	0.285230538863672	0.00225214365700364	0.482456138962365
THCA	RPH3A	cg01573562	-0.0951302912792688	511	-2.15177513799408	0.0318866236175824	0.00904977231887853	0.10327607301329
THCA	RPH3A	cg05967001	-0.043818832470901	511	-0.987602372509471	0.323818500230489	0.00192009007911289	0.523196818745901
THCA	RPH3A	cg08254200	0.00957414816864895	511	0.215587724951609	0.829395825591354	9.1664313155244e-05	0.908351431130389
THCA	RPH3A	cg09384610	0.0222573247584677	511	0.501284805935678	0.616388274656987	0.000495388505403897	0.772026041098447
THCA	RPH3A	cg11596863	-0.00988913308173875	511	-0.222681141037059	0.823873359996029	9.77949531083397e-05	0.905247159892249
THCA	RPH3A	cg16403344	-0.0541352731107086	511	-1.22073563899057	0.222753549727139	0.00293062779477101	0.411417133130888
THCA	RPH3A	cg17453780	-0.0251294101695692	511	-0.566009139314873	0.571637995172968	0.000631487255470448	0.739429111529338
THCA	RPH3A	cg18629535	-0.034695313722452	511	-0.781693229042628	0.4347597637366	0.00120376479429937	0.628157848916449
THCA	RPH3A	cg19712198	-0.0477498206928262	511	-1.07639431560817	0.282262866679084	0.00228004537619705	0.479405761464717
THCA	RPH3A	cg20704159	-0.0083393094746325	511	-0.187779929836345	0.851124297981608	6.95440825136954e-05	0.92059624891931
THCA	RPH3A	cg21900624	-0.0150779508261634	511	-0.339543698671528	0.734340789154877	0.000227344601116201	0.850222609449398
THCA	RPH3A	cg23199238	-0.0292542663433044	509	-0.657689361473192	0.511037425237935	0.000855812099284992	0.693222993582449
THCA	RPH3A	cg23549179	0.018597580947951	511	0.418827852558629	0.675519319395481	0.000345870017115588	0.812417040137235
THCA	RPH3A	cg23596620	-0.0495666728695777	511	-1.11744949493399	0.264331422523734	0.00245685505935973	0.459887254189098
THCA	RTF1	cg04910470	0.185241590268011	510	4.24029324389623	2.65430270746148e-05	0.0343144467650215	0.000306408702810889
THCA	RTF1	cg07091958	0.0970677038207005	511	2.19601057568076	0.0285433767381904	0.00942213912502323	0.0951234078467361
THCA	RTF1	cg07129439	0.0851885760599306	511	1.92516050021749	0.0547683651461291	0.00725709349111859	0.154179320598201
THCA	RTF1	cg15581235	0.0199424665723514	511	0.449127067552072	0.653531912732372	0.000397701972989351	0.797779023648979
THCA	RTF1	cg18782716	0.115870381797114	511	2.62670664434	0.00888243006235217	0.013425945377809	0.0389486363663183
THCA	RTF1	cg22263512	0.0948069366225515	511	2.14439464897682	0.0324760147322995	0.00898835523175249	0.104730412135961
THCA	RTF1	cg24280607	0.169213536385443	511	3.86587189292896	0.000125084053677114	0.0286332208960675	0.00116746117237641
THCA	RTF1	cg27576415	0.168681721014536	510	3.84956352889657	0.00013348770957232	0.0284535230044258	0.0012328793634654
THCA	SATB1	cg01069104	0.0945846339491246	511	2.13932104359126	0.0328865904242126	0.0089462529792899	0.105674490518843
THCA	SATB1	cg01373248	0.197039359947327	511	4.52538594561568	7.51835725280982e-06	0.0388245093684525	0.000101754190000885
THCA	SATB1	cg04004754	0.0556627707864174	511	1.25528587459874	0.209953256858895	0.00309834405162124	0.395522549075697
THCA	SATB1	cg14415616	-0.20086259432591	511	-4.61684887721296	4.94392301356291e-06	0.0403457817993351	7.05443042767999e-05
THCA	SATB1	cg19818826	-0.211941585040562	510	-4.8783323799693	1.43546139325574e-06	0.0449192354695056	2.35194363156986e-05

THCA	SATB1	cg26131754	-0.0304781190311012	511	-0.686584422481112	0.492658534529357	0.000928915739673973	0.678094091209781
THCA	SATB1	cg26768584	0.190184628173732	511	4.36193525467323	1.56241833557132e-05	0.0361701927935806	0.000193330319703253
THCA	SCML2	cg00457389	-0.104409689622678	511	-2.36387761007839	0.0184608994314065	0.010901383287104	0.0684401072420337
THCA	SCML2	cg04189389	0.104331492637125	511	2.36208770820094	0.0185492730787108	0.0108850603558904	0.0686909511039886
THCA	SCML2	cg05049545	-0.0353059808306409	511	-0.7954687192864	0.426713151356263	0.00124651228241358	0.621189073459629
THCA	SCML2	cg06131666	0.134724222293222	511	3.06145040947196	0.00231952790746173	0.0181506160725134	0.0134020613512387
THCA	SCML2	cg08300622	-0.036581918594577	511	-0.824254349753468	0.410182641327154	0.00133823676806026	0.606078692426229
THCA	SCML2	cg17710066	0.123529009571658	511	2.80292850768923	0.00525802965557707	0.0152594162057547	0.0258071393707232
THCA	SCML2	cg17727916	-0.00996775680425571	511	-0.224451746502556	0.822496235053876	9.93561757087861e-05	0.904585595761027
THCA	SCML2	cg22823767	-0.0294537662110691	511	-0.663488312750019	0.507319430026766	0.000867524344016314	0.690116943056275
THCA	SCML2	cg26246138	-0.0789087669924548	511	-1.78231947080584	0.0752954768642876	0.00622659350826952	0.194441039906403
THCA	SCML4	cg00977377	0.0809226250339351	511	1.82810274506839	0.0681215890943743	0.00654847124238286	0.180769917519708
THCA	SCML4	cg03500965	-0.673059672003761	509	-20.4507526558575	3.63855216935107e-68	0.45300932207781	4.04367896374996e-65
THCA	SCML4	cg05603896	-0.764008963618721	511	-26.6627098123405	1.52222166651431e-98	0.583709696489752	4.22927544017194e-95
THCA	SCML4	cg08792995	-0.711560906550949	511	-22.8030436880817	9.65749696910698e-80	0.506318923731609	1.59850067918023e-76
THCA	SCML4	cg17388996	-0.701977309194985	511	-22.1934850588871	9.35427536955383e-77	0.492772142624631	1.37303112848881e-73
THCA	SCML4	cg23503775	-0.765403898973186	511	-26.780101222417	4.13071302339619e-99	0.585843128563355	1.19016551460031e-95
THCA	SCML4	cg27353361	-0.578269881686414	511	-15.9597693138727	9.3462310409131e-47	0.334396056065619	4.78342564208417e-44
THCA	SCML4	cg27659622	-0.620322433247612	511	-17.8079232673947	1.86596626031018e-55	0.384799921190238	1.38248551671019e-52
THCA	SETD1A	cg26692825	-0.037937522091584	511	-0.85484169443235	0.393042550889808	0.00143925558244942	0.589887334409584
THCA	SETD6	cg01152986	-0.0333551493777533	511	-0.751464717791381	0.45272169873226	0.00111256599001223	0.643176007728139
THCA	SETD6	cg01472538	0.00314602573347968	511	0.070838343921317	0.943554347390464	9.89747791571636e-06	0.969889291210307
THCA	SETD6	cg01773760	-0.0817709896117948	510	-1.84557348448658	0.0655381743161347	0.00668649474209225	0.175609710768759
THCA	SETD6	cg02549819	-0.0359000979356721	511	-0.80887172896238	0.418968337317643	0.00128881703179085	0.61438685830893
THCA	SETD6	cg05502081	-0.0207184982677435	511	-0.466611550224536	0.640978255039481	0.000429256170470492	0.789041432567589
THCA	SETD6	cg09132913	0.0493765179528406	511	1.11315207435855	0.266170601549486	0.00243804052514719	0.46198885654055
THCA	SETD6	cg19824325	-0.0781537685621366	511	-1.76516094210771	0.0781386693377196	0.00610801154046401	0.199506257069696
THCA	SETD6	cg26666090	-0.117372674075092	510	-2.65860948563379	0.00809485596577366	0.0137763446195378	0.0362560438137714
THCA	SETD7	cg05316864	-0.0686300297342649	511	-1.54897127520349	0.122012585162505	0.00471008098132608	0.273790522346705
THCA	SETDB1	cg02060408	-0.0959999403048321	511	-2.17162807604934	0.030346650832449	0.00921598853853132	0.0995356840736797
THCA	SETDB1	cg08531528	-0.0113348778756907	511	-0.255239993992237	0.798641250399865	0.000128479456456823	0.8900274906446
THCA	SETDB1	cg10589385	-0.0623996922364222	511	-1.40777610252524	0.159810201854614	0.00389372159120021	0.329515090330457
THCA	SETDB1	cg10961700	-0.112704618581847	511	-2.55400437836603	0.010940528789275	0.0127023310496797	0.0457412531108109
THCA	SETDB1	cg12082615	-0.0519845816095456	511	-1.17210399167259	0.241705778438798	0.00270239672511951	0.434012540372312
THCA	SETDB1	cg15448220	-0.12297026555293	511	-2.79005524820087	0.00546836064540261	0.0151216862101581	0.0266377988759205
THCA	SETDB1	cg16370685	-0.098502528758671	509	-2.22438666058929	0.0265637300813959	0.0097027481718528	0.0901574459208636
THCA	SETDB1	cg17899625	0.0552780038400089	511	1.24658206669627	0.213126404953263	0.00305565770853603	0.399536255890264
THCA	SETDB1	cg17918089	-0.0277001057071813	511	-0.623953300305294	0.532938886252858	0.00076729585618902	0.710101843130624
THCA	SETDB1	cg19689029	-0.0647807471594025	511	-1.46171639463629	0.14443845477244	0.00419654520253043	0.307755064242754
THCA	SETDB1	cg26820223	-0.0166476650486388	511	-0.374901776621063	0.707890288075658	0.000277144751571669	0.833510967716594
THCA	SETMAR	cg00300090	0.0426508578524178	511	0.961229568467553	0.336894948473863	0.00181909567554715	0.53649192719725
THCA	SETMAR	cg02520519	-0.0484384722144569	511	-1.09195440464801	0.275371758215339	0.00234628559047071	0.471828858046773
THCA	SETMAR	cg06021447	-0.0413701701614637	511	-0.932316243366852	0.351616870527037	0.00171149097918846	0.550597480390104
THCA	SETMAR	cg06267913	0.0390301837297299	511	0.879499546671261	0.379547138375894	0.00152335524197647	0.578044050172558
THCA	SETMAR	cg14751177	0.112484041046326	511	2.54894174239982	0.0110985450018241	0.0126526594901116	0.0462478016964971
THCA	SETMAR	cg14961031	-0.0802389879050826	511	-1.81255836433004	0.0704913042208667	0.006438295180032	0.185329684706442
THCA	SETMAR	cg15232450	-0.0132588064199524	511	-0.298570287648833	0.765390268551006	0.000175795947681771	0.869910595813651
THCA	SETMAR	cg15384599	-0.091034669835181	511	-2.05834356537352	0.0400676458128656	0.00828731111200041	0.12263505557583
THCA	SETMAR	cg16423812	0.00611126998800401	511	0.137607961222894	0.890604894593134	3.73476208662785e-05	0.942110076963575
THCA	SETMAR	cg21901604	-0.0100196299122033	511	-0.225619930665906	0.821587955615541	0.000100392983577519	0.904204699928634
THCA	SETMAR	cg22149154	-0.0303460609131076	511	-0.683606784616483	0.494535795124811	0.000920883412942037	0.679655819202182
THCA	SETMAR	cg23182840	0.0314237800775816	511	0.707908187277289	0.479327575575938	0.000987453954364216	0.666689154977796
THCA	SETMAR	cg23549342	-0.0662141479466217	511	-1.49420060949368	0.135745284185679	0.0043843133882971	0.29481207811113
THCA	SETMAR	cg24390964	0.0487904443954613	511	1.09990782145857	0.271894262785068	0.0023805074643066	0.468238600028813
THCA	SETMAR	cg26797270	-0.0138250032847485	511	-0.311322658434911	0.755683310201175	0.000191130715823305	0.863723718228556
THCA	SETMAR	cg27265118	0.080788719821836	511	1.8250578359395	0.0685805341118864	0.00652681725045112	0.181619300148215
THCA	SFMBT2	cg09060610	-0.0250928998240734	511	-0.565186270068114	0.57219707793744	0.000629653621580981	0.739848558113533

THCA	SFMBT2	cg12328063	-0.00955697126951279	511	-0.215200905455609	0.829697223595563	9.1335699846293e-05	0.908553613529929
THCA	SFMBT2	cg20299663	-0.0202286891442376	510	-0.455126238586868	0.649213636463115	0.000409199864494196	0.794782374964481
THCA	SFMBT2	cg25291138	-0.0467469831081081	511	-1.05373793410962	0.292504829206593	0.00218528042970974	0.490205788521859
THCA	SHPRH	cg00571935	0.0309529118467757	511	0.697290318449823	0.485940739102178	0.000958082751794265	0.67250055783742
THCA	SHPRH	cg02758840	0.0541994953517836	511	1.22218809719716	0.222204400608494	0.00293758529638802	0.410724668922403
THCA	SHPRH	cg06708562	-0.0087650254681169	511	-0.197366684285017	0.843619698281054	7.68256714567379e-05	0.916446277273032
THCA	SHPRH	cg11387577	0.0380442924317301	511	0.857251020155986	0.391711196048868	0.001447368186631	0.588754990251278
THCA	SHPRH	cg11675148	-0.00693525209586676	511	-0.156162472488142	0.875967115960708	4.80977216332243e-05	0.934378530721542
THCA	SHPRH	cg12989205	0.106169516540586	511	2.40417122782795	0.0165669375658918	0.0112719662424618	0.0629577617605875
THCA	SHPRH	cg14102550	0.0378522870006969	511	0.852918343347371	0.394107335293191	0.00143279563118313	0.590826833457922
THCA	SHPRH	cg15443174	0.056443294082893	511	1.27294380895785	0.203621368632559	0.00318584544692795	0.387488276697683
THCA	SHPRH	cg16339435	0.119032725185303	511	2.69941138133229	0.00717819033273934	0.0141687896650398	0.0330621751773312
THCA	SHPRH	cg18099523	-0.069472039999933	511	-1.568066946838	0.117489391584207	0.00482636434175229	0.266907187504433
THCA	SHPRH	cg26814539	0.0321304630678357	511	0.723844461480375	0.469495076472444	0.00103236665695355	0.658289926267457
THCA	SHPRH	cg27398948	0.159726317369559	511	3.64327808358865	0.00029690657783455	0.025512496460441	0.00242366739937681
THCA	SIN3A	cg01088093	0.0661434910898377	511	1.49259914380875	0.136164136961349	0.00437496141355144	0.295490303566991
THCA	SIN3A	cg01664094	0.137967408679965	511	3.13656095687083	0.00180871471125722	0.0190350058578645	0.0109516774787939
THCA	SIN3A	cg02028562	0.113778275596257	511	2.57865213987967	0.0101995092073903	0.0129454959976579	0.0432730839646783
THCA	SIN3A	cg07544511	0.155987037059227	511	3.55583372565027	0.000412086064387413	0.0243319557305166	0.00318403378529661
THCA	SIN3A	cg10483776	0.131891284267032	511	2.99592309337795	0.00287007727657784	0.0173953108656072	0.0158971015773654
THCA	SIN3A	cg11184237	0.0691743182688091	511	1.56131463171123	0.119073485486105	0.0047850863079545	0.269306516136081
THCA	SIN3A	cg15851274	-0.0134650741432055	510	-0.302916814916415	0.762077747889116	0.000181308221682022	0.867801155300336
THCA	SIN3A	cg22059910	0.131019371388771	511	2.97577041568862	0.00306204378500164	0.0171660756791086	0.0167281344248889
THCA	SIN3A	cg25697800	0.203798018898689	510	4.68259694352931	3.64351699023356e-06	0.0415336325070304	5.38048141112813e-05
THCA	SIN3B	cg06815056	-0.154534173263423	511	-3.52190054263807	0.000467149765500128	0.0238808107062097	0.00354274213855693
THCA	SIRT1	cg02720207	-0.0497228264413648	510	-1.11987254335825	0.263299354218811	0.00247235946931808	0.458707169841407
THCA	SIRT1	cg03211233	0.022798947974984	511	0.513489642531393	0.607832544873645	0.000519792028766026	0.765686330006807
THCA	SIRT1	cg07832903	-0.118534863590563	510	-2.6853075331516	0.00748422007713947	0.0140505138864335	0.0341176485300045
THCA	SIRT1	cg10582690	-0.101130641323734	511	-2.288858943027	0.0224979272979806	0.0102274066145498	0.079553504602825
THCA	SIRT1	cg10705386	0.020579363482389	511	0.463476694753585	0.643221615853506	0.000423510201340287	0.790624049577421
THCA	SIRT1	cg19192316	-0.041962164969919	511	-0.945680777607177	0.344761898654815	0.0017608232889627	0.54399288403188
THCA	SIRT1	cg19681528	0.0478394630701381	511	1.07841969857955	0.281359302913908	0.00228861422683911	0.478553185772979
THCA	SIRT1	cg19980381	-0.0148026028356761	511	-0.333341704969921	0.739014170125158	0.000219117050710766	0.853018352990141
THCA	SIRT1	cg25513531	-0.0374970239692386	511	-0.844901944741089	0.398564110737022	0.00140602680654965	0.595157042261088
THCA	SIRT4	cg04118464	0.00922874942460984	510	0.207604425895911	0.835621374361503	8.51698159422365e-05	0.91193436391166
THCA	SIRT4	cg07106325	-0.0254776004503662	511	-0.573856757430007	0.566319215634157	0.000649108124708502	0.735373678201362
THCA	SIRT4	cg08264848	-0.00716735313484995	510	-0.161229763304821	0.871976792591292	5.13709509596434e-05	0.932108003827762
THCA	SIRT4	cg12124973	0.00227110669644213	511	0.0511378703222558	0.959235799957544	5.15792562662429e-06	0.978679583446926
THCA	SIRT4	cg20010714	0.0121300909842467	511	0.273149236713614	0.784849726278808	0.000147139107286103	0.881135940672079
THCA	SIRT4	cg21068152	0.0386962672263333	511	0.8719637960369	0.383640859832432	0.00149740109725179	0.581886470068321
THCA	SIRT4	cg21123573	-0.0524615486703193	510	-1.18172065059231	0.237871629553618	0.00275221408888828	0.429419756097142
THCA	SIRT5	cg01064902	-0.114203963494053	511	-2.58842711337192	0.00991826665059927	0.013042545277751	0.0423341180630264
THCA	SIRT5	cg02206980	0.016552176377197	511	0.372750801608043	0.709489699020274	0.000273974542821838	0.834515817378297
THCA	SIRT5	cg02712746	-0.00371790352057153	511	-0.0837153499310429	0.933315795590267	1.38228065882782e-05	0.964548243137153
THCA	SIRT5	cg06139021	-0.0397596032491625	511	-0.895861948004918	0.370698278111093	0.00158082605053081	0.56936035236672
THCA	SIRT5	cg07534331	-0.0566491686978267	511	-1.2776017403626	0.201974579586398	0.00320912831415483	0.385400928262754
THCA	SIRT5	cg07909422	0.0598698346623645	511	1.35049126243985	0.177460938341921	0.00358439710249886	0.35375775111778
THCA	SIRT5	cg08619119	-0.0605533978724086	511	-1.36596690676433	0.172554950877983	0.00366671399389422	0.347189629852106
THCA	SIRT5	cg10907941	-0.0112381441749149	511	-0.253061457833496	0.80032329587054	0.000126295884496173	0.890910417293649
THCA	SIRT5	cg11824369	-0.0317578486250385	511	-0.715441569877731	0.474665572747113	0.00100856094929086	0.662566094277775
THCA	SIRT5	cg19366958	-0.00359106095778201	511	-0.0808592217859943	0.935585818380535	1.28957188025062e-05	0.965662697258831
THCA	SIRT5	cg20150972	0.0343954358336896	511	0.774928875270871	0.438742946709463	0.00118304600618946	0.631456943889794
THCA	SIRT7	cg11691214	0.00701476723604816	510	0.157797169476795	0.87467957886837	4.92069593759347e-05	0.933658696149718
THCA	SIRT7	cg12710567	0.110499180129343	507	2.49350791287732	0.0129689943301211	0.0122100688092569	0.0522372343852872
THCA	SIRT7	cg17552093	-0.0466253761907092	511	-1.05099077577011	0.293763504955224	0.00217392570492515	0.49149489439075
THCA	SIRT7	cg20397086	0.0856137485988716	511	1.93483966325589	0.0535658688105054	0.00732971394915079	0.151726011891015
THCA	SMARCA	cg03460558	-0.00339711266772709	511	-0.0764920739888717	0.939057794308303	1.15403744772318e-05	0.967423649575836

THCA	SMARCA	cg06675660	0.0403535354430426	511	0.909367569781438	0.363588218547654	0.0016284078227529	0.562504611281843
THCA	SMARCA	cg08617833	0.0130184029784436	511	0.293155802998759	0.769523014762679	0.000169478816109149	0.872249734226502
THCA	SMARCA	cg12935118	0.00104797530759143	511	0.0235969171694249	0.981183415332135	1.09825224532135e-06	0.990310762125512
THCA	SMARCA	cg17420696	-0.0128124824077133	511	-0.288517999002978	0.773068172915264	0.000164159705447963	0.874191362932774
THCA	SMARCA	cg18959966	0.0643659767453665	511	1.45231843084645	0.147031647170225	0.00414297896238507	0.311538402407629
THCA	SMARCA	cg24447042	-0.147585535919352	511	-3.35992697307526	0.000838382720800859	0.0217814904126023	0.0057928009043416
THCA	SMARCA	cg26010110	0.026863166864966	511	0.60508717205927	0.545391803824036	0.000721629734015008	0.719268495061489
THCA	SMARCA	cg27353825	0.0505082045320126	511	1.13872951569171	0.25535375392316	0.00255107872504762	0.449657448232277
THCA	SMARCA	cg04518912	0.00415334936707268	511	0.0935203642607621	0.925527117021714	1.7250310964963e-05	0.960794384964354
THCA	SMARCA	cg13529335	-0.038992269254711	511	-0.878643886740291	0.380010606526922	0.00152039706163188	0.578432830949271
THCA	SMARCA	cg14290704	-0.144833589445738	511	-3.29592085953294	0.00104970364633149	0.0209767686317365	0.00699089508284495
THCA	SMARCA	cg21210735	0.0386906465260326	511	0.871836951879626	0.38370999787878	0.00149696612860239	0.581911916388518
THCA	SMARCA	cg08405378	-0.116222363465497	511	-2.63479492939339	0.00867638290815591	0.013507637769506	0.0382217102000649
THCA	SMARCA	cg17218495	0.011828637019334	511	0.266360038677597	0.790070228788839	0.00013991665373516	0.884572102217793
THCA	SMARCA	cg17747332	0.0327187917295338	511	0.737112577572791	0.461394858853254	0.00107051933224061	0.650992104206433
THCA	SMARCA	cg18522266	0.00655950459316994	511	0.147701315575929	0.882637212912193	4.30271005078176e-05	0.937680628107672
THCA	SMARCA	cg23892580	0.00173260244104777	511	0.0390124794998077	0.96889579569716	3.00191121872471e-06	0.983665109397685
THCA	SMARCA	cg01278696	0.0522013734380273	511	1.17700535725533	0.239745633247859	0.00272498338881638	0.43167087425089
THCA	SMARCA	cg01575392	-0.0470484005591269	511	-1.06054730095965	0.289400636455988	0.00221355199517205	0.486918784127039
THCA	SMARCA	cg02782292	-0.0957552663737096	511	-2.16604198815849	0.030773340894579	0.00916907103830007	0.100549425912591
THCA	SMARCA	cg05358385	0.0280628119329194	511	0.632129765811609	0.527587029331396	0.000787521413582402	0.706178688227919
THCA	SMARCA	cg10878459	0.0425325431183901	511	0.958558250193111	0.338238208782047	0.00180901722411771	0.537662769411158
THCA	SMARCA	cg12253543	0.0579488767116256	511	1.30701154826376	0.191801267821521	0.00335807231213918	0.372286373115718
THCA	SMARCA	cg13848802	0.0526620642080921	506	1.1815518549983	0.237942993424188	0.00277329300665722	0.429518684574932
THCA	SMARCA	cg13898584	0.0508921016882622	511	1.14740703469232	0.251754584455866	0.00259000601424842	0.445548971566751
THCA	SMARCA	cg16091845	0.0858329436750539	511	1.93983011162427	0.0529545671558331	0.00736729421992498	0.150436298470672
THCA	SMARCA	cg16587443	-0.0285809245438737	510	-0.643174748220497	0.520402074120188	0.000816869247782603	0.700708926788041
THCA	SMARCA	cg19993723	0.0099961497643347	511	0.225091156708548	0.821999055087076	9.99230101110088e-05	0.904401245883574
THCA	SMARCA	cg20045045	0.0437031074226227	511	0.984989127843342	0.325099224942805	0.0019099615983933	0.52455239360353
THCA	SMARCA	cg22077701	0.00435799509918536	511	0.0981284279399547	0.921869096192999	1.89921212845237e-05	0.959045279896789
THCA	SMARCA	cg24607315	-0.072246056090146	511	-1.6310019874857	0.1035108943924	0.00521949262058053	0.244075124829121
THCA	SMARCB	cg01745726	-0.0367494269502127	510	-0.827216692909917	0.408504183231995	0.00135052038116902	0.604488595266489
THCA	SMARCB	cg01912455	-0.127118922895892	511	-2.88570395138967	0.0040718111681317	0.0161592205582118	0.0210459423303194
THCA	SMARCB	cg03979008	0.104972460859195	511	2.3767605580159	0.0178356557096031	0.0110192175388351	0.0666814206205719
THCA	SMARCB	cg10122452	-0.0532653969071837	511	-1.20106389947075	0.23028721160703	0.00283720250767981	0.420489692283942
THCA	SMARCB	cg16142952	-0.0733821998630673	511	-1.65678896313178	0.0981808142236211	0.00538494725674315	0.234953804039387
THCA	SMARCB	cg19906397	-0.0459849552747002	511	-1.03652413124704	0.300451795649619	0.00211461611161618	0.498748442104098
THCA	SMARCC	cg02564102	0.143019662923091	511	3.25377449347934	0.00121478878630234	0.0204546239826346	0.00789897014724209
THCA	SMARCC	cg02627110	0.0423786441696584	511	0.955083569487396	0.33999059027547	0.00179594948165852	0.539242280869486
THCA	SMARCC	cg05592996	-0.00252391827304943	510	-0.0567743184750506	0.954747383342325	6.37016344903279e-06	0.975963840054141
THCA	SMARCC	cg07143957	0.0386519781224916	511	0.870964311785807	0.384185848964003	0.00149397541278157	0.582349751262726
THCA	SMARCC	cg07304068	0.102190925543123	510	2.3108256530926	0.021243637356168	0.0104429852633601	0.0762457912104144
THCA	SMARCC	cg07474652	0.0613263970467437	511	1.38346967678826	0.167129736793808	0.00376092697473486	0.339833522677997
THCA	SMARCC	cg12894336	0.0616655387210919	511	1.3911495386519	0.164790246997499	0.00380263866576249	0.336554369140307
THCA	SMARCC	cg16250355	0.185408432939138	511	4.24844012383346	2.5619596089509e-05	0.034376287004947	0.000297381506742355
THCA	SMARCC	cg20685352	0.0664502015053379	511	1.49955102087422	0.134353153631126	0.00441562928010001	0.292673295913818
THCA	SMARCC	cg22984439	0.00655905421411945	511	0.147691173889255	0.882645212911906	4.30211921837581e-05	0.937680628107672
THCA	SMARCD	cg02553054	-0.0335518829511678	511	-0.755901947616783	0.450059039620435	0.00112572884956887	0.641055605101657
THCA	SMARCD	cg04550398	0.0139292395451478	511	0.31367038906206	0.753900401948074	0.00019402371430611	0.862501430114082
THCA	SMARCD	cg09878554	0.0731985373435341	511	1.65261995102746	0.0990273210198691	0.00535802586923275	0.236593821179316
THCA	SMARCD	cg13349421	0.00223387489099736	511	0.0502995280189118	0.959903509517539	4.99019702862846e-06	0.979061311921597
THCA	SMARCD	cg17846064	0.0101532145256799	511	0.228628269134498	0.819250037407894	0.000103087765204478	0.902758790196148
THCA	SMARCD	cg18591973	0.0840662670874527	511	1.89961592009794	0.0580507429985539	0.00706713726201893	0.16070028826523
THCA	SMARCD	cg20405918	0.0271904815617052	511	0.612465288593873	0.540504549749936	0.000739322287557429	0.715783925903012
THCA	SMARCD	cg22402853	0.0461009721484377	511	1.0391447728528	0.299232717781476	0.00212529963303103	0.497542267020586
THCA	SMARCD	cg25107077	-0.00730392207568394	511	-0.16446432060531	0.869431179140007	5.33472776876633e-05	0.930709615120235
THCA	SMARCD	cg00945038	-0.0142198927847315	511	-0.320216874576866	0.748935857346111	0.00020220535080926	0.859338560384637

THCA	SMARCD	cg02127607	-0.0246466903006952	511	-0.555129792913045	0.579050720360497	0.000607459342778381	0.745139639059855
THCA	SMARCD	cg02360836	-0.0470690023471042	511	-1.06101272962155	0.289189276588675	0.0022154909819517	0.486720149884811
THCA	SMARCD	cg04367190	0.0603620567320503	511	1.36163481337353	0.173917914514475	0.00364357789292326	0.349031183665768
THCA	SMARCD	cg06420487	-0.0705056567489077	511	-1.59151260702418	0.112117536119954	0.00497104763359479	0.258408781587287
THCA	SMARCD	cg07362569	0.0370007971573517	511	0.833705279078761	0.404839685071861	0.00136905899027949	0.60129597374408
THCA	SMARCD	cg11697258	-0.0542033654694764	511	-1.22227562474692	0.222171339058955	0.00293800482821763	0.410683073559519
THCA	SMARCD	cg12577610	-0.129240870497208	511	-2.93468533519778	0.00349024894347081	0.0167032026068761	0.0186023860172902
THCA	SMARCD	cg15868002	-0.088051545904916	511	-1.9903574739703	0.0470880698380087	0.00775307473624553	0.138092106343652
THCA	SMARCD	cg19016967	-0.0250410245010883	511	-0.564017109237087	0.5729918897092	0.000627052908064106	0.740500505124587
THCA	SMARCD	cg19143629	0.0065342134833282	511	0.147131807627511	0.883086472675469	4.26959458457081e-05	0.937893581467281
THCA	SMARCD	cg21254277	-0.0673785139544436	511	-1.52059469668766	0.128984958177325	0.00453986414270916	0.284530591403812
THCA	SMARCD	cg23682543	-0.0208555033976815	511	-0.469698448783536	0.638772422169867	0.000434952021970705	0.78763471509855
THCA	SMARCD	cg24795630	-0.0957906636992347	511	-2.16685011089565	0.0307112950381154	0.00917585125193988	0.100422617216391
THCA	SMARCD	cg25945412	-0.0207701815656927	511	-0.467776037083734	0.640145762245155	0.000431400442271842	0.78855680899529
THCA	SMARCD	cg00864064	-0.0566902908745986	511	-1.27853215282699	0.201646806831354	0.00321378907944659	0.384983230437537
THCA	SMARCD	cg02917064	0.0484860121859827	511	1.09302862818867	0.274900302227997	0.00235089337769926	0.471388814951103
THCA	SMARCD	cg14795305	0.0147677314796503	511	0.332556260950655	0.739606719349848	0.000218085893055054	0.853309680327194
THCA	SMARCD	cg19786287	-0.0206723857358551	511	-0.465572582583665	0.641721396578165	0.000427347532011985	0.789593899966813
THCA	SMARCD	cg19902439	-0.0760091587614381	511	-1.71643787222691	0.0866927417741204	0.00577739221562151	0.215103906072529
THCA	SMARCD	cg22750243	-0.0771833254127056	511	-1.74311057667743	0.0819205254689076	0.0059572657217636	0.206430595955176
THCA	SMARCD	cg22787816	-0.00829625286980536	511	-0.186810338262262	0.851884068712243	6.88278116797537e-05	0.921038306135953
THCA	SMNDC1	cg03999743	0.0288784056118054	511	0.650516564621983	0.515653280229908	0.000833962310679956	0.696921338859426
THCA	SMNDC1	cg08770590	-0.0275746976920753	511	-0.621126292205068	0.534795674708805	0.000760363952809342	0.711439544353106
THCA	SMNDC1	cg11559952	-0.0388454720656589	511	-0.875330980131675	0.381808330440833	0.00150897070000389	0.580272281210349
THCA	SMNDC1	cg12486840	-0.0727675972252444	511	-1.64283857142738	0.101036343950857	0.00529512320593539	0.240000651643145
THCA	SMNDC1	cg17981675	-0.0242475180382283	511	-0.5461337027071	0.585214264721269	0.000587942131014208	0.749735001724658
THCA	SMNDC1	cg18209001	0.0455323701706226	511	1.02630133507811	0.305238964150733	0.0020731967333546	0.503793138794072
THCA	SMNDC1	cg21872391	-0.0283935274392841	511	-0.639585284082925	0.522731135284094	0.000806192400445379	0.702458903753512
THCA	SMNDC1	cg23721301	-0.00142817420324767	511	-0.032157746462892	0.974358907538278	2.03968155482211e-06	0.986610049110127
THCA	SMNDC1	cg26944434	-0.0189758666070208	511	-0.427350093842298	0.669305786811527	0.000360083513487448	0.808277037919501
THCA	SMYD1	cg00578637	-0.025960377024504	511	-0.584738068611144	0.558983969680434	0.000673941175254395	0.729866875434795
THCA	SMYD1	cg00666842	-0.0030810147211918	511	-0.0693744917423595	0.944718885588349	9.4926517122006e-06	0.970441305992975
THCA	SMYD1	cg03704645	0.0190695837330357	511	0.429461436478866	0.667769897827842	0.000363649023751258	0.807305455206364
THCA	SMYD1	cg14559139	0.00932657572884437	511	0.210012473466661	0.833742304850205	8.69850148258689e-05	0.910811347482481
THCA	SMYD1	cg16090764	0.004228513616909	511	0.095212856747113	0.924183377456544	1.78803274083848e-05	0.960116350285809
THCA	SMYD1	cg18148488	0.0351614705625068	511	0.792208762074352	0.428609469243733	0.00123632901211803	0.622760969170299
THCA	SMYD1	cg19074493	0.0266337184590229	511	0.599915210513322	0.54883076727756	0.000709354958954499	0.721931328682141
THCA	SMYD2	cg01770831	-0.0884046905957857	511	-1.99840287063584	0.0462065424294046	0.00781538931933659	0.136205212449437
THCA	SMYD2	cg04406444	0.00353123237636354	511	0.0795120563029172	0.936656715824707	1.24696020958781e-05	0.966191160375348
THCA	SMYD2	cg11523160	0.0123057438844647	511	0.277105239228877	0.781812241859432	0.000151431332550041	0.879452572309566
THCA	SMYD2	cg14013804	0.0157238113421172	511	0.354091496916965	0.723417526025416	0.000247238243122493	0.84326516211296
THCA	SMYD2	cg27570636	-0.0453327852409339	511	-1.02179339878173	0.307365994806212	0.00205506141770063	0.505892087940495
THCA	SMYD5	cg01329511	0.0671437558231543	511	1.51527265251434	0.130326548899673	0.00450828394603936	0.28670145477197
THCA	SMYD5	cg05103132	0.0179288175318231	511	0.403761995849721	0.686557986253879	0.000321442498089408	0.819595504253566
THCA	SMYD5	cg06754047	0.0810624250035484	511	1.83128180309994	0.0676451302455551	0.0065711167474559	0.179836579337993
THCA	SMYD5	cg08834152	-0.054082328458881	511	-1.21953824757433	0.223206994667489	0.00292489825153429	0.411971557353831
THCA	SMYD5	cg15623359	0.0289024054640163	511	0.651057638420254	0.515304242440053	0.000835349041606402	0.696682509083134
THCA	SMYD5	cg17895873	-0.010918179652904	511	-0.245855598752439	0.805893511353987	0.000119206646933086	0.894678194797957
THCA	SMYD5	cg20402064	0.0108340009339757	511	0.243959838753111	0.807360611779989	0.000117375576237387	0.895706156968847
THCA	SMYD5	cg25886337	0.0407954977481116	511	0.919343710513076	0.358353000258431	0.00166427263651618	0.557324825653719
THCA	SMYD5	cg26467949	0.0656753720695439	511	1.4819896090181	0.138964309679598	0.00431325449647303	0.299669840809831
THCA	SP100	cg05876232	0.0578642086336603	511	1.30509547661456	0.192452334630297	0.00334826664079976	0.373134206964145
THCA	SP100	cg09456094	-0.392011715560567	511	-9.59475689768894	3.82166672101317e-20	0.153673185136739	5.1885295095026e-18
THCA	SP100	cg11702456	-0.259317135166914	511	-6.04576816628946	2.88606666724632e-09	0.0672453765911753	8.74634477256564e-08
THCA	SP100	cg11827097	-0.271082035094971	511	-6.34130438108735	5.04660484048492e-10	0.073485469751231	1.75500928458062e-08
THCA	SP100	cg23539753	-0.418827423568327	511	-10.3853645595141	4.88379589334944e-23	0.175416410732883	8.42416890747731e-21
THCA	SP100	cg27140170	-0.0613340419909515	511	-1.38364279121027	0.167076727223976	0.00376186470694781	0.339770139532128

THCA	SP140L	cg04002454	-0.495240954793449	511	-12.8357983240377	7.46320215498675e-33	0.245263603304727	2.27683273900015e-30
THCA	SP140L	cg05217331	-0.068855161943328	511	-1.55407664645738	0.120790110847507	0.00474103332624193	0.271872982185312
THCA	SP140L	cg13278004	-0.578324801408264	511	-15.9620467151703	9.12197326020969e-47	0.334459575923908	4.6995681311573e-44
THCA	SP140L	cg24044052	-0.358654169274493	511	-8.65125797548172	6.76006411190275e-17	0.128632813137977	6.63168256647368e-15
THCA	SP140L	cg25095994	-0.621430245956253	511	-17.8597047658348	1.05604906291954e-55	0.386175550589249	7.97614376706432e-53
THCA	SP140L	cg26847438	-0.557031770109624	511	-15.1025025822086	8.02276541074481e-43	0.310284392911461	3.54615347933797e-40
THCA	SSRP1	cg01511567	0.0196209778296203	511	0.441883963480586	0.658761591173646	0.000384982770990451	0.801459099882123
THCA	SSRP1	cg01766191	-0.0837344097250706	511	-1.89206400096049	0.0590519705329698	0.00701145137200599	0.162742277017212
THCA	SSRP1	cg02688348	0.135381595129145	511	3.07666664728411	0.00220641778943127	0.0183281762997116	0.0128564201566187
THCA	SSRP1	cg04937561	0.0533644944849332	511	1.20330479375236	0.2294199617914	0.00284776927163247	0.419454518928562
THCA	SSRP1	cg08821673	-0.0918886097461873	511	-2.07781525843004	0.0382290141587526	0.00844351660108712	0.118400665955331
THCA	SSRP1	cg09381635	-0.0417443129760035	510	-0.939834329377238	0.347750970591354	0.00174258766583853	0.547065559972171
THCA	SSRP1	cg11948159	0.125955002880225	511	2.85885407867754	0.00442679837179988	0.0158646627505576	0.0225137594284896
THCA	SSRP1	cg12795368	0.095371731446701	511	2.15728639739733	0.0314525253280856	0.00909576715914166	0.102270334602846
THCA	SSRP1	cg12911972	-0.0123183922759903	511	-0.277390103536859	0.781593646470765	0.000151742788265178	0.879321110278629
THCA	SSRP1	cg16313264	0.0531556358980061	511	1.1985819144662	0.231250491820269	0.00282552162772139	0.421723961757841
THCA	SSRP1	cg22636253	-0.0108101138540454	511	-0.243421886981863	0.80777704870513	0.000116858561537423	0.895899856390848
THCA	SSRP1	cg26706201	-0.0314594272382307	511	-0.708712033990315	0.478828926781729	0.000989695562157534	0.666284312752864
THCA	STK31	cg00755064	0.0711545373131237	511	1.60623387487342	0.108845141848612	0.00506296818024471	0.253002837485685
THCA	STK31	cg05000488	0.0264882606550838	510	0.596047828163179	0.551409805048738	0.000701627952531659	0.72385505431838
THCA	STK31	cg05407490	-0.02825312886477	511	-0.636420169167628	0.524789807701509	0.000798239290649299	0.703869224635007
THCA	STK31	cg11755819	9.59039871137313e-05	511	0.00215943752821317	0.998277868863889	9.19757474431073e-09	0.999036231260181
THCA	STK31	cg13313214	0.0118577054874658	511	0.267014701236116	0.789566414995786	0.000140605179427476	0.884160724448794
THCA	STK31	cg13514718	0.0216401574945826	511	0.487378211535746	0.626200992581623	0.00046829641639034	0.778839300102606
THCA	STK31	cg13802883	0.0353382821857564	511	0.796197401221096	0.42628994869757	0.00124879418784015	0.620875072903203
THCA	STK31	cg14898779	0.0523987587175592	511	1.18146811251812	0.237970696373302	0.00274562991514098	0.429548757567976
THCA	STK31	cg17102984	-0.171909916442997	511	-3.92933450833776	9.69962908729518e-05	0.0295530193714382	0.00093910758583328
THCA	STK31	cg17331904	-0.0407716122798655	511	-0.918804544903302	0.358634718886423	0.00166232436789968	0.557602264835623
THCA	STK31	cg21519371	-0.011582543828574	511	-0.260817702723975	0.794338994569793	0.000134155321540838	0.887422921899683
THCA	STK31	cg25570411	0.00202179416922478	511	0.0455241459495904	0.963707454011637	4.08765166271134e-06	0.980933420081546
THCA	STK31	cg25612145	0.0276145063598452	511	0.622023675251884	0.53420591611297	0.00076256096149793	0.711033005435611
THCA	SUV39H	cg05903800	0.0412697337785754	510	0.929131286591847	0.353264071148212	0.00170319092615449	0.552298582184207
THCA	SUZ12	cg00160853	-0.00249445016555607	511	-0.0561668622512816	0.955231006822184	6.2222816284427e-06	0.97616765297903
THCA	SUZ12	cg01109633	0.0725577770593471	511	1.6380764567943	0.102026166140887	0.00526463101179391	0.241684437047817
THCA	SUZ12	cg07482957	-0.0273107290038483	511	-0.615175878176117	0.538714591661699	0.000745875918721639	0.714374208535416
THCA	SUZ12	cg08177746	-0.0139079105743398	511	-0.31318999227578	0.75426511707915	0.000193429976543832	0.862673123556344
THCA	SUZ12	cg17335595	-0.0402269826569069	511	-0.906511071025644	0.365096027639918	0.00161821013367909	0.564076730466756
THCA	SUZ12	cg25098644	0.026924294484564	511	0.606465056526577	0.544477427371255	0.000724917633491526	0.718633038648283
THCA	TAF3	cg00194465	0.0113135076663488	511	0.254758715669867	0.79901276453194	0.000127995455716533	0.890253276914179
THCA	TAF3	cg02334915	0.0709010245248329	511	1.6004821426177	0.110114560794742	0.00502695527867095	0.255198621934227
THCA	TAF3	cg03672997	-0.0302250759396825	511	-0.680878854750225	0.496258987718145	0.000913555215559573	0.681049495299463
THCA	TAF3	cg04179819	0.0317168375638435	511	0.714516740774271	0.475236551381615	0.00100595778505124	0.663035870495621
THCA	TAF3	cg04234156	0.0038609113782931	511	0.0869354786796297	0.930757121739543	1.49066366710332e-05	0.963372900695398
THCA	TAF3	cg05976695	0.00700741806252976	511	0.157787527523974	0.874687048793854	4.91039079030683e-05	0.933658696149718
THCA	TAF3	cg07855525	-0.00503620414234427	511	-0.113399936984166	0.909758377998307	2.53633521633656e-05	0.952078982700176
THCA	TAF3	cg09871669	0.000497109828917343	511	0.0111932546311757	0.991073664428642	2.4711818200623e-07	0.995218501627167
THCA	TAF3	cg09994553	-0.0696387828534441	506	-1.56407891278148	0.11842917931904	0.00484956007730914	0.268339187547283
THCA	TAF3	cg11104088	0.0127598658611609	511	0.287332959492631	0.77397478801186	0.00016281417679482	0.874772550611574
THCA	TAF3	cg12176426	-0.0836021868353597	511	-1.88905524471841	0.0594548543007977	0.0069893256436544	0.163609159373055
THCA	TAF3	cg12590721	0.0284472850799787	511	0.640797194657231	0.521943980233996	0.00080924802842158	0.701813295048457
THCA	TAF3	cg12777293	0.166479439301426	511	3.8016128023043	0.000161247787463732	0.0277154037101173	0.00144800997090541
THCA	TAF3	cg27268107	0.0167214626861302	511	0.376564147065604	0.706655075595152	0.000279607314363645	0.832719572828109
THCA	TCEA1	cg01677098	-0.00913096830982783	511	-0.205607484851745	0.837180058639526	8.33745822750801e-05	0.912867031310317
THCA	TCEA1	cg06047473	-0.01582745165744	510	-0.356074323714218	0.721933315002897	0.0002505082259686	0.842452265916679
THCA	TCEA1	cg11530293	-0.0390337016531317	511	-0.879578939921577	0.379504152709143	0.0015236298647457	0.578012531195158
THCA	TCEA1	cg11787876	-0.0606051701281853	511	-1.36713909176169	0.172187538821922	0.00367298664626629	0.346611742356585
THCA	TCEA1	cg12850379	-0.133770585095007	511	-3.03938383994179	0.00249304243548453	0.0178945694366606	0.0142062513350486

THCA	TCEA1	cg23569945	0.0844105948487904	511	1.9074522950763	0.0570268007126393	0.00712514852272663	0.158671365953225
THCA	TCEA1	cg26181865	-0.0152579251097229	511	-0.34359751741972	0.731291432279971	0.000232804278653913	0.848164861405278
THCA	TCEA1	cg26358945	-0.0134576051743927	510	-0.302748758940043	0.762205753152899	0.000181107137029842	0.867824513134385
THCA	TDRD1	cg00337703	-0.0713080993562986	511	-1.60971806324889	0.108081838669518	0.00508484503380775	0.251830554614126
THCA	TDRD1	cg02635786	-0.13532668017663	502	-3.04797673655278	0.00242630875338224	0.018313310367628	0.0138921221138307
THCA	TDRD1	cg16550453	-0.330085092156032	511	-7.8737270591842	2.10519006541748e-14	0.108956168063656	1.52062354641678e-12
THCA	TDRD1	cg23504215	-0.142341568415786	511	-3.2380276692773	0.0012824134783903	0.0202611220990658	0.00825588167311278
THCA	TDRD1	cg23825092	-0.168548121699981	511	-3.85022435237977	0.000133107249783845	0.0284084693285916	0.00123001751210059
THCA	TDRD1	cg24203376	-0.429312180457518	511	-10.7032172610935	3.05151476151832e-24	0.184308948289189	5.74793073504978e-22
THCA	TDRD1	cg26600802	-0.143481053227902	511	-3.26449164918972	0.00117066986238094	0.020586812635388	0.00765428804440272
THCA	TDRD1	cg27547703	-0.318356152003841	511	-7.56174611003547	1.88009423463526e-13	0.101350639518693	1.19395959909564e-11
THCA	TDRD3	cg01557749	-0.0140125592582503	511	-0.315547020167893	0.752476200125753	0.000196351816965975	0.861399613175726
THCA	TDRD3	cg03447530	-0.0410217825838898	510	-0.923539568411244	0.356166269569257	0.00168278664635992	0.554940965015809
THCA	TDRD3	cg05666423	-0.0278281152934123	511	-0.626838984688506	0.531046938062107	0.000774404000783445	0.708773234162053
THCA	TDRD3	cg10765900	0.00320418420319746	511	0.0721478982425606	0.942512660212297	1.02667964080201e-05	0.969416670702128
THCA	TDRD3	cg18522102	-0.0549098928156076	511	-1.23825555363727	0.216194362973711	0.00301509632902152	0.403450098907978
THCA	TDRD3	cg19937698	-0.025921525592247	511	-0.583862380330437	0.559572567544312	0.000671925489029514	0.730318899431974
THCA	TDRD3	cg20944895	-0.141272560425678	511	-3.21321242758673	0.00139608968293338	0.0199579363292269	0.00885940132099842
THCA	TDRD3	cg22045829	0.0402785880237595	511	0.907675881394456	0.364480707605654	0.00162236465318774	0.563425974515137
THCA	TDRD3	cg23103367	-0.105927694533431	511	-2.39863304069173	0.0168166718924881	0.0112206764691678	0.0637045273278253
THCA	TDRD3	cg23767211	0.0378993750704517	511	0.853980895078558	0.393518880828275	0.00143636263073077	0.590308673643556
THCA	TDRD3	cg26737458	-0.0587529637097775	511	-1.32520976730734	0.185698474582675	0.00345191074468244	0.364453986873319
THCA	TDRD5	cg05378938	-0.178719802096183	511	-4.09002242271547	5.01599221206754e-05	0.0319407676612989	0.000531437548749782
THCA	TDRD5	cg07171496	-0.271482894086522	511	-6.35142701911058	4.74833751863038e-10	0.0737029617815937	1.65944370585953e-08
THCA	TDRD5	cg07901138	-0.240206208499696	511	-5.57177264853061	4.09964558944642e-08	0.0576990226017995	9.78606409896886e-07
THCA	TDRD5	cg09656934	-0.0100273401215071	511	-0.225793564998142	0.821452972949189	0.000100547549912385	0.904161447176621
THCA	TDRD5	cg11853788	-0.0374976019528779	511	-0.844914986498813	0.398556835442704	0.00140607015221647	0.595157042261088
THCA	TDRD5	cg12277666	-0.188764922659872	511	-4.32816613605206	1.8121733430968e-05	0.0356321960267876	0.00022008828221118
THCA	TDRD5	cg13848905	-0.229597239192052	511	-5.31166022381061	1.62907643879432e-07	0.0527148922446122	3.37413132267213e-06
THCA	TDRD5	cg15545772	-0.168715373052093	511	-3.85415683619819	0.000131046334985458	0.0284648771041068	0.00121364506950699
THCA	TDRD7	cg24339935	-0.0609191321061487	511	-1.37424779919582	0.169971936197722	0.00371114065656639	0.343648702934271
THCA	TDRD9	cg07613153	0.0475711769734248	511	1.07235811092616	0.28406937755003	0.0022630168786369	0.481341866053792
THCA	TDRD9	cg08933517	-0.146129351964734	511	-3.32604850327006	0.000944731959528566	0.0213537875056331	0.0064008428897026
THCA	TDRD9	cg16701547	-0.0513844524320815	511	-1.15853675942783	0.247190466887176	0.00264036195174485	0.440443393037273
THCA	TRIM24	cg00733782	0.0337673819754797	511	0.760762524010293	0.447152583781238	0.00114023608547795	0.638793561581753
THCA	TRIM24	cg02308366	-0.0102624320790003	510	-0.230859858338582	0.817516990077489	0.000105317512176094	0.901906214650616
THCA	TRIM24	cg06386929	0.0416238920087837	510	0.937118451253841	0.349144687449694	0.00173254838595889	0.548204937138446
THCA	TRIM24	cg06650216	0.141475142764082	511	3.21791415577436	0.00137386055860327	0.0200152160201173	0.00874279776866405
THCA	TRIM24	cg10571650	0.0831475858278472	511	1.87871148052314	0.0608574107072124	0.00691352102899921	0.166315654062983
THCA	TRIM24	cg10703331	0.101435055153241	511	2.29582016536556	0.0220933709366526	0.010289070413941	0.078513165165865
THCA	TRIM24	cg13935558	0.112053929966765	511	2.53907104610233	0.0114124895817757	0.0125560832209967	0.0472875214127647
THCA	TRIM24	cg26889928	0.0351919527806923	511	0.792896395755595	0.428209063930814	0.00123847354051848	0.622481470978862
THCA	TRIM33	cg00760200	0.0172218273579868	511	0.387835558380467	0.698300505613512	0.000296591337548303	0.826977749248047
THCA	TRIM33	cg02852257	0.0106282452760454	511	0.239326108046568	0.810949438948613	0.000112959597647782	0.898073948404465
THCA	TRIM33	cg05792124	-0.0111514059450027	511	-0.251108035354884	0.801832321734153	0.000124353854550241	0.891887839931751
THCA	TRIM33	cg16036305	-0.0383685807904378	511	-0.864568928555957	0.387684296462571	0.00147214799187235	0.585576113680671
THCA	TRIM33	cg17645130	0.0303878757009664	511	0.684549617852427	0.493940968432959	0.000923422989617383	0.679222309198268
THCA	TRIM33	cg18199720	0.0972077645059745	511	2.19920944313741	0.028313805685643	0.00944934948024899	0.0945949838741211
THCA	TRIM33	cg20932765	0.0080026732525424	511	0.180199247029769	0.857068151160481	6.40427791869575e-05	0.923921010896951
THCA	TRIM33	cg20992663	-0.0193803345395694	511	-0.436462387932732	0.662687086937065	0.000375597366865628	0.803846369906008
THCA	TRIM33	cg21666217	0.0543973327278007	511	1.2266625076322	0.220518817267394	0.00295906980789906	0.408745314998801
THCA	TRIM33	cg21813112	-0.038590321767427	511	-0.869572904611483	0.384945332682262	0.00148921293411355	0.583062867021785
THCA	TRIM66	cg06492264	0.141480447461619	511	3.2180372779004	0.00137328287770221	0.0200167170139401	0.00874105450727917
THCA	TRIM66	cg11245569	0.00765670346700409	508	0.17189760534561	0.863587027713249	5.86251079816324e-05	0.927516694747135
THCA	TRIM66	cg12608775	0.152361032696057	511	3.47118810097989	0.000562400284729542	0.023213884284209	0.00413998559332418
THCA	TRIM66	cg13143389	0.100963611699935	511	2.28503964775698	0.0227226204098207	0.0101936508874953	0.0801852362060144
THCA	TRIM66	cg27044202	-0.0567658132038015	511	-1.28024090516725	0.201045848208695	0.00322235754868889	0.384222490923875

THCA	UBE2A	cg00142683	0.00528171756925976	511	0.118928300211072	0.905379266653803	2.78965404814272e-05	0.949796033632693
THCA	UBE2A	cg00428314	-0.0697089495100833	511	-1.5734403443206	0.116240684267572	0.00485933764179934	0.264861378880388
THCA	UBE2A	cg00935924	-0.0200114593783652	511	-0.45068148555349	0.652411798851195	0.00040045850645196	0.796961928896266
THCA	UBE2A	cg05206294	0.0339936506607449	511	0.765866124241194	0.44411236362063	0.00115556828524476	0.636088940121463
THCA	UBE2A	cg06206449	0.0224831897401569	511	0.506374351030811	0.612813998920643	0.000505493820891896	0.769407405174747
THCA	UBE2A	cg06273903	-0.0677393998931599	511	-1.52877659490365	0.126943468964967	0.00458862629788543	0.281568164247773
THCA	UBE2A	cg09080960	0.00436348719238263	511	0.0982520950653796	0.921770947960936	1.90400204780873e-05	0.959007498429024
THCA	UBE2A	cg14625604	0.00137991526688976	511	0.0310711131634044	0.975225054208821	1.90416614379544e-06	0.986921868393186
THCA	UBE2A	cg15661671	-0.0292501289088675	511	-0.658897148820548	0.510260942658242	0.000855570041185365	0.692592381846587
THCA	UBE2A	cg16211147	-0.032781317998928	511	-0.738522728465269	0.460538585628191	0.00107461480974684	0.650279312648325
THCA	UBE2A	cg17976175	-0.0243343506253672	511	-0.548090614350313	0.583870915153217	0.00059216062035831	0.74870446821879
THCA	UBE2A	cg18990292	-0.0314757118246492	511	-0.709079253794968	0.478601224562869	0.000990720434868361	0.666090708181388
THCA	UBE2A	cg25165659	-0.0837785699291856	511	-1.89306889696127	0.0589179185516753	0.00701884877937944	0.162459169737675
THCA	UHRF2	cg06523306	0.061978041024388	511	1.39822658019286	0.16265636596439	0.00384127756922072	0.333295577936473
THCA	UHRF2	cg08487038	0.0172857870652847	511	0.389276360725148	0.697235169742723	0.000298798434466364	0.826399219851686
THCA	UHRF2	cg13428749	0.0520590314429887	511	1.17378718141738	0.24103136890352	0.00271014275478209	0.433233851169807
THCA	UHRF2	cg14078101	0.0460946681807799	511	1.03900237489907	0.299298873715031	0.0021247184346962	0.497617779615399
THCA	UHRF2	cg20595300	-0.0604488709060869	511	-1.36360032654526	0.173298528277589	0.00365406599382076	0.34821742196577
THCA	UHRF2	cg24119045	-0.0357611254620869	511	-0.805736497216963	0.420772534068598	0.00127885809431512	0.615918009169693
THCA	USP27X	cg00478198	-0.025301002674467	511	-0.56987651727652	0.569013875106411	0.00064014073633386	0.737337028637249
THCA	USP27X	cg01125381	-0.0546005866477444	511	-1.23004471354625	0.219251929636523	0.00298122406227785	0.407144024398913
THCA	USP27X	cg01290688	-0.0242948359716661	511	-0.547200086705593	0.584482051818109	0.00059023905489016	0.749105353374707
THCA	USP27X	cg01855997	-0.0435548494819552	511	-0.98164129984365	0.326744784817869	0.00189702491339577	0.526236130056546
THCA	USP27X	cg06455206	-0.0174503730818403	511	-0.392983965668457	0.694496505075926	0.000304515520695418	0.824874975050789
THCA	USP27X	cg06624970	-0.0676339307903642	511	-1.52638536870665	0.127537485063019	0.00457434859415578	0.282370467398825
THCA	USP27X	cg16810342	-0.100096373544665	511	-2.26521253182273	0.0239207691327474	0.0100192839967932	0.0833882556870832
THCA	USP27X	cg16867483	-0.0188604767625803	511	-0.424750504431876	0.671198756136861	0.000355717583711833	0.809576197883793
THCA	USP27X	cg19318186	-0.0266079918684885	511	-0.599335317288315	0.549217020650388	0.000707985231273549	0.722219593037007
THCA	USP51	cg00834229	-0.0132551123049552	511	-0.298487086583059	0.765453723618341	0.000175698002216974	0.869957296310615
THCA	USP51	cg01084827	0.0243199809559498	511	0.547766769943074	0.584093123231605	0.000591461473697759	0.748804265328754
THCA	USP51	cg02714202	-0.0420504378022591	511	-0.94767365942633	0.343747078988049	0.00176823931936166	0.543106142873315
THCA	USP51	cg03728850	-0.0620561236071847	511	-1.39999493131811	0.162126448693399	0.00385096247715019	0.332703710191624
THCA	USP51	cg07386410	-0.0092868831789281	511	-0.209118613665433	0.834439637978954	8.62461991790577e-05	0.911245521245066
THCA	USP51	cg12064531	-0.0285696636593128	511	-0.643556114300094	0.520154301029286	0.00081622568160626	0.7005440660807
THCA	USP51	cg12517811	-0.0343176824970161	511	-0.77317502540562	0.439779122617871	0.001177703331966	0.632384637963591
THCA	USP51	cg18770944	-0.0156438254579083	511	-0.352289817185402	0.724767314226398	0.000244729274957499	0.844066145256971
THCA	USP51	cg21331369	-0.0317029263484928	511	-0.714203033623424	0.475430316316397	0.00100507553905796	0.66321706434841
THCA	USP51	cg25424556	-0.067446742874566	511	-1.52214151632633	0.128597058139648	0.00454906312438783	0.283932552106368
THCA	WDR82	cg01736403	0.0650018518805061	511	1.4667265470009	0.143070439367501	0.00422524074789526	0.305825129889787
THCA	WDR82	cg03869063	0.0226768341440993	511	0.5107379131155	0.609756898208335	0.000514238806798986	0.767184100279151
THCA	WDR82	cg10989431	0.100988717189289	511	2.28561369678532	0.02268872411927	0.0101987209995382	0.0800946863971726
THCA	WDR82	cg11442381	0.0405415692990347	511	0.913611875591838	0.361355079452444	0.00164361884122844	0.560219555011528
THCA	WDR82	cg11665333	0.114376463386152	511	2.59238859977578	0.00980627527400475	0.0130819753767238	0.0419550887458574
THCA	WDR82	cg12661343	-0.0491266062735892	511	-1.10750436071747	0.268601075271041	0.00241342344396025	0.464386879936781
THCA	WDR82	cg13539115	0.12826451283173	511	2.91214280788652	0.00374777298743718	0.016451785251961	0.019704937265794
THCA	WDR82	cg15991175	-0.072302269215685	511	-1.63227770193101	0.103241892861965	0.00522761813373739	0.2436291695679
THCA	WDR82	cg17632831	0.0447719876950766	511	1.00912756781637	0.313394815309863	0.00200453088216809	0.512469757897497
THCA	WDR82	cg24007312	0.00950789643833645	511	0.214095753512833	0.830558462784918	9.0400094682131e-05	0.90911280186135
THCA	WDR82	cg26236504	0.0441732909946999	511	0.995606824394607	0.319916142509466	0.00195127963730243	0.51931411610295
THCA	WDR82	cg26858096	0.0596226393167953	511	1.34489531241598	0.17926034312034	0.00355485911910067	0.356031022816607
THCA	ZMYND1	cg00614684	0.0136395961269715	511	0.307146727226055	0.758857807962878	0.000186038582506896	0.865687172486072
THCA	ZMYND1	cg02813021	0.0803676978476672	511	1.81548474342253	0.0700400719740387	0.00645896685733394	0.184463990762691
THCA	ZMYND1	cg02867818	-0.0212270071375463	511	-0.478069030814536	0.632807134677606	0.000450585832017441	0.783604008694202
THCA	ZMYND1	cg03254875	0.125409738570311	511	2.84627979020841	0.00460252769906534	0.0157276025282738	0.0232002228873899
THCA	ZMYND1	cg05236965	0.0914647120865095	511	2.06814889186441	0.0391325747970871	0.00836579355706807	0.120527338814023
THCA	ZMYND1	cg08828193	-0.30855002648671	511	-7.30388657504225	1.09102864534316e-12	0.0952031188449492	6.12377218151701e-11
THCA	ZMYND1	cg12639781	0.0042594700777187	511	0.0959099116978689	0.923630019648133	1.8143085342981e-05	0.959803374973999

THCA	ZMYND1	cg13939078	0.0656632845249942	511	1.48171566775165	0.139037195608267	0.00431166693461035	0.299785465497491
THCA	ZMYND1	cg14255089	0.0762061219493062	511	1.720911639733	0.0858769468482492	0.00580737302255252	0.213605039107069
THCA	ZMYND1	cg14694828	0.0014525012517593	511	0.0327055120597654	0.973922299415313	2.10975988636233e-06	0.986380241805334
THCA	ZMYND1	cg17632565	0.0138799654805293	511	0.312560579840494	0.754743047424139	0.000192653441740684	0.863016736210034
THCA	ZMYND1	cg22593633	0.0469791954919272	511	1.05898385329514	0.290111391190417	0.00220704480906871	0.487670986111785
THCA	ZMYND1	cg24757747	0.00645766718940577	511	0.14540813161318	0.884446434096091	4.17014655291278e-05	0.938737586093822
THYM	ACTL6A	cg03667091	-0.163370624821255	124	-1.79882689509836	0.0746022187980539	0.0266899610544872	0.193112335180375
THYM	ACTL6A	cg03839554	-0.180804205684063	124	-1.99694787706571	0.0481322866324135	0.0326901607930449	0.140302874186225
THYM	ACTL6A	cg07261848	-0.227431843790591	124	-2.53702753683903	0.0124846028909531	0.051725243569988	0.0507033647965668
THYM	ACTL6A	cg10112003	-0.0176675231108216	124	-0.191948385230415	0.848112563300717	0.000312141372871416	0.918947231693576
THYM	ACTL6A	cg20132173	-0.0881877990886774	124	-0.961711660890688	0.338161052745276	0.00777708790810493	0.537588657142454
THYM	ACTL6A	cg22619386	0.000527773303609213	124	0.00573308634468279	0.995435365162809	2.78544660002582e-07	0.997653969898295
THYM	ACTL6A	cg25198545	-0.136030957573884	124	-1.49153890232688	0.138488651436247	0.0185044214184678	0.298967314625135
THYM	ACTL6A	cg25575835	-0.0729800970449046	124	-0.794886420674807	0.428275471913103	0.00532609456468369	0.622513775224433
THYM	ACTL6B	cg05729836	0.014149030613196	124	0.153713200796851	0.878098447409642	0.000200195067293156	0.935298871724606
THYM	ACTL6B	cg08572611	-0.0299532489921577	124	-0.325521630104228	0.745362821799009	0.000897197125186198	0.857002825017888
THYM	ACTL6B	cg09375063	-0.0109707990904254	124	-0.119180554740559	0.905334975061877	0.000120358432682478	0.949775266143983
THYM	ACTL6B	cg14088161	-0.119146623997448	124	-1.30354923401211	0.194924865932101	0.0141959180099892	0.376449841976436
THYM	ACTL6B	cg16024950	0.00192632903620184	124	0.0209253282983855	0.983340564714285	3.71074355571433e-06	0.991358882722222
THYM	ACTL6B	cg20497359	-0.0647528794183777	124	-0.704875616537603	0.482276620584283	0.00419293539297096	0.669310987810788
THYM	ACTL6B	cg24471254	-0.0910922065513172	124	-0.993645763856972	0.322428579673033	0.00829779009438784	0.52180230049777
THYM	ACTL6B	cg26990587	-0.00469176119015421	124	-0.0509661328780006	0.959438681530998	2.20126230654372e-05	0.978789508904512
THYM	AEBP2	cg02664216	-0.029890336132355	124	-0.324837302691984	0.745879402468945	0.000893432194105169	0.857305246697864
THYM	AEBP2	cg07849438	-0.0772190147034606	124	-0.841325273966888	0.401867477393246	0.00596277623177327	0.598425702317665
THYM	AEBP2	cg08161947	-0.0467938011290604	124	-0.508868219474282	0.611794771097061	0.00218965982410606	0.768662616321675
THYM	AEBP2	cg24304000	-0.15453034539191	124	-1.69903799318891	0.0919470308124098	0.023879627646943	0.224264847625666
THYM	AEBP2	cg26259627	-0.102233940690936	124	-1.11639433420689	0.266521539265852	0.0104517786291979	0.462198814633579
THYM	AFF4	cg00931577	0.0955216959850719	124	1.04239773749663	0.299358259562595	0.0091243944038645	0.497665913973982
THYM	AFF4	cg01907658	-0.0117614766561026	124	-0.12777117691577	0.898547555128355	0.00013833233132047	0.946352852298873
THYM	AFF4	cg05619425	-0.16369665858726	124	-1.80251550268853	0.0740168701808806	0.0267965960326338	0.192015702628593
THYM	AFF4	cg06638012	-0.551671354186654	124	-7.184942907401	6.55931882235421e-11	0.304341283030136	2.69844340807099e-09
THYM	AFF4	cg13393914	-0.487715365940588	124	-6.06864667877815	1.60632315663834e-08	0.237866278174562	4.21173925337119e-07
THYM	AFF4	cg13565585	-0.00998826471993394	124	-0.108505739836656	0.913778820586554	9.97654321154771e-05	0.954514455631635
THYM	AICDA	cg07999668	-0.412275649145494	124	-4.91566309376787	2.88540067538962e-06	0.169971210878338	4.36451215518686e-05
THYM	AIRE	cg08089567	-0.0477629271530078	124	-0.519431019844994	0.604433157934935	0.00228129721022353	0.763282791513381
THYM	AIRE	cg09510531	-0.0252255236563544	124	-0.274106550838187	0.784482001963761	0.000636327043737297	0.881021976229305
THYM	AIRE	cg11923631	-0.0396898058272088	124	-0.431481634728465	0.666905503696632	0.00157528068660154	0.806731850144699
THYM	AIRE	cg12843033	-0.0932122652118964	124	-1.01697200853115	0.311247373646415	0.00868852638593291	0.510169996111527
THYM	AIRE	cg15955655	-0.275237686226466	124	-3.10996521343075	0.0023461394367508	0.0757557839192986	0.0135266857883786
THYM	AIRE	cg16501323	-0.0500563224148788	124	-0.544433346120189	0.587170663514826	0.00250563541370229	0.751103421811599
THYM	AIRE	cg16717549	-0.0831493528730533	124	-0.906371846294917	0.366586161692043	0.00691381488320754	0.565450203629767
THYM	AIRE	cg17356252	-0.0662367913892639	124	-0.721099308146781	0.472274688116796	0.00438731253354486	0.660342519273842
THYM	AIRE	cg18689454	-0.0699195240604776	124	-0.761383825831465	0.447946813857763	0.00488873984484371	0.639440194952884
THYM	AIRE	cg18876487	-0.100860082760076	124	-1.10123656303562	0.273034978996465	0.0101727562943695	0.469319968978988
THYM	AIRE	cg23272544	-0.1597868955281	124	-1.75832171093833	0.081285461600967	0.0255318519825078	0.205282469802157
THYM	AIRE	cg27251412	-0.0423859536081461	124	-0.460843464609232	0.645759153140929	0.00179656906327191	0.792318900376087
THYM	ARID1A	cg04081153	0.0826035789899533	124	0.900381614331071	0.369751100114302	0.00682335126194946	0.568421806226623
THYM	ARID1A	cg04360147	-0.0845423063654329	124	-0.92166417481978	0.358584336417197	0.00714740156558672	0.557535073494813
THYM	ARID1A	cg14851949	0.0602743049274601	124	0.655939138611401	0.513140243710704	0.00363299183448844	0.694827545067718
THYM	ARID1A	cg17385674	-0.0426686229170188	124	-0.463922388190752	0.643558041764947	0.00182061138163474	0.790773252110986
THYM	ARID1A	cg20413923	0.0381660507170889	124	0.414891716752668	0.678974524319151	0.0014566474273394	0.81474760289124
THYM	ARID1A	cg21294655	0.248530005657312	124	2.78717680547378	0.00619839964394866	0.0617671637120235	0.029432845138335
THYM	ARID1A	cg24542126	0.122840654310853	124	1.34457432161571	0.181341693556936	0.0150898263515184	0.358626629091397
THYM	ARID1A	cg25601319	-0.219225055479095	124	-2.44076697684854	0.0161417519856626	0.0480596249498122	0.0617291091284468
THYM	ARID2	cg00035453	-0.199700942085286	124	-2.21390236666162	0.0287575800666404	0.0398804662697508	0.0956544887850276
THYM	ARID2	cg01183821	0.0451247146082026	124	0.490679694866362	0.624564255853167	0.00203623986847173	0.777634028262052
THYM	ARID2	cg01353809	-0.0423182011649936	124	-0.460105500052892	0.646287189381076	0.00179083014984086	0.792588092650945

THYM	ARID2	cg01751433	0.0166945723465473	124	0.181374751921183	0.856384615792269	0.000278708745834102	0.923593706083814
THYM	ARID2	cg06613666	-0.00892409625555457	124	-0.096944359083143	0.922935046522765	7.96394939784032e-05	0.959490659551435
THYM	ARID2	cg07276957	-0.0324924964966111	124	-0.353145325048597	0.724609579584055	0.00105576232858229	0.844005414576682
THYM	ARID2	cg23465749	0.120244616074451	124	1.31573747459336	0.190812737281361	0.0144587676948921	0.371129986850669
THYM	ARID4A	cg02136725	-0.00842077800024744	124	-0.0914763063089811	0.927269242499614	7.09095021294513e-05	0.961582332920299
THYM	ARID4A	cg06154646	0.121055588365869	124	1.32474280039454	0.187816269718614	0.0146544554746067	0.36721744582457
THYM	ARID4A	cg08066755	-0.105290318265481	124	-1.15013863069921	0.252412352235769	0.0110860511204462	0.446306942060354
THYM	ARID4A	cg08790491	-0.0567350024507235	124	-0.617294170469237	0.538230069919282	0.0032188605030836	0.713962931134273
THYM	ARID4A	cg10064886	0.0323710090527522	124	0.351823548756223	0.725598096355261	0.00104788222709336	0.844562485903722
THYM	ARID4A	cg10242170	-0.0679414845764744	124	-0.73974275108883	0.46092527379483	0.00461604532645531	0.650621682505384
THYM	ARID4A	cg10844118	-0.18809654964044	124	-2.08038527863767	0.039654596999645	0.0353803119866387	0.121725514697959
THYM	ARID4A	cg12203852	0.0556335552997009	124	0.605272512272	0.546160258859511	0.00309509247528488	0.719806040925623
THYM	ARID4A	cg14272338	-0.00109618442955731	124	-0.0119076179903725	0.990519428879109	1.20162030360388e-06	0.994867514269391
THYM	ARID4A	cg14460816	-0.0259120757804247	124	-0.281571735800622	0.778765103581273	0.000671435671250471	0.877680433072909
THYM	ARID4A	cg17323045	-0.016811943411497	124	-0.182650265000808	0.855385878825657	0.000282641441271377	0.923079652337571
THYM	ARID4A	cg19548283	0.0156326809939439	124	0.169835135610127	0.865430622757244	0.000244380715058416	0.928548118318168
THYM	ARID4A	cg20996579	-0.0119881625671773	124	-0.130234137163677	0.896602942118299	0.000143716041737071	0.945203258790023
THYM	ARID4A	cg26429530	0.0490804781364265	124	0.533793774183526	0.594488347489335	0.00240889333410024	0.756103387927405
THYM	ARID4A	cg27026909	-0.107539783364206	124	-1.17499511353074	0.242362240807216	0.0115648050060204	0.434762103935172
THYM	ARID4B	cg05652840	-0.00547384387618429	124	-0.0594620553065574	0.952684673282193	2.99629667808402e-05	0.975031922660075
THYM	ARID4B	cg06212607	-0.0461533679032465	124	-0.501888734399469	0.616680980848799	0.00213013336881242	0.772264206000853
THYM	ARID4B	cg06891548	-0.160115613966465	124	-1.76203405940892	0.0806531216429947	0.0256370098358579	0.204162727616007
THYM	ARID4B	cg07814876	-0.179797746470309	124	-1.98545929386575	0.0494125521420886	0.0323272296358015	0.143065169380285
THYM	ARID4B	cg10107779	-0.0940872590178382	124	-1.02660330058292	0.306707160148577	0.00885241230948978	0.505165498318902
THYM	ARID4B	cg11732257	-0.115281917838346	124	-1.26068740547071	0.209908573225394	0.0132899205804872	0.3954671012665
THYM	ARID4B	cg22596515	0.240672691828833	124	2.69354786822436	0.00809979254338719	0.0579233445921362	0.0362698014804733
THYM	ARID4B	cg23687319	-0.168155730875506	124	-1.85302504941265	0.0663770616671537	0.0282763498262754	0.177271349354065
THYM	ARID4B	cg26020585	0.0198419955642711	124	0.215581684270505	0.829686025177838	0.000393704787972555	0.908553613529929
THYM	ASH1L	cg03119126	-0.0409031226860193	124	-0.444693799783741	0.657355637819131	0.00167306544546754	0.800412028306487
THYM	ASH1L	cg08095278	0.128916043763006	124	1.41217052578132	0.160531561452862	0.0166193463395052	0.330441941408832
THYM	ASH1L	cg09410084	0.23142989928153	124	2.584127157754	0.0109817709292966	0.0535597982814589	0.0458594603936714
THYM	ASH1L	cg10558228	-0.12876730368806	124	-1.41051371156565	0.161018794008254	0.016581018499093	0.331138206119227
THYM	ASH1L	cg17038116	-0.00684103960889883	124	-0.0743144505749844	0.940886012667209	4.67998229305227e-05	0.96840938398096
THYM	ASH1L	cg20064047	0.180878021872993	124	1.99779073271943	0.0480394818957807	0.032716858796687	0.140116356276258
THYM	ASH1L	cg21852905	-0.142246800683305	124	-1.56106994539192	0.121185269708573	0.020234152304636	0.272525854123919
THYM	ASH1L	cg23821590	-0.143356100660207	124	-1.57349824651888	0.118280967611178	0.0205509715964995	0.268086985238586
THYM	ASH1L	cg24312492	0.1186483266903	124	1.29801949735761	0.196812078113046	0.0140774254264082	0.378958750585906
THYM	ASH1L	cg26185843	0.0575436298726893	124	0.626121307680639	0.532444659762784	0.00331126933892506	0.709871462923497
THYM	ASH2L	cg00590869	0.0325901419934792	124	0.3542077137062	0.723815387837179	0.00106211735515514	0.843523465704662
THYM	ASH2L	cg01642070	-0.018913840253106	124	-0.20549365416989	0.837540542725349	0.000357733353120013	0.913017270378221
THYM	ASH2L	cg02897270	0.0686867008638511	124	0.747894872651129	0.456011503890809	0.00471786287556017	0.646238908319761
THYM	ASH2L	cg03189282	-0.0254812790360852	124	-0.276887446297896	0.782350974771678	0.000649295581314834	0.879802019305357
THYM	ASH2L	cg03705346	-0.0986515768115163	124	-1.07688342265805	0.283729055606302	0.0097321336073985	0.480974878556507
THYM	ASH2L	cg10062221	-0.0328506259289034	124	-0.357041843753374	0.72169820038226	0.00107916362392074	0.842318387247239
THYM	ASH2L	cg21453287	-0.0264472877608748	124	-0.2873916084435	0.774316575572784	0.000699459029906516	0.874929393396702
THYM	ASH2L	cg24318412	0.0658558129372344	124	0.716933595549546	0.474831761742226	0.004336988097624	0.662655390229885
THYM	ASH2L	cg27255459	-0.0174521161812561	124	-0.189607384346302	0.849942568633758	0.00030457635920406	0.919985923414824
THYM	ASXL1	cg00174466	0.0690894682670322	124	0.752301376435377	0.453367913966327	0.00477335462542124	0.64376311951967
THYM	ASXL1	cg04218270	0.160062305974473	124	1.76143199015126	0.0807553989175873	0.0256199417938659	0.204360820139489
THYM	ASXL1	cg09065199	0.0306938688154309	124	0.333577930544374	0.739290108362221	0.000942113582858884	0.85313418316839
THYM	ASXL1	cg10421984	-0.0435311695851519	124	-0.473318212569133	0.636860621455173	0.00189496272545126	0.786316921438351
THYM	ASXL1	cg12592359	-0.0052062717014142	124	-0.0565553531491218	0.954995053471155	2.71052650289463e-05	0.976035382237017
THYM	ASXL1	cg16926526	0.186104203066421	124	2.05755455867668	0.0418361516633908	0.0346347743989877	0.126510206891931
THYM	ASXL1	cg18793288	0.09087894481653	124	0.991300081135088	0.323567468490061	0.0082589826109659	0.52300292223936
THYM	ASXL1	cg24727216	0.402211006125327	124	4.77215247017327	5.27052180472599e-06	0.161773693448348	7.44939995052424e-05
THYM	ASXL2	cg05165989	-0.0206520119429837	124	-0.224386128511425	0.822844935397395	0.000426505597293142	0.904671034879323
THYM	ASXL2	cg05496738	0.126512599806589	124	1.38541037281141	0.168540233938411	0.0160054379098221	0.341686073855348

THYM	ASXL2	cg06583696	-0.0857464420290721	124	-0.934887977972722	0.351755277332591	0.00735245232064502	0.550686045468613
THYM	ASXL2	cg09476286	0.0714069139391939	124	0.777662796302458	0.43832421629439	0.00509894735831945	0.631007126009101
THYM	ASXL2	cg19084174	0.02408716651946	124	0.261729540211241	0.793986276519078	0.000580191590936194	0.887156273634453
THYM	ASXL2	cg20667782	-0.105038657884993	124	-1.14735891322183	0.25355429285749	0.0110331196502806	0.447563138921664
THYM	ASXL2	cg24738909	0.0921446879444005	124	1.00522411549578	0.316845841033782	0.00849064351637095	0.516097237169749
THYM	ASXL3	cg09963640	-0.250688296911431	124	-2.81299695926683	0.0057509752311189	0.0628446222083537	0.0277276776498249
THYM	ASXL3	cg12361352	-0.104344306253393	124	-1.13969059884281	0.256723397271219	0.0108877342475018	0.451038640604286
THYM	ASXL3	cg17880622	-0.068739233749182	124	-0.748469591322101	0.455666216251101	0.00472508225642468	0.645943686487083
THYM	ASXL3	cg20034091	0.116915025515366	124	1.27879231601925	0.203479475249337	0.0136691231912587	0.387312999695299
THYM	ASXL3	cg20329085	-0.0901754069348287	124	-0.983562785521209	0.32734292173058	0.00813160401586196	0.526828625134136
THYM	ASXL3	cg24880056	-0.0831128205671206	124	-0.905970854314973	0.366797489978067	0.00690774094262238	0.565695335846423
THYM	ASXL3	cg27109877	-0.0053422094400673	124	-0.0580320765859464	0.953821236854045	2.85392017015441e-05	0.975563901850235
THYM	ATAD2B	cg08192560	0.0449684792530511	124	0.488977365583234	0.625765343589463	0.00202216412633208	0.778593646267012
THYM	ATAD2B	cg14009731	0.0324067957105549	124	0.35221290387803	0.725306861164046	0.00105020040822564	0.844424331568773
THYM	ATAD2B	cg15717719	-0.00865713946583264	124	-0.0940441298837543	0.925233603232621	7.4946063730877e-05	0.960618337451796
THYM	ATAD2B	cg16929802	-0.032681207592547	124	-0.355198521844337	0.723074977576856	0.00106806132970715	0.843061472869637
THYM	ATAD2B	cg17933838	0.129100905811756	124	1.4142298374041	0.159927537163976	0.016667043881416	0.329666905208514
THYM	ATAD2B	cg19614157	0.100876566660649	124	1.1014183919642	0.272956197538803	0.0101760817012405	0.469264307172997
THYM	ATAD2B	cg20806130	-0.0998445384667913	124	-1.09003616155839	0.277918189437066	0.00996893186164657	0.47476597266227
THYM	ATAD2B	cg27610867	-0.0562617531380622	124	-0.612128653658111	0.541630366719993	0.00316538486616825	0.716506415029081
THYM	ATAT1	cg01245721	-0.237615862621289	124	-2.6572754426168	0.00896866899290842	0.0564612981692593	0.0392323794216328
THYM	ATAT1	cg05093836	0.049748403198726	124	0.541075953938973	0.589475246636615	0.00247490362082301	0.752652457704518
THYM	ATAT1	cg06814856	-0.122071399267878	124	-1.33602652746887	0.18411149881739	0.0149014265192176	0.362482472578647
THYM	ATAT1	cg07142893	-0.239906230466045	124	-2.68444507855263	0.0083103588716928	0.0575549994164272	0.0369954825787965
THYM	ATAT1	cg07816366	-0.0885560397786199	124	-0.965759099343587	0.336139877344024	0.0078421721812725	0.53570889708134
THYM	ATAT1	cg08081524	-0.319945889414302	124	-3.66832444205279	0.000367679127046194	0.102365372153109	0.00289770337447387
THYM	ATAT1	cg08188471	0.204940326972572	124	2.27449923838085	0.0247424868305192	0.0420005376196245	0.0855208166567473
THYM	ATAT1	cg08635134	-0.00749595409790297	124	-0.0814291916955439	0.935238590801214	5.61893278378684e-05	0.965493651574875
THYM	ATAT1	cg09532691	0.132695015992285	124	1.45429730378143	0.148518668099585	0.0176079672691927	0.313588678377459
THYM	ATAT1	cg12907138	0.0939775957937967	124	1.02539607691272	0.307273800051459	0.00883178851118223	0.505777538005231
THYM	ATAT1	cg13542073	0.11496778313741	124	1.25720604748652	0.211161701623298	0.0132175911595304	0.397068318776024
THYM	ATAT1	cg13964084	0.0252871140726225	124	0.274776234677133	0.78396866644603	0.000639438138121822	0.880833900511308
THYM	ATAT1	cg15381130	0.129543449583332	124	1.4191602610693	0.158488449453562	0.0167815053299492	0.327640786500236
THYM	ATAT1	cg15729859	-0.0385988294513705	124	-0.419603305170671	0.675538230138023	0.00148986963501599	0.812417040137235
THYM	ATAT1	cg18298197	0.128285224621214	124	1.40514450230717	0.162605535483297	0.0164570988561152	0.333242352432598
THYM	ATAT1	cg20629923	0.16485241668122	124	1.81559615738521	0.0719716592899588	0.0271763192856386	0.188137206411393
THYM	ATAT1	cg22759096	0.14267786264681	124	1.56589873267257	0.120050215085683	0.020356972489462	0.270803097757868
THYM	ATAT1	cg23328390	-0.146787184432111	124	-1.6119777513816	0.109638314791499	0.0215464775135066	0.254375277688335
THYM	ATAT1	cg26934609	-0.227150012507349	124	-2.5337125263649	0.0125970209565657	0.051597128182089	0.0510881372273521
THYM	ATF7IP	cg00236831	-0.0557842489715535	124	-0.606917114602393	0.545071929018447	0.00311188243332027	0.719090449838236
THYM	ATF7IP	cg11409060	0.0176539433412802	124	0.191800802133062	0.848227907463956	0.00031166171549713	0.918983416757208
THYM	ATF7IP	cg12526346	0.16745247978224	124	1.84505138228869	0.0675374856723036	0.0280403329852215	0.179636596019939
THYM	ATF7IP	cg12948116	0.147141025238575	124	1.61594942203801	0.108775807070311	0.021650481308259	0.252924803037564
THYM	ATF7IP	cg17439009	-0.0464061330055879	124	-0.504643311196057	0.614750481064929	0.00215352918053232	0.770818608448417
THYM	ATF7IP	cg19789919	-0.0396182287608132	124	-0.430702271235561	0.667470564690212	0.00156960405014412	0.807165496735092
THYM	ATF7IP	cg21275967	-0.00677958215303585	124	-0.073646805274202	0.941416124167212	4.59627341697621e-05	0.968749930071352
THYM	ATF7IP	cg26637901	-0.0206663350377843	124	-0.224541816807552	0.822724085914615	0.000427097403893951	0.904636846198569
THYM	ATM	cg01756564	-0.0616567524361829	124	-0.671040480731775	0.503506164503393	0.00380155512097675	0.686899525837839
THYM	ATM	cg01800843	-0.0558926597510958	124	-0.60810028636503	0.544289629873004	0.00312398941405177	0.718436083722287
THYM	ATM	cg01991180	-0.0308688347756338	124	-0.335481251801352	0.737857799391576	0.000952884960405378	0.852429913168073
THYM	ATM	cg02105423	0.0308375196276878	124	0.335140595923928	0.738114086083073	0.000950952616788032	0.852508882905462
THYM	ATM	cg03165700	-0.0161960371951201	124	-0.175957076184421	0.860629276505385	0.000262311620825714	0.925937930441865
THYM	ATM	cg03569616	-0.0507375194463661	124	-0.551861321314092	0.582087019214272	0.00257429587957038	0.747320402332913
THYM	ATM	cg04709886	-0.0976992032176942	124	-1.06638660346227	0.28842592317541	0.00954513430937231	0.485940275209163
THYM	ATM	cg04826772	-0.120286169689661	124	-1.31619883563895	0.190658361068619	0.01446876261861	0.370944379195289
THYM	ATM	cg05033322	0.0515040253973419	124	0.560220454209694	0.576391123928695	0.00265266463213004	0.743056940838659
THYM	ATM	cg05637308	-0.0501748974759073	124	-0.545726268829768	0.586284302860519	0.00251752033671781	0.75045085324357

THYM	ATM	cg06053805	0.0907965297566046	124	0.99039362821835	0.324008284856616	0.00824400981584198	0.523396460695656
THYM	ATM	cg06081482	-0.0667511225437054	124	-0.726723634993688	0.468834482417421	0.00445571236084477	0.657778634489627
THYM	ATM	cg06750635	0.0757484259231944	124	0.82520938225444	0.410917881627291	0.00573782402984166	0.606790662528253
THYM	ATM	cg09808176	-0.0869567140008069	124	-0.948183328764941	0.344973946126808	0.00756147010981812	0.544204549721963
THYM	ATM	cg10610482	-0.0440918492978009	124	-0.479426331341727	0.632522719947266	0.00194409117449999	0.783405334663954
THYM	ATM	cg10976287	-0.0658137041709107	124	-0.716473187246663	0.475114849636548	0.00433144365669615	0.6629315315964
THYM	ATM	cg11588932	-0.0489574270189937	124	-0.532452264623933	0.595413999801732	0.00239682966032009	0.756794979177779
THYM	ATM	cg12019961	-0.10479109264211	124	-1.14462464611166	0.254681111326681	0.0109811730971274	0.448934443505814
THYM	ATM	cg12106634	-0.0950956711824525	124	-1.0377061429899	0.301528656214797	0.00904318667764113	0.499949280282486
THYM	ATM	cg12848864	-0.147447680894634	124	-1.6193919778999	0.108032610046017	0.0217408186012058	0.251748861408389
THYM	ATM	cg14761454	-0.0243867219031232	124	-0.264986413979493	0.79148226248502	0.00059471220518027	0.885579494991366
THYM	ATM	cg15370815	0.0547900613722118	124	0.596067765304041	0.552271644622755	0.00300195082517074	0.724558491665249
THYM	ATM	cg15504467	-0.0391818199733717	124	-0.425950598079673	0.670919786849492	0.00153521501642571	0.809390306244388
THYM	ATM	cg16693212	0.000102872454872873	124	0.00111748090178792	0.999110266433012	1.05827419715712e-08	0.999559974625314
THYM	ATM	cg16788234	0.0584605992762656	124	0.636132624369692	0.525921926710666	0.0034176416677401	0.704702320304037
THYM	ATM	cg17114932	-0.0756863139333993	124	-0.824528829200852	0.411302746987967	0.00572841811682507	0.607093936043676
THYM	ATM	cg17420659	-0.118934747342174	124	-1.30119786103872	0.19572570339114	0.0141454741253468	0.377579858394344
THYM	ATM	cg18042593	-0.0843601335434891	124	-0.919663910784337	0.359624620874182	0.00711663213147531	0.55848280744772
THYM	ATM	cg18391757	-0.0399363546740884	124	-0.434166221154836	0.664960567255207	0.00159491242465458	0.805497182279984
THYM	ATM	cg18457775	0.0526546378439149	124	0.572770329841366	0.56789000610876	0.00277251088647384	0.736515931767749
THYM	ATM	cg19288979	0.173165881767301	124	1.90991669824571	0.0585713475374082	0.0299864226082468	0.161813253678225
THYM	ATM	cg20342375	0.00299636241030287	124	0.0325489732509272	0.974089253712535	8.97818769387604e-06	0.986465403984912
THYM	ATM	cg22477592	-0.111924801267625	124	-1.22350220433085	0.223577672499621	0.0125271611387972	0.41247898722782
THYM	ATM	cg22678707	-0.024000844401994	124	-0.260791028263809	0.794708242369195	0.000576040532008727	0.887606080844577
THYM	ATM	cg22837512	0.0635116057615251	124	0.691308314395207	0.490729639732154	0.00403372406640739	0.67648045635219
THYM	ATM	cg23275463	-0.0569062998073315	124	-0.619163984028801	0.537001910067701	0.00323832695776189	0.712990281809919
THYM	ATM	cg23389069	0.0888947922234117	124	0.969482776491693	0.334287347166958	0.00790228408444354	0.533852357389328
THYM	ATM	cg24030675	-0.0243893711951727	124	-0.265015218351921	0.791460126214225	0.00059484142729592	0.885567463844397
THYM	ATM	cg24568245	-0.00469617220406326	124	-0.0510140503375009	0.959400579828416	2.20540333702163e-05	0.978776309533556
THYM	ATM	cg25400013	0.0118807806245171	124	0.129067421433231	0.897524036676869	0.000141152948247901	0.945786210702028
THYM	ATM	cg25740661	-0.0491639674056628	124	-0.534703992325891	0.593860669222265	0.00241709569106507	0.755697645828349
THYM	ATM	cg25918541	-0.0892201720318327	124	-0.973059776527974	0.332514078431254	0.00796023909738982	0.532255148507839
THYM	ATM	cg27453365	-0.131517236085978	124	-1.44116095766344	0.152187657129408	0.0172967833876948	0.318894752968948
THYM	ATM	cg27599391	-0.0725950587518988	124	-0.79067037342759	0.430722604220641	0.00527004255519165	0.624711193257277
THYM	ATR	cg00911981	0.0302840953332509	124	0.329120437125118	0.74264809056855	0.00091712643015343	0.855321788968848
THYM	ATR	cg00969988	0.015176817734409	124	0.164881429745158	0.86931943424412	0.000230335796543471	0.930662733821964
THYM	ATR	cg11458642	-0.0461474879433434	124	-0.501824657081018	0.616725920412014	0.00212959064348103	0.772287300439963
THYM	ATR	cg11936145	0.097618197781676	124	1.06549391909584	0.288827795747109	0.00952931253814241	0.486343496587675
THYM	ATR	cg15135999	-0.0743594547269363	124	-0.809992896676076	0.419574716825744	0.00552932850728729	0.614905156564221
THYM	ATR	cg15291273	0.0637968624977482	124	0.694425924717848	0.488780123831705	0.00407003966455659	0.67482139161559
THYM	ATR	cg15480357	-0.0303532878069112	124	-0.329873097333986	0.742080735711502	0.000921322080689182	0.85492821118817
THYM	ATR	cg16031872	0.129748226825177	124	1.42144199615163	0.157825828568716	0.0168346023642776	0.326722438268041
THYM	ATR	cg17945282	0.0110895267163166	124	0.120470502285193	0.90431533260193	0.0001229776027919	0.949357680480391
THYM	ATR	cg20032934	-0.117278849740342	124	-1.28282716047914	0.202066683871666	0.0137543285964176	0.385519941265785
THYM	ATR	cg20636078	-0.153577477891746	124	-1.68830748231749	0.0939934113779593	0.0235860417155897	0.227814010999573
THYM	ATR	cg24631870	0.0532744365652333	124	0.579531497737137	0.563335405286214	0.00283816559134307	0.733308121755718
THYM	ATR	cg24856922	0.0551957695461075	124	0.600494952227067	0.549328024710662	0.00304657297578701	0.722280099285759
THYM	AURKB	cg02245743	0.124618121228116	124	1.36433458546957	0.175058696588326	0.0155296761384255	0.350622183836467
THYM	AURKB	cg04612488	-0.169384662482406	124	-1.86696603448087	0.064388175428672	0.0286911638842787	0.173320009558578
THYM	AURKB	cg05617798	0.0396428924584571	124	0.430970819987194	0.667275837521793	0.00157155892247279	0.807041806373631
THYM	AURKB	cg05811247	-0.243808972913018	124	-2.73085150956561	0.00728648303820576	0.059442815272901	0.033426386453248
THYM	AURKB	cg11009596	0.128283418912885	124	1.405124392393606	0.162611500701951	0.0164566355679788	0.333242352432598
THYM	AURKB	cg12844497	0.205394804246104	124	2.27976509057539	0.0244179904385376	0.0421870256112955	0.084696502058837
THYM	AURKB	cg13678641	-0.162118277918528	124	-1.7846639919952	0.0768854332187829	0.0262823360352689	0.197400177947921
THYM	AURKB	cg21724796	-0.17077844862906	124	-1.88278798226465	0.062191544621101	0.0291652785161487	0.168999895984838
THYM	BAP1	cg00794529	-0.207647745949249	124	-2.30589187145619	0.0228626264710954	0.0431175863978039	0.0805587083835672
THYM	BAP1	cg02503646	-0.0543178731807821	124	-0.590915504869724	0.555707207373547	0.00295043134688352	0.727103652843456

THYM	BAP1	cg03075736	-0.0654151223364935	124	-0.712115368236574	0.47779895067935	0.00427913823029841	0.665435417830022
THYM	BAP1	cg05442719	-0.122979005751669	124	-1.34611191322397	0.180846797419655	0.015123835855669	0.358021064700343
THYM	BAP1	cg05908979	-0.0873108481634084	124	-0.952074439984477	0.343005352281974	0.00762318420701376	0.542319744231529
THYM	BAP1	cg09096430	-0.163203312709335	124	-1.79693423209614	0.0749040509067883	0.026635321279301	0.1937002870805
THYM	BAP1	cg10449522	-0.141963112971319	124	-1.5578925499311	0.121936774691128	0.0201535254445076	0.273690820920262
THYM	BAP1	cg10956904	-0.0173799561289056	124	-0.188823168763507	0.850555788648883	0.000302062875042683	0.920323500163412
THYM	BAP1	cg11234564	-0.0857515515966885	124	-0.934944099932846	0.351726473632141	0.00735332860123953	0.55066559674859
THYM	BAP1	cg12859382	0.0394709274906451	124	0.429098409222674	0.668634011584378	0.00155795411697176	0.807869984281464
THYM	BAP1	cg16841708	-0.0276170160520908	124	-0.300112052694052	0.764619740859859	0.000762699575621439	0.869403199749362
THYM	BAP1	cg24291822	-0.161240187493388	124	-1.77473887537702	0.0785196051605521	0.0259983980629029	0.200208264957718
THYM	BAP1	cg24747396	-0.071569496897691	124	-0.779442524976991	0.437279555011374	0.0051221928861886	0.630168509506849
THYM	BAP1	cg25749966	-0.0403188220154456	124	-0.438330935134811	0.661947822551931	0.00162560740871318	0.803312880750107
THYM	BAZ1A	cg05294307	0.0918180776231423	124	1.00163071243119	0.318571560164253	0.00843055937840939	0.517910785425631
THYM	BAZ1A	cg07414384	-0.0644604107086997	124	-0.70167859738495	0.484261255134926	0.00415514454873425	0.670993254731211
THYM	BAZ1A	cg23422263	0.0652879076926826	124	0.71072456318444	0.478657350524769	0.00426251089088824	0.666132686526685
THYM	BAZ1A	cg26967526	0.081303018648164	124	0.886110375590933	0.377360343154425	0.00661018084130371	0.575908709054721
THYM	BAZ1B	cg00525989	-0.0225182167729708	124	-0.244672486773347	0.807134993273594	0.000507070086634503	0.895543137413185
THYM	BAZ1B	cg04742505	0.0354533593043556	124	0.3853643260015	0.700661304670127	0.00125694068596374	0.828515062587782
THYM	BAZ1B	cg05166819	0.127976852617414	124	1.40171050615457	0.16362661713702	0.0163780748058594	0.334775505708579
THYM	BAZ1B	cg06059318	0.0781671601682118	124	0.851718734829676	0.396095456733978	0.00611010492876288	0.592779230525241
THYM	BAZ1B	cg06394887	0.165002245642365	124	1.81729245525461	0.0717099031380735	0.0272257410670235	0.187629496997286
THYM	BAZ1B	cg14093368	-0.172379859925277	124	-1.90098122336847	0.0597436572453986	0.0297148161078582	0.164154207316375
THYM	BAZ1B	cg15636799	0.137800999082691	124	1.51132009506393	0.133380353550556	0.0189891153481878	0.291305689318258
THYM	BAZ1B	cg19160975	0.169799066290344	124	1.87166904392712	0.0637285615946359	0.0288317229130725	0.172010054121991
THYM	BAZ1B	cg20612831	0.203567046416841	124	2.25859688225486	0.0257455044176823	0.0414395423868762	0.088075891410254
THYM	BAZ1B	cg21340129	0.0752663192055222	124	0.819927254100356	0.413910703866477	0.00566501880674756	0.609497809891893
THYM	BAZ1B	cg25710357	0.0257281813189105	124	0.279572131314891	0.780295242680466	0.000661939313978736	0.878657132119898
THYM	BAZ2A	cg14634319	-0.292295258383914	124	-3.32013578679095	0.00119752193255546	0.0854365180737189	0.00780561551916376
THYM	BAZ2A	cg18206859	-0.0371206562375363	124	-0.403511644280455	0.687302135552586	0.00137794311950534	0.820086254649351
THYM	BAZ2A	cg18955060	-0.0354832088096111	124	-0.385689187445207	0.700421316239222	0.00125905810742646	0.828396008810417
THYM	BAZ2A	cg25683012	0.0747665452028234	124	0.814452167431065	0.417026603178607	0.00559003628156583	0.612533406229209
THYM	BRD7	cg03021120	-0.0773749282376284	124	-0.843034221555041	0.400914915746211	0.00598687951977815	0.597451773950937
THYM	BRD7	cg16433860	0.0794651767073626	124	0.865951218516275	0.388274176241365	0.00631471430913236	0.586061308929113
THYM	BRD7	cg16834187	0.472026868767078	124	5.81626177150629	5.25301866268774e-08	0.222809364838053	1.21876926288437e-06
THYM	BRD8	cg01096096	0.0377315871439802	124	0.410162020949905	0.682430834699018	0.00142367266840377	0.816936402404748
THYM	BRD8	cg03204906	-0.166956750347312	124	-1.83943239865249	0.0683653413220284	0.0278745564865346	0.181250796118374
THYM	BRD8	cg03684156	0.0511760267767633	124	0.556643343654991	0.57882529912319	0.002618985716656	0.745009766879924
THYM	BRD8	cg07430605	-0.0617599755559447	124	-0.67216820612469	0.502790619780323	0.00381429458067089	0.686308490230041
THYM	BRD8	cg07632946	0.264721803861918	124	2.98199815501479	0.00347967653683389	0.070077633439908	0.0185549356711533
THYM	BRD8	cg08976717	-0.0243386927516208	124	-0.264464219001794	0.791883600841002	0.000592371964857797	0.885786487466388
THYM	BRD8	cg11110536	-0.0297219317436415	124	-0.323005522273325	0.747262733903696	0.000883393226573683	0.858087766892588
THYM	BRD8	cg11346339	-0.100429318947798	124	-1.09648526187702	0.275099170771383	0.0100860481043185	0.471607238832697
THYM	BRD8	cg12964860	-0.06392528150074	124	-0.695829489504946	0.487903823115699	0.00408644161494886	0.674095520466124
THYM	BRD8	cg14473243	-0.235296458210603	124	-2.62980922650092	0.00968175652140603	0.0553644232464542	0.0415457525574996
THYM	BRD8	cg22106577	-0.0929013668321995	124	-1.01355044001697	0.312871062699144	0.00863066395929089	0.5118822993463
THYM	BRD8	cg22818036	0.0251417192853411	124	0.273195335629078	0.785180632015236	0.000632106048622894	0.881368205110719
THYM	BRD8	cg23298160	-0.306170851414053	124	-3.49364345718201	0.000671688698923012	0.0937405902556059	0.00481154241657613
THYM	BRD8	cg26008208	0.0618221192459751	124	0.672847144088466	0.502360094508992	0.00382197442806357	0.686007841957431
THYM	BRD8	cg26630792	-0.0541219671785011	124	-0.588778002145554	0.557135603742462	0.00292918733127076	0.728397007840632
THYM	BRD8	cg27119451	-0.0693928075069731	124	-0.755620323639253	0.451382577347299	0.00481536173369983	0.641997137616799
THYM	BRD9	cg02364331	-0.116814005287901	124	-1.27767208497406	0.203873010232272	0.0136455118314017	0.387786913078789
THYM	BRD9	cg02822723	0.147842693281491	124	1.62382714147178	0.107081130348461	0.0218574619567249	0.250150729837788
THYM	BRD9	cg05193570	-0.00113285306126313	124	-0.0123059420297407	0.990202308338088	1.28335605841324e-06	0.994699165980107
THYM	BRD9	cg07308931	-0.0946058591601068	124	-1.03231280315959	0.304036769104562	0.00895026858742197	0.502661546642587
THYM	BRD9	cg09497020	-0.0386703169478307	124	-0.420381600062417	0.674971253754614	0.00149539341284568	0.812061578302013
THYM	BRD9	cg10551270	-0.174025266345459	124	-1.91969046478707	0.0573112730103072	0.0302847933266081	0.15922549810949
THYM	BRD9	cg10600960	0.0910781137984608	124	0.993490752301335	0.322503759911836	0.00829522281308537	0.521879966272442

THYM	BRD9	cg13722821	-0.135606136703886	124	-1.48679346750744	0.139736532779318	0.0183890243117531	0.300926360066279
THYM	BRD9	cg17977043	0.0916724158780123	124	1.0000282309109	0.31934315238054	0.00840383183291124	0.518663226323326
THYM	BRD9	cg20079193	-0.162013955121072	124	-1.7834845968307	0.0770781388852812	0.0262485216539726	0.19771875676597
THYM	BRD9	cg21160852	-0.0649554419740606	124	-0.707089964957397	0.480904634168486	0.00421920944204556	0.668122066443489
THYM	BRD9	cg21758832	0.0348817170336999	124	0.379143163722212	0.705262945175823	0.00121673418321911	0.83180838146858
THYM	BRD9	cg21910709	0.246027758007832	124	2.75729717179607	0.00675564445665153	0.0605296577103605	0.0314888319269472
THYM	BRD9	cg24953233	0.0643568859717299	124	0.700546996573565	0.48496479950251	0.00414180877197824	0.671633692587554
THYM	BRD9	cg25523559	0.0952595758059071	124	1.03951107301092	0.300692417976725	0.00907438678272137	0.498966872807349
THYM	BRD9	cg25951128	0.0179944001420489	124	0.195500872814959	0.845337101978643	0.000323798436472171	0.917363983362533
THYM	BRD9	cg26504197	0.130357072142092	124	1.42822716288795	0.155867956753108	0.0169929662574585	0.324066382330258
THYM	BRDT	cg00308185	-0.370022268343598	124	-4.32655722759209	3.18816226027885e-05	0.136916479070142	0.000359449123008888
THYM	BRDT	cg01515515	-0.0555833539886459	124	-0.604724647169981	0.54652305539994	0.00308950924062711	0.720101191893618
THYM	BRDT	cg02935097	-0.0175872419570309	124	-0.191075902057096	0.848794503778825	0.000309311079655148	0.919346174356342
THYM	BRDT	cg03421440	-0.101394657916846	124	-1.10713376797367	0.270487906679144	0.0102808766540741	0.466632727462575
THYM	BRDT	cg06442199	0.0422441602090952	124	0.459299047827998	0.646864437061159	0.00178456907177171	0.792949670932776
THYM	BRDT	cg09250199	-0.462403489456946	124	-5.66500475230187	1.0556603461008e-07	0.21381698706196	2.28376087220706e-06
THYM	BRDT	cg13299824	-0.0326224494078257	124	-0.354559222478153	0.723552682662732	0.00106422420536615	0.843342583529075
THYM	BRDT	cg14732540	-0.0021377122991587	124	-0.0232215525182469	0.981512769837003	4.56981387397436e-06	0.990504927553699
THYM	BRDT	cg19245011	-0.0486283921650976	124	-0.528865229068532	0.597892348141704	0.00236472052456252	0.758586574013803
THYM	BRPF1	cg04879506	-0.0100249088919773	124	-0.108903857228719	0.913463724131146	0.000100498798292445	0.954300637280042
THYM	BRPF1	cg13694772	0.160187056551846	124	1.76284096856981	0.0805162140289701	0.0256598930867444	0.203942250974171
THYM	BRPF1	cg14712964	-0.0705396819218403	124	-0.768170613582326	0.443920404190589	0.0049758467256344	0.6359651159784
THYM	BRPF1	cg17738494	0.0271664258574968	124	0.295211876278095	0.768350830527274	0.000738014693870872	0.871658128591577
THYM	BRPF1	cg20952324	0.0246118208910064	124	0.267433818008874	0.789602032307413	0.000605741727570981	0.884187881467684
THYM	BRPF1	cg25467642	-0.00125812251660052	124	-0.0136667195452078	0.989118955022288	1.58287226677723e-06	0.994286077624878
THYM	BRPF1	cg26227975	0.0569414304499176	124	0.619547462872007	0.536750203999343	0.00324232650168281	0.712789904063175
THYM	BRPF3	cg01499736	-0.155354474804731	124	-1.70832266391536	0.090205769735854	0.0241350128418539	0.221161917769651
THYM	BRPF3	cg05882415	-0.199207031613799	124	-2.20820027207521	0.0291631491838352	0.0396834414443809	0.0966975546674314
THYM	BRPF3	cg10562781	0.0564055597633189	124	0.613698259204343	0.540595997338376	0.00318158717221334	0.715844099762407
THYM	BRPF3	cg14654948	-0.132893917955099	124	-1.45651637037811	0.147905692266898	0.0176607934294567	0.312800940422499
THYM	BRPF3	cg18779695	-0.0280105269647561	124	-0.304391640553317	0.761365696396456	0.000784589620843328	0.86731435557058
THYM	BRPF3	cg23517469	-0.122904172508782	124	-1.34528023172	0.181114359908797	0.0151054356200684	0.358348820986804
THYM	BRWD3	cg03164831	0.144553208701707	124	1.58691712035747	0.115207544990886	0.0208956301459593	0.263205388485471
THYM	BRWD3	cg05835545	0.141172656830846	124	1.54904124565777	0.124049714280519	0.0199297190366798	0.277019389903261
THYM	BRWD3	cg09523186	0.12485978659431	124	1.36702222745168	0.174216997174724	0.0155899663083767	0.349458192460883
THYM	BRWD3	cg11957438	0.11826733321671	124	1.29379218470947	0.198263907387866	0.0139871621310193	0.38084795694876
THYM	BRWD3	cg15511898	0.103022812670931	124	1.12510086868889	0.26282959945487	0.0106136999306297	0.458211803508704
THYM	BRWD3	cg22618269	0.116595526555418	124	1.275249473394	0.204725986761223	0.0135945168127352	0.388851046570549
THYM	BRWD3	cg25063710	0.0380679497355596	124	0.413823740665841	0.679754372972353	0.00144916879706909	0.815206445258236
THYM	BRWD3	cg25708850	0.114180896637924	122	1.23786153727288	0.21826699186881	0.0130372771570402	0.405911278099413
THYM	CARM1	cg12317676	0.0440607182315816	124	0.479087173550736	0.632763251502874	0.00194134689108283	0.783604008694202
THYM	CARM1	cg17918830	-0.115461275121831	124	-1.26267528166407	0.209195479341725	0.0133313060527592	0.394611021069085
THYM	CARM1	cg22378614	-0.0789438336612238	124	-0.860234271055743	0.391404336967157	0.00623212887313097	0.588498434287264
THYM	CARM1	cg26504915	0.143594297756735	124	1.57616773119543	0.117664421247426	0.0206193223482499	0.267172177885125
THYM	CBX1	cg01544580	0.303181648041544	124	3.45606295797837	0.000762626925513935	0.0919191117091867	0.00535014870984138
THYM	CBX1	cg01553295	-0.167638336126647	124	-1.84715839374297	0.0672292166679264	0.0281026117393107	0.178984108589811
THYM	CBX1	cg02835499	-0.187847950349182	124	-2.07753507989953	0.0399214898612803	0.0352868524503889	0.122297586701963
THYM	CBX1	cg04864609	-0.128531412061521	124	-1.40788631552964	0.161793771823583	0.0165203238865284	0.332248889613912
THYM	CBX1	cg11729481	-0.0457118826844314	124	-0.497077759957903	0.620059112749247	0.00208957621855522	0.774686462129397
THYM	CBX1	cg12245530	-0.16795386646798	124	-1.85073595424175	0.0667084837015603	0.028208501261544	0.177930459476074
THYM	CBX1	cg13342109	-0.120703125658079	124	-1.32082859905763	0.189114347020653	0.01456924454363	0.368887255205974
THYM	CBX1	cg17778721	0.0604525566473927	124	0.657886079456072	0.511892732451306	0.00365451160520622	0.693840827998921
THYM	CBX1	cg21511817	-0.0534414080508404	124	-0.581353045907376	0.562111392571485	0.00285598409445643	0.732403672557299
THYM	CBX4	cg04398978	0.019959175988178	124	0.216855346039281	0.828695562062215	0.000398368706127059	0.907891259506928
THYM	CBX4	cg04925705	0.0428312878478156	124	0.465694236649184	0.642292786331782	0.00183451921870243	0.789972095617376
THYM	CBX4	cg05949524	-0.0331179974249447	124	-0.359950987928832	0.719527218575854	0.00109680175343864	0.840884250849349
THYM	CBX4	cg07159673	-0.14575042592949	124	-1.60034433589024	0.112196218594893	0.0212431866586276	0.258567147451449

THYM	CBX4	cg10756274	0.0679044005860124	124	0.739337111940616	0.461170557130789	0.00461100761894564	0.650757323524856
THYM	CBX4	cg21365914	0.0734454283294265	124	0.799982127780412	0.425328719266231	0.00539423094249293	0.620101995663284
THYM	CBX4	cg22353329	0.0544858446831591	124	0.592748272698171	0.554483895069177	0.00296870727083734	0.726174982458402
THYM	CBX4	cg27487227	-0.0587225190806877	124	-0.638992515976443	0.524066229718765	0.00344833424718174	0.70324521641805
THYM	CBX5	cg03689456	-0.23686877334795	124	-2.64842323661686	0.00919312918120535	0.0561068157873625	0.0399692780150164
THYM	CBX5	cg05754589	-0.0431446321719953	124	-0.469107484272458	0.639858391392883	0.00186145928525677	0.78841441040882
THYM	CBX5	cg06399839	-0.256373551970464	124	-2.88122661291245	0.00470691722967799	0.065727398149952	0.0236347650425205
THYM	CBX5	cg06621757	0.0633183749233567	124	0.689196564541924	0.492052567781939	0.00400921660293477	0.677583726444483
THYM	CBX5	cg08288469	0.23810652995168	124	2.61223946246557	0.0101643546901773	0.054667421454027	0.0431867734986379
THYM	CBX5	cg09060496	-0.251159162572792	124	-2.8186359675829	0.00565727087591839	0.0630809249442663	0.027378023671614
THYM	CBX5	cg09158487	-0.172457983437999	124	-1.90186916150579	0.0596262869234511	0.0297417560515011	0.163924351165246
THYM	CBX5	cg09653879	-0.175974448464766	124	-1.9418752849485	0.0545356443854534	0.0309670065124784	0.153737712687417
THYM	CBX5	cg11005091	-0.156086218634941	124	-1.71656957824354	0.0886817558788099	0.0243629076477547	0.21861737544241
THYM	CBX5	cg11338003	-0.170601568602525	124	-1.88077943717296	0.0624668729338695	0.0291048952096421	0.16954079869579
THYM	CBX5	cg12263485	-0.0563112563846952	124	-0.612668962209781	0.541274190718358	0.00317095759562287	0.716303213281346
THYM	CBX5	cg12600134	0.123146121912559	124	1.3479692925784	0.180250328253753	0.0151649673421027	0.357373392637286
THYM	CBX5	cg13445218	-0.223465301800644	124	-2.49043287360038	0.014150241685978	0.0499367411088531	0.0557934060678646
THYM	CBX5	cg14017196	-0.120070427858921	124	-1.31380357582013	0.19146085400479	0.0144169076462244	0.371911072566857
THYM	CBX5	cg14394617	0.187597760381899	124	2.07466706186852	0.0401916077945417	0.0351929197003045	0.122885168266263
THYM	CBX5	cg15708001	-0.250965689124638	124	-2.81631870377978	0.0056956071337464	0.0629837771178042	0.0275258781985878
THYM	CBX5	cg20545544	-0.26026239300499	124	-2.92808098866883	0.00409386522349166	0.0677365132126838	0.0211346573227361
THYM	CBX5	cg20927027	-0.112834276184433	124	-1.23357178377674	0.219814018393028	0.0127315738820649	0.40788597812392
THYM	CBX5	cg21826008	0.0461162345562156	124	0.501484071751349	0.616964808680675	0.0021267070896439	0.772460379600739
THYM	CBX5	cg24505978	0.0673406067164275	124	0.733170492934258	0.464908495411916	0.00453475731293657	0.654122578576524
THYM	CBX5	cg25817259	-0.146995085046034	124	-1.61431124599089	0.109130900590174	0.0216075550276907	0.253492857200801
THYM	CBX6	cg03028106	-0.170792377927112	124	-1.88294616310584	0.0621699046892804	0.0291700363579974	0.168978303807143
THYM	CBX6	cg04134624	-0.171976418829956	124	-1.89639637068756	0.060352789312692	0.0295758886335764	0.16535482467393
THYM	CBX6	cg04215348	0.132358669211452	124	1.45054522920498	0.149559576106792	0.0175188173154264	0.31504668495299
THYM	CBX6	cg04801716	-0.066556763824321	124	-0.724586318963768	0.470140147626306	0.00442965805872303	0.658731361342186
THYM	CBX6	cg06060673	-0.0707787423201565	124	-0.770787044431042	0.442373756417184	0.00500963036442312	0.634746002300356
THYM	CBX6	cg09913544	0.12834845404137	124	1.40584866921886	0.162396757702667	0.0164733256548097	0.333042228032135
THYM	CBX6	cg14498989	0.0848639976118307	124	0.925196583550385	0.356751909913804	0.00720189809066082	0.555595876542352
THYM	CBX6	cg24649346	-0.0560345390192586	124	-0.609648758563398	0.543266653083928	0.00313986956310082	0.717609366149541
THYM	CBX6	cg25836955	0.0955312779070821	124	1.0425032649681	0.299309562782157	0.00912622505856015	0.497617779615399
THYM	CBX7	cg00545295	-0.0387505973407013	124	-0.421255632217564	0.674334756835593	0.00150160879426116	0.811724790207874
THYM	CBX7	cg01525244	-0.0273963199236546	124	-0.297711955665696	0.766446536168237	0.000750558345359233	0.870538775837643
THYM	CBX7	cg02523424	-0.0664958340181886	124	-0.723931925103773	0.47054031675016	0.00442169594177449	0.659102117491842
THYM	CBX7	cg03804568	-0.165959568725858	124	-1.82813390677379	0.0700555530543804	0.0275425784516728	0.184479781135755
THYM	CBX7	cg10339854	-0.16318241414745	124	-1.79669783521157	0.0749418211181815	0.0266285002869898	0.193774392931784
THYM	CBX7	cg22268271	-0.151920909899748	124	-1.66966386356934	0.0976367188922449	0.0230799628647674	0.234051569267731
THYM	CBX7	cg26672614	-0.009491615403938	124	-0.103109979372843	0.918050715676781	9.0090762976273e-05	0.956844747303691
THYM	CBX7	cg27062573	-0.177419493353118	124	-1.95833741220097	0.0525501593214014	0.031477676621677	0.149609774720919
THYM	CDYL2	cg01442398	-0.0255468584640952	124	-0.277600517395549	0.781804807138119	0.000652641977384514	0.879452572309566
THYM	CDYL2	cg02461391	-0.0114591944523857	124	-0.124486887592474	0.901141600914948	0.000131313137497587	0.947878637482339
THYM	CDYL2	cg06919916	-0.0385147056170149	124	-0.418687444872104	0.676205659712558	0.00148338254876532	0.812884395850588
THYM	CDYL2	cg10112854	-0.147570431259263	124	-1.62077012302038	0.107736232186347	0.0217770321820449	0.251326389789634
THYM	CECR2	cg03927893	0.0123341376306749	124	0.133993222276115	0.893636199073602	0.000152130951092431	0.943635361456408
THYM	CECR2	cg12632097	-0.0679365847632677	124	-0.739689154844769	0.460957678328985	0.00461537954929666	0.650621682505384
THYM	CECR2	cg13466481	-0.0203807416987429	124	-0.2214375178618	0.825134527451109	0.000415374632190876	0.906029113780554
THYM	CECR2	cg26796679	0.0110302179340194	124	0.119826125774278	0.904824661859896	0.000121665707671964	0.94958316156046
THYM	CHAF1A	cg03006338	-0.00831572206088836	124	-0.0903349868151382	0.928174177853098	6.91512333939454e-05	0.962123172752521
THYM	CHAF1A	cg04346879	-0.00160519766179978	124	-0.0174369323096523	0.98611749479338	2.57665953344749e-06	0.99277163664877
THYM	CHAF1A	cg05297461	0.136499467439205	124	1.49677333446707	0.137122284553698	0.0186321046111866	0.296998385293046
THYM	CHAF1A	cg07783855	0.0207630691552473	124	0.225593295002367	0.821908011635375	0.000431105040745583	0.904386593830712
THYM	CHAF1A	cg09700233	-0.0016444400353201	124	-0.0178632152873419	0.985778143331418	2.70418302976356e-06	0.992553031623472
THYM	CHAF1A	cg18804734	0.18516737170126	124	2.04682831856852	0.0428961057957107	0.0342869555427525	0.128848976959401
THYM	CHAF1A	cg23811775	0.0395613634456109	124	0.430083100681979	0.667919617357308	0.00156510147767572	0.80737629007547

THYM	CHAF1A	cg24085258	-0.071782641682722	124	-0.781775827760132	0.435912159302367	0.00515274764695006	0.629061158998646
THYM	CHAF1B	cg00660452	0.511202759645213	124	6.46112958875281	2.42899532410154e-09	0.261328261468881	7.48954666045007e-08
THYM	CHAF1B	cg02544117	0.136573442854529	124	1.49759991914462	0.136907483574261	0.0186523052931392	0.296665090213425
THYM	CHAF1B	cg02908490	0.367876921361052	124	4.29753292431702	3.57084213393933e-05	0.135333429270086	0.000397069887032128
THYM	CHAF1B	cg04634639	-0.141936853629159	124	-1.55759845650561	0.122006518655124	0.0201460704181454	0.273787034132078
THYM	CHAF1B	cg07872789	0.157128436221085	124	1.72832060525237	0.0865465587982911	0.0246893454692836	0.214858405512964
THYM	CHAF1B	cg13854874	0.266709258335313	124	3.00609375993255	0.00323366658384556	0.0711338284817727	0.0175066656635974
THYM	CHAF1B	cg25942896	0.2909206562599	124	3.30307450722564	0.00126617089167547	0.0846348282386908	0.00816781280916286
THYM	CHD1	cg03255775	-0.107523734243963	124	-1.17481770732978	0.242432946083136	0.0115613534257664	0.434828778447225
THYM	CHD1	cg03833628	-0.195979261453127	124	-2.17097923949483	0.0319350279149554	0.0384078709197132	0.103407016092239
THYM	CHD1	cg08865521	-0.00737990370575787	124	-0.0801684571380552	0.936239083621268	5.44629787062588e-05	0.965978106755169
THYM	CHD1	cg11365324	-0.194360805731576	124	-2.1523437307933	0.0334068124304629	0.0377761228046276	0.106917777845817
THYM	CHD1	cg12662497	0.110690994815161	124	1.20984664329728	0.228755901221708	0.0122524963331699	0.418686160823489
THYM	CHD1	cg16890600	-0.00058003951344471	124	-0.0063008429707188	0.994983327902215	3.36445837157182e-07	0.997367964782302
THYM	CHD1	cg21082921	-0.158979220860121	124	-1.74920286509299	0.0828560244410175	0.0252743926652913	0.208103952826494
THYM	CHD4	cg00079216	0.0472328116622964	124	0.513652949057796	0.608455130038754	0.00223093849752596	0.766234858538807
THYM	CHD4	cg00824109	-0.148262609665384	124	-1.62854279612103	0.10607686393285	0.02198180142479	0.248394828728716
THYM	CHD4	cg04344119	-0.0974269538537903	124	-1.06338648526697	0.289778045021268	0.00949201133722858	0.487252149809154
THYM	CHD4	cg05147525	0.245525562708663	124	2.75130749443403	0.00687269308226292	0.0602828019434056	0.0319520878289345
THYM	CHD4	cg11565429	-0.106230049282599	124	-1.16052041951305	0.248179508724334	0.0112848233705835	0.441471582139364
THYM	CHD4	cg19509514	-0.244027516608802	124	-2.73345429517124	0.00723260466424882	0.0595494288622593	0.0332515557596289
THYM	CHD4	cg20308811	-0.190124793894114	124	-2.10365470836466	0.0375324566736812	0.0361474372532794	0.116862114647683
THYM	CHRA1	cg00296189	-0.0889165239597787	124	-0.969721670372443	0.334168725390635	0.0079061482330899	0.53373882975491
THYM	CHRA1	cg07270064	-0.0214298625623503	124	-0.232841364029791	0.816287987221497	0.000459239009441222	0.901112623318942
THYM	CHRA1	cg08877624	0.0841177182096228	124	0.917002325829019	0.361011814657046	0.0070757905167935	0.559865899356703
THYM	CHRA1	cg12002314	0.0239496140583323	124	0.260234044113518	0.795136795908404	0.000573584013543066	0.887816972154183
THYM	CHRA1	cg18770186	0.00434731033108831	124	0.0472243241046275	0.962414274075887	1.88991071147871e-05	0.980256828372825
THYM	CHRA1	cg19486048	0.0388467076305149	124	0.422302019055345	0.673573056321831	0.0015090669373071	0.811189630659013
THYM	CHRA1	cg22610305	0.0560650657356978	124	0.609981932387996	0.543046673199059	0.00314329159594812	0.717500118269415
THYM	CHRA1	cg23548819	0.00904203047717544	124	0.0982256077304715	0.921919808087206	8.17583151501694e-05	0.959052038596669
THYM	CLOCK	cg05960024	-0.567965425554487	124	-7.49610066523394	1.33015673158222e-11	0.322584724625289	6.18278142763485e-10
THYM	CLOCK	cg06085476	0.0771754379976701	124	0.840847646577176	0.402133950988653	0.00595604823013221	0.598672061682352
THYM	CLOCK	cg07236904	0.0762492030871561	124	0.830696686647555	0.407822630207895	0.00581394097142637	0.603916581535634
THYM	CLOCK	cg07500410	0.0952787040550982	124	1.03972172028399	0.300594925523565	0.00907803144641898	0.498879584336311
THYM	CLOCK	cg11774413	0.135051891497892	124	1.48060356180675	0.141377408870835	0.0182390133971585	0.30341013947137
THYM	CLOCK	cg18928811	-0.0543482802973762	124	-0.591247278754088	0.555485660327898	0.00295373557128217	0.726936235567549
THYM	CLOCK	cg22523077	0.0283946296961832	124	0.30856904726964	0.758193463420545	0.000806254995583369	0.865198981287301
THYM	CLOCK	cg23506964	0.135437709406453	124	1.48491229239617	0.140233634130073	0.0183433731292668	0.30171881438527
THYM	CREBBP	cg00039463	-0.283049777769636	124	-3.20580843417554	0.00173312305868108	0.0801171766954403	0.0105804422213792
THYM	CREBBP	cg00747661	-0.0242164885179224	124	-0.263135566742383	0.792905001955441	0.000586438316138667	0.886455879080078
THYM	CREBBP	cg03039399	0.148900450479338	124	1.63570746280642	0.104565536469657	0.0221713441529498	0.24592832917497
THYM	CREBBP	cg03264209	-0.277826164178824	124	-3.14164698459224	0.00212416909188579	0.0771873775023188	0.0124708439180686
THYM	CREBBP	cg08506924	-0.223455910639435	124	-2.49032271204083	0.0141544044543491	0.0499325439996994	0.0558069910355094
THYM	CREBBP	cg24567591	-0.234242698930431	124	-2.61734643652132	0.0100218896181436	0.0548696420022126	0.0427037783290717
THYM	CTCF	cg01866162	0.0677851697377333	124	0.738032939281713	0.46195966927955	0.00459482923637332	0.65147208481282
THYM	CTCF	cg04487155	-0.18510246381159	124	-2.04608537087316	0.0429703669350203	0.0342629221091209	0.129001073094263
THYM	CTCF	cg06241380	-0.115419613275893	124	-1.26221351846982	0.209360965048035	0.0133216871287566	0.394789162888057
THYM	CTCF	cg07967402	0.0703686637055661	124	0.766298961808948	0.445028707528632	0.00495174883170705	0.63693428890594
THYM	CTCF	cg08324636	0.0433117681340362	124	0.470928146507088	0.638561461429579	0.00187590925889652	0.78744416563454
THYM	CTCF	cg10218542	-0.125440947660934	124	-1.37348652838108	0.172205085518299	0.0157354313500732	0.346629124995099
THYM	CTCF	cg10481400	-0.0854071127849561	124	-0.931161053316588	0.353671447611582	0.00729437491426221	0.552686686941548
THYM	CTCF	cg23858565	-0.0926096414789802	124	-1.01034015075774	0.314399617905476	0.00857654569486525	0.513422139370641
THYM	CXXC1	cg02159718	0.00350294862435283	124	0.0380519954403538	0.969710527560876	1.22706490648554e-05	0.984061878304425
THYM	CXXC1	cg07675399	0.115453434378806	124	1.26258837749662	0.209226616538816	0.0133294955098612	0.394641048565141
THYM	CXXC1	cg11871295	0.135880334159691	124	1.48985627717734	0.138930123626272	0.0184634652113492	0.299621036742688
THYM	CXXC1	cg13423076	0.0495287276429672	124	0.538680819667951	0.59112189346256	0.00245309486193123	0.753895708538311
THYM	CXXC1	cg15632775	0.0823475560849096	124	0.897571873790503	0.371241533942904	0.00678111999315733	0.569924692969852

THYM	CXXC1	cg20016845	0.0872385491182567	124	0.951280012047453	0.343406678073917	0.00761056445225848	0.542781540876176
THYM	CXXC1	cg27419474	-0.150658496521395	124	-1.65546588378861	0.100487248686871	0.0226979825740871	0.239032076331532
THYM	DAXX	cg00221327	0.0253754483369558	124	0.275736714725393	0.783232591931458	0.000643913378301512	0.880375614170146
THYM	DAXX	cg02173004	-0.130027371404536	124	-1.4245526690176	0.156925908757811	0.0169071173143732	0.325526482478406
THYM	DAXX	cg02328295	0.0824005706965473	124	0.898153671493549	0.370932608369487	0.00678985405111668	0.569641536914856
THYM	DAXX	cg03085224	-0.236086108759514	124	-2.63915483961037	0.00943357241899452	0.0557366507492089	0.040696940415096
THYM	DAXX	cg03369465	-0.118554057797096	124	-1.29697348261052	0.197170585495521	0.0140550646201573	0.379398167850764
THYM	DAXX	cg03382121	-0.0384288172296283	124	-0.417752382996081	0.676887348288331	0.00147677399366818	0.813372621484679
THYM	DAXX	cg03902329	0.00020110002144667	124	0.00218450543392286	0.998260707044106	4.04412186258512e-08	0.999036231260181
THYM	DAXX	cg04086445	-0.147310222628962	124	-1.61784879475058	0.108365255601167	0.0217003016909944	0.25228888698747
THYM	DAXX	cg04152866	-0.075207815314729	124	-0.819286304631913	0.414274748724059	0.00565621548441439	0.609860721018818
THYM	DAXX	cg04271391	-0.188636102727875	124	-2.08657269887969	0.0390804804988848	0.0355835792523615	0.120409794444542
THYM	DAXX	cg04488476	0.0269093657758162	124	0.292416424161169	0.770481785723901	0.000724113966456667	0.872846712312954
THYM	DAXX	cg04973788	-0.182850187846104	124	-2.02032249889499	0.0456144227978413	0.0334341911953557	0.134919904457445
THYM	DAXX	cg05431670	0.0126581675293843	124	0.137513912606342	0.890858967136533	0.000160229205201958	0.942276339439278
THYM	DAXX	cg05532204	0.0663726477205621	124	0.722584871388275	0.471364654291568	0.00440532836543783	0.659627312262025
THYM	DAXX	cg06171013	-0.0904980313113287	124	-0.987110725254008	0.325608104724848	0.00818989367122624	0.525025015523874
THYM	DAXX	cg07689821	-0.0652589587534865	124	-0.710408076725105	0.478852803915937	0.00425873169758925	0.666284312752864
THYM	DAXX	cg08375286	-0.152689263972638	124	-1.67830939818313	0.0959332516782159	0.0233140113325058	0.231175274325655
THYM	DAXX	cg08567382	-0.132247824140062	124	-1.44930882263459	0.149903814595712	0.0174894869897806	0.315497016197545
THYM	DAXX	cg09097215	-0.00750396857866807	124	-0.0815162585869367	0.93516950012544	5.63095444296376e-05	0.965489191819067
THYM	DAXX	cg09432361	0.0939985762853834	124	1.02562703698773	0.307165339032538	0.00883573234367903	0.505663204348596
THYM	DAXX	cg09615909	-0.217531718024587	124	-2.42097374994643	0.0170025505118126	0.0473200483467286	0.0642522303757868
THYM	DAXX	cg11111423	-0.252544767960639	124	-2.8352421553288	0.00538936680842657	0.063778859824293	0.026335452355197
THYM	DAXX	cg12025215	-0.092505671075243	124	-1.00919607277889	0.314945562048827	0.00855729918108105	0.514054698796241
THYM	DAXX	cg12832355	-0.237963361579612	124	-2.66139463403763	0.00886592073696017	0.0566265614542691	0.0388900726141009
THYM	DAXX	cg12923297	-0.0581591931306445	124	-0.632841746111297	0.528061479663463	0.00338249174560761	0.70652242682607
THYM	DAXX	cg13443893	-0.0944093793995561	124	-1.03014956945046	0.305046689106177	0.00891313091860933	0.503560712394982
THYM	DAXX	cg13826470	0.074591352306255	124	0.812533053659617	0.418122087396641	0.00556386983887586	0.613527541485454
THYM	DAXX	cg14539675	0.116912003552776	124	1.27875880436158	0.20349123969689	0.0136684165747243	0.387325915709912
THYM	DAXX	cg14622330	-0.102157674123029	124	-1.11555271695122	0.266880326869628	0.010436190382227	0.462594152280383
THYM	DAXX	cg14746369	-0.0179553647221068	124	-0.195076634028237	0.845668446655133	0.000322395122303876	0.917569962050397
THYM	DAXX	cg14910283	-0.291957052030829	124	-3.31593595787035	0.00121408995566722	0.0852389202305324	0.00789574603002642
THYM	DAXX	cg16922466	-0.149499154202672	124	-1.64243441432515	0.103162350017243	0.0223499971073144	0.243496825062696
THYM	DAXX	cg17079757	-0.190270138407265	124	-2.10532327062929	0.0373841186091052	0.0362027255695199	0.116516831854036
THYM	DAXX	cg17504991	-0.05757759872895	124	-0.626492145385128	0.532202307963084	0.00331517987539199	0.709694304667287
THYM	DAXX	cg18187593	-0.167396147576965	124	-1.84441279676384	0.0676311469973623	0.0280214702236091	0.179811942908845
THYM	DAXX	cg18279148	-0.195526537450112	124	-2.16576455402196	0.032341088618566	0.0382306268472302	0.104387297651345
THYM	DAXX	cg18486541	-0.169434983456748	124	-1.86753706556941	0.0643077830923567	0.0287082136189886	0.173171784343065
THYM	DAXX	cg18944910	-0.238968975653325	124	-2.67332111717301	0.00857440649676048	0.0571061713247995	0.0378933919791504
THYM	DAXX	cg18967278	0.0267968044347163	124	0.291192371282672	0.771415427111477	0.000718068727912432	0.873313615796822
THYM	DAXX	cg20223162	-0.196489501792254	124	-2.17685815547619	0.031482559049715	0.0386081243145682	0.102338981424738
THYM	DAXX	cg20763184	-0.198003644216081	124	-2.1943147382046	0.0301716864115715	0.0392054431228485	0.0991220436847956
THYM	DAXX	cg21286626	-0.00266828042093528	124	-0.0289850476844886	0.976925481162408	7.11972040474653e-06	0.987897320701266
THYM	DAXX	cg24328964	-0.0854397066149674	124	-0.931519024034499	0.353487110102009	0.00729994346645171	0.552543844529382
THYM	DAXX	cg24496586	-0.0447626486352743	124	-0.486734704719291	0.62734920142216	0.00200369471284503	0.779741233031404
THYM	DAXX	cg24513883	-0.27023439563455	124	-3.04893383529309	0.00283551637446241	0.0730266285839706	0.0157347999739588
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THYM	DAXX	cg25642825	-0.169247308922661	124	-1.86540745370805	0.0646080271611695	0.0286446515775628	0.17375174974854
THYM	DAXX	cg26521092	0.0298051504536851	124	0.323910711405296	0.746579046106823	0.000888346993566804	0.857690506126089
THYM	DAXX	cg27052777	-0.297696466541959	124	-3.38739385821173	0.000959401866983077	0.0886231861915679	0.00648554995134528
THYM	DAXX	cg27393652	0.0111135585905874	124	0.12073160352756	0.904108963819351	0.000123511184546419	0.949269017813757
THYM	DIDO1	cg00080059	0.0663443922373345	124	0.722275899711109	0.47155384501262	0.00440157838134128	0.65974910897992
THYM	DIDO1	cg01488865	0.033789884281474	124	0.367261817395714	0.714081568564897	0.00114175627975541	0.837321559522152
THYM	DIDO1	cg06646488	-0.00169575409947636	124	-0.0184206310347009	0.985334404832457	2.87558196589089e-06	0.992363122736509
THYM	DIDO1	cg08610063	0.196614143089839	124	2.17829453396483	0.0313728588969422	0.0386571212629518	0.102079559372149
THYM	DIDO1	cg13815390	-0.015479543916846	124	-0.16817103713885	0.86673662810988	0.000239616279873565	0.929180459818372

THYM	DIDO1	cg20969846	-0.0453408846701742	124	-0.493035127959324	0.622904032092417	0.00205579582267404	0.776648335939313
THYM	DIDO1	cg21212389	0.0175552890007487	124	0.190728643295442	0.84906595618176	0.000308188171899809	0.919526158087897
THYM	DIDO1	cg21687703	-0.0542487901639091	124	-0.590161742029901	0.556210706261657	0.00294293123424784	0.727603552824486
THYM	DIDO1	cg22394521	0.0431921553524854	124	0.46962516452983	0.639489513561447	0.00186556228399324	0.788206591323899
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THYM	DMAP1	cg11683482	0.187631350030554	124	2.07505208781484	0.0401552539908667	0.0352055235142883	0.122816505955002
THYM	DMAP1	cg15990015	-0.0795231885977277	124	-0.866587409860184	0.387926804157412	0.00632393752474978	0.585771808509903
THYM	DMAP1	cg18017761	-0.0538329553619271	124	-0.585624759459512	0.559246074148061	0.00289798708299924	0.730119428721395
THYM	DMAP1	cg18167340	0.204760508832016	124	2.27241617944856	0.0248718911789418	0.0419268659771462	0.0858727100290519
THYM	DMAP1	cg21437596	0.203986873161991	124	2.26345692363323	0.0254352506358077	0.0416106444224062	0.0873217073240079
THYM	DMAP1	cg23021241	-0.0122890698797024	124	-0.133503549860587	0.894022573615777	0.000151021238508208	0.943822998839414
THYM	DMAP1	cg23451311	0.0385480737117211	124	0.419050723883079	0.675940890698223	0.00148595398688428	0.812694833652981
THYM	DMAP1	cg24485408	0.0176832011445339	124	0.192118772110935	0.847979400846128	0.000312695602718045	0.918845987149665
THYM	DNMT1	cg04160663	0.0386361715341927	124	0.420009853114719	0.675242042657694	0.00149275375081956	0.812224069433043
THYM	DNMT1	cg04762346	-0.0111321765236202	124	-0.120933883584724	0.903949090539821	0.000123925354153041	0.949155299598882
THYM	DNMT1	cg06128182	0.053408456567382	124	0.580993563208498	0.562352848498684	0.00285246323290992	0.732559099162043
THYM	DNMT1	cg06716436	0.0940875072009126	124	1.02660603274014	0.306705878539517	0.00885245901128179	0.505165498318902
THYM	DNMT1	cg10635912	0.0428189577401719	124	0.465559928084797	0.642388657686695	0.00183346314195462	0.78997997713722
THYM	DNMT1	cg11380607	-0.152278748939945	124	-1.6736889886816	0.0968404319825515	0.0231888173787147	0.232698210522027
THYM	DNMT1	cg13393778	-0.0898300616290571	124	-0.979765326855552	0.329206465668369	0.00806943997228019	0.528897769406574
THYM	DNMT1	cg15043801	0.203594548016937	124	2.25891520927721	0.0257250821782067	0.0414507399822209	0.0880331255431052
THYM	DNMT1	cg21893394	0.111059635185362	124	1.21392609624988	0.227199981960794	0.0123342425675058	0.416813680473927
THYM	DNMT1	cg23401624	-0.0548752821413468	124	-0.596997690559799	0.55165269075601	0.00301129659009241	0.724015867612611
THYM	DNMT1	cg24477899	-0.0664912049786081	124	-0.723881305521045	0.470571279121933	0.00442108033950728	0.659113461360275
THYM	DNMT1	cg27429799	-0.0924489661218693	124	-1.00857211223818	0.31524357638346	0.00854681133700254	0.51442239383246
THYM	DNMT3A	cg02208653	-0.0155697688235032	124	-0.169151484928217	0.865967115556882	0.000242417701217333	0.928790490180813
THYM	DNMT3A	cg03463641	-0.210874018280468	124	-2.34337302178169	0.02078366879312	0.044467851585751	0.0749893200729085
THYM	DNMT3A	cg06112956	-0.300310605625362	124	-3.42007378391145	0.000860462869689008	0.090186459851072	0.00592379190129086
THYM	DNMT3A	cg07150430	0.209605381844731	124	2.32862518726428	0.0215808948436986	0.0439344160982756	0.0771678678741815
THYM	DNMT3A	cg12066181	-0.0611929651202546	124	-0.665973812943184	0.506727686445009	0.0037445789802087	0.68964102085707
THYM	DNMT3A	cg13076778	-0.019608953160131	124	-0.213048717571272	0.831656600174716	0.000384511044036211	0.909713206794132
THYM	DNMT3A	cg13344237	-0.209743846023392	124	-2.33023422670859	0.0214926235469926	0.0439924809446843	0.0769654371301208
THYM	DNMT3A	cg15990840	0.0130152625733328	124	0.141393916733548	0.887799868428478	0.000169397059852798	0.940344778745559
THYM	DNMT3A	cg15998962	-0.109717570212492	124	-1.19907694435062	0.232900383009604	0.0120379452133332	0.423629003169012
THYM	DNMT3A	cg21629895	-0.0667958007654817	124	-0.727212228800815	0.468536290901315	0.00446167899990193	0.657466985594562
THYM	DNMT3A	cg21708767	-0.108040494101621	124	-1.18053041338422	0.2401635211894	0.0116727483657225	0.432123253016195
THYM	DNMT3A	cg22731525	0.0960253490293191	124	1.04794495824037	0.296805689120735	0.00922086765620256	0.494782721870567
THYM	DNMT3A	cg25044635	0.176209186243888	124	1.94454856176402	0.0542089761949608	0.0310496773167331	0.15307909236227
THYM	DNMT3A	cg26470599	0.0650229366375634	124	0.707827814297308	0.480447949300732	0.00422798228897259	0.667749946722548
THYM	DNMT3A	cg26995204	-0.0669135191177199	124	-0.728499598709632	0.46775111126204	0.00447741904071746	0.656779834479805
THYM	DNMT3B	cg00300969	0.144631113424137	124	1.58779063220351	0.115009703962635	0.0209181589703056	0.262896368711818
THYM	DNMT3B	cg13636640	-0.187431291004172	124	-2.07275899514466	0.0403721831981681	0.0351304888474908	0.123232897265883
THYM	DNMT3B	cg14224313	0.486328537419831	124	6.04603463190978	1.78800157241743e-08	0.236515446308911	4.64271676651007e-07
THYM	DNMT3B	cg16523653	0.11491242513242	124	1.25659258906183	0.211383084978937	0.013204865449814	0.397379950078743
THYM	DNMT3B	cg16953106	0.0494566064937286	124	0.537894496046498	0.591662954972455	0.00244595592587552	0.754238968917861
THYM	DNMT3B	cg17475857	0.187341521168507	124	2.07173013297071	0.0404698413452711	0.0350968455537302	0.123409934444515
THYM	DNMT3B	cg17721173	-0.00439052698960227	124	-0.0476937906210515	0.962040911020962	1.9276727246426e-05	0.980106956607672
THYM	DNMT3B	cg22605822	0.444939782431594	124	5.39693660680703	3.55115938861246e-07	0.197971409990274	6.77271128898549e-06
THYM	DNMT3B	cg24403338	0.21947476216794	124	2.44368772450314	0.0160180695139238	0.0481691712286737	0.0613393896020769
THYM	DNMT3B	cg25803642	-0.277990610693778	124	-3.14366222864594	0.00211073144008408	0.0772787796338995	0.0124085424053428
THYM	DNMT3L	cg09247319	0.0375864958762253	124	0.408582567565218	0.683586557295646	0.0014127446722535	0.817755236712911
THYM	DNMT3L	cg15635600	0.0160623656620971	124	0.174504464849149	0.861768072766958	0.000257999590662915	0.92658151916918
THYM	DNMT3L	cg27187798	0.0363892756267827	124	0.395550690156269	0.693150734279821	0.00132417938064196	0.823855164434462
THYM	DPF1	cg06168449	-0.0317017121532966	124	-0.344541915901258	0.731052074573297	0.00100499855345048	0.848055726716796
THYM	DPF1	cg06615189	-0.0566286534546585	124	-0.61613333481292	0.538993265478319	0.0032068043920878	0.714548867514533
THYM	DPF1	cg07480327	-0.0324795770061917	124	-0.353004761003995	0.724714681152931	0.00105492292250114	0.844052564908
THYM	DPF1	cg08057062	-0.143287468959495	124	-1.57272914005349	0.118459076436718	0.0205312987608182	0.268389020046541

THYM	DPF1	cg13322582	-0.0139305308564236	124	-0.151338983929851	0.879966745519928	0.000194059689941771	0.936331509635722
THYM	DPF1	cg13917712	-0.136942222425376	124	-1.50172096041498	0.135840486914387	0.0187531722828013	0.29495070117831
THYM	DPF1	cg17121541	0.0871531115965838	124	0.950341236959942	0.343881315975951	0.00759566486096659	0.54322996984594
THYM	DPF1	cg22145401	-0.0384872240700514	124	-0.418388253859281	0.676423749861466	0.00148126641661834	0.813054637547672
THYM	DPF1	cg27400772	-0.0708155183956052	124	-0.771189557303675	0.442136096840486	0.0050148376456383	0.634511428410718
THYM	DPF2	cg02186298	0.129891367429333	124	1.42303705342718	0.157363884040553	0.016871767332662	0.326056081827313
THYM	DPF2	cg14699126	-0.0585879717268937	124	-0.637523382434074	0.525019081204898	0.0034325504310713	0.704096297716369
THYM	DPF2	cg15918224	-0.0998320278071456	124	-1.08989820347384	0.277978710243581	0.00996643377608669	0.474816955976296
THYM	DPF2	cg15929437	-0.0838627910824895	124	-0.914203545252617	0.362474174853187	0.00703296772814529	0.561406306413332
THYM	DPF2	cg18224556	0.0201003607417992	124	0.218389928430168	0.827502560408822	0.000404024501950463	0.90731141693669
THYM	DPF2	cg19517014	-0.139594601827943	124	-1.53137965503649	0.128352183722766	0.019486652859502	0.283552842066475
THYM	DPF3	cg00888802	-0.0375375265981668	124	-0.408049497277672	0.683976786862551	0.00140906590310808	0.817987826979435
THYM	DPF3	cg05151458	-0.0868318281318454	124	-0.946811209842085	0.345669866508247	0.00753976637671833	0.544949076436561
THYM	DPF3	cg07171024	-0.0266667795976708	124	-0.289778424701849	0.772494326581985	0.00071111713411075	0.873873746050094
THYM	DPF3	cg10266394	-0.140819794843346	124	-1.54509097395794	0.125001993741824	0.0198302146197221	0.278396939626437
THYM	DPF3	cg12913429	-0.0136219784187444	124	-0.147986292097777	0.882606167195798	0.000185558296040739	0.937680628107672
THYM	DPF3	cg13819165	-0.0992005484041389	124	-1.08293540343799	0.281045026524897	0.0098407488036819	0.478234786910641
THYM	DPF3	cg14238615	-0.123667680498517	124	-1.35376680138426	0.17839806668926	0.0152936951998833	0.355012071410433
THYM	DPF3	cg14242696	0.0880595041375619	124	0.960301627920746	0.338867035710772	0.00775447626895327	0.538212841108203
THYM	DPF3	cg15392845	-0.0389755380690283	124	-0.423704660183145	0.672552557876694	0.00151909256777028	0.81044508665916
THYM	DPF3	cg15740492	0.0977828258547514	124	1.06730815197582	0.288011457077788	0.00956148103214065	0.485536412514832
THYM	DPF3	cg16696021	-0.189945114047243	124	-2.10159217310379	0.0377165204281039	0.0360791463504203	0.11729120581873
THYM	DPF3	cg19710444	-0.131138251064873	124	-1.436935278942	0.153382629490197	0.0171972408923538	0.320587003722741
THYM	DPF3	cg19839347	-0.160573772436317	124	-1.76720922976277	0.0797783696815476	0.02578393639443	0.202663560866684
THYM	DPF3	cg20548765	-0.146637979139818	124	-1.61030319276841	0.11000360715885	0.0215026969262097	0.255002253205269
THYM	DPF3	cg21035356	0.0804500976952117	124	0.876753627936109	0.382401914602855	0.00647221821916911	0.580762524473012
THYM	DPF3	cg22784589	-0.0896300363111436	124	-0.977565987347971	0.330288935098933	0.00803354340913693	0.530026330122175
THYM	DPF3	cg23515460	0.00942131932879031	124	0.102346266098608	0.918655554137663	8.8761257895038e-05	0.957068512771424
THYM	DPF3	cg24383902	-0.163438042471894	124	-1.79958958006581	0.0744808745245093	0.0267119937270447	0.192868822074418
THYM	DPF3	cg25495195	-0.107629639107231	124	-1.17598839175059	0.241966640928043	0.0115841392143528	0.434278186938277
THYM	DPF3	cg26057784	0.277209632789625	124	3.13409423477778	0.00217524081368122	0.0768451805113586	0.0127061633773477
THYM	EED	cg00080012	0.0200603536915472	124	0.217955077640318	0.827840577516563	0.000402417790229973	0.907452970836894
THYM	EED	cg01739327	0.0686701101827516	124	0.747713369086418	0.456120581138894	0.00471558403251124	0.646352225748098
THYM	EED	cg02172616	-0.171419874458758	124	-1.89007320947969	0.0612014150869928	0.0293847733594564	0.166997645923449
THYM	EED	cg04607174	-0.232697492482638	124	-2.59908894528266	0.0105396456842988	0.0541481230077072	0.0443992633543261
THYM	EED	cg06358433	-0.1491012119516	124	-1.63796298528626	0.104093352501295	0.0222311714054359	0.245143894423326
THYM	EED	cg10086030	-0.236896739659166	124	-2.64875451758516	0.00918463845812731	0.0561200652611427	0.0399393376475395
THYM	EED	cg10535675	-0.104819507414432	124	-1.14493846588713	0.254551604185883	0.0109871291346042	0.448783852601396
THYM	EED	cg12672785	0.0518261981255094	124	0.563734205287685	0.574004835780821	0.00268595481214455	0.741270454759847
THYM	EED	cg16265078	-0.217932167542823	124	-2.42565247848339	0.0167954727290132	0.0474944296499133	0.0636459158011035
THYM	EED	cg18574463	-0.0195027508650523	124	-0.211894403244877	0.832554979820941	0.000380357291304299	0.91017015864441
THYM	EED	cg19325359	-0.202826850640643	124	-2.25003131600912	0.02630038491186	0.0411387313408015	0.0894940138147683
THYM	ELP3	cg01209934	0.051162292271885	124	0.556493560868003	0.578927330874183	0.00261758015051378	0.745058992237651
THYM	ELP3	cg02516513	-0.0520518530722669	124	-0.566195397937491	0.572336197159688	0.00270939540825687	0.73993854589003
THYM	ELP3	cg04720865	-0.0414487606316755	124	-0.45063605108834	0.653078810213681	0.00171799975790193	0.797393518841982
THYM	ELP3	cg05621091	-0.0548719696368019	124	-0.596961544412714	0.551676743011564	0.0030109330518221	0.724022210436628
THYM	ELP3	cg15692687	-0.0892553380024735	124	-0.973446385612561	0.332322789219014	0.00796651536193579	0.532045081781875
THYM	ELP3	cg17572663	0.0485864484465436	124	0.528407984132247	0.598208607731448	0.00236064297264864	0.758776300103349
THYM	ELP3	cg18022570	-0.049814725498681	124	-0.541799084958794	0.588978517800082	0.00248150687650894	0.752373305587353
THYM	ELP3	cg18249244	-0.0231742513475125	124	-0.251804429788017	0.801630264113449	0.000537045925517685	0.891739183898286
THYM	ELP3	cg19781013	0.0748989229618239	124	0.815902322067145	0.416199952080137	0.00560984866084123	0.611791831002063
THYM	ELP3	cg22414525	-0.269945264017362	124	-3.04541514684054	0.00286642513216711	0.0728704455654033	0.015881018576985
THYM	ELP3	cg22487209	-0.0430040446108568	124	-0.467576052304642	0.640950155042029	0.00184934785289256	0.789031812535044
THYM	ELP3	cg25374552	0.118078489749858	124	1.29169708542746	0.198986381954837	0.0139425297416074	0.381711954376747
THYM	ELP4	cg04972224	-0.0268389519606356	124	-0.291650704965579	0.771065795593876	0.000720329342345305	0.873125535117432
THYM	ELP4	cg05195750	0.153915816222795	124	1.69211705208886	0.0932627062621933	0.023690078483529	0.226567948399321
THYM	ELP4	cg05635455	-0.041347927477148	124	-0.449537900820366	0.653868320224241	0.00170965110665549	0.7980268916949

THYM	ELP4	cg08111895	-0.0227143073092063	124	-0.24680421057607	0.805488613104099	0.000515939756537064	0.894330790509238
THYM	ELP4	cg08626560	0.0753966261917822	124	0.821354885383625	0.413100530894454	0.00568465124110334	0.608650429931879
THYM	ELP4	cg09616795	0.0369176764946854	124	0.40130217959716	0.68892346147045	0.00136291483776625	0.821151757574765
THYM	ELP4	cg10583382	0.06453703285098	124	0.702516147880587	0.483740890280338	0.00416502860920847	0.67054165600778
THYM	ELP4	cg11385473	0.0257521986749649	124	0.279833286083742	0.780095352521201	0.000663175736594864	0.878537542945327
THYM	ELP4	cg13263383	-0.0991666636276843	124	-1.08256182152385	0.281210201390171	0.00983402717504629	0.478435569315406
THYM	ELP4	cg19328333	-0.18138087390866	124	-2.00353337952619	0.0474112177135785	0.0328990214198692	0.138793868849632
THYM	ELP4	cg24001477	0.228038148551243	124	2.54416141230276	0.0122457262811817	0.0520013971946789	0.0499605476986737
THYM	ELP4	cg24531794	0.179143847892616	124	1.97799859395125	0.0502593613387436	0.0320925182377729	0.144820977701542
THYM	ELP4	cg25130734	-0.106903143940151	124	-1.16795844325996	0.245177980481497	0.0114282821842887	0.438055529583096
THYM	EP300	cg00500400	-0.00124529622046784	124	-0.0135273899783532	0.989229878316124	1.55076267671149e-06	0.994314147234511
THYM	EP300	cg02046995	0.186355658844659	124	2.06043458689127	0.0415554032988891	0.0347284315834268	0.12584222991295
THYM	EP300	cg07519229	-0.335476310728012	124	-3.86838360442951	0.000179932707959038	0.112544355059678	0.0015879931514885
THYM	EP300	cg08131204	-0.202021851438901	124	-2.24072040823867	0.026915393992867	0.0408128284588015	0.0910555984239432
THYM	EP300	cg09331127	0.0502444335527642	124	0.546484489384496	0.585764798707777	0.00252450310303814	0.750140185570099
THYM	EP300	cg24349919	0.0753168956771407	124	0.820481360222895	0.413596138646608	0.00567263477444129	0.609160853311222
THYM	EPC1	cg02900516	-0.0456621162533962	124	-0.496535461115767	0.620440411418699	0.00208502886073867	0.774982998103568
THYM	EPC1	cg16942190	-0.0725303030262817	124	-0.789961353724511	0.431134948140175	0.00526064485708424	0.625112863763339
THYM	EPC1	cg26211455	0.0242202803735277	124	0.263176793102914	0.792873303780167	0.000586621981372292	0.886436517792237
THYM	EPC2	cg00066942	-0.163859034570907	124	-1.80435278193085	0.0737267321594416	0.0268497832105097	0.191444888067412
THYM	EPC2	cg03664802	-0.00252388018347375	124	-0.0274164437402827	0.978173896393825	6.36997118053147e-06	0.988684242546302
THYM	EPC2	cg04098458	0.0336921249337412	124	0.366198063020811	0.714873023622406	0.00113515928255083	0.837841624521711
THYM	EPC2	cg05586854	0.0727771688449854	124	0.792664376802849	0.429564196572003	0.00529651630509151	0.623608973021154
THYM	EPC2	cg10458926	0.157589174109324	124	1.73351732006094	0.0856158008257312	0.0248343477964587	0.213132659501982
THYM	EPC2	cg11721798	-0.0373288270847501	124	-0.405777666856725	0.685640818399873	0.00139344133152318	0.819064291938097
THYM	EPC2	cg12432635	-0.101488424746048	124	-1.10816826334328	0.270042802216177	0.0102999003574342	0.466112930011211
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THYM	EPC2	cg21347644	-0.0819499190644998	124	-0.893208334173064	0.373563656655283	0.00671578923467807	0.572134722720027
THYM	EPC2	cg21650422	0.0663788544842954	124	0.722652742137224	0.471323101094691	0.00440615232264726	0.659618912118923
THYM	EZH1	cg00728999	-0.113664028721645	124	-1.24276142708844	0.216419630987516	0.0129195114252349	0.40368649050599
THYM	EZH1	cg01716316	-0.0276794026398889	124	-0.300790522311698	0.764103574497911	0.00076614933050109	0.869049837498957
THYM	EZH1	cg03623386	-0.199087410436149	124	-2.20681953403566	0.0292621024881789	0.0396357969941718	0.0969180685916022
THYM	EZH1	cg05375741	-0.242661355082487	124	-2.71719099536692	0.00757528601545454	0.058884533250469	0.0344667095734162
THYM	EZH1	cg05979501	-0.143974466938674	124	-1.58042888254129	0.116685557739081	0.0207286471302755	0.265608505347439
THYM	EZH1	cg06975499	0.0213639009645305	124	0.232124345322498	0.816843529670579	0.000456416264422266	0.901472901071255
THYM	EZH1	cg12812489	-0.126137602124731	124	-1.38123736533121	0.169816025810895	0.0159106946697769	0.343464314066317
THYM	EZH1	cg19395400	-0.145253703889761	124	-1.59477255399188	0.11343808539512	0.0210986384936943	0.260590239341665
THYM	EZH1	cg22227424	0.0101602748986881	124	0.110374533148718	0.912299853687642	0.000103231186016911	0.953430436306408
THYM	EZH1	cg27088844	0.0235607241881394	124	0.256006040398309	0.798391929983301	0.000555107724269576	0.889900735108213
THYM	EZH2	cg01893439	0.15309742656759	124	1.6829033176502	0.0950379407577136	0.0234388220216187	0.229622385343983
THYM	EZH2	cg02303805	0.689911919808848	124	10.3528538063627	2.91062423394478e-18	0.47597845709433	3.29591123224891e-16
THYM	EZH2	cg06816161	0.0099664403732098	124	0.108268631344336	0.913966490466448	9.93299337127463e-05	0.954601374935138
THYM	EZH2	cg13751213	0.005384671519709	124	0.0584933527402014	0.953454598743969	2.89946873751652e-05	0.975381963590045
THYM	EZH2	cg18494018	-0.191085898900459	124	-2.1146909109837	0.0365606682915474	0.0365138207585964	0.11460694802243
THYM	EZH2	cg20101066	0.0442131707486488	124	0.480748082770209	0.631585706331104	0.00195480446764918	0.782668468361373
THYM	FBXL19	cg00026853	0.00793011459670477	124	0.0861458028900393	0.931496517333883	6.28867175168701e-05	0.963712161049667
THYM	FBXL19	cg02291855	-0.0575227522863415	124	-0.625893388337101	0.532593638874793	0.0033088670305958	0.709911922667197
THYM	FBXL19	cg03181514	-0.111580296903243	124	-1.21968871458296	0.225015139277732	0.0124501626570158	0.414295837947835
THYM	FBXL19	cg03627896	0.0188625823026507	124	0.204936552200745	0.837974786917685	0.000355797011124273	0.913311608463789
THYM	FBXL19	cg04477789	0.0922272291966823	124	1.00613229528035	0.316410675867819	0.00850586180529738	0.515664902954599
THYM	FBXL19	cg05643349	0.0335695801775957	124	0.364864624624998	0.715865567762381	0.00112691671330003	0.838452965650507
THYM	FBXL19	cg05768582	-0.183884661728569	124	-2.03215131118007	0.0443836628427366	0.0338135688190301	0.132238689537326
THYM	FBXL19	cg06862768	-0.23586397372807	124	-2.63652528502504	0.00950281591192231	0.0556318141027955	0.0409282144081623
THYM	FBXL19	cg07697662	0.00472796056255744	124	0.0513593717990322	0.959125999280663	2.23536110810984e-05	0.978598850930408
THYM	FBXL19	cg08535091	0.00125475118764577	124	0.0136300974520894	0.989148110645353	1.57440054289846e-06	0.994286077624878
THYM	FBXL19	cg08593668	0.170098032352598	124	1.87506260161625	0.0632561219523383	0.0289333406102255	0.171086004629566
THYM	FBXL19	cg09011601	-0.117076029995435	124	-1.28057780617358	0.202853394244416	0.013706796799492	0.386651074431571

THYM	FBXL19	cg11940219	-0.0297214392282059	124	-0.323000165089196	0.747266780775795	0.000883363949795939	0.858087766892588
THYM	FBXL19	cg26666512	0.051575521529679	124	0.561000205875512	0.575861163422181	0.00266003442105838	0.742570463091855
THYM	FBXL19	cg27602786	-0.117652352509138	124	-1.286969885713	0.200623666150569	0.0138420760509344	0.383651274170186
THYM	FBXW9	cg02753619	0.0446545524198489	124	0.485556949773624	0.628181677236213	0.00199402905181703	0.780378575416714
THYM	FBXW9	cg03160342	-0.151431721211867	124	-1.66416111863759	0.0987336411497774	0.0229315661891886	0.236022643259865
THYM	FBXW9	cg05868316	0.00987672803432955	124	0.107293961985779	0.914737986047352	9.75497566641112e-05	0.954964999752644
THYM	FBXW9	cg06489804	-0.0213856357835714	124	-0.232360607787923	0.816660464403461	0.000457345417867568	0.901426887139977
THYM	FBXW9	cg12110584	0.0141790094411215	124	0.154038952247232	0.877842163298792	0.000201044308731413	0.935170876435005
THYM	FBXW9	cg14342428	-0.0407778837530172	124	-0.443329945912802	0.658338858879497	0.00166283580337459	0.801220462565848
THYM	FBXW9	cg15828427	0.101443199731206	124	1.10766930845697	0.270257420191819	0.0102907227717054	0.466338518019748
THYM	FBXW9	cg19721801	-0.0175625590703385	124	-0.190807653002649	0.849004192647495	0.00030844348109913	0.919483679230683
THYM	FBXW9	cg21564527	-0.0776269711944058	124	-0.845796962657986	0.399377881065154	0.00602594665681712	0.595994684051075
THYM	FBXW9	cg22303873	-0.0554555265204249	124	-0.603329640441614	0.547447375054176	0.00307531542165755	0.720769730989297
THYM	FKBP1A	cg04613791	-0.0592172280585295	124	-0.644394584770128	0.520570288497731	0.00350668009893589	0.700856252373069
THYM	FKBP1A	cg07516946	-0.0362231766414589	124	-0.393742819966219	0.694481504896138	0.00131211852599834	0.824873397081431
THYM	FKBP1A	cg10996143	-0.0234719889497273	124	-0.255041328835528	0.799135159881802	0.00055093426525612	0.890293526809098
THYM	FKBP1A	cg21332426	0.22383059876901	124	2.49471849986274	0.0139891438959483	0.0501001369452937	0.055318022682936
THYM	FKBP1A	cg21775445	0.0523870584901105	124	0.569851605676595	0.569861679143493	0.00274440389724626	0.738039513664556
THYM	FKBP1A	cg24641773	0.0089820974543029	124	0.097574489137013	0.922435726780746	8.06780746785947e-05	0.959255225767048
THYM	FKBP1A	cg26779912	-0.054426223256004	124	-0.592097726616288	0.554917960448444	0.00296221377791239	0.726534534521521
THYM	FKBP2	cg03764062	0.0237286794227766	124	0.257832032328162	0.796985662276552	0.000563050227148903	0.888949941375019
THYM	FKBP2	cg04446112	-0.0380707528533554	124	-0.413854256634173	0.679732085033199	0.00144938222282126	0.815204850354156
THYM	FKBP2	cg06615912	0.0750337455196616	124	0.817379303255392	0.4153590163087	0.00563006296670934	0.610994408900803
THYM	FKBP2	cg09854726	0.134779307257087	124	1.47755981388011	0.142189753965253	0.0181654616647002	0.304515509776714
THYM	FKBP2	cg10998122	0.139416496194796	124	1.52938704697277	0.128844881692466	0.0194369594112337	0.284310274468408
THYM	FKBP2	cg12423493	-0.0486013549605782	124	-0.528570485570541	0.598096202623814	0.00236209170400412	0.758728980283689
THYM	FKBP2	cg15010817	0.0901056119515673	124	0.982795282666032	0.327719001538177	0.00811902130516644	0.527226652445631
THYM	FKBP2	cg16977872	0.10278243180647	124	1.12244763340029	0.263950876053316	0.0105642282880517	0.459451231801926
THYM	FKBP2	cg19924313	-0.149739938810947	124	-1.64514035715392	0.102602206167295	0.0224220492751062	0.242653250640801
THYM	FKBP2	cg21809711	0.0552660672506818	124	0.601262088253247	0.548818756549699	0.00305433818935688	0.721927736676146
THYM	FKBP2	cg22074794	-0.0644935235098713	124	-0.702040549230462	0.484036339024584	0.00415941457471832	0.670769757122985
THYM	FKBP2	cg24677501	-0.0997345922867221	124	-1.08882377617164	0.278450361517214	0.00994698889859869	0.475388558691826
THYM	FKBP5	cg00130530	0.201203153056121	124	2.23125590698043	0.0275533990649785	0.0404827087997248	0.0926393433685251
THYM	FKBP5	cg00140191	0.0382141072095028	124	0.415414888017572	0.678592625438153	0.00146031798981937	0.814453533846609
THYM	FKBP5	cg00610228	-0.0992278559268252	124	-1.08323647346043	0.280911960489729	0.00984616739183477	0.478084993531788
THYM	FKBP5	cg01294490	-0.0501702607922583	124	-0.545675710769497	0.586318951032235	0.00251705506796321	0.750470507035468
THYM	FKBP5	cg07485685	-0.0540071955941734	124	-0.587525777289918	0.55797324942207	0.0029167771759473	0.72916755552793
THYM	FKBP5	cg07843056	0.0249422628348599	124	0.271026644315218	0.786844074958851	0.000622116475323234	0.88256504062943
THYM	FKBP5	cg08636224	-0.00292036292457133	124	-0.0317233966813516	0.974746232199485	8.52851961121078e-06	0.986771053636191
THYM	FKBP5	cg08915438	-0.22804018960138	124	-2.5441854328806	0.0122449289317157	0.0520023280734334	0.0499605476986737
THYM	FKBP5	cg10913456	-0.00660639890279675	124	-0.0717654272188012	0.942910082158759	4.36445064628741e-05	0.969609236072255
THYM	FKBP5	cg16012111	-0.0824108632394473	124	-0.898266625730153	0.370872650156104	0.00679155037987089	0.56957194642669
THYM	FKBP5	cg17030679	-0.11290198070909	124	-1.2343215240959	0.219535644755568	0.0127468572480357	0.40753468270491
THYM	FKBP5	cg20813374	0.210284385041316	124	2.33651702938879	0.0211509925359329	0.0442195225922043	0.0760198132864305
THYM	FKBP5	cg25114611	-0.24207263284107	124	-2.71018792828587	0.00772733587484618	0.0585991595706076	0.0349927450403274
THYM	FMR1	cg02921434	0.121566143668949	124	1.33041356840475	0.18594748719916	0.0147783272865394	0.364777053136258
THYM	FMR1	cg03513471	0.115016574965934	124	1.25774675163697	0.21096671447738	0.0132288125168942	0.396830637411643
THYM	FMR1	cg04552106	0.150664440040204	124	1.65553270926278	0.100473676443178	0.0226997734926282	0.239014408452712
THYM	FMR1	cg04744025	0.0912031987572748	124	0.994866630448027	0.321836867020078	0.00831802346355898	0.521277893669789
THYM	FMR1	cg05288927	0.106921244802629	124	1.1681584889852	0.245097612057875	0.0114321525901437	0.437952170164007
THYM	FMR1	cg07147350	-0.138415911291259	124	-1.51819552304343	0.131639834721891	0.0191589644985898	0.288586746952455
THYM	FMR1	cg08434396	0.0945590075250123	124	1.0317969576309	0.304277390560179	0.00894140590411534	0.502866997816931
THYM	FMR1	cg14470409	0.0526023594470273	124	0.5722000735239	0.568274968888911	0.00276700821939426	0.736830943193838
THYM	FMR1	cg16783314	0.128897369525475	124	1.41196250831731	0.1605926727898	0.0166145318705869	0.330502354090268
THYM	FMR1	cg22625568	-0.0319488105417553	124	-0.347230174634322	0.729036934958614	0.00102072649503298	0.84676402051338
THYM	FXR2	cg01807919	0.102936006280367	124	1.12414270882063	0.263234140003118	0.0105958213889517	0.458665457643347
THYM	FXR2	cg01933235	-0.0410278344945525	124	-0.446051934123783	0.656377136460285	0.00168328320331239	0.799721267874572

THYM	FXR2	cg05529097	-0.392345004234227	124	-4.63347862503598	9.33700768368977e-06	0.153934602347555	0.000123321422028007
THYM	FXR2	cg05913233	-0.206373292651394	124	-2.29110768879046	0.0237316897952529	0.042589935919778	0.0829186200732945
THYM	FXR2	cg09625173	-0.238795037580243	124	-2.67125757780452	0.00862421554124851	0.0570230699729496	0.0380659417767879
THYM	FXR2	cg17777561	-0.32297793977291	124	-3.70711579893605	0.000320750959638236	0.104314749579954	0.00258441223760714
THYM	FXR2	cg19178740	-0.127158157884127	124	-1.39259561549687	0.166360617300799	0.0161691971164846	0.338769433777618
THYM	FXR2	cg22521096	-0.124468427733979	124	-1.36266991740962	0.175581566404368	0.0154923895025687	0.351307640669257
THYM	FXR2	cg26904212	0.10245217517884	124	1.11880270661095	0.265496690095352	0.0104964481988758	0.461214708806156
THYM	G2E3	cg02259031	-0.0326801072581505	124	-0.355186549979059	0.723083922336951	0.00106798941040422	0.843061472869637
THYM	G2E3	cg05076167	-0.0937831747582385	124	-1.02325589244456	0.30828007225371	0.00879528386773431	0.50683333912898
THYM	G2E3	cg07906495	-0.0410312164653869	124	-0.446088764693518	0.656350609270993	0.00168356072462943	0.799713851919225
THYM	G2E3	cg08810065	-0.00924570975877575	124	-0.100438408582395	0.920166728742214	8.54831489435211e-05	0.958012449101232
THYM	G2E3	cg09837748	-0.0981945310495936	124	-1.07184560962276	0.285976671347428	0.00964216592804961	0.483261204763224
THYM	G2E3	cg18580322	0.0954059475244699	124	1.04112300148018	0.299946923039365	0.0091022948230419	0.498218659782734
THYM	G2E3	cg18755078	-0.0778389762795045	124	-0.848120959352071	0.398087723858881	0.00605890622824126	0.594696810175282
THYM	G2E3	cg18956956	-0.0308668637073677	124	-0.335459809881177	0.737873929987876	0.000952763275129214	0.852429913168073
THYM	G2E3	cg19554565	0.0233363221004747	124	0.253566397944688	0.800271827404929	0.000544583929177105	0.890909304059132
THYM	G2E3	cg21061067	-0.0467115942648332	124	-0.507972288449482	0.612421024513792	0.0021819730387624	0.76912503520964
THYM	G2E3	cg22926526	-0.0958383234151036	124	-1.04588496869392	0.297751873490921	0.00918498423501799	0.495874919642762
THYM	GADD45	cg01810953	-0.0383973980357322	124	-0.417410326377783	0.67713678500271	0.00147436017591445	0.813486604890018
THYM	GADD45	cg02639608	0.24906584224652	124	2.79358299776013	0.00608452252393334	0.0620337937739683	0.0289983057787704
THYM	GADD45	cg04718306	-0.160709209493149	124	-1.76873929563533	0.0795212456165211	0.025827450015913	0.202165875212145
THYM	GADD45	cg07000785	-0.184786357640867	124	-2.04246755738185	0.0433335591949839	0.0341459979701782	0.129887142791654
THYM	GADD45	cg22224769	-0.112381692848847	124	-1.22856045333013	0.221681282223212	0.0126296448875725	0.410176806899262
THYM	GADD45	cg23369529	0.303799077242976	124	3.4638160648748	0.000742966867188149	0.0922938793336834	0.00524153119307471
THYM	GADD45	cg23723105	-0.055112111794267	124	-0.599582034013962	0.54993437872576	0.00303734486642379	0.722723871617849
THYM	GATAD2A	cg02887458	0.284991033982632	124	3.22973141690715	0.00160532320138395	0.0812198894504896	0.00994540998076476
THYM	GATAD2A	cg08505228	0.234226793093582	124	2.61715839342684	0.0100271031993788	0.0548621906029037	0.0427189740576381
THYM	GATAD2A	cg08870822	0.123252285420166	124	1.34914928625414	0.179872160807903	0.015191125861294	0.35688170771736
THYM	GATAD2A	cg09334331	-0.148508115841847	124	-1.63130024380472	0.105493139332521	0.0220546604708955	0.24747445525592
THYM	GATAD2A	cg11795262	0.181003410883821	124	1.99922254251929	0.0478821779253016	0.0327622347515774	0.139804390426671
THYM	GATAD2A	cg14948912	-0.0239209562298049	124	-0.259922472703293	0.795376551824964	0.000572212146948244	0.887995457414914
THYM	GATAD2A	cg15264323	-0.0975942483690476	124	-1.06522999934548	0.288946681459349	0.00952463731471935	0.486513457240209
THYM	GATAD2A	cg22191731	-0.0639861645488437	124	-0.696494927309417	0.487488664278113	0.0040942292536717	0.673767777935038
THYM	GATAD2A	cg26631329	0.109965795710953	124	1.20182290917749	0.2318385701546	0.0120924762263431	0.422400340217502
THYM	GATAD2E	cg02134200	0.0718737301347924	124	0.782773008775537	0.435328539326985	0.00516583308348897	0.628661196758191
THYM	GATAD2E	cg02940454	-0.154928439019287	124	-1.70352247489725	0.0911026193729518	0.024002821216953	0.222771018152367
THYM	GATAD2E	cg09805553	0.106579028011006	124	1.16437660230392	0.246620155989308	0.0113590892117707	0.439815022228426
THYM	GATAD2E	cg10226922	0.013774428548135	124	0.149642790612153	0.881301914424462	0.000189734881827677	0.937055498408824
THYM	GATAD2E	cg10489353	0.0911688147040833	124	0.994488416637029	0.322020097637952	0.00831175277454747	0.521455246053305
THYM	GATAD2E	cg15064304	0.129960023956112	124	1.42380214512848	0.157142674413455	0.0168896078266732	0.325837123869085
THYM	GATAD2E	cg20773694	0.077520049632855	124	0.844624933847059	0.400029493372542	0.0060093580950803	0.596669499337057
THYM	GATAD2E	cg23046518	0.0296190206123552	124	0.321886143421745	0.748108477354901	0.000877286382035122	0.858686716350141
THYM	GATAD2E	cg23323627	-0.0118435027689768	124	-0.128662394787055	0.897843828432917	0.00014026855783876	0.945971605573538
THYM	GATAD2E	cg26398333	0.0401142653204604	124	0.436103478900456	0.663558473875456	0.00160915428220029	0.80446434229939
THYM	GLYR1	cg00636946	-0.354255043163038	124	-4.1150612415985	7.20003822315326e-05	0.125496635606446	0.000726108080803714
THYM	GLYR1	cg00885266	-0.0500139439948472	124	-0.543971264490092	0.58748759502609	0.00250139459391971	0.751335875445259
THYM	GLYR1	cg01261535	-0.0940181273683706	124	-1.02584226290892	0.307064290033442	0.00883940827385516	0.505561045055272
THYM	GLYR1	cg01565912	-0.0585715632802775	124	-0.637344219652307	0.525135344118958	0.00343062802509556	0.704144974066053
THYM	GLYR1	cg02454264	0.0568619029634337	124	0.618679360545048	0.537320090927463	0.00323327600862295	0.713261736775718
THYM	GLYR1	cg06399529	-0.0368037524725944	124	-0.400062121485896	0.689834062764427	0.001354516196064	0.821731356922843
THYM	GLYR1	cg06976003	-0.107262215875756	124	-1.17192702672596	0.243587097941932	0.0115051829545773	0.436265187800319
THYM	GLYR1	cg11289281	0.0411792160065595	124	0.447700534463622	0.655190163502478	0.00169572783091489	0.799000871261471
THYM	GLYR1	cg15663121	0.0679460409744895	124	0.739792590959492	0.460895141538428	0.00461666448410701	0.650617442538251
THYM	GLYR1	cg18354686	0.190178865869371	124	2.104275440569	0.0374772133623356	0.0361680010233603	0.116725089093811
THYM	GTF2B	cg02705666	-0.0559848929052745	124	-0.609106916013622	0.543624503596099	0.00313430823361505	0.717899211202956
THYM	GTF2B	cg04270788	0.155051233451846	124	1.70490591238043	0.0908434013368625	0.024040884994939	0.222283885245176
THYM	GTF2B	cg05306856	-0.231682558610359	124	-2.58710825976085	0.0108923694354385	0.0536768079642425	0.0455815485669985

THYM	GTF2B	cg06356032	-0.118259668759065	124	-1.29370714849343	0.198293193419254	0.0139853492550037	0.380879995280547
THYM	GTF2B	cg07167781	0.0310248545107947	124	0.337178497554724	0.736581345506999	0.000962541597415979	0.851448152162312
THYM	GTF2B	cg10430205	0.418443060742077	124	5.00466830735101	1.97529925576608e-06	0.175094595083197	3.12647874472159e-05
THYM	GTF2B	cg12074130	-0.100449693305514	124	-1.09670997586608	0.275001301885663	0.0100901408851719	0.471491410915795
THYM	GTF2B	cg13868361	0.500994565463716	124	6.28827926868555	5.61845043219456e-09	0.250995554624177	1.6140388955766e-07
THYM	GTF2B	cg14010405	0.506538270985436	124	6.38170088877541	3.57540000117476e-09	0.256581019972915	1.06405764227769e-07
THYM	GTF2B	cg17811845	0.469443728728685	124	5.77540360130345	6.34875620910795e-08	0.220377414442691	1.4470997378592e-06
THYM	GTF2B	cg22607980	-0.0392980500660068	124	-0.427216101820951	0.670000472206764	0.00154433673899038	0.808807224253314
THYM	GTF2H1	cg05849260	-0.0881621737623481	124	-0.961430020428931	0.338301989514587	0.00777256888250245	0.537696820777383
THYM	GTF2H1	cg07583091	-0.176983114149848	124	-1.95336475447589	0.0531433539589575	0.031323022694178	0.150845918118843
THYM	GTF2H1	cg08690812	-0.0132127366440753	124	-0.143539587712436	0.886108887752224	0.00017457640962569	0.939577123417838
THYM	GTF2H1	cg10797557	-0.0770230504306156	124	-0.839177423591585	0.403066630427012	0.00593255029763716	0.599578665075223
THYM	GTF2H1	cg11063328	0.336030947942609	124	3.87559246641577	0.000175274682516825	0.112916797975208	0.00155476837533795
THYM	GTF2H1	cg11176342	-0.0884758158814231	124	-0.964877301664444	0.336579549844816	0.00782796999588347	0.53620309429529
THYM	GTF2H1	cg11347316	-0.152937208577103	124	-1.68109993974588	0.0953885902948135	0.0233897897673564	0.230212198095015
THYM	GTF2H1	cg11662851	0.188758288177234	124	2.08797415392704	0.0389514402939114	0.0356296913555995	0.12012639628244
THYM	GTF2H1	cg13777411	0.0681497023439347	124	0.742020375472672	0.459549404092699	0.0046443819295669	0.649424809569428
THYM	GTF2H1	cg14132868	0.109436605436991	124	1.19596907914809	0.234106345218984	0.0119763706095717	0.425070946608974
THYM	GTF2H1	cg17174493	0.0222634384581917	124	0.241902803236766	0.809275376811335	0.000495660691981688	0.896918746134437
THYM	GTF2H1	cg18321761	-0.0823303551911991	124	-0.897383107849545	0.371341800463906	0.006778287385909	0.569977389367029
THYM	H2AFZ	cg02758870	0.0193618680445537	124	0.210363156837283	0.833747059806828	0.000374881934174711	0.910811347482481
THYM	H2AFZ	cg09308803	0.0208166970293971	124	0.226176220714397	0.821455674776322	0.000433334875213709	0.904161447176621
THYM	H2AFZ	cg16267491	0.00328586093272839	124	0.0356937787281188	0.971586842916143	1.07968820692307e-05	0.984957289356068
THYM	H2AFZ	cg17709884	-0.0519474916403169	124	-0.565057128970451	0.573107630332058	0.0026985418877208	0.740566666014188
THYM	H2AFZ	cg20934652	0.0445532780509756	124	0.484453537298088	0.628962040227022	0.00198499458508754	0.780922385045661
THYM	H2AFZ	cg23752380	0.0155169055223272	124	0.168577034327001	0.866417962299144	0.000240774356988829	0.928992460224103
THYM	H2AFZ	cg24061702	-0.129058772762959	124	-1.41376047381638	0.160065054567956	0.0166561668270811	0.329822028263485
THYM	H3F3A	cg06319713	-0.216561213355223	124	-2.40963999085184	0.0175136092464393	0.0468987591298864	0.0657492165250294
THYM	H3F3A	cg10632229	-0.210180047644457	124	-2.33530411871981	0.0212165696392422	0.0441756524278263	0.0761662122065164
THYM	H3F3A	cg10983539	-0.070183667277008	124	-0.764274406612356	0.446229350162134	0.00492574715244976	0.638114160144056
THYM	H3F3A	cg11978873	-0.00625199118092262	124	-0.0679153351609754	0.945967977894442	3.90873937263342e-05	0.971135151120888
THYM	H3F3A	cg15538837	-0.175205818843567	124	-1.93312424856728	0.0556166551143577	0.0306970789566448	0.155769083668143
THYM	H3F3A	cg15624314	0.0748214356085798	124	0.815053468440948	0.416683716573403	0.00559824722652886	0.612213738896867
THYM	H3F3A	cg16724613	-0.0419493457898435	124	-0.456088011661403	0.649164985836503	0.00175974761219586	0.794755376802557
THYM	H3F3A	cg16727519	0.0551132517966991	124	0.599594474246165	0.549926113764881	0.00303747052360636	0.722723871617849
THYM	H3F3A	cg18947521	-0.0122435370271631	124	-0.133008824826261	0.894412960776324	0.000149904198935514	0.944020322234735
THYM	H3F3A	cg19410789	-0.093928650680387	124	-1.02485727854339	0.307526924649139	0.00882259141863815	0.50602287694393
THYM	H3F3A	cg21266749	0.0694327642973729	124	0.756057521390118	0.451121425048364	0.00482090875797454	0.641777936511774
THYM	H3F3A	cg21789564	-0.0265883476816545	124	-0.288925529085593	0.773145336638509	0.000706940232440543	0.874220640748009
THYM	H3F3A	cg22519151	-0.019395431584444	124	-0.210727955674869	0.833463027570352	0.000376182766346846	0.910664795387688
THYM	H3F3A	cg27530209	0.0800410000075586	124	0.872266417240228	0.38483446670338	0.00640656168220999	0.582969437682026
THYM	H3F3A	cg27560444	-0.0138931532071525	124	-0.15093284082917	0.880286412216046	0.000193019706037413	0.93646671068053
THYM	HAT1	cg00414306	-0.0558934897571715	124	-0.608109344954704	0.544283642621934	0.00312408219723504	0.718436083722287
THYM	HAT1	cg01583365	0.0777569693109998	124	0.847221986432182	0.398586483084957	0.00604614627643176	0.595179025396582
THYM	HAT1	cg04507121	0.170717612375294	124	1.88209714056271	0.0622861292139685	0.0291445031751212	0.169189507042154
THYM	HAT1	cg04950839	-0.0594367447217773	124	-0.646791791108341	0.5190228470836	0.00353272662312172	0.699751153145672
THYM	HAT1	cg05421799	0.12691785319742	124	1.3899207472137	0.167169507157783	0.016108141460242	0.339896621620777
THYM	HAT1	cg09545452	-0.0610012610402468	124	-0.663879658774698	0.508062403162665	0.00372115384850033	0.690664772043072
THYM	HAT1	cg10190161	-0.0886896945827792	124	-0.967228236044588	0.33540818386038	0.00786586192518665	0.534950472675792
THYM	HAT1	cg12941622	0.010589859481161	124	0.115041769844133	0.908607547440351	0.000112145123830735	0.951476201666124
THYM	HAT1	cg13293756	-0.0830877634712777	124	-0.905695820573523	0.366942481003138	0.00690357643865899	0.565804985723378
THYM	HAT1	cg14446129	0.0697416575230587	124	0.759437481569284	0.449105390926918	0.00486389879406361	0.640330354125007
THYM	HAT1	cg16017358	-0.0438765331771758	124	-0.477080595744716	0.634187125706419	0.00192515016364781	0.784542470497021
THYM	HDAC1	cg03762702	-0.113403152907655	124	-1.23987190235825	0.217482794341743	0.0128602750893969	0.404989862672863
THYM	HDAC1	cg04967775	-0.0203442352432584	124	-0.221040709481332	0.825442764109992	0.000413887907633039	0.906186347850947
THYM	HDAC1	cg06473843	-0.063449948368569	124	-0.690634474607301	0.491151563366224	0.00402589594797407	0.676818481781406
THYM	HDAC1	cg10842753	0.00663191524810604	124	0.0720426238939835	0.942689953903823	4.39822998580614e-05	0.969539347239517

THYM	HDAC1	cg14172124	-0.243768841018601	124	-2.73037359960706	0.00729641544678604	0.0594232478515519	0.0334581398919701
THYM	HDAC1	cg20002354	0.129656296981273	124	1.42041764290748	0.158123039638066	0.0168107553468962	0.327163588010419
THYM	HDAC1	cg20793809	0.0493470178369922	124	0.536699687225659	0.592485531807114	0.00243512816940442	0.754762223446038
THYM	HDAC1	cg21930229	-0.160929128141154	124	-1.77122398942503	0.0791051524897563	0.025898184284272	0.201385155925704
THYM	HDAC1	cg23018091	-0.332257672315377	124	-3.82663864880534	0.000209310587645519	0.110395160812432	0.00180322346127303
THYM	HDAC1	cg26115470	-0.00523471755651449	124	-0.0568643668614935	0.954749416659901	2.7402267896481e-05	0.975963840054141
THYM	HDAC10	cg00711351	0.026585608863681	124	0.288895746334038	0.773168072556507	0.000706794598652636	0.874220640748009
THYM	HDAC10	cg01120165	0.127369766729584	124	1.39495127233658	0.165650729420417	0.0162230574767485	0.3378075022711
THYM	HDAC10	cg04321608	0.131471927477954	124	1.4406557333906	0.152330149729897	0.0172848677147684	0.319062488528171
THYM	HDAC10	cg04586023	-0.350415476213298	124	-4.06417822260574	8.724044826409e-05	0.122791005969792	0.000855512849143655
THYM	HDAC10	cg07482373	-0.133117508144204	124	-1.45901108714968	0.147218912846519	0.0177202709745222	0.31186003991891
THYM	HDAC10	cg07744063	-0.0535808677088609	124	-0.582874495758109	0.561090033151488	0.00287090938443446	0.731586590460064
THYM	HDAC10	cg09151829	-0.11064323572891	124	-1.20931816809271	0.228958024500692	0.0122419256125631	0.418940526920596
THYM	HDAC10	cg10508940	-0.158687905407542	124	-1.74591472714149	0.0834284234684891	0.0251818513226331	0.20909238860273
THYM	HDAC10	cg11645658	-0.144468245371253	124	-1.58596449776225	0.115423612658977	0.0208710739206486	0.263561141307125
THYM	HDAC10	cg12464820	-0.132083237166586	124	-1.44747306125852	0.150416053175492	0.0174459815404047	0.316207906909357
THYM	HDAC10	cg26943378	-0.141700844471616	124	-1.55495540520662	0.122634733777505	0.020079129323969	0.274773754284916
THYM	HDAC11	cg01409735	-0.24350559841777	124	-2.72723914928753	0.00736186429614241	0.0592949764607961	0.0336907389290019
THYM	HDAC11	cg01712016	0.040801939677494	124	0.443591913667464	0.658149956212066	0.00166479828144586	0.801028156287141
THYM	HDAC11	cg02762546	-0.474723018087594	124	-5.85911307030472	4.303309185394e-08	0.225361943902194	1.02220346494211e-06
THYM	HDAC11	cg02941903	0.00855534002910099	124	0.0929381820772969	0.926110282137278	7.31938430135377e-05	0.961076709150699
THYM	HDAC11	cg05987698	-0.170668673950285	124	-1.88154142380168	0.0623623010023953	0.0291277962679487	0.169333781646783
THYM	HDAC11	cg07450135	-0.0341012304767487	124	-0.370649757014391	0.711562951090441	0.00116289392002834	0.835782585030926
THYM	HDAC11	cg08051076	0.0180918459241129	124	0.196559922081525	0.844510070121505	0.00032731488894184	0.916914158839825
THYM	HDAC11	cg08448040	0.0581210296809306	124	0.632425074022734	0.528332697592131	0.00337805409117161	0.706751162866172
THYM	HDAC11	cg10455785	-0.00361540774116994	124	-0.0392736373556106	0.968738594149548	1.30711731349116e-05	0.983569128480051
THYM	HDAC11	cg11432034	-0.19200007542241	124	-2.12519409929075	0.0356560556160407	0.0368640289622112	0.112391701401713
THYM	HDAC11	cg13397067	0.0647877452115836	124	0.705256751883412	0.482040319797793	0.00419745192960108	0.66917475719514
THYM	HDAC11	cg13706066	-0.106373784600513	124	-1.16210862891181	0.24753642878253	0.0113153820502363	0.440831649399266
THYM	HDAC11	cg16254764	-0.218511324938094	124	-2.43242145073107	0.0164998504334364	0.0477471991262012	0.0627764153479119
THYM	HDAC11	cg18521047	-0.0775242512871726	124	-0.844670990046008	0.400003875316303	0.00601000953763669	0.596654167970942
THYM	HDAC11	cg19779799	-0.269896260608353	124	-3.04481887079175	0.00287169368514651	0.0728439914903722	0.0159015259835068
THYM	HDAC11	cg20894727	-0.129844718329412	124	-1.42251721903889	0.157514319151546	0.0168596508780443	0.326242517147907
THYM	HDAC11	cg20922324	-0.1990340181998	124	-2.20620328257696	0.0293063617095142	0.0396145404007584	0.0970111528373239
THYM	HDAC11	cg21655280	-0.110784068529501	124	-1.21087656909139	0.228362360394383	0.0122731098399491	0.418261088301565
THYM	HDAC11	cg25127083	-0.112717814414108	124	-1.23228216053552	0.22029344698933	0.0127053056862933	0.40845811807618
THYM	HDAC11	cg25150878	-0.195860987189846	124	-2.1696167624127	0.0320406927790235	0.0383615263029811	0.10366286770852
THYM	HDAC11	cg27025856	-0.277162855327607	124	-3.13352136396417	0.00217916071251235	0.0768192483733523	0.0127252385879887
THYM	HDAC2	cg00161229	-0.104898319641913	124	-1.14580890246615	0.254192635266611	0.0110036574636969	0.448313538459968
THYM	HDAC2	cg01129566	0.136353579099736	124	1.49514328568606	0.137546649662755	0.018592298533308	0.297610949097856
THYM	HDAC2	cg08198132	-0.218893604193055	124	-2.43689086415817	0.0163072028560584	0.047914409956626	0.0622107953601514
THYM	HDAC2	cg10999867	-0.0265863099656725	124	-0.288903370332759	0.773162252437148	0.000706831877590817	0.874220640748009
THYM	HDAC2	cg13393754	-0.0337271098277886	124	-0.366578744936207	0.714589752743621	0.00113751793733571	0.837677549612544
THYM	HDAC2	cg15005908	-0.176010475471359	124	-1.94228555101625	0.0544854030635244	0.0309796874756539	0.153646190086773
THYM	HDAC2	cg15242771	-0.107552863090259	124	-1.17513969687886	0.242304627950408	0.0115676183589119	0.434688825449084
THYM	HDAC2	cg18387216	-0.0853137183524652	124	-0.930135339904199	0.354199980830759	0.00727843053912375	0.553210160694347
THYM	HDAC2	cg18674783	0.0459740628642049	124	0.499934767327573	0.6180520165702	0.00211361445624186	0.773222174878465
THYM	HDAC2	cg22867643	0.031405873101505	124	0.341323475761728	0.73346711555376	0.000986328865267833	0.849577691419927
THYM	HDAC2	cg24023618	0.122719234722438	124	1.34322497052996	0.181776839827439	0.0150600105708608	0.359240612680006
THYM	HDAC3	cg01947930	0.0411485011409732	124	0.447366035787587	0.655430927422363	0.00169319914614867	0.799084817300086
THYM	HDAC3	cg01961137	-0.105034153333647	124	-1.14730916018297	0.253574765123669	0.0110321733665161	0.447574091299703
THYM	HDAC3	cg04284814	0.0955090380775975	124	1.04225833407916	0.299422596967263	0.00912197635450796	0.497730325615318
THYM	HDAC3	cg08520975	0.109481887992756	124	1.19646994820843	0.233911687893981	0.0119862837984583	0.424854097453349
THYM	HDAC3	cg10414058	0.0732207675966649	124	0.797521868279208	0.426749941978677	0.00536128080744481	0.62121094208917
THYM	HDAC3	cg11064797	0.0189459187755181	124	0.20584230350327	0.837268806565707	0.00035894783824853	0.912896592660738
THYM	HDAC3	cg11153694	0.228191535858273	124	2.5459666854526	0.0121859309153286	0.0520713770373573	0.0497738270307188
THYM	HDAC3	cg12082871	0.121163635561267	124	1.32594279782551	0.187419648130707	0.0146806265824235	0.366740217996787

THYM	HDAC3	cg14098966	-0.00039949347256518	124	-0.0043396102464330	0.996544830890065	1.59595034622191e-07	0.998302903463458
THYM	HDAC3	cg17940889	-0.0586338405213334	124	-0.638024223625223	0.524694144461499	0.00343792725428116	0.703820265095919
THYM	HDAC3	cg18671773	-0.0962944999639893	124	-1.05090971200514	0.295447511184722	0.00927263072331474	0.493410409280501
THYM	HDAC3	cg19549288	0.00284204333530053	124	0.0308726175804126	0.975423284542467	8.07721031972616e-06	0.987071114492126
THYM	HDAC3	cg20642138	0.000655748049346812	124	0.00712324864910537	0.994328546735703	4.30005504222148e-07	0.997058888261977
THYM	HDAC3	cg23421926	-0.0475187080621136	124	-0.516769064040934	0.606284578864948	0.00225802761589238	0.764677408045067
THYM	HDAC3	cg24385322	0.169907604853599	124	1.87290100136942	0.0635567124815473	0.0288685941870866	0.171691106794502
THYM	HDAC6	cg07153944	0.0192175592473826	124	0.208794686702754	0.834968519948653	0.00036931458342666	0.9116439213609
THYM	HDAC6	cg07674520	0.0323960583743993	121	0.347591469630078	0.728782383824834	0.00104950459819749	0.846620175728281
THYM	HDAC6	cg10783042	-0.0506675430782369	124	-0.551098242756493	0.582608303017473	0.00256719992158499	0.747738646598826
THYM	HDAC6	cg12510923	-0.0437401673818692	124	-0.475595009450432	0.635242187183802	0.00191320224259393	0.785148483655752
THYM	HDAC6	cg13178935	0.097458506596678	124	1.06373417604381	0.289621123363862	0.00949816050805473	0.487103010574765
THYM	HDAC6	cg17152375	-0.106219805122761	124	-1.16040722905122	0.248225385687648	0.0112826470003173	0.441522902281528
THYM	HDAC6	cg24616736	0.0431358370742268	124	0.469011677725026	0.63992666912169	0.00186070044009424	0.788458089257871
THYM	HDAC6	cg26680189	0.0504982042369076	124	0.549251669584751	0.583870669477316	0.00255006863115244	0.74870446821879
THYM	HDAC9	cg00332048	-0.482216033105515	124	-5.97933102266213	2.44993470994078e-08	0.232532302584019	6.16996506394086e-07
THYM	HDAC9	cg02301805	0.162408310547114	124	1.78794320605215	0.0763517198417119	0.0263764593347678	0.196412343949146
THYM	HDAC9	cg03260621	0.0763574980154424	124	0.831883419681418	0.407155079006396	0.00583046750317829	0.6033529957183
THYM	HDAC9	cg07513622	0.0498509370997287	124	0.542193913441749	0.588707387180029	0.0024851159297211	0.752203374858884
THYM	HDAC9	cg08146609	-0.17338498706187	124	-1.91240815095714	0.0582479463041745	0.0300623537384448	0.161120065950325
THYM	HDAC9	cg08285151	-0.323006203914492	124	-3.7074780004901	0.000320340798449403	0.10433300776725	0.00258164219150242
THYM	HDAC9	cg08725366	0.0992454870827779	124	1.08343086122811	0.280826068579004	0.00984966670629783	0.478010439823785
THYM	HDAC9	cg10068437	0.0494260930843501	124	0.537561816497775	0.591891937815408	0.00244293867758284	0.754397771099365
THYM	HDAC9	cg11321459	-0.207011442279455	124	-2.29850895890936	0.0232930554411628	0.04285373723462	0.081723716005494
THYM	HDAC9	cg11765288	-0.315310745225374	124	-3.60926553527168	0.000451784262826911	0.0994208660545805	0.00344299617382021
THYM	HDAC9	cg12081743	-0.150648306132772	124	-1.65535130940379	0.10051052217098	0.0226949121406732	0.239065507743578
THYM	HDAC9	cg16475478	0.097957476446704	124	1.06923293164173	0.287147100812567	0.00959566719180658	0.484604337916801
THYM	HDAC9	cg18856632	0.197653024195143	124	2.19027098284437	0.0304710430114278	0.0390667179734856	0.0998552727592154
THYM	HDAC9	cg19585556	-0.288345256743359	124	-3.27116920999355	0.00140452332692897	0.0831429870863934	0.00890130245988695
THYM	HDAC9	cg20648975	0.133930993876831	124	1.46808950445062	0.144740511443222	0.0179375111208358	0.308255128865912
THYM	HDAC9	cg21433125	-0.319713261233396	124	-3.66535346064828	0.000371529382968539	0.102216569408493	0.0029224223274676
THYM	HDAC9	cg23074799	0.0975821941077205	124	1.06509716349017	0.289006531543002	0.00952228460687684	0.486553825104579
THYM	HDAC9	cg23385718	-0.043744854465073	124	-0.475646070687707	0.635205911092513	0.00191361229217042	0.785128595108453
THYM	HDAC9	cg24350771	0.135104895564354	124	1.48119545901145	0.141219857879636	0.018253332805455	0.303201443358119
THYM	HDAC9	cg25620356	-0.169532237011829	124	-1.8686407196397	0.0641526435052051	0.0287411793862348	0.172873696658836
THYM	HDGF	cg00692559	0.087761605704952	124	0.957027743853126	0.340509913034895	0.00770209943591147	0.53978868497043
THYM	HDGF	cg00746981	-0.0606968169862032	124	-0.660554097046861	0.510185794434622	0.00368410359225664	0.692531632145006
THYM	HDGF	cg01910231	-0.193456939397412	124	-2.14194423488073	0.0342534156626363	0.0374255874010138	0.109017314489184
THYM	HDGF	cg02914429	0.020014411794518	124	0.217455720192039	0.828228776610266	0.00040057667948054	0.907644578900675
THYM	HDGF	cg04402095	-0.0175509497431225	124	-0.190681485099023	0.849102821173626	0.000308035836885612	0.919549048859957
THYM	HDGF	cg05762852	0.021266753735426	124	0.231068336692433	0.817661889442214	0.000452274814443257	0.90194319062364
THYM	HDGF	cg05967123	0.0852895002107297	124	0.929869365847526	0.354337115344949	0.00727429884619606	0.553365224136135
THYM	HDGF	cg06106793	0.0372713005164874	124	0.405151461974317	0.68609976228214	0.00138914984219031	0.819305021136782
THYM	HDGF	cg06119628	-0.220192801551875	124	-2.45208923955657	0.0156669888354974	0.0484848698552632	0.0603395083652003
THYM	HDGF	cg07313589	0.169435655018425	124	1.86754468640181	0.0643067107648328	0.0287084411915227	0.173171784343065
THYM	HDGF	cg07892339	-0.161925532026774	124	-1.78248499985118	0.0772417786222443	0.0262198779221539	0.198004289381964
THYM	HDGF	cg08597205	0.315423630197191	124	3.61070043007652	0.000449541048199251	0.0994920664867744	0.00342825176978851
THYM	HDGF	cg08708935	-0.0311218313664966	124	-0.338233463420919	0.7357883040156	0.000968568387604652	0.851001765378241
THYM	HDGF	cg09063372	-0.0228461967870175	124	-0.248238012966817	0.804381744512713	0.000521948707631129	0.893586471591677
THYM	HDGF	cg09477492	-0.187184002338152	124	-2.06992492195225	0.0406416796251203	0.0350378507313293	0.123759299516836
THYM	HDGF	cg11588596	-0.0328189292634479	124	-0.356696972263904	0.72195571564136	0.00107708211799919	0.8424531318734
THYM	HDGF	cg12220178	-0.00224971154252953	124	-0.0244381844983904	0.98054436978604	5.06120202459061e-06	0.989948473495769
THYM	HDGF	cg12421458	0.0624514990861199	124	0.679723746686782	0.498010683214274	0.00390018973810364	0.68229333152582
THYM	HDGF	cg13170934	0.0621583660781364	124	0.676520875380902	0.500033952536821	0.00386366247350362	0.684031884683303
THYM	HDGF	cg13235992	-0.0246732623738804	124	-0.268101851758426	0.789089027063252	0.000608769876170342	0.883982428342074
THYM	HDGF	cg14155849	-0.0995165875080988	124	-1.08641993899249	0.279507592540212	0.00990355118925709	0.476560230873677
THYM	HDGF	cg15503799	-0.0399150517413103	124	-0.433934257647088	0.665128530930919	0.00159321135551148	0.805614512910879

THYM	HDGF	cg17170583	-0.0982542402978454	124	-1.07250371926289	0.285682366364306	0.00965389573650675	0.482928596456863
THYM	HDGF	cg17218029	-0.137259310380714	124	-1.50526486648094	0.134928129469358	0.0188401182861892	0.293627584870182
THYM	HDGF	cg17971171	0.169398007366856	124	1.86711746776049	0.0643668477860807	0.0286956848998613	0.173289929879992
THYM	HDGF	cg18593717	-0.116074109408196	124	-1.26946847287725	0.206772030879808	0.0134731988749059	0.39151105900462
THYM	HDGF	cg19599803	0.421638410357876	125	5.02966201744612	1.79185310339801e-06	0.177778949089116	2.86703867391494e-05
THYM	HDGF	cg20284773	-0.0527723506163403	124	-0.574054366083162	0.567023655085552	0.00278492098957395	0.735823508992298
THYM	HDGF	cg23747104	-0.120062220016455	124	-1.31371245250784	0.191491433009486	0.0144149366752798	0.371947879941573
THYM	HDGF	cg26431298	-0.0617096508933499	124	-0.671618400238406	0.503139405044108	0.00380808101337912	0.686595384959874
THYM	HDGFL1	cg02685945	0.129046178735506	124	1.41362017743654	0.160106177147214	0.0166529162462361	0.329875220373084
THYM	HDGFL1	cg03930485	-0.38647688245524	124	-4.55190031631515	1.30075792570931e-05	0.149364380672321	0.00016467319195548
THYM	HDGFL1	cg05276066	-0.155974362762676	124	-1.71530875071358	0.0889133844154039	0.024328001839223	0.218976127357795
THYM	HDGFL1	cg06566039	-0.00938687207387321	124	-0.101972023485611	0.918951960711653	8.81133673312608e-05	0.957283156330459
THYM	HDGFL1	cg08671671	-0.10259833455055	124	-1.12041577023714	0.264811812374117	0.0105264182525465	0.460445008646031
THYM	HDGFL1	cg09081892	-0.0883751514894702	124	-0.963770854798349	0.337131764223199	0.0078101674007868	0.536687166775386
THYM	HDGFL1	cg11894257	0.107808174910889	124	1.17796203857285	0.241181948732059	0.0116226025776168	0.433374336389841
THYM	HDGFL1	cg15317945	0.0840528792587416	124	0.916290458181716	0.361383408972973	0.00706488651168459	0.560248209385233
THYM	HDGFL1	cg20209681	-0.183764674688234	124	-2.03077894795864	0.0445249831876396	0.0337694556632723	0.132521708684503
THYM	HDGFL1	cg21898884	-0.057029578498275	124	-0.620509678941105	0.536118893736713	0.00325237282369091	0.712346344882143
THYM	HIST1H1	cg00667898	-0.0962374135326673	124	-1.05028087362071	0.295735234410201	0.00926163976345761	0.493668365249172
THYM	HIST1H1	cg00700007	-0.111342634384642	124	-1.21705816988324	0.226010592828714	0.0123971822317121	0.41543057104924
THYM	HIST1H1	cg03821311	0.0635495224813794	124	0.691722701649701	0.490470269859194	0.00403854180761134	0.67629068529088
THYM	HIST1H1	cg04676561	-0.125914402908725	124	-1.37875387041866	0.170578764405158	0.0158544368598607	0.344416008672295
THYM	HIST1H1	cg07138603	-0.0954480176525793	124	-1.04158631422116	0.299732878345973	0.00911032407380708	0.49799072118503
THYM	HIST1H1	cg11206041	-0.11038171373751	124	-1.20642446300711	0.230067048171684	0.0121841227276296	0.420206041966238
THYM	HIST1H1	cg14334286	-0.0907706662324682	124	-0.990109169064437	0.324146701582917	0.00823931384828613	0.523525826871955
THYM	HIST1H1	cg18798248	-0.135479720436367	124	-1.48538150395735	0.140109515995787	0.0183547546495162	0.301509523386692
THYM	HIST1H1	cg23460835	-0.0945575609823026	124	-1.03178103102709	0.304284821725953	0.00894113233892187	0.502868596039105
THYM	HIST1H1	cg00903962	0.0561156245271983	124	0.610533743494441	0.54268243568134	0.0031489633160775	0.717226811581413
THYM	HIST1H1	cg04290376	0.00340763826238153	124	0.0370166413568819	0.970534286850186	1.16119985272466e-05	0.98440303933901
THYM	HIST1H1	cg07750111	-0.159195781620798	124	-1.75164753501576	0.0824325485544111	0.0253432968858567	0.20738495835463
THYM	HIST1H1	cg08283682	0.00865763916096501	124	0.0940495585726018	0.925229300165926	7.49547158414749e-05	0.960618337451796
THYM	HIST1H1	cg10717387	0.094575040158386	124	1.03197347923437	0.304195035831618	0.00894443822096033	0.502784299349543
THYM	HIST1H1	cg12633985	0.0397358185201592	124	0.431982645265675	0.666542357613651	0.00157893527346703	0.806498213957701
THYM	HIST1H1	cg15022984	-0.0656900435853522	124	-0.715121130895342	0.475946720635211	0.00431518182624548	0.663723208480696
THYM	HIST1H1	cg16481032	0.0285992696259347	124	0.310794716486776	0.756505016167179	0.000817918223136913	0.864196002207966
THYM	HIST1H1	cg16482183	0.0887309449855534	124	0.967681672057194	0.335182563090828	0.0078731805980293	0.534766044156848
THYM	HIST1H1	cg17691542	0.135572238908946	124	1.486414850348	0.139836471984919	0.0183798319627843	0.30110824019029
THYM	HIST1H1	cg20855557	0.0379569742623291	124	0.412615620900456	0.680636974614944	0.00144073189515111	0.815807380449992
THYM	HIST1H1	cg23407813	-0.03316553197595	124	-0.360468197224118	0.719141484459468	0.00109995251124776	0.840644517536286
THYM	HIST1H3	cg00958605	0.0345532151704993	124	0.375568258728132	0.707912176191914	0.00119392467861883	0.833510967716594
THYM	HIST1H3	cg01043409	0.0523052562154835	124	0.568959340666239	0.570465086344032	0.00273583982776738	0.738469520853956
THYM	HIST1H3	cg08041469	-0.032794822167443	124	-0.356434678829533	0.722151591302178	0.00107550036099421	0.842593228151328
THYM	HIST1H3	cg08401836	-0.0134480805697809	124	-0.14609675871789	0.884094294623896	0.000180850871011318	0.93857460930628
THYM	HIST1H3	cg10075390	0.039072590253934	124	0.4247613296133	0.671784175956063	0.00152666730915182	0.809950063668045
THYM	HIST1H3	cg15479139	0.042172118097836	124	0.458514374245168	0.64742630252334	0.00177848754485783	0.793350898298822
THYM	HIST1H3	cg15797414	-0.0638053665334491	124	-0.694518869119788	0.488722068440015	0.00407112479846779	0.674765189319771
THYM	HIST1H3	cg21209604	-0.0636035313199294	124	-0.692312962920699	0.49010094728881	0.00404540919636524	0.676057044708591
THYM	HIST1H3	cg23099349	0.111705192509958	124	1.22107119449455	0.224493253042752	0.0124780500336868	0.413726621036857
THYM	HIST1H3	cg25701114	-0.148721190921587	124	-1.63369368565544	0.104988566173251	0.0221179926291351	0.24663871804715
THYM	HLTF	cg00906762	0.138211366420323	124	1.51590827711883	0.132216862672325	0.0191023818077727	0.289508936340835
THYM	HLTF	cg02059813	0.0483402620922842	124	0.525724266480669	0.600066385440587	0.00233678093915073	0.760174638716883
THYM	HLTF	cg02398045	0.137738849016843	124	1.510625284888626	0.133557243986705	0.0189719905284848	0.291533214700237
THYM	HLTF	cg02611507	0.0983449938750197	124	1.07350401893636	0.285235432029412	0.00967173782027767	0.482456138962365
THYM	HLTF	cg02710346	-0.222758952124538	124	-2.48214918302179	0.0144663339228952	0.0496215507516223	0.0567549539158662
THYM	HLTF	cg03678609	-0.0700655333102751	124	-0.762981619148413	0.446997001298104	0.00490917895805327	0.638623436098229
THYM	HLTF	cg04120413	-0.085515445813908	124	-0.932350862289518	0.353058991466838	0.00731289147275143	0.552083583382687
THYM	HLTF	cg04731810	0.139861191601001	124	1.53436248821612	0.127617413232243	0.0195611529160519	0.282493116939913

THYM	HLTF	cg04836786	-0.0330218130104653	124	-0.358904441431792	0.720307952998854	0.00109044013449814	0.841392237679401
THYM	HLTF	cg05555455	-0.0926823388546129	124	-1.011114012384822	0.314018252264497	0.00859001593556129	0.513100943429201
THYM	HLTF	cg07275648	0.0813464947298674	124	0.886587370958302	0.377104446509582	0.00661725220483635	0.575628891775949
THYM	HLTF	cg09352720	0.076336962860509	124	0.831658386123942	0.407281612279768	0.00582733189876673	0.603448542913862
THYM	HLTF	cg09392355	-0.0758278881250153	124	-0.82608005342875	0.410425816857053	0.00574986861749983	0.606305729032445
THYM	HLTF	cg15438497	-0.052232854884004	124	-0.568169626794423	0.570999398920521	0.00272827112933342	0.738971689701104
THYM	HLTF	cg16724124	0.0749680745769705	124	0.816659872419551	0.415768505247981	0.00562021220577821	0.611395961118085
THYM	HLTF	cg20117402	-0.140511846903442	124	-1.54164400365948	0.125837651312847	0.0197435791202164	0.279691737144687
THYM	HLTF	cg21089667	0.00120376824249686	124	0.0130762796546684	0.989589018476349	1.44905798164398e-06	0.994436321090902
THYM	HLTF	cg21111416	0.184511030121888	124	2.03931698760035	0.0436519814756399	0.0340443202366404	0.130589995651282
THYM	HLTF	cg21835021	-0.114768062215916	124	-1.25499286452899	0.211961188909156	0.0131717081047964	0.398080940804376
THYM	HLTF	cg21926402	-0.00254649900695916	124	-0.0276621494235802	0.977978341325807	6.48465719244401e-06	0.988598272738171
THYM	HLTF	cg24041269	-0.0282035498481309	124	-0.30649089291534	0.759771057660826	0.000795440224036004	0.86632119220922
THYM	HLTF	cg24710191	0.0967144493987309	124	1.05553600775956	0.293336599719572	0.00935368472249968	0.491065793815028
THYM	HLTF	cg25951608	0.0329966019874434	124	0.358630131409373	0.720512639992534	0.00108877574271775	0.841528990213309
THYM	HLTF	cg26151310	-0.082069303141816	124	-0.89451837108484	0.37286554639536	0.00673537051818329	0.571448475832883
THYM	HLTF	cg27554556	0.078765493165106	124	0.858278786796284	0.392478560758864	0.00620400291354237	0.589418682181331
THYM	IDH1	cg00707300	0.10520688131433	124	1.14921700221194	0.252790565081832	0.0110684878758874	0.446772592861304
THYM	IDH1	cg01046174	0.0806049871706683	124	0.878452658004731	0.381483354263427	0.00649716395678359	0.579914334373602
THYM	IDH1	cg02241586	0.0582025578040664	124	0.633315209022373	0.527753382993358	0.0033875377349357	0.706279832729834
THYM	IDH1	cg03448938	0.0273839010142527	124	0.297576899825415	0.766549370947971	0.000749878034758391	0.870592022475823
THYM	IDH1	cg05268564	-0.0714404079651358	124	-0.778029436507193	0.438108887855163	0.00510373189022505	0.630913290929613
THYM	IDH1	cg07129696	0.0593632632805969	124	0.645989335059231	0.51954057943319	0.00352399702732146	0.700082100679443
THYM	IDH1	cg07915542	-0.0882122950918459	124	-0.961980891091119	0.33802636194711	0.00778140900537089	0.537484369980858
THYM	IDH1	cg09406631	0.0422790823903673	124	0.459679418400573	0.646592146068007	0.00178752080777147	0.792791123648305
THYM	IDH1	cg09615745	-0.0890696093459021	124	-0.971404555775526	0.33333387450121	0.00793339530903161	0.53294881733097
THYM	IDH1	cg10356455	-0.0156836985921662	124	-0.170389532458107	0.864995607612999	0.000245978401529917	0.928337448592082
THYM	IDH1	cg14772913	-0.0449229107790184	124	-0.488480861519104	0.626115844480215	0.00201806791285965	0.778805538765851
THYM	IDH1	cg15399923	-0.102913737409307	124	-1.12389691153376	0.263337987121345	0.0105912373475519	0.458764200428125
THYM	IDH1	cg16085695	-0.130581448232429	124	-1.43072809577204	0.155151034456193	0.0170515146224785	0.322972882033798
THYM	IDH1	cg16863783	-0.102827514618666	124	-1.12294522569006	0.26374033575929	0.0105734977626519	0.45918749563713
THYM	IDH1	cg24324379	-0.106527756142473	124	-1.1638100256417	0.246848830016227	0.0113481628287501	0.440047279015163
THYM	IDH1	cg24830471	0.0567176610560858	124	0.617104881779777	0.5383544809633	0.00321689307567304	0.714043233120791
THYM	IDH1	cg24987806	-0.15421222795752	124	-1.6954550441924	0.0926262540783779	0.0237814112516222	0.225483205863295
THYM	IDH1	cg25795625	0.0203285807889811	124	0.220870553034445	0.825574948235732	0.000413251196894132	0.906220845240656
THYM	IDH1	cg26105702	0.156519603622615	124	1.72145528756062	0.0877888423308558	0.0244983863181804	0.216993778803628
THYM	ING2	cg02075087	0.0607002715219735	124	0.660591831255403	0.510161674573015	0.0036845229628413	0.692518056705458
THYM	ING2	cg02552216	0.104278513024109	124	1.13896407594745	0.257025087359572	0.0108740082785193	0.451446335509484
THYM	ING2	cg10348863	-0.00853947433189912	124	-0.0927658176026432	0.926246922745462	7.29226218651639e-05	0.961175625382641
THYM	ING2	cg17985608	-0.0090139925458117	124	-0.0979210005968659	0.922161161702123	8.1252061615949e-05	0.959139116104927
THYM	ING3	cg01382559	0.064005666806524	124	0.696708084180717	0.487355719059792	0.00409672538334777	0.673643872861845
THYM	ING3	cg01416111	0.0316977828598168	124	0.344499168431159	0.731084133638206	0.0010047494382281	0.84806026950991
THYM	ING3	cg10268125	0.0144083037648078	124	0.156530489694564	0.875882383464188	0.000207599217378974	0.934340215710097
THYM	ING3	cg14303833	-0.0354528651891541	124	-0.38535894840087	0.700665277578266	0.00125690565012034	0.828515062587782
THYM	ING3	cg16130600	-0.0196510186601217	124	-0.213505930109479	0.831300822351295	0.000386162534380452	0.909618208816201
THYM	ING3	cg18485114	-0.0435974184614902	124	-0.474039913112474	0.636347418662031	0.00190073489650628	0.785951899332007
THYM	ING3	cg19478983	-0.0794110432315229	124	-0.865357568055444	0.388598493242706	0.00630611378711879	0.586342200692871
THYM	ING3	cg19960827	0.00481474074551612	124	0.0523020780703782	0.958376436436184	2.31817284465331e-05	0.978129127640167
THYM	ING3	cg20553930	-0.0654417661792541	124	-0.712406662945794	0.477619272684439	0.00428262476066017	0.6653400250553
THYM	ING3	cg24859794	-0.0598229503626961	124	-0.651009533941786	0.516306066960582	0.0035787853900976	0.697428641402496
THYM	ING4	cg00369908	0.127093109723498	124	1.39187152987382	0.166579288633509	0.016152658539189	0.339077638284452
THYM	ING4	cg00443163	-0.143901644502201	124	-1.57961259219485	0.116872571143608	0.0207076832904379	0.265917487044716
THYM	ING4	cg00591160	-0.207372635061268	124	-2.30269943654719	0.0230478814552152	0.0430034097722536	0.0810426184201326
THYM	ING4	cg03930474	0.0968098153561845	124	1.05658666849266	0.292858630190236	0.00937214034929854	0.490550659453938
THYM	ING4	cg04375284	-0.179774745725789	124	-1.98519681923518	0.0494421366732426	0.032318959200772	0.143144829935178
THYM	ING4	cg08733494	-0.195035329563507	124	-2.16010822158538	0.0327865977134146	0.0380387797779457	0.105453366788662
THYM	ING4	cg12392916	-0.154610810178827	124	-1.69994435188032	0.0917758552360705	0.0239045026241534	0.223959687638724

THYM	ING4	cg18123790	-0.0121858379612786	124	-0.132381912242271	0.894907694232615	0.000148494646818537	0.944171783564407
THYM	ING4	cg23354319	-0.298660033706639	124	-3.39942983524983	0.000921782506140316	0.0891978157336506	0.00627157147828229
THYM	ING4	cg27116036	-0.17553366563439	124	-1.93685301256885	0.0551538519514972	0.0308119627770947	0.154936948640246
THYM	INO80	cg00734724	-0.0357896534937493	124	-0.389024380121584	0.697959228355978	0.00128089929720264	0.826728359955793
THYM	INO80	cg06380007	-0.0224124148271643	124	-0.243522312846134	0.80802365954503	0.000502316338384895	0.896067569438202
THYM	INO80	cg12580230	-0.0528719082822122	124	-0.575140381245487	0.5662914111763677	0.00279543868540266	0.735362123368223
THYM	INO80	cg18952654	0.108944185705055	124	1.19052292438672	0.236230440974754	0.0118688355989374	0.42751687421407
THYM	INO80	cg21007089	0.0202985639469967	124	0.220544284742106	0.825828420100605	0.000412031698310313	0.906322063580431
THYM	INO80	cg21598047	-0.331994057650188	124	-3.82322632096739	0.000211903847521672	0.110220054315036	0.00182169594008361
THYM	INO80	cg22835709	0.029949720393106	124	0.325483248070583	0.745391792314575	0.000896985751625232	0.857002825017888
THYM	INO80	cg26409855	0.103360046491425	124	1.12882346711119	0.261262023354523	0.0106832992107096	0.456620112889886
THYM	INO80	cg27441689	-0.158766156297683	124	-1.74679791518458	0.083274360408852	0.0252066923855404	0.208832989111378
THYM	INTS12	cg00093890	0.0993195079205548	124	1.08424697015308	0.280465660895586	0.00986436465358114	0.477659828007163
THYM	INTS12	cg01852585	0.153167328834703	124	1.68369016452079	0.0948852739648145	0.0234602306223579	0.229360718663568
THYM	INTS12	cg03607115	0.0833082007979428	124	0.9081154621465	0.365668146512429	0.00694025632019036	0.564543606536901
THYM	INTS12	cg19703969	0.0234091605751772	124	0.254358275104559	0.799661507385665	0.000547988798834429	0.890577652092404
THYM	INTS12	cg26533745	-0.167542271543749	124	-1.84606930594951	0.0673884103014601	0.0280704127540394	0.179295256027627
THYM	IWS1	cg02372421	-0.111413408161583	124	-1.21784150048857	0.225713831776981	0.0124129475181796	0.415081243156714
THYM	IWS1	cg02592214	-0.237751308433929	124	-2.65888086470695	0.00892849628311395	0.0565256846620453	0.0391072259359589
THYM	IWS1	cg10180764	-0.057255165296739	124	-0.622972230250248	0.53450493904016	0.00327815395315691	0.711216577913113
THYM	IWS1	cg10488833	0.217492882895511	124	2.42052008059414	0.0170227498242673	0.0473031541102006	0.0643104129276401
THYM	IWS1	cg15239145	0.175807049605395	124	1.9399690964033	0.0547695905176656	0.0309081186909537	0.154179320598201
THYM	IWS1	cg17144508	-0.00432622919913767	124	-0.0469953179351843	0.962596403928648	1.87162590834713e-05	0.980352486053875
THYM	IWS1	cg18451256	0.0437758987006228	124	0.475984268396799	0.634965663337558	0.00191632930704719	0.784956360560028
THYM	IWS1	cg18530950	-0.0803640915190887	124	-0.875810227475195	0.382912545256179	0.00645838720568847	0.581159278320557
THYM	IWS1	cg19311602	0.14751206636985	124	1.62011483813234	0.107877073482829	0.0217598097247032	0.251489733908334
THYM	IWS1	cg19409088	-0.061681608289774	124	-0.671312032039703	0.503333814722638	0.00380462080121311	0.686751742452628
THYM	IWS1	cg21581038	-0.088101124755187	124	-0.960759056408713	0.338637903031401	0.00776180818312902	0.537995118979095
THYM	IWS1	cg21679674	0.0424951842842997	124	0.462033226523173	0.644908222750715	0.00180584068735659	0.791782911359591
THYM	IWS1	cg22409775	-0.0123278485433098	124	-0.133924889715874	0.893690115141579	0.000151975849706786	0.943641468284435
THYM	IWS1	cg23570261	-0.126022364622711	124	-1.37995511313424	0.170209511097022	0.0158816363850995	0.343938250507331
THYM	IWS1	cg23623107	-0.0249936738429394	124	-0.271585633439793	0.786415221101966	0.000624683732167235	0.882244833156529
THYM	JADE1	cg09863040	0.0461994517910306	120	0.502390938946869	0.616328818407175	0.00213438934579176	0.771988859714815
THYM	JADE1	cg12832492	-0.00865632073883973	120	-0.0940352352323328	0.925240653609862	7.49318887336669e-05	0.960618337451796
THYM	JADE1	cg14617908	0.179611921436864	120	1.98333883447981	0.0496519879190338	0.0322604423222423	0.143544046533625
THYM	JADE1	cg15389440	0.158136834070658	120	1.73969594918673	0.0845198557191973	0.0250072582898908	0.211147644695544
THYM	JADE1	cg15836763	-0.177810295247706	120	-1.96279171652161	0.0520235688057869	0.0316165010960765	0.148518220612014
THYM	JADE1	cg20039387	-0.121923140135765	120	-1.33437938578217	0.184648861008446	0.0148652521005653	0.363144434343621
THYM	JADE1	cg22922695	0.0814311256110132	120	0.887515908489809	0.376606619132355	0.00663102821827662	0.575125456926735
THYM	JADE1	cg26766900	-0.13071449669064	120	-1.43221118141776	0.154727089511004	0.0170862796450873	0.322366405137231
THYM	JADE2	cg04590931	0.0293512624686287	120	0.318973748342118	0.75031036557779	0.000861496608502331	0.860059300982195
THYM	JADE2	cg04842522	0.144367306192808	120	1.58483279793895	0.115680716719369	0.0208419190973681	0.26392996450071
THYM	JADE2	cg17378563	-0.0180345525405447	120	-0.195937251910372	0.844996304220461	0.000325245085337666	0.917197323966269
THYM	JADE2	cg18145011	0.0439080994611038	120	0.477424486656239	0.633943001998697	0.00192792119828618	0.784452386957224
THYM	JADE2	cg21194015	-0.00929587408550679	120	-0.100983402912243	0.919735019933964	8.64132750135967e-05	0.957737805980642
THYM	JADE2	cg25669900	-0.079017065309214	120	-0.861037272219127	0.390963741123951	0.00624369661008059	0.588203586004009
THYM	JADE2	cg26133206	0.00706496008350637	120	0.0767470259526399	0.938954769827927	4.99136609815384e-05	0.967381567039171
THYM	JADE3	cg10860619	0.0887190033307903	120	0.967550405518172	0.335247868533582	0.00787106155200879	0.534813525863794
THYM	JADE3	cg17843048	0.122512699150533	120	1.34092985550876	0.182518782758844	0.015009361453149	0.360313299310821
THYM	JADE3	cg19194595	0.036625141284563	120	0.365875859351584	0.715112811084497	0.00113316485744852	0.838012894863408
THYM	JARID2	cg01769037	-0.380492158490204	124	-4.46937029862185	1.81233197398877e-05	0.144774282672534	0.00022008828221118
THYM	JARID2	cg03223185	0.137137546682646	124	1.50390392933948	0.135277925736077	0.0188067067101349	0.294076201718894
THYM	JARID2	cg05197191	-0.223938004922547	124	-2.49597878820791	0.0139420823144852	0.0501482300486909	0.0551880298973724
THYM	JARID2	cg06047828	0.0109828349970532	124	0.119311321785843	0.905231602675467	0.000120622664572497	0.949756393360962
THYM	JARID2	cg14862454	0.192703505547509	124	2.13327988143931	0.0349728823663898	0.0371346410502988	0.110781891093952
THYM	JARID2	cg15109221	0.208335865843818	124	2.31387944106573	0.0224048411574357	0.0434038329968933	0.0792832156569119
THYM	JARID2	cg21397480	-0.101710663022402	124	-1.11062025676003	0.268989834420739	0.0103450589724567	0.464904027436114

THYM	JARID2	cg21901688	-0.327433680006156	124	-3.76435331606984	0.000261753553168503	0.107212814802374	0.00217691425221194
THYM	JARID2	cg25338254	-0.251105848240366	124	-2.81799737694365	0.00566781196916506	0.0630541470205135	0.0274154915070116
THYM	JMJD6	cg02318866	-0.00363937699801049	124	-0.0395340152702778	0.968531444554273	1.32450649336478e-05	0.983464231976426
THYM	JMJD6	cg04510639	0.122872623723932	124	1.3449296118982	0.18122724789205	0.0150976816608029	0.358500547284598
THYM	JMJD6	cg07312083	-0.176628867957752	124	-1.94932889910191	0.0536289521283707	0.0311977569960371	0.151853050224739
THYM	JMJD6	cg08857478	0.0841377842414767	124	0.917222633418585	0.360896863479745	0.00707916673706528	0.559784412084002
THYM	JMJD6	cg10712116	0.0825181980896976	124	0.899444575995346	0.370247735332558	0.00680925301597058	0.568930368558848
THYM	JMJD6	cg12504415	0.00976923056382292	124	0.106126071526454	0.915662532096375	9.54378658091318e-05	0.955430160173634
THYM	JMJD6	cg15457598	0.0286665018953086	124	0.31152594492483	0.75595054472415	0.000821768330913733	0.86387685165289
THYM	JMJD6	cg21102709	0.0876893609515092	124	0.956233817812597	0.340909092682779	0.00768942402408407	0.540200261354716
THYM	JMJD6	cg21807925	0.0790697684022002	124	0.861615181931112	0.39064683876041	0.00625202827517758	0.587908206376648
THYM	JMJD6	cg23630158	-0.0452177788576057	124	-0.49169373342617	0.623849274898745	0.00204464752481533	0.777216509320067
THYM	JMJD6	cg25004679	-0.0286827656862772	124	-0.311702833036525	0.755816434190401	0.000822701047413879	0.863787038069753
THYM	JMJD6	cg25908504	-0.0718013104086558	124	-0.781980200023245	0.435792509169013	0.00515542817640014	0.628945373324197
THYM	JMJD6	cg26612088	0.188748550351041	124	2.08786245833494	0.0389617113043592	0.0356260152596194	0.120148545971036
THYM	JMJD8	cg00873473	-0.121125816882694	124	-1.32552276929448	0.187558404114808	0.0146714635154999	0.366882536829453
THYM	JMJD8	cg02851105	-0.0188495399430335	124	-0.204794800317809	0.838085286219788	0.000355305156064016	0.913367610268446
THYM	JMJD8	cg03899598	-0.0188262232330988	124	-0.204541381133266	0.838282841162825	0.000354426681222468	0.913442149026106
THYM	JMJD8	cg05787952	-0.00992524811164579	124	-0.107821102446362	0.914320720003286	9.85105500777283e-05	0.954772827350205
THYM	JMJD8	cg06191810	0.142014689801886	124	1.55847019819386	0.121799877868582	0.0201681721195258	0.273496888408385
THYM	JMJD8	cg06646636	-0.049150552587349	124	-0.534557740306578	0.593961502594164	0.00241577681964176	0.755735368069213
THYM	JMJD8	cg08398290	-0.138448968774385	124	-1.51856519447311	0.131546759601256	0.0191681169546907	0.288472124493872
THYM	JMJD8	cg26750188	-0.170623418006369	124	-1.88102753595347	0.0624328087565413	0.0291123507721761	0.169466082498478
THYM	JMJD8	cg27579097	-0.0917222530330965	124	-1.00057650154956	0.319079021704826	0.00841297170146737	0.518470886946387
THYM	KAT2B	cg00770008	-0.0191967419277983	124	-0.208568427535754	0.835144754653136	0.000368514900642489	0.911708382474089
THYM	KAT2B	cg04371528	-0.0497062631431824	124	-0.540616492580258	0.589790958696469	0.0024707125956593	0.752833620595824
THYM	KAT2B	cg05072819	-0.0504908616603801	124	-0.549171602763664	0.583925434450966	0.00254932711120765	0.748749695028408
THYM	KAT2B	cg12062464	0.0648159095502882	124	0.705564632187055	0.481849483104122	0.00420110213083114	0.668992695042156
THYM	KAT2B	cg14937543	-0.0831717488747975	124	-0.906617674838022	0.366456644696555	0.00691753981089238	0.565356181893323
THYM	KAT2B	cg18053505	-0.00223173867219651	124	-0.0242429476827781	0.980699770113718	4.98065750097742e-06	0.990053827797228
THYM	KAT5	cg00582417	-0.273166123865524	124	-3.08466301493239	0.00253865941014657	0.0746197312277149	0.0144239315040127
THYM	KAT5	cg02561205	-0.108615628010429	124	-1.18688957486913	0.237655165974095	0.0117973546481	0.42916979638234
THYM	KAT5	cg05785768	-0.106118078143651	124	-1.15928324072767	0.248681272900941	0.0112610465089019	0.442081098330837
THYM	KAT5	cg07564927	-0.0667993348369162	124	-0.727250877021915	0.468512708215774	0.00446215113465444	0.657457611756371
THYM	KAT5	cg14726348	-0.117552013669056	124	-1.28585691796108	0.201010591070943	0.01381847591765	0.38417778879683
THYM	KAT5	cg18896539	0.0733052707188565	124	0.798447247559059	0.42621504772664	0.00537366271516485	0.620840511580379
THYM	KAT5	cg20108992	0.102394580501229	124	1.11816709263911	0.265766899358657	0.0104846501160227	0.461538310757821
THYM	KAT5	cg20423942	-0.185614380251262	124	-2.0519456149571	0.0423875865064359	0.0344526981560602	0.127750654915608
THYM	KAT5	cg22048492	0.157454222953484	124	1.7319950706462	0.0858875910417235	0.0247918323258855	0.213624684512576
THYM	KAT6A	cg10163397	0.152427120622748	124	1.6753594069094	0.0965117730735555	0.0232340271013417	0.232166637016735
THYM	KAT6A	cg12468056	-0.0384541642364853	124	-0.418028333419533	0.676686144110701	0.00147872274712659	0.813206690378285
THYM	KAT6A	cg15251374	-0.0646338305386772	124	-0.703574253485515	0.483083935423151	0.00417753205010244	0.669989154822588
THYM	KAT6A	cg20966972	0.0643525899919758	124	0.700500038875513	0.484994006383089	0.00414125583867535	0.671633692587554
THYM	KAT6B	cg04396765	-0.046766177273146	124	-0.508567159888522	0.612005178926235	0.00218707533674332	0.768826193995859
THYM	KAT6B	cg06972998	0.0200872158856394	124	0.218247052220229	0.827613617013972	0.000403496242036282	0.907357607029397
THYM	KAT6B	cg09631472	0.0882598463237116	124	0.962503521277461	0.337764999543941	0.00778980047308519	0.5372005473907
THYM	KAT6B	cg10359932	0.159469024793867	124	1.75473244079784	0.0819007061210086	0.025430369868707	0.20639511995487
THYM	KAT6B	cg10739686	-0.0776969095186757	124	-0.846563612788007	0.398951997055393	0.00603680974875327	0.595576205770897
THYM	KAT6B	cg11128436	-0.128295231260311	124	-1.40525594205697	0.162572481165868	0.0164596663641366	0.333214691076736
THYM	KAT6B	cg11348552	-0.125059561973161	124	-1.36924418335203	0.173523452726634	0.0156398940409188	0.348489350511559
THYM	KAT6B	cg15874302	-0.0791117000914004	124	-0.862074984245302	0.390394814661434	0.00625866109135169	0.587775773403747
THYM	KAT6B	cg15912797	-0.0439166966519431	124	-0.477518146829716	0.633876520842066	0.00192867624481879	0.784432656131392
THYM	KAT6B	cg17147776	-0.128239475329288	124	-1.40463501715566	0.162756720066811	0.0164453630327311	0.333448312870692
THYM	KAT6B	cg18462764	-0.0172465085080006	124	-0.187372904525441	0.851690068589333	0.000297442055716537	0.920894734698842
THYM	KAT6B	cg18491775	-0.118919974451079	124	-1.30103392060221	0.19578162964786	0.0141419603234452	0.377641932306772
THYM	KAT6B	cg24671245	-0.0157517119940604	124	-0.171128620980437	0.864415736048615	0.000248116430743825	0.927983961500944
THYM	KAT6B	cg26605858	0.0539801062571538	124	0.587230220248114	0.558171045647562	0.00291385187153362	0.729297251009513

THYM	KDM1A	cg00062312	-0.0268815097122706	124	-0.292113501231368	0.770712807661686	0.000722615564410898	0.87297552684488
THYM	KDM1A	cg00541565	0.0785427307861218	124	0.855836337843424	0.393822833172519	0.00616896055934121	0.590559649250606
THYM	KDM1A	cg04886391	-0.160148421466896	124	-1.76240460059718	0.0805902284687782	0.0256475168983385	0.204066223367684
THYM	KDM1A	cg06958034	0.167186970216909	124	1.84204171125683	0.0679798614562484	0.0279514830103096	0.180492332495815
THYM	KDM1A	cg07118078	-0.0876353005270305	124	-0.95563973646977	0.341207990463739	0.00767994589846295	0.540464764728602
THYM	KDM1A	cg07785945	0.17371991225541	124	1.91621716107562	0.0577564255561654	0.0301786079140274	0.160073510624402
THYM	KDM1A	cg10499166	0.0112605979579207	124	0.12232915979638	0.902846433220289	0.000126801066369929	0.948623167037814
THYM	KDM1A	cg12578844	-0.0822948627308097	124	-0.896993609262844	0.371548743614325	0.00677244443188281	0.570150587447415
THYM	KDM1A	cg22683154	0.367304245781507	124	4.28979867692074	3.68004648117785e-05	0.134912408969121	0.000407002467951023
THYM	KDM1A	cg26662347	0.0709170558460115	124	0.77230089759843	0.441480301748174	0.00502922880986632	0.634037043904103
THYM	KDM1B	cg11007366	-0.104143652582189	124	-1.13747492437983	0.257644239219566	0.0108459003731596	0.452170362525156
THYM	KDM1B	cg15124342	0.213958085905553	124	2.37927701589008	0.0189505461561882	0.0457780625243679	0.0698084751637656
THYM	KDM1B	cg20677365	0.174036910701863	124	1.91982292685949	0.0572943535009169	0.0302888462866481	0.159189861646856
THYM	KDM1B	cg22406543	0.0125924941968751	124	0.13680034700514	0.891421741846366	0.000158570910098332	0.942509562080416
THYM	KDM1B	cg23073439	0.309683773366269	124	3.53795405951603	0.000577588395237274	0.0959040394863708	0.00423726196005755
THYM	KDM1B	cg23860886	0.0121197876496558	124	0.131664263225917	0.895474083937964	0.00014688925267275	0.944525190306559
THYM	KDM1B	cg24342628	0.0292606396031466	124	0.31798806250075	0.751056051736894	0.000856185029985229	0.860572705396774
THYM	KDM2A	cg05038268	-0.126020602739388	124	-1.37993550903025	0.17021553238315	0.0158811923147988	0.343940205297159
THYM	KDM2A	cg05295919	-0.0838541762879898	124	-0.914108968759292	0.362523656520781	0.00703152288093727	0.561460588002741
THYM	KDM2A	cg06320126	-0.0429490898640785	124	-0.46697743325834	0.641377126936242	0.00184462432015269	0.789297135667415
THYM	KDM2A	cg07283932	-0.0621705136256207	124	-0.676653600134784	0.499950022024683	0.00386517276447349	0.683967220269207
THYM	KDM2A	cg08836144	0.0968601921684443	124	1.0571416890737	0.292606352527643	0.00938189682690795	0.490286434663037
THYM	KDM2A	cg09993857	-0.0712246660744592	124	-0.775667878054154	0.439496914589051	0.00507295305741822	0.632133839435366
THYM	KDM2A	cg11637544	-0.103269768083452	124	-1.12782687890834	0.261681040829951	0.01066464500001	0.457064929395029
THYM	KDM2A	cg16004548	-0.0668349311904237	124	-0.727640156408395	0.468275211667741	0.00446690802722866	0.657259021460269
THYM	KDM2A	cg18132081	-0.00967101094130249	124	-0.105058982100262	0.916507381313285	9.35284526267926e-05	0.955914237358865
THYM	KDM2A	cg21293464	-0.156380825343967	124	-1.71989067788824	0.088073988035522	0.0244549625352604	0.21755936847843
THYM	KDM2A	cg21711868	-0.0555920115732409	124	-0.604819130200044	0.546460480064581	0.00309047175075936	0.720055329293247
THYM	KDM2A	cg25597833	-0.15746514683563	124	-1.73211828836487	0.0858655648873749	0.0247952724679664	0.213590386738135
THYM	KDM2B	cg03486832	-0.408320362021583	124	-4.85901232061302	3.66475062529788e-06	0.166725518041437	5.40568089011041e-05
THYM	KDM2B	cg05067991	-0.198445038988304	124	-2.19940665964433	0.0297983778106007	0.0393804334990694	0.0981862827273287
THYM	KDM2B	cg07020001	-0.301509846227932	124	-3.43509402974042	0.000818277903130278	0.0909081873723914	0.00567556269580214
THYM	KDM2B	cg07529210	-0.313425308474611	124	-3.58532459343784	0.000490808546159431	0.0982354239924048	0.0036911733860251
THYM	KDM2B	cg07793808	-0.291108285179768	124	-3.30540199850882	0.00125659380478799	0.084744033700305	0.00812124769042761
THYM	KDM2B	cg09151742	-0.349378061649543	124	-4.05047037922699	9.18468185202291e-05	0.122065029961992	0.000895492091736145
THYM	KDM2B	cg12251659	-0.0696109667846756	124	-0.7580074154095	0.449957745502301	0.00484568669669722	0.641001972107211
THYM	KDM2B	cg12888660	-0.026707772429988	124	-0.290224196981997	0.772154135785763	0.000713305108172029	0.873666770988549
THYM	KDM2B	cg15234492	-0.296665039878789	124	-3.3745228301229	0.00100122188122075	0.0880101458862834	0.00672094702111376
THYM	KDM2B	cg15316703	-0.174178071068086	124	-1.92142878324299	0.0570895703445021	0.0303380004409993	0.158785342702188
THYM	KDM2B	cg16837338	-0.00904313042582009	124	-0.098237557696812	0.921910339752144	8.17782078983931e-05	0.959052038596669
THYM	KDM2B	cg17452615	-0.315245120598415	124	-3.60843145074535	0.000453093070109706	0.099379486061109	0.00345127996632865
THYM	KDM2B	cg20055546	-0.0792060004374219	124	-0.863109052361789	0.389828393118567	0.00627359050529288	0.587420324575462
THYM	KDM2B	cg21249371	-0.305758793900276	124	-3.48845629993836	0.000683603172255796	0.0934884400473514	0.00488699000022674
THYM	KDM2B	cg21781916	0.0384726853478281	124	0.418229971486606	0.676539138198338	0.00148014751787299	0.813130515048072
THYM	KDM2B	cg26218726	-0.206976166284189	124	-2.29809974739296	0.0233171197991512	0.0428391334097002	0.0817675810338608
THYM	KDM2B	cg26509318	-0.290100015027893	124	-3.29289953915079	0.00130884529637803	0.0841580187191839	0.00839478200893995
THYM	KDM3A	cg01744130	-0.119425198061965	124	-1.30664107903833	0.193875544247373	0.0142623779321396	0.375036440588752
THYM	KDM3A	cg02152982	0.0293808650453481	124	0.319295731045483	0.75006683196911	0.000863235230812956	0.860008240743489
THYM	KDM3A	cg02972551	0.120827412568048	124	1.32220878355937	0.188655870255118	0.0145992636278894	0.368343910516682
THYM	KDM3A	cg03037033	-0.0331352786627383	124	-0.360139019648401	0.719386976354076	0.00109794669205732	0.84084113845999
THYM	KDM3A	cg04793821	0.00603284937607862	124	0.0655347110964721	0.947859170275337	3.63952715944522e-05	0.972280541830163
THYM	KDM3A	cg07052513	0.10575847608798	124	1.15531026794711	0.25029745358965	0.0111848552644519	0.443923636735955
THYM	KDM3A	cg07211384	0.00654974261850575	124	0.0711499424903129	0.943398868500713	4.28991283686706e-05	0.96980246810276
THYM	KDM3A	cg12888358	0.0489029127507273	124	0.52959952466879	0.597393116292368	0.00239149487550525	0.758275077989932
THYM	KDM3A	cg18611949	0.0564011570012546	124	0.613650203828317	0.54062765096235	0.00318109051108017	0.71584946008587
THYM	KDM3A	cg19139691	-0.0804522582063001	124	-0.876777326803654	0.382389092656264	0.00647256585049318	0.580762524473012
THYM	KDM3A	cg20191795	0.0636382881386505	124	0.692692822569126	0.489863351765955	0.0040498317172179	0.675861125960463

THYM	KDM3A	cg20918903	-0.0395030543326161	124	-0.429448213870821	0.668380193264162	0.00156049130160562	0.807709098316423
THYM	KDM3A	cg22404242	-0.120163749416128	124	-1.31483964921598	0.191113426096219	0.0144393266737421	0.371566187732219
THYM	KDM3A	cg24749656	-0.0131339448270579	124	-0.142683466655779	0.886783525207969	0.000172500506720201	0.939869721526277
THYM	KDM3B	cg00435490	-0.00371435081547899	124	-0.0403484559085773	0.967883511655586	1.37964019804494e-05	0.98316288967467
THYM	KDM3B	cg03315484	0.0202080332787635	124	0.219560264564585	0.826592998612339	0.000408364608995611	0.906839313694096
THYM	KDM3B	cg05191700	-0.070873257937128	124	-0.771821520964102	0.441763109742333	0.00502301869062267	0.634290975790315
THYM	KDM3B	cg05708550	-0.0529881314616677	124	-0.576408212309221	0.565437161235041	0.00280774207579897	0.734804751954459
THYM	KDM3B	cg05722427	0.144611441386724	124	1.58757005533916	0.115059636686391	0.0209124689799459	0.262972743849786
THYM	KDM3B	cg15001364	0.0239517124330688	124	0.260256857925031	0.795119241324322	0.000573684528476424	0.887810113956601
THYM	KDM3B	cg18682923	0.156711924459242	124	1.72362371785473	0.0873948992662844	0.024558627267719	0.216288057311234
THYM	KDM3B	cg19076659	-0.20568720553452	124	-2.2831538448717	0.0242111466599314	0.0423072265205999	0.0841364366921319
THYM	KDM3B	cg24137987	-0.0079169480239386	124	-0.0860027638299752	0.931609979801569	6.26780660137453e-05	0.963738834733392
THYM	KDM4A	cg00154982	0.00523592864326482	124	0.0568775231719086	0.954738958728073	2.74149487573609e-05	0.975963840054141
THYM	KDM4A	cg00979347	0.0107943576056966	124	0.11726356908064	0.906850552975129	0.000116518156119661	0.950775362778263
THYM	KDM4A	cg03587511	0.149153750208311	124	1.63855327824114	0.103970060842539	0.0222468412012032	0.244935101241125
THYM	KDM4A	cg08552254	-0.132546143290262	124	-1.45263650991414	0.14897871561567	0.0175684801011226	0.314295598714723
THYM	KDM4A	cg10958452	0.0810762886837632	124	0.883622903084373	0.378696568859217	0.00657336458673291	0.577242583799407
THYM	KDM4A	cg10968649	0.0401821812233781	124	0.436843021806849	0.663023542706315	0.0016146076878684	0.804082500081738
THYM	KDM4A	cg12293275	0.183067363451384	124	2.02280524138706	0.0453537114423592	0.0335136595610413	0.134394036031954
THYM	KDM4A	cg17737314	-0.0816366252685242	124	-0.889770652301786	0.375399467871907	0.00666453858523343	0.574040037493458
THYM	KDM4A	cg19743044	-0.144871561161484	124	-1.59048685860417	0.114400744327315	0.0209877692333656	0.261994509823636
THYM	KDM4A	cg20873046	0.25307438352686	124	2.84159440009564	0.00528999231051162	0.0640466435975	0.0259378332159297
THYM	KDM4A	cg21451504	-0.0909163787435357	124	-0.991711809904645	0.32336737179367	0.00826578792383804	0.522796677496563
THYM	KDM4A	cg22094309	-0.0655451902504164	124	-0.713537403412566	0.47692215795855	0.00429617196496327	0.664630749981682
THYM	KDM4A	cg24324755	0.127871125667943	124	1.40053323786624	0.163977796308355	0.0163510247795868	0.335255944441845
THYM	KDM4A	cg24505556	0.0719532690662262	124	0.783643768758252	0.43481928341551	0.00517727292931674	0.628228425340357
THYM	KDM4A	cg25841161	0.0356444356033336	124	0.38744388664464	0.699125572302596	0.00127052578948019	0.827417008028177
THYM	KDM4B	cg01098771	0.014363243384711	124	0.156040856689784	0.876267455849917	0.000206302760528446	0.934542731453168
THYM	KDM4B	cg12072803	0.192126998213446	124	2.12665279833833	0.0355319634891872	0.0369127834425094	0.112105023631335
THYM	KDM4B	cg18115693	0.151847417897726	124	1.66883709280288	0.097800895737107	0.0230576383222065	0.234347405993116
THYM	KDM4C	cg00121158	-0.0297398392853994	124	-0.323200306173207	0.747115596931441	0.000884458040721387	0.858013832186992
THYM	KDM4C	cg00667760	0.0373938895039566	124	0.406485908037643	0.68512189185197	0.00139830297223411	0.818817892895752
THYM	KDM4C	cg05545111	-0.0249984875829869	124	-0.271637973086643	0.786375069725668	0.000624924381436752	0.88222670489329
THYM	KDM4C	cg14196303	-0.0809483162666106	124	-0.882218968486913	0.379452037945199	0.00655262990639921	0.577955560310224
THYM	KDM4C	cg14473811	0.0793274443937072	124	0.864440803178403	0.389099658858447	0.00629284343403671	0.586756975677173
THYM	KDM4C	cg14497348	0.122917746482558	124	1.34543108838487	0.181065805323134	0.0151087724003504	0.358327951627575
THYM	KDM4E	cg15555590	0.0994866620073526	124	1.08608997677287	0.279652928576242	0.00989759591736521	0.47672024001202
THYM	KDM4E	cg19409026	-0.0844062542312357	124	-0.920170308780045	0.359361075324387	0.007124415753348	0.558319900821365
THYM	KDM5B	cg00528052	-0.189610394878635	124	-2.09775053381891	0.0380614280416131	0.0359521018460321	0.118028085457157
THYM	KDM5B	cg00571448	-0.00289723402625035	124	-0.0314721493471311	0.974946173622186	8.39396500286283e-06	0.986832077714679
THYM	KDM5B	cg02624558	0.120582326419087	124	1.31948720494003	0.189560734824685	0.0145400974446393	0.369498566899313
THYM	KDM5B	cg04504182	-0.189251920425972	124	-2.09363709163378	0.0384337465637552	0.0358162893849184	0.118845491699689
THYM	KDM5B	cg08915090	-0.126651797019414	124	-1.38695952526278	0.168068478285499	0.0160406776882469	0.341118192484596
THYM	KDM5B	cg09889216	-0.241035210617867	124	-2.69785514250956	0.0080018522342744	0.0580979727575994	0.0359471093557281
THYM	KDM5B	cg11171004	-0.0370940145490698	124	-0.403221642694528	0.687514858621997	0.0013759659153666	0.820226830120073
THYM	KDM5B	cg11221497	-0.0495022603454412	124	-0.538392250611913	0.591320428215326	0.00245047377930784	0.75400787524904
THYM	KDM5B	cg13134514	0.10630641206814	124	1.16136418413318	0.247837713764228	0.0113010532468012	0.441195288776591
THYM	KDM5B	cg13253785	-0.0975141733780864	124	-1.06434759579348	0.289344412825823	0.00950901400961149	0.486865642536111
THYM	KDM5B	cg13993945	0.0436055771812505	124	0.474128792826408	0.636284228324239	0.00190144636131	0.785946618708371
THYM	KDM5B	cg14560895	-0.199803414871873	124	-2.21508561384429	0.0286740389334455	0.0399214045944617	0.0954378207670585
THYM	KDM5B	cg21105875	0.187380690227336	123	2.06337994581743	0.0412888020012075	0.0351115230700729	0.125254291954529
THYM	KDM5B	cg24354901	-0.116834327894342	124	-1.27789744269447	0.203793797463405	0.0136502601745226	0.387695995977219
THYM	KDM5B	cg27531483	-0.19187645797673	124	-2.12377349436962	0.0357772667309569	0.0368165751256958	0.11269614479767
THYM	KDM5C	cg01859586	-0.256533749107839	124	-2.88315375607984	0.00468012689283541	0.0658095644313239	0.0235273532472529
THYM	KDM5C	cg04927657	0.287582489918854	124	3.26173459279757	0.00144806412273591	0.0827036885079277	0.00913556892094051
THYM	KDM5C	cg04927982	-0.589842858677797	124	-7.93460095814599	1.35445877900546e-12	0.347914597933195	7.54250295303868e-11
THYM	KDM5C	cg09554224	0.319285567763794	124	3.65989315337923	0.000378705435136107	0.101943273782248	0.00297105794886833

THYM	KDM5C	cg12234996	-0.305081115638465	124	-3.4799300948248	0.000703620393026229	0.0930744871192103	0.00500845867463469
THYM	KDM5C	cg16417926	-0.127100854905299	124	-1.39195774464844	0.166553240600914	0.016154627317658	0.339051231173819
THYM	KDM5C	cg16824069	-0.500447514120269	124	-6.27911697315436	5.87215477665819e-09	0.250447714389156	1.68009712649999e-07
THYM	KDM5C	cg19903753	-0.534440737919607	124	-6.86875479597164	3.23690643858282e-10	0.285626902348054	1.16850069365713e-08
THYM	KDM5C	cg24985300	0.0966328802358137	124	1.05463737162004	0.293745830195446	0.00933791354266911	0.491486259325558
THYM	KDM5C	cg27526317	-0.233171675048856	124	-2.60468946005237	0.0103783173404607	0.0543690300450892	0.0438740799469514
THYM	KDM6A	cg00751785	-0.446428735168906	124	-5.41948295743234	3.21061113917856e-07	0.199298615584509	6.18692799012279e-06
THYM	KDM6A	cg03267667	-0.109460207368795	124	-1.19623013850337	0.23400487283367	0.0119815369972196	0.424958744761444
THYM	KDM6A	cg03478540	0.0894144241760506	124	0.975195399559501	0.331458299346969	0.0079949392507347	0.53113345430086
THYM	KDM6A	cg06877198	0.0627061755185907	124	0.682506571654236	0.496256347283786	0.0039320644481683	0.681049495299463
THYM	KDM6A	cg07167981	-0.414594563305611	124	-4.94903173175869	2.5044361803112e-06	0.17188865192257	3.85039739547687e-05
THYM	KDM6A	cg11895950	-0.22919438124826	124	-2.55777448743055	0.0118012458442317	0.0525300643957726	0.0485312744730221
THYM	KDM6A	cg14384228	-0.0723338749331888	124	-0.787810695832838	0.432387121532499	0.00523218946285019	0.626109815585199
THYM	KDM6A	cg15923127	-0.03980961264951	124	-0.432786160524416	0.66596011311543	0.00158480525930402	0.806157333536167
THYM	KDM6A	cg17824914	-0.10972836176042	124	-1.19919631983071	0.232854150244397	0.0120403133746256	0.42359843163398
THYM	KDM6A	cg20211377	-0.00744357191799459	124	-0.0808601279456359	0.935690175272624	5.54067628983576e-05	0.965719549286263
THYM	KDM6A	cg22133177	0.209650971828564	124	2.3291549549038	0.021551796761798	0.0439535299886611	0.0771028041980828
THYM	KDM6A	cg27306636	-0.280683347551736	124	-3.17670372747043	0.00190137095721592	0.0787831415928488	0.0114132139078438
THYM	KDM6B	cg01046511	0.374202491901976	124	4.38334241894834	2.55041208931893e-05	0.140027504945649	0.000296306389003101
THYM	KDM6B	cg02308232	0.515729456775961	124	6.53895079515622	1.65979150756456e-09	0.265976872586428	5.2659796304844e-08
THYM	KDM6B	cg24893073	-0.107813994247629	124	-1.17802637111275	0.241156401658161	0.0116238573556277	0.43334845030479
THYM	KDM8	cg00636124	0.12392090026084	124	1.35658193656452	0.17750384156131	0.015356389521457	0.353825142860597
THYM	KDM8	cg01755539	-0.146493007621096	124	-1.60867625817056	0.110359442872971	0.0214602012818745	0.255612118717323
THYM	KDM8	cg06329197	0.00716713538077801	124	0.0778570180908045	0.938073657477899	5.13678295663999e-05	0.966868206299633
THYM	KDM8	cg08572679	-0.210015442460674	124	-2.33339077142967	0.0213203811301454	0.0441064860719528	0.0764647886053447
THYM	KDM8	cg09140090	-0.133339561064532	124	-1.46148887623229	0.146539240224584	0.0177794385448821	0.31080957669533
THYM	KDM8	cg10214171	0.142217196800028	124	1.56073835385189	0.121263524533615	0.020225731065658	0.272654545725831
THYM	KDM8	cg10221365	0.225365212647064	124	2.5127345496091	0.013329705300059	0.0507894790714563	0.05333930675006
THYM	KDM8	cg16752029	-0.142094576444605	124	-1.55936493520856	0.121588074472393	0.0201908686549718	0.273131664274936
THYM	KDM8	cg24206694	0.201699358821733	124	2.23699167326312	0.0271651907303641	0.0406826313490982	0.0916788359584377
THYM	KDM8	cg24705286	0.0208537344830033	124	0.226578812565929	0.821143307904646	0.000434878241887602	0.903996695561163
THYM	KIAA202f	cg03495688	-0.118505366858031	124	-1.29643321821205	0.197355943302223	0.0140435219741565	0.379670316367109
THYM	KIAA202f	cg25608569	-0.109213558022628	124	-1.1935020679711	0.235066818718994	0.0119276012559619	0.426225715444373
THYM	KMT2B	cg09284703	0.0126945974774315	124	0.137909738539821	0.890546811246196	0.000161152805114009	0.942087065654309
THYM	KMT2B	cg13830730	0.164856928743565	124	1.81564723909119	0.071963765300339	0.0271778069547609	0.188129214254136
THYM	KMT2B	cg15496871	0.0148773311009648	124	0.161627069896741	0.871875956383313	0.00021334980687735	0.932056975318238
THYM	KMT2B	cg24471867	-0.0797738840695048	124	-0.869336780782717	0.386427804070599	0.00636387257953479	0.584404644245482
THYM	L3MBTL1	cg01071811	-0.12261220563621	124	-1.34203559368073	0.18216104686706	0.0150337529709762	0.359789688983067
THYM	L3MBTL1	cg01877937	-0.182689882280981	124	-2.01849008864956	0.0458076624607878	0.0333755930878386	0.135335626022531
THYM	L3MBTL1	cg02177317	-0.214007546664354	124	-2.37985343040526	0.0189223228816879	0.0457992300292957	0.0697527845915074
THYM	L3MBTL1	cg02472486	-0.0468047280361456	124	-0.508987307086483	0.611711550790435	0.00219068256653755	0.768624020063116
THYM	L3MBTL1	cg02611863	-0.106557537847957	124	-1.1641391254219	0.246715984898916	0.0113545088722187	0.439924436811824
THYM	L3MBTL1	cg03486259	-0.265558293395116	124	-2.99213462633335	0.00337415571838691	0.0705212071909265	0.0180989498694195
THYM	L3MBTL1	cg04984575	-0.0592568321233348	124	-0.644827069434322	0.520290933691389	0.00351137215329308	0.700668424802879
THYM	L3MBTL1	cg06362543	-0.113582463191169	124	-1.24185795924306	0.216751642454351	0.0129009759445732	0.404044216162121
THYM	L3MBTL1	cg06446163	-0.049360455700529	124	-0.536846194754088	0.59238463881581	0.00243645458696389	0.754738668389835
THYM	L3MBTL1	cg06908806	-0.231387634645864	124	-2.58362853552938	0.0109967886087722	0.0535402374670078	0.0458999895530007
THYM	L3MBTL1	cg07678583	-0.385510606288181	124	-4.53853001224061	1.37291546513798e-05	0.148618427560681	0.000172655327667223
THYM	L3MBTL1	cg08369943	-0.146975979402046	124	-1.61409679345852	0.109177454288926	0.0216019385211907	0.253570708432683
THYM	L3MBTL1	cg08633313	-0.196022965842002	124	-2.17148272330341	0.0318960576068897	0.0384250031374946	0.103298026954347
THYM	L3MBTL1	cg09541000	0.0436621687876252	124	0.474745294837071	0.635845990961501	0.00190638498323907	0.785595219897705
THYM	L3MBTL1	cg10360552	-0.219941370793349	124	-2.44914686487894	0.0157891563374303	0.0483742065864574	0.0607048348380971
THYM	L3MBTL1	cg12699433	-0.00349288707272704	124	-0.0379426970076769	0.969797487198103	1.22002601028236e-05	0.984074316847782
THYM	L3MBTL1	cg14306330	0.00130820864344134	124	0.014210795490647	0.988685806407103	1.71140985477463e-06	0.994027642135793
THYM	L3MBTL1	cg15123011	-0.296880239344711	124	-3.377207202737	0.000992361346805869	0.0881378765133732	0.0066741383775755
THYM	L3MBTL1	cg15302378	-0.088879001960915	124	-0.969309197261842	0.334373554465161	0.00789947698956834	0.533935225092629
THYM	L3MBTL1	cg15330298	-0.146721409589398	124	-1.61123953429475	0.109799231440208	0.0215271720318999	0.254634711899227

THYM	L3MBTL1	cg15388309	-0.205583661536076	124	-2.28195375951826	0.0242842212316573	0.04226464189058	0.0843490961510715
THYM	L3MBTL1	cg16862791	-0.306425944651358	124	-3.49685576620342	0.00066440860719299	0.0938968595554769	0.00477300837680373
THYM	L3MBTL1	cg17091610	-0.22566946951631	124	-2.51630879745385	0.0132022348198478	0.050926709471773	0.052951879540897
THYM	L3MBTL1	cg17774347	-0.229739994761261	124	-2.56420231211664	0.0115964513674883	0.0527804651929043	0.0478560467711201
THYM	L3MBTL1	cg18911945	-0.0676943930433101	124	-0.737040025579608	0.462560960324296	0.00458253084950215	0.651987015282437
THYM	L3MBTL1	cg20091959	-0.303352991263438	124	-3.45821404710544	0.000757123787044422	0.0920230373084756	0.00531969724434011
THYM	L3MBTL1	cg20252111	-0.274467660197058	124	-3.10055461839756	0.00241610430491963	0.0753324964940476	0.0138438843851305
THYM	L3MBTL1	cg20529070	-0.180369647444793	124	-1.99198666584684	0.0486816502560684	0.0325332097193587	0.141458998207851
THYM	L3MBTL1	cg22330467	-0.104349107911608	124	-1.13974362183057	0.256701389122164	0.0108887363219485	0.451030559515068
THYM	L3MBTL1	cg22457903	-0.248623703991026	124	-2.78829681856766	0.00617835103976436	0.0618137461862171	0.0293555634756873
THYM	L3MBTL1	cg22601123	0.044774228480434	124	0.486860873147895	0.627260049898362	0.00200473153601811	0.779655338432178
THYM	L3MBTL1	cg23626798	-0.222817590193412	124	-2.48283670209004	0.0144398613561291	0.0496476784995991	0.0567082929142666
THYM	L3MBTL1	cg24343973	-0.412510229898785	124	-4.91903340162209	2.84450061358804e-06	0.170164689771148	4.31186829176672e-05
THYM	L3MBTL1	cg02358112	-0.278220546455518	124	-3.14648052660315	0.00209207139669908	0.0774066724700072	0.0123295910783945
THYM	L3MBTL1	cg06235991	0.0698891602899762	124	0.761051558339355	0.448144476931129	0.00488449472603799	0.63959329710098
THYM	L3MBTL1	cg08053598	-0.00025713882461586	124	-0.0027932426999125	0.997776034427616	6.61203751248287e-08	0.998893134753136
THYM	L3MBTL1	cg09993119	0.0822537738460179	124	0.89654269912418	0.371788405587979	0.00676568331191186	0.570415288912558
THYM	L3MBTL1	cg12821546	0.0335466513021207	124	0.364615131954279	0.716051331577081	0.00112537781358608	0.83856289394645
THYM	L3MBTL1	cg13843727	0.0135504283846218	124	0.147208844534753	0.883218405985604	0.000183614109406765	0.93799528573322
THYM	L3MBTL1	cg14679202	0.276137104832084	124	3.12096533480082	0.00226674025108856	0.0762517006650451	0.0131537215495437
THYM	L3MBTL1	cg15283028	-0.157442425471726	124	-1.73186199974982	0.0859113837233556	0.02478811733842	0.213670199986404
THYM	L3MBTL1	cg19467356	0.078272203587459	124	0.85287035118782	0.395459039996577	0.00612653785443663	0.592184803575031
THYM	L3MBTL1	cg24240981	0.0239634077021608	124	0.260384010521905	0.795021402914325	0.00057424490869998	0.887764580336702
THYM	L3MBTL1	cg26947834	0.0667431703954437	124	0.72663667204688	0.468887567533965	0.00445465079443524	0.657817522294229
THYM	L3MBTL1	cg27177954	-0.142942182489888	124	-1.56886011232625	0.119358294606542	0.0204324675349725	0.269758553517368
THYM	L3MBTL1	cg03454037	-0.0237230524096888	124	-0.257770855671393	0.797032766032637	0.00056278321563284	0.888951979763185
THYM	L3MBTL1	cg07826275	0.0477755260065897	124	0.519568348211838	0.604337714211808	0.00228250088520633	0.763211555771037
THYM	L3MBTL1	cg08106148	0.0160137774943793	124	0.173976458541238	0.862182083419604	0.000256441069639488	0.926749841069233
THYM	L3MBTL1	cg08358392	-0.0643707789076297	124	-0.700698855166182	0.484870352675736	0.00414359717717494	0.671580746644878
THYM	L3MBTL1	cg09710740	0.0230683082032006	124	0.250652669202917	0.802518573550359	0.000532146843357853	0.89229393729582
THYM	L3MBTL1	cg10237990	0.0230285298747408	124	0.250220221404615	0.802852171018786	0.000530313188191831	0.892511791385196
THYM	L3MBTL1	cg16487825	0.0872956491279855	124	0.951907430457741	0.343089696249606	0.00762053035667636	0.542386958280839
THYM	L3MBTL1	cg16800851	0.236724087557959	124	2.64670944126341	0.00923716710558485	0.0560382936301481	0.0401024709979278
THYM	L3MBTL1	cg18411550	0.0215720828022241	124	0.234387343197254	0.81509048885668	0.000465354756426013	0.900551269806447
THYM	L3MBTL1	cg18798995	0.0205073733609433	124	0.222813952665088	0.824065538982269	0.000420552362165129	0.905395334311178
THYM	L3MBTL1	cg22934935	0.147942004278058	124	1.62494232130003	0.106842950702925	0.0218868366298089	0.24965429690876
THYM	L3MBTL1	cg24516147	0.0315911490216415	124	0.343339086377849	0.73195433487947	0.000998000696507562	0.848628686343535
THYM	LBR	cg01017344	0.115895742674866	124	1.26749114875038	0.207475295549769	0.0134318231701588	0.392422395866732
THYM	LBR	cg05530459	0.0300018583681322	124	0.32605037566401	0.744963765137997	0.000900111505541466	0.856758439825929
THYM	LBR	cg12994003	-0.0153028865011444	124	-0.166251364317325	0.868243668993901	0.000234178335266909	0.930039903417714
THYM	LBR	cg14607642	0.165027108859689	124	1.81757395821874	0.0716665408574958	0.0272339466585877	0.187566507854529
THYM	LBR	cg18107727	-0.0117269512604599	124	-0.127396057515758	0.898843782468846	0.000137521385865202	0.946557197773384
THYM	LBR	cg18289048	-0.0351957708453765	124	-0.382560953551481	0.702733525591601	0.00123874228540026	0.829932016970639
THYM	LBR	cg18764107	-0.0521344093586681	124	-0.567095851601829	0.571726291419745	0.00271799663917718	0.739481846086318
THYM	LBR	cg19322477	0.0961386152132076	124	1.04919258060177	0.29623362858723	0.0092426333351132	0.494182207928183
THYM	LBR	cg20483690	-0.0317003000015907	124	-0.343063588484043	0.73216625386688	0.00100490902019085	0.848679811700381
THYM	LBR	cg26930584	0.0153354559324764	124	0.166605283478379	0.867965787808585	0.000235176208656926	0.929883087239114
THYM	MBD1	cg01719254	0.0878156435619399	124	0.957621597088051	0.340211526735043	0.00771158725419768	0.539448361477843
THYM	MBD1	cg03841029	-0.113334892126534	124	-1.23911587205041	0.217761592704102	0.0128447977733332	0.405305293270401
THYM	MBD1	cg05549078	0.143082365433703	124	1.57043082929981	0.118992586188985	0.0204725632981038	0.269182274854922
THYM	MBD1	cg12090413	0.0327905378379314	124	0.356388063927022	0.722186404340311	0.00107521937170081	0.842595583200313
THYM	MBD1	cg13478031	0.113919230038259	124	1.24558835166758	0.215383171829421	0.0129775909725097	0.402428630735373
THYM	MBD1	cg14389183	-0.14564201449608	124	-1.59912816843129	0.112466353657832	0.0212115963864764	0.259077237180771
THYM	MBD1	cg19328682	-0.232912361797205	124	-2.60162649848127	0.0104662711122785	0.0542481682779521	0.0441595126862237
THYM	MBD1	cg21282183	0.12638664722005	124	1.38400869402379	0.168967946875934	0.0159735845955253	0.342274045913613
THYM	MBD2	cg15090185	-0.099098708128072	124	-1.08181261908171	0.281541653539589	0.00982055395265281	0.47866067157409
THYM	MBD2	cg16852837	0.157722110363244	124	1.73501693875339	0.0853487400039306	0.0248762640974355	0.212665189451516

THYM	MBD2	cg17987217	-0.101233345355585	124	-1.10535413481993	0.271254807230553	0.0102481902118832	0.467561740532076
THYM	MBD2	cg22224310	-0.0234808181048342	124	-0.25513731735333	0.799061200455791	0.00055134881887231	0.89026934905273
THYM	MBD2	cg22836370	-0.132039561665481	124	-1.4469859362554	0.150552203925347	0.0174344458448123	0.316422384831913
THYM	MBD2	cg23388714	0.0764373645173297	124	0.832758643221137	0.406663178649761	0.00584267069435514	0.602888198343551
THYM	MBD2	cg24881765	-0.14479085824196	124	-1.58958187586598	0.114604853164795	0.0209643926304433	0.262294196751373
THYM	MBD2	cg25192916	0.06221053772111	124	0.677090907680173	0.499673537540773	0.00387015100354964	0.68379339594784
THYM	MBD3	cg08660999	-0.125939470762079	124	-1.37903278500705	0.170492973950404	0.0158607502958326	0.344287467954981
THYM	MBD3	cg09174855	0.0726072380847825	124	0.790803727808422	0.430645075338594	0.00527181102230029	0.624633683687411
THYM	MBD3	cg12286540	0.0790232830269836	124	0.861105451510977	0.390926346126898	0.00624467926036275	0.588200378519543
THYM	MBD5	cg03890220	-0.0308395686831524	124	-0.335162886153634	0.738097315503809	0.000951078996562872	0.852503824009016
THYM	MBD5	cg04152151	-0.0113296418563462	124	-0.12307931206144	0.902253682030062	0.000128360784593071	0.948328401325905
THYM	MBD5	cg05218490	-0.110839349661304	124	-1.21148830877428	0.228128842282438	0.0122853614333408	0.418010532233841
THYM	MBD5	cg06394585	-0.00398323698822977	124	-0.0432693723086888	0.96555993960016	1.58661769044018e-05	0.98187958250552
THYM	MBD5	cg06758980	0.00879041365222603	124	0.0954920234020951	0.924086004938454	7.72713721772417e-05	0.960060186009189
THYM	MBD5	cg20595490	-0.0463472529694212	124	-0.504001641247775	0.615199944186977	0.00214806785781152	0.77102178853721
THYM	MBD5	cg21412502	-0.130108716206658	124	-1.42545920697519	0.156664389459613	0.0169282780329446	0.325166071172625
THYM	MBD5	cg23120335	-0.0307250814809426	124	-0.333917467076179	0.739034529168234	0.000944030632010561	0.853018352990141
THYM	MBD5	cg25686162	-0.00883758732715226	124	-0.0960045203979919	0.923679838779452	7.81029497650422e-05	0.959817663501084
THYM	MBD5	cg26664634	-0.0851852934859146	124	-0.928724941676967	0.354927560492115	0.0072565342262814	0.553853020699328
THYM	MBTD1	cg01388767	0.0159431072120239	124	0.173208488688765	0.862784318315023	0.00025418266757409	0.927038524612565
THYM	MBTD1	cg14577476	0.0620630676401391	124	0.675479650014292	0.500692649808576	0.00385182436490448	0.684561837628225
THYM	MBTD1	cg17045523	-0.122917480603421	124	-1.34542813348453	0.181066756290624	0.0151087070378925	0.358327951627575
THYM	MBTD1	cg18711617	-0.140511042661138	124	-1.54163500208874	0.125839839342124	0.0197433531097202	0.279691737144687
THYM	MBTD1	cg22141797	-0.0121228850489341	124	-0.131697917011063	0.895447522172915	0.000146964341909671	0.944509979796344
THYM	MBTD1	cg25259117	-0.0332737441780391	124	-0.361645631111583	0.718263625879644	0.00110714205162559	0.840022257309014
THYM	MBTD1	cg25716740	0.165136255841358	124	1.81880976959656	0.0714764357279313	0.0272699829933026	0.187194917890475
THYM	MBTD1	cg25855326	-0.0816434215875771	124	-0.889845223516324	0.375359585116376	0.00666564828852684	0.574006941175198
THYM	MBTD1	cg27207041	-0.0431562714808751	124	-0.469234273479936	0.639768038234409	0.00186246376813099	0.788350040651454
THYM	MBTD1	cg27214721	0.0252101479173239	124	0.273939368108473	0.784610168054956	0.00063555155801335	0.881045676376207
THYM	MBTD1	cg27353579	0.124152369266602	124	1.35915549621524	0.176689314265138	0.0154138107945107	0.352725718236089
THYM	MLLT10	cg00879184	0.0311215712962569	124	0.338230634225618	0.735790430404289	0.000968552199948001	0.851001765378241
THYM	MLLT10	cg03524461	0.0479039634083689	124	0.520968338880655	0.603365106717761	0.00229478971023035	0.76241671586131
THYM	MLLT10	cg04188362	-0.0719919367921694	124	-0.784067092776935	0.434571832174191	0.00518283896308771	0.628057537195493
THYM	MLLT10	cg05913198	-0.121359636712377	124	-1.32811975458348	0.186701722340285	0.0147281614229601	0.365724301046795
THYM	MLLT10	cg06398735	-0.197953723755808	124	-2.19373894427452	0.0302141551790046	0.0391856767487906	0.0992182350356894
THYM	MLLT10	cg11443787	-0.0366527635607679	124	-0.398418637694143	0.691041609228926	0.00134342507664156	0.822454117684889
THYM	MLLT10	cg15910013	0.101484172555555	124	1.10812134982429	0.270062976320742	0.0102990372792858	0.466130262751948
THYM	MLLT10	cg19119538	-0.0317888390606245	124	-0.345489788856551	0.73034132626459	0.00101053028882229	0.847495650950186
THYM	MLLT10	cg20569108	-0.0386020610020818	124	-0.41963848739938	0.675512596375292	0.00149011911360844	0.812417040137235
THYM	MLLT10	cg23344688	0.0841574877382534	124	0.917438961781625	0.360784011197362	0.00708248274241427	0.559668814275211
THYM	MLLT10	cg26877631	-0.168162169718038	124	-1.85309806832748	0.0663665124185913	0.0282785153242784	0.177250101734853
THYM	MLLT10	cg27470303	-0.133559515245221	124	-1.46394346733555	0.145868330524827	0.0178381441125384	0.309861566072433
THYM	MLLT10	cg27572529	0.0131242840338889	124	0.142578496440233	0.886866249191025	0.00017224683140219	0.939884874129286
THYM	MLLT6	cg05652455	-0.375120444200679	124	-4.3958534986322	2.42742702410193e-05	0.140715347657315	0.000283495682726027
THYM	MORF4L	cg03589001	-0.195558328161811	124	-2.16613068717023	0.0323124327802439	0.0382430597134424	0.10432943453583
THYM	MORF4L	cg07757959	-0.00850779773523929	124	-0.0924216841838939	0.926519738446098	7.23826223037429e-05	0.961296501047169
THYM	MORF4L	cg08692282	-0.0505603727331771	124	-0.54992958695268	0.583407077309665	0.0025563512909178	0.748393413564872
THYM	MORF4L	cg13747872	0.0567948177275206	124	0.617947083928356	0.537801051060086	0.00322565132070229	0.713609787454818
THYM	MORF4L	cg15822222	-0.00134266893016738	124	-0.0145851310075131	0.988387793143885	1.8027598560368e-06	0.993899251141682
THYM	MORF4L	cg20775702	-0.0819011293138751	124	-0.892672960905242	0.37384918931625	0.00670779498288809	0.572493136624641
THYM	MORF4L	cg20905746	-0.0178126862453814	124	-0.19352600518439	0.846879774389065	0.000317291791276401	0.918218132219423
THYM	MORF4L	cg23623458	-0.120588238195657	124	-1.31955284984893	0.189538871293227	0.0145415231911326	0.369474465104372
THYM	MORF4L	cg24795825	0.36577848501831	124	4.25109165709497	4.29990985631982e-05	0.13379390010229	0.000465952343449706
THYM	MPHOSF	cg00331616	-0.402579218789252	124	-4.77736577292811	5.15739394384326e-06	0.162070027400964	7.31208865440756e-05
THYM	MPHOSF	cg03134886	-0.0294218307262192	124	-0.319741309883434	0.749729857274288	0.000865644123282298	0.859799285277452
THYM	MPHOSF	cg03428000	-0.0905853502901533	124	-0.988071036577271	0.325139589651405	0.00820570568718977	0.524595761517783
THYM	MPHOSF	cg04203901	-0.0666298127468406	124	-0.72539703281391	0.46964465123922	0.00443953194667904	0.658419590290554

THYM	MPHOSF	cg06019692	-0.120301617345761	124	-1.31637034950371	0.190600994493175	0.0144724791360059	0.370894336024864
THYM	MPHOSF	cg09559995	0.0576824802747222	124	0.627637150078382	0.531454375677586	0.00332726853064371	0.709134614564911
THYM	MPHOSF	cg11051893	-0.137816926240319	124	-1.51149815655273	0.133335050776699	0.0189935051583294	0.291252511375372
THYM	MPHOSF	cg19693579	-0.15615310744764	124	-1.71732357418497	0.0885434736182549	0.0243837929655543	0.218386969714271
THYM	MPHOSF	cg20759595	-0.0211959307991814	124	-0.230298482199605	0.818258619398245	0.000449267482443688	0.902263767167965
THYM	MPHOSF	cg20952532	-0.0463039929582053	124	-0.50353020044355	0.61553026210759	0.00214405976387352	0.771286663397942
THYM	MPHOSF	cg21958444	-0.235081325701458	124	-2.62726406290333	0.00975036002886076	0.0552632296935552	0.0417663954674959
THYM	MPHOSF	cg22656705	-0.314316330549005	124	-3.59663274720498	0.000471995162158366	0.0987947556497915	0.00357217546891215
THYM	MSH6	cg00620552	-0.221150235813719	124	-2.46329834602789	0.0152092660080156	0.0489074268004635	0.0590148954974096
THYM	MSH6	cg02905881	-0.222588718743004	124	-2.48015339287295	0.0145434264855598	0.049545737711652	0.0569855605932123
THYM	MSH6	cg05039065	-0.125696104313044	124	-1.37632510956933	0.17132720416676	0.0157995106394757	0.345451985924756
THYM	MSH6	cg07652213	-0.0254429522570129	124	-0.276470705704041	0.782670222207447	0.00064734381955264	0.879934204298087
THYM	MSH6	cg09898070	0.326811908559353	124	3.75634942023312	0.00026933452514961	0.106806023576207	0.00223066220052047
THYM	MSH6	cg11869233	-0.1163990325875	124	-1.27307080121239	0.20549531686823	0.0135487347873059	0.389767223709547
THYM	MSH6	cg16595246	-0.0913582063692305	124	-0.996571710176659	0.321011674830909	0.00834632187100291	0.520472316787806
THYM	MSH6	cg18222961	0.0109403496932378	124	0.118849730063915	0.905596501842133	0.000119691251410329	0.949957684244722
THYM	MSH6	cg19076255	0.0735514825876794	124	0.801143570397804	0.424658760285106	0.0054098205908457	0.619577278847489
THYM	MSH6	cg19736286	0.0582420830529789	124	0.633746755574351	0.527472643439717	0.00339214023835009	0.706074176195012
THYM	MSH6	cg21405109	-0.0673736046568162	124	-0.733531395641848	0.464689262670759	0.00453920260445296	0.653944220336632
THYM	MTA1	cg01318265	0.25409048740197	124	2.85378926709959	0.00510389918128198	0.0645619757881706	0.025193701326691
THYM	MTA1	cg01655777	-0.0689417749507924	124	-0.750685485000739	0.454336315821452	0.00475296833336571	0.644634032227726
THYM	MTA1	cg05922925	0.0164964150114587	124	0.179221322722838	0.858071295979833	0.00027213170823028	0.92459305335166
THYM	MTA1	cg13052453	0.258430369894123	124	2.90598915849621	0.00437314957703621	0.066786256083613	0.022299737689824
THYM	MTA1	cg13981078	0.236310728673845	124	2.64181425488821	0.00936400648821757	0.0558427604863637	0.0404836901602977
THYM	MTA1	cg16531924	-0.00835417117481249	124	-0.0907526946271775	0.927842972525812	6.9792176018068e-05	0.961966281493482
THYM	MTA1	cg20222911	-0.157879774233035	124	-1.73679562854423	0.0850328652352333	0.0249260231118741	0.212081905617317
THYM	MTA1	cg21517792	0.252238337492159	124	2.83156805118987	0.00544762076676269	0.0636241789008082	0.0265632488946329
THYM	MTA1	cg23123838	0.0853119819839874	124	0.930116270302937	0.354209811864481	0.00727813427003619	0.553210160694347
THYM	MTA1	cg23883989	-0.0356953103809865	124	-0.387997584588729	0.698716882309187	0.00127415518319496	0.827188693301712
THYM	MTA1	cg23966123	-0.164748172639199	124	-1.81441602822789	0.0721542324372571	0.0271419603879554	0.188437167927487
THYM	MTA2	cg00501779	-0.0472717952452693	124	-0.514077841404662	0.608158962026141	0.00223462262571066	0.765965201562444
THYM	MTA2	cg07654871	-0.118766760371013	124	-1.29933369687121	0.196362339551727	0.0141055433690257	0.37842326242431
THYM	MTA2	cg09086761	-0.142474307680873	124	-1.56361838206946	0.120585179228194	0.020298928349144	0.271531368232374
THYM	MTA2	cg13708959	-0.0207237337824743	124	-0.225165727545828	0.822239832215881	0.000429473141886865	0.904546729411957
THYM	MTA2	cg19570317	0.00689444578022539	124	0.0748946311378017	0.940425369847446	4.75333826164676e-05	0.968306790135694
THYM	MTA2	cg21002970	-0.0126022657996573	124	-0.136906519053507	0.891338002591446	0.000158817103285212	0.942488291382577
THYM	MTF2	cg05396182	0.236552536469992	124	2.64467766960737	0.00928962273508627	0.0559571025103871	0.0402672820556807
THYM	MTF2	cg05962718	-0.0973292275085511	124	-1.06230962481567	0.290264427223817	0.00947297852741131	0.487823453016243
THYM	MTF2	cg09936581	-0.0623145936776796	124	-0.678227849534658	0.498955099268099	0.0038831085852143	0.683194807576564
THYM	MTF2	cg11404133	0.11925858063337	124	1.3047917836396	0.194502658963039	0.0142226090546861	0.375900922946628
THYM	MTF2	cg14474880	-0.0341175982486959	124	-0.370827867271904	0.711430630577743	0.00116401051025942	0.835724729330227
THYM	MTF2	cg15463775	-0.19290460317643	124	-2.13559208379136	0.0347796157856361	0.0372121859266558	0.110331422785828
THYM	MTF2	cg16813892	0.0360797224786155	124	0.392181448983415	0.69563159602074	0.00130174637413391	0.825517350288883
THYM	MTF2	cg19708337	0.216548811748942	124	2.40949521085759	0.0175202249175715	0.0468933878698788	0.0657676306329645
THYM	MTF2	cg22801127	0.102778258828836	124	1.12240157536938	0.263970369973344	0.0105633704878871	0.45947488335324
THYM	MTF2	cg23992808	-0.0612569100017576	124	-0.666672356198515	0.506282882898328	0.00375240902296343	0.689309576677387
THYM	MTF2	cg26054395	-0.00979021823081133	124	-0.106354088657569	0.915482016034753	9.58483730069104e-05	0.955305870550463
THYM	NAP1L2	cg02379437	-0.0464809545203173	124	-0.505458717715131	0.614179533992432	0.0021604791331198	0.770574674097367
THYM	NAP1L2	cg04297329	-0.0166406860308937	124	-0.180789152691633	0.856843222812542	0.000276912431578781	0.923827400164829
THYM	NAP1L2	cg07693661	-0.0292586297665049	124	-0.317966202019501	0.751072592191892	0.000856067415813409	0.860574485793067
THYM	NAP1L2	cg20001978	-0.0723650430467684	124	-0.788151944066975	0.432188294993853	0.00523669945516065	0.625981945940582
THYM	NAP1L2	cg23483095	-0.0682051668975746	124	-0.742627100056397	0.459183286511563	0.00465194479152601	0.649107875252226
THYM	NCOA1	cg11380327	-0.379917571153207	124	-4.4614815245664	1.87033509864117e-05	0.144337360870952	0.000226214006006982
THYM	NCOA1	cg13911252	0.0542490351993422	124	0.590164415589543	0.556208919977729	0.00294295782005947	0.727603552824486
THYM	NCOA1	cg15477048	0.112441205488504	124	1.22921937608437	0.221435106971028	0.0126430246917079	0.409809033227171
THYM	NCOA1	cg23006163	-0.266247213138317	124	-3.00048832419312	0.00328942003845939	0.0708875785039203	0.0177202240759284
THYM	NCOA3	cg04175879	0.00456932840998136	124	0.0496361296830092	0.960496274444516	2.08787621182628e-05	0.979266362863907

THYM	NCOA3	cg09568061	-0.0626320389307684	124	-0.681696474478517	0.496766700376708	0.00392277230062529	0.681394080130528
THYM	NCOA3	cg12128876	0.0624252204804046	124	0.679436610477078	0.498191888350125	0.00389690815202712	0.682486128203807
THYM	NCOA3	cg14341558	-0.0639263332762993	124	-0.695840985105242	0.487896649506078	0.00408657608615249	0.674095520466124
THYM	NCOA3	cg14774045	0.0434248958340108	124	0.472160502992789	0.63768423974415	0.00188572157819469	0.786859254070434
THYM	NCOA3	cg18295930	-0.200354304122057	124	-2.22144799791883	0.0282284530503434	0.0401418471802336	0.0943746734538834
THYM	NCOA3	cg21735648	-0.0536273686949109	124	-0.583381810770417	0.560749671521845	0.00287589467313991	0.731376907831642
THYM	NCOA3	cg22511723	0.0776389996034968	124	0.845928814813567	0.399304615777936	0.00602781425943177	0.59591964394323
THYM	NCOA3	cg22876277	0.14675527900851	124	1.61161966145899	0.109716347683	0.0215371119168657	0.254510781001052
THYM	NCOA3	cg24856420	0.0418439699972882	124	0.454940317008484	0.649988076732904	0.00175091782513396	0.795262451305531
THYM	NCOA3	cg25373408	-0.0226637455830592	124	-0.246254545253231	0.805913049261528	0.000513645363853637	0.894678551177979
THYM	NCOR1	cg00253204	0.0828559749799272	124	0.903151726745221	0.368285379476391	0.00686511258987431	0.567143591483785
THYM	NCOR1	cg08125503	-0.203634773719075	124	-2.25938082597768	0.0256952361402509	0.0414671210676188	0.0879616799667008
THYM	NCOR1	cg08206308	-0.128937289519819	124	-1.41240718996316	0.160462055933976	0.0166248246287177	0.330351316043287
THYM	NCOR1	cg21211144	0.0692552605747694	124	0.754115345564455	0.452282211235616	0.00479629111727921	0.642704216656563
THYM	NCOR1	cg22291359	-0.154619762127423	124	-1.70004518914187	0.0917568270771663	0.023907270840341	0.223938452833335
THYM	NCOR1	cg22625220	-0.15564746074828	124	-1.7116243333502	0.0895930846211067	0.0242261320373874	0.220157273390663
THYM	NCOR2	cg08976554	-0.284307377245029	124	-3.22130149178626	0.0016493197364979	0.080830684755947	0.0101633215384153
THYM	NCOR2	cg10641483	0.0995641144913316	124	1.0869439834237	0.279276877434618	0.00991301289444299	0.476313011710448
THYM	NCOR2	cg13416396	-0.0692575652593692	124	-0.754140562054117	0.452267129073643	0.00479661034565579	0.642704216656563
THYM	NCOR2	cg13419087	-0.210383817808037	124	-2.33767300201008	0.0210886603333864	0.0442613507954854	0.0758575503757093
THYM	NCOR2	cg13857025	-0.339330860473375	124	-3.91857725771646	0.000149796720776705	0.115145432869601	0.00136057047239965
THYM	NCOR2	cg16181859	-0.440669594135373	124	-5.33258368575077	4.72918056399534e-07	0.194189691195434	8.77419205331395e-06
THYM	NCOR2	cg19895345	-0.0449513281743792	124	-0.488790490845953	0.625897255448149	0.00202062190464074	0.778707956280918
THYM	NCOR2	cg23611643	-0.261040078125771	124	-2.93746910329691	0.00398022177321456	0.0681419223879086	0.0206741919359988
THYM	NCOR2	cg24626542	-0.27473943425981	124	-3.10387526907092	0.00239119840279503	0.0754817567374003	0.0137355747284233
THYM	NCOR2	cg25113767	-0.336981776186077	124	-3.88796137779553	0.000167548871865165	0.113556717481523	0.00149647496416518
THYM	NCOR2	cg25449924	-0.252044208170537	124	-2.8924090965209	0.00548481543506429	0.063526282872313	0.0267045770406428
THYM	ORC1	cg00298020	-0.0984845591579307	124	-1.07504238140967	0.28454902586512	0.00969920839253196	0.481850390033765
THYM	ORC1	cg02275620	0.0200758098303396	124	0.218123075759343	0.827709985815027	0.000403038140343959	0.907395612839786
THYM	ORC1	cg04407474	0.0403583150623526	124	0.438760988682021	0.661637037199754	0.00162879359467212	0.80308467077115
THYM	ORC1	cg07142859	-0.0325106381223879	124	-0.35334270622052	0.724462003980373	0.00105694159112486	0.843921972053085
THYM	ORC1	cg08613513	0.0534198853348642	124	0.581118244607997	0.56226909724017	0.00285368414919003	0.732511004968715
THYM	ORC1	cg10586599	0.106622392441498	124	1.1648558056365	0.246426863773814	0.0113683345699488	0.43958018482539
THYM	ORC1	cg13460942	0.0768565459383482	124	0.83735254161987	0.404087173120622	0.00590692865357343	0.600599590207434
THYM	ORC1	cg16136434	0.0950127080960777	124	1.03679257972695	0.301952514407634	0.00902741469975046	0.50035153722655
THYM	ORC1	cg16965475	-0.0551998308199491	124	-0.600539271346013	0.549298596756906	0.003047021322551	0.722278029107833
THYM	ORC1	cg17146111	0.148763273037944	124	1.63416641554564	0.104889137481077	0.0221305114049618	0.246458425794457
THYM	ORC1	cg19776520	0.261875228373238	124	2.94755776492928	0.00386133715316978	0.0685786352353534	0.0201864325920262
THYM	ORC1	cg21197365	0.0916103976595527	124	0.999345964020231	0.319672038357308	0.00839246495934138	0.519003392436105
THYM	ORC1	cg23606758	0.104423658646989	124	1.14056686917597	0.25635985562635	0.0109043004852229	0.450616566981461
THYM	ORC1	cg25605769	0.12620942395272	124	1.38203655836241	0.169571126702465	0.0159288186944775	0.343111718227471
THYM	PADI1	cg14524955	-0.150068623158132	124	-1.64883460265207	0.10184143767885	0.0225205916565774	0.241382389945417
THYM	PADI1	cg21010178	-0.100735954912839	124	-1.09986737565902	0.273628715926007	0.0101477326122015	0.46999784342911
THYM	PADI1	cg22193702	-0.0593104483314186	124	-0.6454125745003	0.519912863150883	0.00351772928127387	0.700329009332152
THYM	PADI2	cg00569276	0.103205132396949	124	1.12711337939498	0.261981321897476	0.0106512993530717	0.457342974119611
THYM	PADI2	cg01603374	-0.100824530859879	124	-1.10084440388112	0.273204944348158	0.0101655860231146	0.469529126510418
THYM	PADI2	cg07014827	0.0331069862059098	124	0.359831178482249	0.719616582651631	0.0010960725356383	0.840906842802456
THYM	PADI2	cg09313801	-0.0170278765385007	124	-0.184996906808526	0.853549053353693	0.000289948579410422	0.92195433418396
THYM	PADI2	cg10233913	0.0725612553539909	124	0.790300253934815	0.430937825347482	0.00526513577854708	0.624965086780545
THYM	PADI2	cg15185794	-0.0512464046801142	124	-0.557410860712775	0.578302602244194	0.00262619399263803	0.74459570736486
THYM	PADI2	cg17183414	-0.0172493869191496	124	-0.187404186031861	0.85166559942533	0.000297541349086529	0.920894734698842
THYM	PADI2	cg18228326	-0.0288497926498949	124	-0.31351946470907	0.754439557869908	0.000832310535941928	0.86280921107466
THYM	PADI2	cg18879300	-0.172357419541825	124	-1.90072617674365	0.0597774059296222	0.0297070800711166	0.164217936185078
THYM	PADI2	cg19282714	-0.0419092192523362	124	-0.455650973888153	0.649478364654742	0.00175638265834039	0.794994804715027
THYM	PADI3	cg01459162	-0.0205555571205371	124	-0.223337693401386	0.823658869887348	0.000422530928535662	0.905088185945566
THYM	PADI3	cg12858514	-0.26806043033017	124	-3.0224987198843	0.00307546917379198	0.0718563943087961	0.0167932230579051
THYM	PADI3	cg14664242	-0.164765425386206	124	-1.81461133933985	0.0721239901239125	0.0271476454026975	0.188396134836467

THYM	PADI3	cg17589397	0.00676752304687595	124	0.0735158008352431	0.941520145006073	4.57993681899971e-05	0.968805710892457
THYM	PADI3	cg18768338	-0.191393789372312	124	-2.11822769729989	0.0362538667878314	0.0366315826102929	0.11386085235739
THYM	PADI3	cg21966975	-0.172486937395976	124	-1.90219825650574	0.059582835393606	0.0297517435722433	0.163839634392923
THYM	PADI4	cg16091981	-0.540436772947125	124	-6.97736306245699	1.87637274262151e-10	0.292071905553502	7.10318934985392e-09
THYM	PADI4	cg18333690	-0.679864179006728	124	-10.0706833949743	1.36282378137595e-17	0.462215301896492	1.44244235712055e-15
THYM	PADI4	cg19159961	0.375447884459938	124	4.40031992990526	2.38492151850282e-05	0.140961113945443	0.000279206297382105
THYM	PADI4	cg21295838	-0.584788984312962	124	-7.83105062380166	2.3310367273461e-12	0.341978156173786	1.25321818360167e-10
THYM	PADI4	cg23228178	0.570669617095965	124	7.54896690339887	1.01205790194261e-11	0.325663811876456	4.7948862621025e-10
THYM	PADI4	cg26918754	-0.640207914268953	124	-9.05288050124288	3.46555025364632e-15	0.409866173492603	2.75521326579378e-13
THYM	PADI6	cg12643633	0.0720839137665013	124	0.785074046606429	0.433983555096228	0.0051960906238964	0.627533767382081
THYM	PADI6	cg16017904	0.074000808807474	124	0.806064625258865	0.421827068726374	0.00547611970416032	0.616912931123562
THYM	PARP1	cg00653565	-0.0327355178856328	124	-0.355789430647238	0.722633528648566	0.00107161413124058	0.842839513751129
THYM	PARP1	cg02088626	0.0164075659817005	124	0.17825578323034	0.858827771421785	0.000269208221443857	0.924997544614854
THYM	PARP1	cg03149313	0.207166963529712	124	2.30031316107094	0.0231872165350106	0.0429181507781209	0.0814534787700071
THYM	PARP1	cg04960271	0.0268009583772279	124	0.291237543302075	0.771380966367535	0.000718291369937905	0.873310603457572
THYM	PARP1	cg07113065	-0.260155665063152	124	-2.92679306027164	0.0041096861844599	0.0676809700644511	0.0211991392316323
THYM	PARP1	cg17661881	-0.00374969666957274	124	-0.0407324181846442	0.967578055696237	1.40602251138049e-05	0.982935783575416
THYM	PARP1	cg25722198	-0.0319396823845645	124	-0.347130865497491	0.729111344243627	0.00102014331082686	0.84676402051338
THYM	PARP1	cg26464410	-0.090185826885142	124	-0.983677370104611	0.327286799129445	0.0081334833709568	0.526760096234117
THYM	PARP2	cg01813761	-0.0626261042751128	124	-0.68163162645131	0.496807566227519	0.0039220289366773	0.681405663130584
THYM	PARP2	cg10910545	-0.11460986960413	124	-1.25323998191844	0.212595968245383	0.0131354222106758	0.398868675325132
THYM	PARP2	cg15078479	-0.0424832062302763	124	-0.461902758403759	0.645001511975726	0.00180482281160419	0.79183890327357
THYM	PARP2	cg15365367	-0.148944416086731	124	-1.63620139155247	0.104461987568653	0.0221844390834172	0.2457529725181
THYM	PARP2	cg18899035	-0.13170681516021	124	-1.43714641940391	0.153345324365216	0.0173466851596458	0.320534867497852
THYM	PARP2	cg19540080	0.00437262807073679	124	0.0474993529951201	0.962195544728686	1.91198762449953e-05	0.980188044504405
THYM	PARP2	cg24595957	-0.0195513225141703	124	-0.212422328329551	0.83214407877462	0.000382254212053101	0.909964949384923
THYM	PARP2	cg26206608	-0.100782946991073	124	-1.10038571383775	0.273403837751919	0.0101572024042055	0.469777540675269
THYM	PARP2	cg26430074	0.00161856358688722	124	0.0175821239857884	0.986001911640308	2.61974808479721e-06	0.992714095280661
THYM	PAXIP1	cg02824291	-0.0759234739423297	124	-0.827127412810072	0.409834365770127	0.00576437389547162	0.605777101911825
THYM	PAXIP1	cg12220104	0.183491041327773	124	2.02764959160697	0.0448486700366067	0.0336689622475507	0.133222247387368
THYM	PAXIP1	cg22583711	-0.00418071869268087	124	-0.0454146263434862	0.963853589947792	1.74784087873313e-05	0.98097789230727
THYM	PAXIP1	cg24448952	-0.0167974804035412	124	-0.182493089945876	0.855508935514864	0.000282155347907351	0.923152740724363
THYM	PAXIP1	cg24452135	0.0986013047624281	124	1.07632926249922	0.283975699013184	0.00972221730085323	0.481246172073448
THYM	PCGF1	cg03203239	-0.133000351229016	124	-1.457703875772	0.147578471128392	0.0176890934270417	0.312332542112251
THYM	PCGF1	cg08092637	-0.0343272882304363	124	-0.373109690977876	0.709736213041996	0.00117836271725545	0.834666953248512
THYM	PCGF1	cg27306986	0.156783412940209	124	1.72442980648921	0.087248824335374	0.0245810385731801	0.215995259685148
THYM	PCGF2	cg09395368	-0.0139014881144507	124	-0.151023407333712	0.88021512751074	0.000193251371796215	0.936442099333596
THYM	PCGF2	cg17902383	-0.0855875613506001	124	-0.933142917251092	0.352651656741962	0.00732523065794274	0.551640766666472
THYM	PCGF2	cg20228512	-0.0257889154280655	124	-0.280232529766587	0.779789796351348	0.000665068158955914	0.878307862068639
THYM	PCGF2	cg25377665	-0.170457763543248	124	-1.87914660989964	0.0626914501279368	0.0290558491521659	0.1700198246907
THYM	PCGF5	cg03905463	0.00695602397277924	124	0.0755635896500489	0.939894265543147	4.83862695098795e-05	0.967977739302111
THYM	PCGF5	cg06001881	0.0379971282907026	124	0.413052750635295	0.680317574738429	0.00144378175834011	0.815589234957103
THYM	PCGF5	cg07421809	-0.10938388669535	124	-1.19538596814174	0.234333111395403	0.0119648346685812	0.425301777008002
THYM	PCGF5	cg07424295	-0.0588245332690233	124	-0.640106440515556	0.523344358764369	0.00346032571431843	0.702735882977571
THYM	PCGF5	cg08633154	0.0400231611708589	124	0.435111446414744	0.664276310303068	0.00160185343010854	0.804995891949791
THYM	PCGF5	cg11113644	0.133997054813639	124	1.46882687012628	0.144540641326423	0.0179552106987293	0.307913759005087
THYM	PCGF5	cg12783297	0.070849249560312	124	0.771558746512583	0.441918177952944	0.00501961616325938	0.634361418896397
THYM	PCGF5	cg15550435	-0.240610047542882	124	-2.69280368019604	0.00811682383602801	0.0578931949785878	0.0363230668143099
THYM	PCGF5	cg17001035	0.0121349455594508	124	0.131828956604323	0.895344098299418	0.000147256903730835	0.944426499750579
THYM	PCGF5	cg20515900	-0.186697646260201	124	-2.06435218514107	0.0411761059491618	0.0348560111190992	0.125019670057337
THYM	PCGF5	cg22968329	0.0508289257850681	124	0.55285810176989	0.58140641860285	0.00258357969646396	0.746836810686406
THYM	PCGF5	cg23395902	-0.034419709404502	124	-0.374115423845482	0.708989845078802	0.00118471639549037	0.834222331232297
THYM	PCGF5	cg25390656	0.134802841976795	124	1.47782259531559	0.142119477433261	0.0181718062050208	0.304423223400053
THYM	PCGF6	cg01917164	0.265511372431982	124	2.99156585203734	0.0033799976399361	0.0704962888907148	0.0181252868547039
THYM	PCGF6	cg06691148	-0.0808274130011092	124	-0.880892627093557	0.380166615179195	0.00653307069245187	0.578602372368633
THYM	PCGF6	cg11612727	-0.0910562972819384	124	-0.993250785314732	0.322620166173359	0.00829124927469674	0.522046618006704
THYM	PCGF6	cg11814370	-0.235298792351513	124	-2.62983684321515	0.00968101452352647	0.0553655216820806	0.0415457525574996

THYM	PCGF6	cg14409890	0.0472885520200171	124	0.514260478633073	0.608031676119731	0.00223620715214986	0.76583796729581
THYM	PCGF6	cg16113748	-0.00929127916923955	124	-0.100933482878164	0.919774562320152	8.63278686007447e-05	0.95775532132854
THYM	PCGF6	cg16382383	0.0836518186618801	124	0.911887469032591	0.363687159434399	0.00699762676544007	0.562607200368408
THYM	PCGF6	cg24418712	0.0573322390345729	124	0.623813604748883	0.533954072376055	0.00328698563271741	0.710909175191217
THYM	PCGF6	cg25481680	-0.188989119927425	124	-2.09062204580931	0.0387086336238781	0.0357168874509426	0.119533956975864
THYM	PCGF6	cg26155979	-0.239180842026074	124	-2.67583499308684	0.00851407936102892	0.0572074751923018	0.0376953098749009
THYM	PCGF6	cg27217148	0.351428479630228	124	4.07757996498123	8.29511654962318e-05	0.123501976295213	0.000818506211138236
THYM	PHC1	cg02770112	0.157026649971482	124	1.72717270280084	0.0867532658453836	0.0246573688012662	0.215199884033538
THYM	PHC1	cg08021945	0.148790669850037	124	1.63447418279758	0.104824445873363	0.0221386634344227	0.246358507062398
THYM	PHC1	cg08867249	0.0676141308557222	124	0.73616213466487	0.463092963676223	0.00457167069137473	0.652382275474052
THYM	PHC1	cg09059548	-0.156422163088413	124	-1.72035671565327	0.0879889749828833	0.0244678931052579	0.217371048581087
THYM	PHC1	cg09912793	0.0202738019106943	124	0.220275134049251	0.8260375321891	0.000411027043914071	0.906421662728243
THYM	PHC1	cg12581035	0.0707561706265825	124	0.770539999590823	0.442519658143478	0.00500643568173806	0.634885090932145
THYM	PHC1	cg14199415	-0.0241560764926697	124	-0.262478747921901	0.793410064338453	0.000583516031519709	0.886819533475647
THYM	PHC2	cg06899053	-0.0385486962214795	124	-0.419057501170676	0.675935951586292	0.00148600198037591	0.812694833652981
THYM	PHC2	cg13640100	0.185183972114719	124	2.04701833442154	0.0428771304648739	0.0342931035281851	0.128821823944093
THYM	PHC2	cg15586632	0.110721464329911	124	1.21018380625495	0.228627015428561	0.0122592426633597	0.418578288066873
THYM	PHC2	cg16558908	-0.137924016086079	124	-1.51269542427973	0.133030752534265	0.0190230342133129	0.290751091831506
THYM	PHC2	cg17161743	0.249267016579621	124	2.79598884250251	0.00604225124968141	0.0621340455545052	0.0288294287900558
THYM	PHC2	cg19746874	0.113562585535783	124	1.24163778648286	0.216832609004639	0.0128964608335721	0.404138064864279
THYM	PHC2	cg21198021	0.0517855215946975	124	0.563290560247931	0.574305866172195	0.00268174024683488	0.741536108763481
THYM	PHC2	cg21578869	0.223412570117716	124	2.48981432223249	0.0141736295938306	0.0499131764866033	0.0558617616723983
THYM	PHC2	cg23886755	0.0740519061490869	124	0.806624278423063	0.42150574263419	0.00548368480431317	0.616611739955615
THYM	PHF1	cg01097444	-0.0770563111659178	124	-0.83954196825831	0.40286295090279	0.00593767509049875	0.599398743745245
THYM	PHF1	cg02776641	-0.141246212336719	124	-1.54986477156005	0.123851913495639	0.0199504924994696	0.276691050441668
THYM	PHF1	cg03560363	0.00436168460646955	124	0.0473804731440617	0.962290089033447	1.90242926063134e-05	0.980234024897564
THYM	PHF1	cg03876174	0.110487192434632	124	1.20759153981169	0.229619296827221	0.0122074196920874	0.419673986875689
THYM	PHF1	cg06618123	-0.201983363510241	124	-2.24027536191326	0.0269451027628612	0.0407972791349103	0.0911297854244857
THYM	PHF1	cg06919790	0.0375198220344223	124	0.407856769474248	0.684117892657152	0.00140773704549472	0.818131425210534
THYM	PHF1	cg07857404	0.00521447864586156	124	0.056644507015658	0.954924184094702	2.71907875481462e-05	0.976013615074523
THYM	PHF1	cg08665801	-0.151247147079702	124	-1.66208522194319	0.0991500320745113	0.0228756994997489	0.236814270215975
THYM	PHF1	cg08798692	-0.0609565149423052	124	-0.663390867973008	0.508374204414515	0.00371569671391147	0.690921430093058
THYM	PHF1	cg10033570	0.0274301261641471	124	0.298079599776024	0.766166624173963	0.000752411821381029	0.870360630846355
THYM	PHF1	cg10797813	-0.141737145252893	124	-1.55536191768792	0.122537945415588	0.0200894183444396	0.274631008200867
THYM	PHF1	cg13303256	-0.168821961694068	124	-1.86058165534686	0.065292731264301	0.0285008547502332	0.175181332504743
THYM	PHF1	cg13528777	-0.106551426506532	124	-1.16407159239172	0.246743241288079	0.011353206490577	0.439952869877718
THYM	PHF1	cg13547657	-0.138183910007709	124	-1.51560127119435	0.132294465159068	0.0190947929850186	0.289605639828476
THYM	PHF1	cg18443095	0.0338215687005303	124	0.367606589137823	0.713825118105421	0.00114389850936469	0.837124716669098
THYM	PHF1	cg20135607	-0.16646265830701	124	-1.83383340241996	0.0691986382902857	0.0277098166106364	0.182823530893343
THYM	PHF1	cg20872639	-0.0446101826144666	124	-0.485073526533202	0.628523515421553	0.00199006839289606	0.780627089193184
THYM	PHF1	cg23345642	-0.0622588684307958	124	-0.677618978551133	0.499339778212529	0.00387616669828314	0.683550672441125
THYM	PHF1	cg23718418	-0.330044861669354	124	-3.79802634943669	0.000232023050197731	0.108929610714343	0.00196623106395232
THYM	PHF1	cg24796663	-0.337051128839634	124	-3.88886408068551	0.000166997917853969	0.113603463452072	0.0014920679937443
THYM	PHF1	cg26673053	0.00784325748645888	124	0.0852022051304056	0.932245030624886	6.15166879988933e-05	0.964043573037065
THYM	PHF10	cg04353997	-0.302966217686063	124	-3.45335891084651	0.000769598059136474	0.091788529058999	0.00539030443976437
THYM	PHF10	cg05243705	-0.178710427419907	124	-1.97305494706243	0.0508272379360298	0.0319374168686058	0.146036139773819
THYM	PHF10	cg05736120	-0.201654872345542	124	-2.23647736979143	0.0271998036640761	0.0406646875406969	0.0917598233409858
THYM	PHF10	cg07652237	-0.427203839401814	124	-5.13254893820745	1.1381076704325e-06	0.182503120399651	1.91889787849211e-05
THYM	PHF10	cg11442717	-0.186057789240964	124	-2.05702300752421	0.0418881452101976	0.0346175009372348	0.126618214504278
THYM	PHF10	cg15342139	0.0513875313555859	124	0.558949964495283	0.57725511477361	0.00264067837882132	0.743852685234188
THYM	PHF10	cg15360169	-0.275374807853485	124	-3.11164167443527	0.00233387438044788	0.0758312848003438	0.0134679946886276
THYM	PHF10	cg16740543	-0.0972706255941466	124	-1.06166389689437	0.290556347851961	0.00946157460347665	0.488179536782529
THYM	PHF10	cg27124293	-0.0587812763887525	124	-0.639634102778205	0.523650390794792	0.00345523845389092	0.702965557114417
THYM	PHF11	cg00092518	-0.43910201147334	124	-5.30907302292443	5.24849273039177e-07	0.192810576479933	9.64794998743142e-06
THYM	PHF11	cg01214340	-0.295722651690036	124	-3.36277422266617	0.00104088127172614	0.0874518867225861	0.00694205013235813
THYM	PHF11	cg02289189	0.185996121916251	124	2.05631678878372	0.041957309494416	0.0345945573678849	0.126778021238585
THYM	PHF11	cg05080330	0.0638549531969215	124	0.695060826293932	0.488383623045306	0.00407745504778104	0.674373571661913

THYM	PHF11	cg09997676	-0.359742787845618	124	-4.18820063167283	5.44866852743784e-05	0.129414873406937	0.000571643586545515
THYM	PHF11	cg16956501	-0.220044131533759	124	-2.45034936297033	0.0157391264117865	0.0484194198224462	0.0605483928433648
THYM	PHF11	cg21320768	-0.493999200877649	124	-6.17186568374253	9.82581922849077e-09	0.244035210467755	2.68961921555669e-07
THYM	PHF11	cg23137039	0.12221576938974	124	1.33763054994903	0.183589331633466	0.014936694287526	0.361829865856655
THYM	PHF11	cg24481868	-0.319215863651476	124	-3.65900348612247	0.000379887012999089	0.101898767606758	0.00297762521806057
THYM	PHF11	cg24984523	-0.313952996755057	124	-3.59202032852952	0.000479585067292463	0.0985664841714808	0.00361554808847271
THYM	PHF11	cg25162948	-0.413684839010964	124	-4.93592720532403	2.64782932894374e-06	0.171135146027527	4.05163719149978e-05
THYM	PHF12	cg01406758	0.0903633171407771	124	0.98562921900522	0.326331771193342	0.00816552908468466	0.525849421966126
THYM	PHF12	cg02058367	0.0182019244921347	124	0.197756272310032	0.84357602611172	0.000331310055217373	0.9164116319467
THYM	PHF12	cg06895197	-0.010704025092467	124	-0.116282136722548	0.907626611356932	0.000114576153180162	0.951025060663503
THYM	PHF12	cg08657247	-0.0108647157335055	124	-0.118027988450683	0.906246157916323	0.000118042047969881	0.950392079494029
THYM	PHF12	cg08806622	-0.00628968786459644	124	-0.0683248501161035	0.945642685759695	3.95601734340517e-05	0.970938700936395
THYM	PHF12	cg13564075	-0.152275162435295	124	-1.67364953379759	0.0968483873925208	0.0231877250946955	0.232702951132402
THYM	PHF14	cg06715026	0.0395737099518797	124	0.430217533646165	0.667822109779408	0.00156607851935551	0.807340325805073
THYM	PHF14	cg07287563	0.0641459434275625	124	0.698241311103197	0.486400035047997	0.00411470205821205	0.672884808594869
THYM	PHF14	cg07574654	0.0238907981630781	124	0.259594591212561	0.795628879572078	0.000570770236868938	0.888162451139064
THYM	PHF14	cg11931558	-0.132425857031621	124	-1.45129469374681	0.149351208846927	0.0175366076105595	0.31479118754336
THYM	PHF14	cg13029706	-0.0403989036736375	124	-0.43920297435767	0.66131769041397	0.00163207141803184	0.802961533424863
THYM	PHF14	cg16800461	-0.243554438236116	124	-2.72782064040515	0.00734968232873051	0.05931876438451	0.0336468655964963
THYM	PHF14	cg20819769	-0.0880091023067979	124	-0.959747696909304	0.339144642787576	0.00774560208884843	0.538437109000341
THYM	PHF14	cg20964328	-0.191163019796272	124	-2.11557674999196	0.0364836158980308	0.0365433001376298	0.11441457855526
THYM	PHF14	cg22876561	-0.25301945335573	124	-2.84093543718419	0.00530022264919634	0.0640188437764323	0.0259830815282362
THYM	PHF14	cg23083824	-0.0945208507958495	124	-1.03137684980299	0.304473448775963	0.00893419123517125	0.503046425227769
THYM	PHF14	cg24491907	-0.0327228140437957	124	-0.355651209568172	0.722736780792158	0.00107078255894483	0.842917863360672
THYM	PHF19	cg11054680	-0.0471217900965424	124	-0.512442908629673	0.609298935882782	0.0022204631019026	0.76686363784723
THYM	PHF19	cg11594303	-0.0354479437526142	124	-0.385305386979301	0.700704848579575	0.0012565567162885	0.828515062587782
THYM	PHF19	cg13501527	-0.101176294740343	124	-1.10472476186236	0.271526384814661	0.0102366426173849	0.467832906918379
THYM	PHF19	cg13793166	-0.0998160656046355	124	-1.08972218514529	0.278055940883662	0.0099632469527889	0.47486573290094
THYM	PHF19	cg13851767	0.837094478373368	124	16.621944679499	1.06842133643157e-32	0.700727165723181	3.22158021109913e-30
THYM	PHF19	cg13852822	0.659756843444925	124	9.53691636275296	2.50793498129374e-16	0.435279092472412	2.29802466354258e-14
THYM	PHF19	cg14218513	0.0186868729121647	124	0.203026850015735	0.839463720744611	0.000349199219235394	0.914083238611266
THYM	PHF19	cg27207079	0.72469093347169	124	11.4242562123202	8.26205770085957e-21	0.525176949056069	1.16861548505576e-18
THYM	PHF20	cg01512265	-0.0759973450267755	124	-0.827936853761978	0.409377620644134	0.00577559645111876	0.605366533994635
THYM	PHF20	cg02674305	0.0178860054377315	124	0.194322836251431	0.846257256087181	0.00031990919051856	0.917861143885125
THYM	PHF20	cg02957488	-0.030143442978135	124	-0.327590466940251	0.743801817493895	0.000908627154576074	0.856067561103682
THYM	PHF20	cg04179482	-0.0679125714299952	124	-0.739426487553751	0.461116506820104	0.0046121173582342	0.650720449519044
THYM	PHF20	cg09692677	-0.17635293060731	124	-1.94618574238089	0.0540097341560691	0.0311003561337866	0.152658985537087
THYM	PHF20	cg10372813	-0.0354107221112468	124	-0.384900293966947	0.701004156587643	0.00125391924043994	0.828680774280358
THYM	PHF20	cg21765224	-0.00944250678479748	124	-0.10257645149799	0.918473249033331	8.91609343809464e-05	0.956976694729708
THYM	PHF20	cg23538717	0.0426104856459045	124	0.463289129539901	0.644010498286914	0.00181565348697984	0.791059206160015
THYM	PHF20	cg23734815	-0.0621871539090024	124	-0.676835413251514	0.499835062031969	0.00386724211130196	0.683882106576295
THYM	PHF20	cg25561939	-0.0450869953383996	124	-0.490268705094751	0.624854139613984	0.00203283714864487	0.777876064841973
THYM	PHF20	cg27405321	-0.00630127195771448	124	-0.0684506930580751	0.945542726125056	3.97060282850789e-05	0.970914577312033
THYM	PHF20L1	cg02898212	0.117476570319861	124	1.28502011961352	0.20130186820835	0.0138007445741173	0.3845606192083
THYM	PHF20L1	cg05307234	0.12477985483516	124	1.36613325209051	0.174495061651596	0.0155700121726835	0.349868510568089
THYM	PHF20L1	cg10591701	-0.0952357828302625	124	-1.03924905768643	0.300813714532449	0.00906985433129291	0.49912556485736
THYM	PHF20L1	cg17646969	0.0398066220300156	124	0.432753596706841	0.665983705599575	0.00158456715744052	0.806164712432
THYM	PHF20L1	cg24511731	0.0500104421752881	124	0.54393308182769	0.587513787250535	0.00250104432656784	0.751349584029839
THYM	PHF20L1	cg26292018	0.20775517012047	124	2.30713859552887	0.0227906363303924	0.0431622107117853	0.0803596411497324
THYM	PHF20L1	cg27342122	0.131984174666067	124	1.44636820199143	0.150724996588183	0.017419822362283	0.316708542921457
THYM	PHF21B	cg01775414	-0.122052171486383	124	-1.33581290393533	0.184181124935749	0.0148967325645415	0.362555324728029
THYM	PHF21B	cg01995480	0.194220092903314	124	2.15072437607595	0.0335374373752215	0.0377214444873718	0.107256378341952
THYM	PHF21B	cg05064352	0.177458427149232	124	1.95878113112139	0.0524975010136297	0.0314914933662793	0.149503627552598
THYM	PHF21B	cg10080155	0.212571196678363	124	2.36312202942877	0.0197568629023572	0.0451865136572713	0.0721512248909011
THYM	PHF21B	cg11428482	0.0227288736353738	124	0.246962563993805	0.805366347795212	0.000516601696732792	0.894284384024618
THYM	PHF21B	cg14786713	-0.0215631201207675	124	-0.234289915584532	0.815165942324992	0.00046496814934265	0.900551269806447
THYM	PHF21B	cg15679813	0.197999634149069	124	2.19426848452428	0.0301750960190172	0.039203855123165	0.0991220436847956

THYM	PHF21B	cg20495645	0.208618805364589	124	2.31716479244544	0.0222189051653518	0.0435218059517483	0.0787829311045296
THYM	PHF21B	cg20525183	0.23221807430831	124	2.59342858560554	0.0107049899171758	0.0539252340354596	0.0449570279430347
THYM	PHF21B	cg21715212	0.023528772577702	124	0.255658668256461	0.798659530003898	0.000553603139013223	0.8900274906446
THYM	PHF21B	cg23080354	0.206632038454921	124	2.29410825826172	0.0235529946168713	0.0426967993160359	0.0824164116240053
THYM	PHF21B	cg25561581	0.200512905716875	124	2.2232801416428	0.0281012656734487	0.0402054253590243	0.0940585948627601
THYM	PHF21B	cg25976257	0.211026703730864	124	2.34514881609168	0.0206894500097987	0.0445322696875139	0.0747499105546293
THYM	PHF23	cg00039960	0.121892417016581	124	1.3340380685205	0.184760359511534	0.014857761326144	0.363281875593082
THYM	PHF23	cg01441172	0.253582414866133	124	2.84769032708035	0.00519620648130372	0.0643040411293397	0.0255649941188048
THYM	PHF23	cg04379155	-0.189839049090464	124	-2.10037476203442	0.0378255286247001	0.0360388645595717	0.117515941446882
THYM	PHF23	cg11180288	-0.102173669360519	124	-1.11572922603731	0.266805051883813	0.0104394587105927	0.462535815979171
THYM	PHF23	cg13351208	-0.0906976112411732	124	-0.989305686958052	0.324537883512223	0.00822605668485499	0.523922671414774
THYM	PHF23	cg22033559	-0.240842789381074	124	-2.69556873656681	0.00805370679431575	0.0580052491968564	0.036115406176908
THYM	PHF23	cg26213471	-0.211752243330398	124	-2.35358959672508	0.020246743120864	0.0448390125554561	0.0735054664151808
THYM	PHF23	cg26784276	0.0388003731324634	124	0.42179755746591	0.673940228783864	0.00150546895521839	0.811504521106039
THYM	PHIP	cg01492710	0.106204845524008	124	1.16024193711501	0.248292390572591	0.0112794692127784	0.441588730917956
THYM	PHIP	cg04480383	0.00877460250599505	124	0.0953202505177569	0.924222143558831	7.69936491382147e-05	0.960116350285809
THYM	PHIP	cg05801338	-0.15020546647293	124	-1.65037281698587	0.101526011968214	0.0225616821583505	0.240884304472833
THYM	PHIP	cg06848288	-0.0633757470795189	124	-0.689823555925882	0.491659580249801	0.00401648531788715	0.677222376605988
THYM	PHIP	cg08287994	-0.156078119892816	124	-1.71647828780875	0.0886985104283052	0.0243603795092761	0.218637893544346
THYM	PHIP	cg08587415	-0.162484426283157	124	-1.78880387697078	0.0762121481308819	0.0264011887845667	0.196131127450257
THYM	PHIP	cg15564972	0.0382078159675148	124	0.415346397689817	0.678642616511836	0.00145983720100748	0.814466076583446
THYM	PHIP	cg19494004	-0.167725174977569	124	-1.84814293565443	0.0670855745516692	0.0281317343212561	0.178715676552036
THYM	PHIP	cg19950079	-0.0679350393544177	124	-0.739672250515614	0.460967899031179	0.00461516957208628	0.650621682505384
THYM	PHIP	cg21607066	0.0122367211723588	124	0.132934769049646	0.894471400366415	0.000149737345050055	0.944028921939992
THYM	PHIP	cg21875336	-0.0971079761950721	124	-1.05987173979715	0.291367593869721	0.00942995904070269	0.488979626739318
THYM	PHIP	cg26363168	-0.0421968106530386	124	-0.458783321632171	0.64723369982683	0.00178057082928839	0.793227337014438
THYM	PHRF1	cg06063517	-0.122121454612328	124	-1.33658265700863	0.183930332610935	0.0149136496766308	0.362253822134283
THYM	PHRF1	cg07530960	-0.0639960238256664	124	-0.6966026876868	0.48742145201793	0.00409549106549526	0.673710790794429
THYM	PHRF1	cg08482978	-0.169367480687265	124	-1.86677106278058	0.0644156436581368	0.0286853435143509	0.173380466517377
THYM	PHRF1	cg12469954	-0.275233494277044	124	-3.10991396552622	0.00234651530829073	0.0757534763719518	0.0135278502959218
THYM	PHRF1	cg12813709	-0.0388757364528619	124	-0.422618068454214	0.673343059830024	0.00151132288475238	0.811055972693611
THYM	PHRF1	cg15219216	-0.0361528079988651	124	-0.3929769168339	0.695045573105776	0.0013070255262028	0.825149177667421
THYM	PHRF1	cg16143007	-0.0189727370076445	124	-0.206133781218093	0.837041644866679	0.000359964749561242	0.912792869449079
THYM	PHRF1	cg18793109	-0.125145236691827	124	-1.37019713261072	0.173226647401143	0.0156613302666533	0.348118744239286
THYM	PHRF1	cg20152424	0.0361797970711545	124	0.393270669356446	0.694829211599257	0.00130897771610992	0.825045149121803
THYM	PHRF1	cg21006161	-0.147387785974721	124	-1.61871955234025	0.108177456019808	0.0217231594545301	0.251986991914729
THYM	PPARGC	cg04893087	-0.0557941253946513	124	-0.607024902852402	0.545000637304961	0.00311298442855407	0.719045172961504
THYM	PPARGC	cg05158538	-0.123969400803254	124	-1.3571211652354	0.177332942499118	0.0153684123355177	0.353606850274497
THYM	PPARGC	cg11270806	-0.0828290527863995	124	-0.902856240258094	0.368441552419936	0.00686065198549215	0.567306219122175
THYM	PPARGC	cg12691631	-0.115600719724963	124	-1.26422087887688	0.20864226968289	0.0133635264009293	0.393834875590486
THYM	PPARGC	cg20723350	-0.0965934232947969	124	-1.05420268767924	0.29394392029652	0.00933028942380781	0.491722719240227
THYM	PPARGC	cg27461259	-0.0816327613753118	124	-0.889728256583047	0.375422143461153	0.0066639077297586	0.574040037493458
THYM	PPARGC	cg27514608	-0.0734624093114354	124	-0.800168091473142	0.425221407173398	0.00539672558184087	0.620050124641937
THYM	PRDM1	cg00555933	0.0374934734240581	124	0.407569945282185	0.684327911868823	0.00140576054940055	0.81824353990198
THYM	PRDM1	cg01761420	-0.0198943815403311	124	-0.216151078744544	0.829243201564804	0.000395786416872266	0.908223772328752
THYM	PRDM1	cg05170275	-0.0233094047544698	124	-0.253273761984466	0.800497400718072	0.000543328350007701	0.891027254134522
THYM	PRDM1	cg08742502	-0.319056183396249	124	-3.65696565909364	0.000382606639426403	0.101796848163381	0.00299321207839276
THYM	PRDM1	cg14359052	-0.312046538196233	124	-3.56784700243374	0.00052128482331008	0.0973730420002528	0.00388362684778628
THYM	PRDM1	cg17143179	-0.424385215569956	124	-5.09121632848592	1.36131039740315e-06	0.180102811194358	2.24463291766809e-05
THYM	PRDM1	cg17521665	-0.308011696606896	124	-3.51684333306029	0.000620753681449785	0.0948712052466587	0.00450348893916857
THYM	PRDM1	cg17965230	0.00964290729602423	124	0.10475365566089	0.916749135748429	9.29856611197173e-05	0.956063841630315
THYM	PRDM1	cg19464016	0.189693530327754	124	2.09870462523022	0.0379755158419381	0.0359836354482065	0.117826169194041
THYM	PRDM1	cg22186515	0.0228409254408419	124	0.248180706640177	0.804425976320873	0.000521707874994096	0.893606536228711
THYM	PRDM1	cg22196848	0.00703893675127987	124	0.0764643191187458	0.93917919480112	4.95466305885184e-05	0.967510279680575
THYM	PRDM1	cg24040346	0.187256285533618	124	2.07075328757043	0.0405627497777849	0.0350649164718481	0.123606038474401
THYM	PRDM1	cg24793124	-0.0184026876504767	124	-0.199938214691299	0.841873060854298	0.000338658912761006	0.91541067971566
THYM	PRDM1	cg24874254	-0.307835387810131	124	-3.51461945823662	0.00062547375598707	0.0947626259882134	0.00453266002545488

THYM	PRDM1	cg26351406	0.00550154535668502	124	0.0597629840020524	0.952445504019738	3.02670013116625e-05	0.974953887466927
THYM	PRDM10	cg04181189	-0.398104935874842	124	-4.71420311419178	6.70161677311547e-06	0.158487539967912	9.1899449188744e-05
THYM	PRDM10	cg17627813	-0.368470202005275	124	-4.30555141704823	3.46091702493153e-05	0.135770289765808	0.00038622662320689
THYM	PRDM12	cg09191327	-0.00297602981478325	124	-0.0323281017745882	0.974265017401798	8.85675345847881e-06	0.986579185449091
THYM	PRDM12	cg12539975	-0.0123583341009508	124	-0.134256123329943	0.893428768330234	0.000152728421750724	0.94348076619765
THYM	PRDM12	cg13795948	0.0180668846752165	124	0.196288640516783	0.844721902593752	0.000326412321867573	0.917034296351327
THYM	PRDM12	cg13928649	0.0787757298066361	124	0.858391028218967	0.392416853235052	0.00620561560656814	0.58938619380202
THYM	PRDM12	cg23342516	-0.0069876371607764	124	-0.0759070218111402	0.939621615938775	4.88270730906633e-05	0.967773814597199
THYM	PRDM13	cg00126261	0.269506120095251	124	3.04007253032948	0.00291395156263076	0.072633548768796	0.0160828625656827
THYM	PRDM13	cg00579292	0.37098434323141	124	4.33959909183633	3.02935373020951e-05	0.137629382922841	0.000344037290639297
THYM	PRDM13	cg01422797	0.209962135222407	124	2.33277118016553	0.0213540938676858	0.0440840982271522	0.0765468794739079
THYM	PRDM13	cg01815538	0.12432558501602	124	1.36108152160066	0.1760815783343	0.0154568510895757	0.351918201785409
THYM	PRDM13	cg02400433	0.218486576160299	124	2.43213214124584	0.0165123901804675	0.0477363839622499	0.0628118371570723
THYM	PRDM13	cg03120185	0.316332071528449	124	3.62225394484223	0.000431858881833045	0.10006597947748	0.00331223798218672
THYM	PRDM13	cg04910970	0.182439675472242	124	2.01563037398798	0.046110633482288	0.0332842351864169	0.135979174417025
THYM	PRDM13	cg11809464	0.223844933151773	124	2.49488669191255	0.0139828550822239	0.0501065540977216	0.0553072111178832
THYM	PRDM13	cg13738144	0.0809111576614161	124	0.881811324407889	0.379671570412123	0.00654661543411054	0.578170856687633
THYM	PRDM13	cg14344102	0.246778676246491	124	2.76625777619215	0.00658392390723564	0.0608997150499704	0.0308552060935343
THYM	PRDM13	cg17879189	0.142326680656861	124	1.5619646981117	0.120974309792622	0.0202568840268	0.272166845498488
THYM	PRDM13	cg17978124	0.254938441129866	124	2.86397379428932	0.00495309682638759	0.0649936087657264	0.024592878128159
THYM	PRDM13	cg25273233	0.228185020864005	124	2.54589000395886	0.0121884654687872	0.0520684037467065	0.0497804436809196
THYM	PRDM13	cg25924096	0.215061264073269	124	2.39213799460818	0.0183296139796565	0.0462513473047925	0.0680701732830531
THYM	PRDM13	cg26507427	0.242287763169015	124	2.7127466132666	0.0076714637498013	0.0587033601814446	0.0348106539286072
THYM	PRDM14	cg00384539	-0.0285044667586761	124	-0.309763633182782	0.757287075444926	0.00081250462519647	0.864631994933965
THYM	PRDM14	cg01295203	0.027994282655298	124	0.304214974431128	0.761499942854309	0.000783679861384717	0.86738987882935
THYM	PRDM14	cg04838988	-0.0149729685418511	124	-0.162666305656067	0.871059416990372	0.000224189786955262	0.931528357535337
THYM	PRDM14	cg09050331	0.0437122701075103	124	0.475291096284652	0.63545811846423	0.00191076255795194	0.785329356041574
THYM	PRDM14	cg10457247	-0.0174562549190239	124	-0.189652363098689	0.849907400130624	0.000304720835797945	0.919975181034407
THYM	PRDM14	cg11229513	0.042612187319011	124	0.463307664901108	0.643997253070584	0.00181579850811048	0.791055427041196
THYM	PRDM14	cg13267264	-0.0220492161054244	124	-0.239574038243406	0.811076142584771	0.000486167930863707	0.898121297593469
THYM	PRDM14	cg18035229	-0.06046308004005	124	-0.6580010223844	0.511819132377412	0.0036557840479295	0.693810224398438
THYM	PRDM14	cg21255438	-0.0379309263468534	124	-0.412332055941689	0.680844199539855	0.00143875517353042	0.815871989078752
THYM	PRDM14	cg27029821	0.0468758712676542	124	0.5097626707318	0.611169838561249	0.00219734730710169	0.768160014763202
THYM	PRDM4	cg00090609	0.175279390093772	124	1.93396171714668	0.0555124266438519	0.0307228645916445	0.155594801597255
THYM	PRDM4	cg03909902	-0.061093197071092	124	-0.66488394859116	0.50742208240438	0.00373237872836728	0.690184171041828
THYM	PRDM4	cg12900929	0.312367005033132	124	3.57190707552026	0.000514049855000174	0.0975731458333687	0.00383781136467212
THYM	PRDM4	cg18440127	-0.114282635606486	124	-1.24961431129518	0.2139133589455	0.0130605208011649	0.40048647445676
THYM	PRDM4	cg25995916	0.258582901537364	124	2.90782720623342	0.00434926253111596	0.0668651169674823	0.0222041297641183
THYM	PRDM4	cg27140793	-0.0660811121967022	124	-0.719397035193591	0.473318679066678	0.00436671338915315	0.661386189343364
THYM	PRDM5	cg05713693	-0.0281344674228479	124	-0.305739571618322	0.760341659587382	0.000791548257167291	0.866641549931735
THYM	PRDM5	cg06329345	-0.194910717752478	124	-2.15867356680425	0.0329004378264852	0.0379901878947862	0.105714619812217
THYM	PRDM5	cg07070341	-0.110558628883532	124	-1.20838197711568	0.229316400796982	0.0122232104206065	0.419366700759313
THYM	PRDM5	cg10416963	-0.167746468857341	124	-1.84838436335238	0.0670503899636452	0.0281388778141069	0.178664772626539
THYM	PRDM5	cg11171429	-0.166231055597533	124	-1.83120939553639	0.0695920665409039	0.0276327638450702	0.183580459793107
THYM	PRDM5	cg13155001	-0.0384584767892201	124	-0.418075283846407	0.676651913396245	0.00147905443694698	0.813191728440447
THYM	PRDM5	cg18181323	-0.105259493655798	124	-1.14979814513954	0.252552032281997	0.0110795610046751	0.446479777479262
THYM	PRDM5	cg19294653	-0.182165129341868	124	-2.01249294146124	0.0464449915515114	0.0331841343481396	0.136664937579241
THYM	PRDM5	cg22135105	-0.205765224902034	124	-2.28405815007725	0.0241562100930772	0.0423393277789848	0.0839944669012135
THYM	PRDM8	cg01304890	-0.0567680010737357	124	-0.617654366006148	0.537993369759388	0.00322260594590766	0.713770656372567
THYM	PRDM8	cg02895669	0.0462166310915954	124	0.502578153202795	0.616197560450199	0.00213597698945662	0.771899021249924
THYM	PRDM8	cg04343891	-0.0862787961289875	124	-0.94073559626484	0.348762216063663	0.00744403066146739	0.547902983429725
THYM	PRDM8	cg05007549	0.100468504668154	124	1.09691745242117	0.274910961734447	0.0100939204302548	0.471388814951103
THYM	PRDM8	cg07462804	-0.0164115485750606	124	-0.178299062747665	0.858793860213903	0.000269338926631574	0.924986633273988
THYM	PRDM8	cg08074201	-0.0710202937057728	124	-0.77343087382833	0.440814088519781	0.00504388211805422	0.633384271033723
THYM	PRDM8	cg10695325	-0.108297072165494	124	-1.18336720645993	0.239042230317618	0.0117282558396183	0.430843132045058
THYM	PRDM8	cg11571772	-0.0695885408953732	124	-0.75776202701941	0.450104096291312	0.00484256502394702	0.641096306471975
THYM	PRDM8	cg12572049	-0.0739540970340242	124	-0.80555301143321	0.422120940156542	0.00546920846811787	0.617218186950944

THYM	PRDM8	cg14489346	0.015976492404305	124	0.173571283309356	0.862499808023088	0.000255248309544814	0.9268727401554
THYM	PRDM8	cg15656813	-0.0816582324579587	124	-0.890007733181685	0.375272679620101	0.0066806692815801	0.573961114971317
THYM	PRDM8	cg16117799	-0.0693050951319091	124	-0.754660608387534	0.45195614984878	0.00480319621124297	0.642510813225685
THYM	PRDM8	cg18624348	-0.017731977896779	124	-0.192648872570698	0.847565139567431	0.000314423040131861	0.918692542496394
THYM	PRDM8	cg19595012	-0.0903558095166331	124	-0.985546656229862	0.326372131475678	0.00816417231340609	0.525858386697492
THYM	PRDM8	cg20142271	-0.081363949173698	124	-0.886778872833034	0.377001740811095	0.00662009222514011	0.575557280574305
THYM	PRDM8	cg26162932	-0.0861250296098331	124	-0.939046472094603	0.349625094455967	0.00741752072529462	0.548676808350642
THYM	PRKAA1	cg00301775	-0.0260835816235262	124	-0.283436656528342	0.777338809453121	0.000680353230311154	0.876893004010848
THYM	PRKAA1	cg01883943	0.076499720446234	124	0.833441986933942	0.406279369960402	0.00585220722835195	0.602594800890362
THYM	PRKAA1	cg03125217	0.00433767489127384	124	0.0471196534763005	0.962497518950311	1.88154234623876e-05	0.980297321919408
THYM	PRKAA1	cg05874655	-0.0637252846935869	124	-0.693643624965149	0.489268916895223	0.0040609119092787	0.675256552964447
THYM	PRKAA1	cg06971720	-0.0797559311378881	124	-0.86913988592172	0.386535035058497	0.00636100855167155	0.584501147145522
THYM	PRKAA1	cg10786880	-0.0271019326933524	124	-0.294510526767772	0.76888529888903	0.000734514755715001	0.87185222756861
THYM	PRKAA1	cg24728477	0.0748901225949917	124	0.815805915609392	0.416254877535	0.00560853046229289	0.611849446253336
THYM	PRKCD	cg02121118	-0.182596679726773	124	-2.01742479163525	0.0459203257346362	0.0333415474472418	0.135587574304486
THYM	PRKCD	cg02559423	-0.187679944073326	124	-2.07560911703757	0.0401027097850008	0.0352237614073668	0.122708865835996
THYM	PRKCD	cg02630105	-0.147605546968206	124	-1.62116438882577	0.107651563157755	0.0217873974957833	0.251174065871705
THYM	PRKCD	cg10531918	-0.601486426959847	124	-8.17868807873899	3.73852709112942e-13	0.361785921816923	2.24582993457391e-11
THYM	PRKCD	cg13469346	-0.222885550193861	124	-2.48363355433028	0.0144092331112786	0.04967796848522	0.0566137313464043
THYM	PRKCD	cg13889007	-0.366615439333648	124	-4.28050349840855	3.81554184153349e-05	0.134406880357804	0.000420195727661745
THYM	PRKCD	cg13908523	-0.333039967725924	124	-3.83677091565128	0.000201787093438018	0.110915620102884	0.00174925620090452
THYM	PRKCD	cg14727059	-0.0194131386107675	124	-0.21092041190199	0.83331319009171	0.000376869950720871	0.910590604421767
THYM	PRKCD	cg21903826	-0.280981809256148	124	-3.18037102435364	0.00187936456374102	0.0789507771328586	0.0113003004229146
THYM	PRMT1	cg07702240	0.16285841644689	124	1.7930332094233	0.0755293526164409	0.0265228638075888	0.194857413856981
THYM	PRMT1	cg08377944	-0.132348221069978	124	-1.45042868444023	0.149591998229613	0.0175160516203877	0.315083742849318
THYM	PRMT1	cg11787855	-0.0303868761484262	124	-0.330238465489929	0.741805372540255	0.000923362242059792	0.854730836415021
THYM	PRMT1	cg14258555	0.00849100959077092	124	0.092239298492754	0.926664330336768	7.20972438705638e-05	0.961321948533324
THYM	PRMT1	cg14576628	0.125491845275424	124	1.37405273491965	0.172029704582554	0.015748203230631	0.34640158508814
THYM	PRMT1	cg18880319	-0.0431002015608788	124	-0.468623494926096	0.640203344027522	0.00185762737458838	0.788595351244408
THYM	PRMT1	cg22292364	0.0408667014880094	124	0.444297170225479	0.657641511709948	0.00167008729051007	0.800622271356687
THYM	PRMT1	cg24228123	-0.0514998864672397	124	-0.56017531444311	0.576421810437025	0.00265223830613858	0.743084186543232
THYM	PRMT1	cg25595446	-0.104979396730293	124	-1.14670437593477	0.253823713557047	0.0110206737378562	0.447865952334072
THYM	PRMT1	cg26846726	0.00389280257559715	124	0.0422869802820912	0.966341394701359	1.51539118925758e-05	0.982327546249707
THYM	PRMT2	cg04493422	0.039449649510408	124	0.428866730278834	0.668802138991108	0.00155627484649404	0.807902794170126
THYM	PRMT2	cg06725035	-0.0676199033075645	124	-0.736225272048779	0.463054690792071	0.00457245132332437	0.652351985068425
THYM	PRMT2	cg09031657	-0.103060836236337	124	-1.12552057701241	0.262652533192757	0.010621535965733	0.458103516965166
THYM	PRMT2	cg10187059	-0.137485144159814	124	-1.50778916565575	0.134281193614845	0.0189021648646448	0.292563467654546
THYM	PRMT2	cg10657630	-0.138728939420579	124	-1.52169622573666	0.130760505322433	0.0192457186327587	0.287306748885876
THYM	PRMT2	cg12162201	-0.182456317824207	124	-2.0158205735668	0.0460904299639883	0.033290307913968	0.135929900243328
THYM	PRMT2	cg13271076	-0.0701218533130285	124	-0.763597947540649	0.446630933532084	0.00491707431205389	0.638405270430775
THYM	PRMT2	cg17243659	0.0321291394265072	124	0.349192067771215	0.727567479489617	0.00103228160028794	0.845934658138924
THYM	PRMT2	cg23283320	0.0109715352341405	124	0.119188552752142	0.905328652523629	0.000120374585393987	0.949775266143983
THYM	PRMT3	cg01769160	-0.0621980802760808	124	-0.676954795952845	0.499759584368304	0.00386860119002979	0.683830618948572
THYM	PRMT3	cg04101203	0.0320990621049772	124	0.34886483834502	0.727812503602137	0.00103034978801918	0.846056261827686
THYM	PRMT3	cg06578097	-0.0990674513383127	124	-1.08146802130036	0.281694195995638	0.00981435991466895	0.478808737180664
THYM	PRMT3	cg13432154	-0.0252963495943932	124	-0.274876654460982	0.783891699456541	0.000639905302801758	0.880760144249143
THYM	PRMT3	cg13982511	-0.108462866406951	124	-1.1852003974734	0.238319622655	0.0117641933892121	0.429979051088248
THYM	PRMT3	cg19653624	-0.120235551996541	124	-1.31563683897602	0.190846423384146	0.0144565879639129	0.371186225829949
THYM	PRMT3	cg23019633	-0.135961122224323	124	-1.49075875344642	0.138693203662633	0.0184854267564973	0.299317532269839
THYM	PRMT3	cg23071995	-0.121469333780671	124	-1.32933821303557	0.186300793203637	0.01475479904912	0.365244348010519
THYM	PRMT6	cg00944433	0.060004278289518	124	0.652989913116945	0.515033023645558	0.00360051341304592	0.696444968563923
THYM	PRMT6	cg02990361	0.0366957312613622	124	0.398886329645481	0.690697892283914	0.00134657669280611	0.822238021974067
THYM	PRMT6	cg02993280	-0.0240304846424666	124	-0.261113282440783	0.79446032289917	0.000577464192151824	0.887456511295167
THYM	PRMT6	cg09367891	-0.00567675100273535	124	-0.0616662936675532	0.950932910935147	3.22255019470568e-05	0.974097688734974
THYM	PRMT6	cg14671364	0.0500008437576599	124	0.543828424014043	0.587585582350585	0.00250008437647792	0.751350024546853
THYM	PRMT6	cg14828511	0.0707227765552271	124	0.770174507132392	0.44273556473422	0.00500171112368058	0.63506601989405
THYM	PRMT6	cg22528358	0.132031429194593	124	1.44689523349454	0.150577565723103	0.0174322982951668	0.316458589471122

THYM	PRMT7	cg00894222	-0.199695992797941	124	-2.21384521945016	0.0287616202147067	0.0398784895395552	0.0956638369739147
THYM	PRMT7	cg02477175	-0.0789249738453517	124	-0.860027471287105	0.391517854605121	0.00622915149648945	0.588580500247592
THYM	PRMT7	cg06089844	-0.129697364223071	124	-1.42087524119312	0.157990216732161	0.0168214062864119	0.326984434406239
THYM	PRMT7	cg06092312	0.106704092275762	124	1.16575865676615	0.246062980482478	0.0113857633083944	0.439061963935362
THYM	PRMT7	cg06745885	-0.162139927808957	124	-1.78490875708855	0.0768454900349126	0.0262893561898939	0.197317161823811
THYM	PRMT7	cg09175928	-0.163813692064466	124	-1.8038397177116	0.0738076588999649	0.0268349257077916	0.191597471184726
THYM	PRMT7	cg09779635	0.0248355338854873	124	0.269866193056535	0.787734576713297	0.000616803743377189	0.883080181036348
THYM	PRMT7	cg10233539	0.295226621860919	124	3.35659462076054	0.0010623277553468	0.0871587582554103	0.00705986036216033
THYM	PRMT7	cg10446007	-0.0692835609074511	124	-0.754424991831588	0.452097029534887	0.00480021181201648	0.642617144447963
THYM	PRMT7	cg11893236	-0.0175815382993822	124	-0.191013915728022	0.848842957202708	0.000309110488972642	0.919381593725348
THYM	PRMT7	cg19328639	0.285220507903516	124	3.23256217883988	0.00159079626727068	0.0813507381287394	0.00986935060321392
THYM	PRMT7	cg21918026	0.0777077805410058	124	0.846682779921598	0.398885823050391	0.00603849915660912	0.595500272858472
THYM	PRMT7	cg26492318	-0.0147762357254301	124	-0.160528530798583	0.872739241427546	0.000218337142213476	0.932574070678172
THYM	PRMT7	cg26561196	0.028089025162829	124	0.305245356593174	0.760717070444142	0.000788993334598038	0.866859496396774
THYM	PRMT7	cg26796563	0.0187951682749407	124	0.204203858810939	0.838545975405755	0.000353258350483339	0.913638933241816
THYM	PRMT8	cg01693063	0.121875850635119	124	1.33385402401664	0.184820501637708	0.0148537229680338	0.36334502803578
THYM	PRMT8	cg06029846	-0.161391916465697	124	-1.776453568403	0.0782352522656425	0.0260473507004704	0.199675504882844
THYM	PRMT8	cg07912789	-0.234460387948377	124	-2.61992023840036	0.00995077513308525	0.0549716735169034	0.0424542393716811
THYM	PRMT8	cg10350722	0.510063611729024	124	6.44166115189321	2.67093697163865e-09	0.260164888010057	8.15154455753853e-08
THYM	PRMT8	cg11596580	-0.130110547397098	124	-1.42547961480708	0.156658506035049	0.0169287545439724	0.325166071172625
THYM	PRMT8	cg19656577	-0.185559712688259	124	-2.05131971699061	0.0424495051673475	0.0344324069729493	0.127867916246753
THYM	PRMT8	cg21667836	0.0133714468090834	124	0.145264078405643	0.884750215019118	0.000178795589768147	0.938891501980647
THYM	PRMT8	cg23739862	-0.227640440106107	124	-2.53948156168238	0.0124019628390125	0.0518201699717022	0.0504416948344297
THYM	PRMT8	cg24100636	-0.16740203184516	124	-1.8444795003395	0.0676213585263669	0.028023440265888	0.179792062790943
THYM	PRMT8	cg27316886	-0.117790710334013	124	-1.28850462914657	0.200091013633278	0.0138746514409914	0.383036427029977
THYM	PWWP2E	cg00259755	-0.155628594131251	124	-1.71141171080999	0.0896324381264386	0.0242202593112697	0.22022126430244
THYM	PWWP2E	cg05010219	-0.169831964203163	124	-1.87204244139152	0.0636764343563881	0.0288428960651044	0.171888147899679
THYM	PWWP2E	cg15012692	0.0903625888128592	124	0.985621209436702	0.326335686475572	0.00816539745696187	0.525849421966126
THYM	PWWP2E	cg15278699	-0.354807242967877	124	-4.1223986189287	7.0025245536761e-05	0.125888179662466	0.000710240410858772
THYM	PWWP2E	cg19919881	-0.0298392237538574	124	-0.324281336506075	0.746299171846869	0.00089037927423277	0.857558939670837
THYM	PWWP2E	cg22633292	-0.052626319904756	124	-0.572461435244483	0.568098515813032	0.00276952954671772	0.736700382383047
THYM	PWWP2E	cg22664157	-0.0335249882055941	124	-0.364379412951271	0.716226855623996	0.00112392483418522	0.838674496518738
THYM	PWWP2E	cg24520806	-0.102644760781514	124	-1.12092816096563	0.264594518786422	0.0105359469158942	0.460190614466474
THYM	PYGO1	cg06364757	0.340814641197951	124	3.93795817356272	0.000139501853779082	0.116154619654888	0.0012802179087991
THYM	PYGO1	cg09275667	0.202321942194991	124	2.24419081016367	0.0266847104478987	0.0409341682935531	0.0904596351937113
THYM	PYGO1	cg11480800	0.277793168356373	124	3.14124266647596	0.00212687463638546	0.0771690443854722	0.0124808090414853
THYM	PYGO1	cg12686317	0.135780849074629	124	1.48874497975925	0.139222297273622	0.0184364389754271	0.300089519854001
THYM	PYGO1	cg13878116	-0.00849444635832766	124	-0.0922766353837143	0.926634730163263	7.21556189345061e-05	0.961321948533324
THYM	PYGO1	cg17841803	0.189529499729813	124	2.09682219780116	0.0381451816861402	0.0359214312678334	0.11823516870235
THYM	PYGO1	cg19850348	0.0607703675022295	124	0.661357501174077	0.509672385721406	0.00369303756635603	0.692092455117765
THYM	PYGO1	cg22510134	-0.0027525670877434	124	-0.0299006453346704	0.976196804642056	7.57662557252817e-06	0.987422964433455
THYM	PYGO1	cg23030278	0.340471449926739	124	3.93347251076873	0.000141822765648107	0.115920808215216	0.00129830080381605
THYM	PYGO1	cg23412777	-0.0604591995548697	124	-0.657958637327206	0.511846271659211	0.00365531481081555	0.693812076065178
THYM	PYGO1	cg25902187	0.0453038973381593	124	0.492632101532101	0.623187967385783	0.00205244311402648	0.776728478832505
THYM	PYGO2	cg01277844	0.200520412042809	124	2.22336685819601	0.0280952582293413	0.040208435645818	0.094050626907069
THYM	PYGO2	cg02341811	-0.0926992214012195	124	-1.01132590431808	0.313929730537993	0.00859314564839231	0.513009526891438
THYM	PYGO2	cg04602755	-0.30456147451495	124	-3.47339618258201	0.000719332192032194	0.0927576917587205	0.00510069533743072
THYM	PYGO2	cg10892866	0.0100437154474413	124	0.109108179570787	0.91330201525161	0.000100876219989171	0.954195769198009
THYM	PYGO2	cg14024356	0.0858120056200148	124	0.935608114458521	0.351385793620703	0.00736370030852945	0.550335335083428
THYM	PYGO2	cg18188585	-0.00248959246579148	124	-0.0270439802788187	0.978470339431101	6.19807064572569e-06	0.98883804712013
THYM	PYGO2	cg24683561	-0.15717936517703	124	-1.72889498176121	0.0864432799874023	0.0247053528374542	0.21466366148498
THYM	PYGO2	cg27105205	-0.0250026516657922	124	-0.271683249045616	0.786340337588847	0.000625132590320942	0.882220078725993
THYM	RBBP4	cg05797186	-0.251145392429561	124	-2.8184710283634	0.00565999177916523	0.0630740081385983	0.0273860803873852
THYM	RBBP4	cg06526778	-0.0484036118152606	124	-0.526414842959672	0.599588087965086	0.00234290963676244	0.759779054521044
THYM	RBBP4	cg09036220	0.118759775003753	124	1.2992561821726	0.196388845053811	0.014103884158942	0.378445052063491
THYM	RBBP4	cg11229946	0.109577062770972	124	1.19752269830236	0.233502926747391	0.0120071326855136	0.424359358113034
THYM	RBBP4	cg13641837	0.0268390333026381	124	0.291651589521484	0.771065120871996	0.000720333708620115	0.873125535117432

THYM	RBBP4	cg16148416	0.0186259324720877	124	0.202364521625543	0.839980253262952	0.000346925360454772	0.914280051241579
THYM	RBBP4	cg16396527	0.0304194263468392	124	0.330592541973564	0.74153855138224	0.000925341499270778	0.854575285408716
THYM	RBBP4	cg18758482	-0.0489545935699139	124	-0.532421374504005	0.595435322073417	0.00239655223159545	0.756809715475271
THYM	RBBP4	cg20740619	0.0983586715133813	124	1.07365477828259	0.285168114230274	0.00967442826187724	0.482384228368303
THYM	RBBP4	cg22358606	0.0768165651274318	124	0.83691436417494	0.404332451419741	0.00590078467797697	0.600760890900098
THYM	RBBP4	cg22857567	0.0131299600638052	124	0.142640169848055	0.886817646015339	0.00017239585127712	0.93987266683967
THYM	RBBP4	cg23016766	-0.0896297539094999	124	-0.977562882339945	0.330290464967257	0.00803349278587752	0.530026330122175
THYM	RBBP4	cg26131911	-0.0723971274678024	124	-0.788503227039639	0.431983677794377	0.00524134406558923	0.625779778144606
THYM	RBBP5	cg00960017	-0.180101165634094	124	-1.98892209840915	0.0490236520872043	0.0324364298627593	0.142187234004622
THYM	RBBP5	cg02189925	0.258097434751524	124	2.90197800831671	0.00442569673532781	0.066614285825317	0.0225101439573777
THYM	RBBP5	cg03143531	-0.0923098241403665	124	-1.00704108675666	0.315975615413102	0.0085211036328254	0.515195485945819
THYM	RBBP5	cg05290904	-0.055849184061629	124	-0.607625799519562	0.544603287054115	0.00311913136034972	0.718742642228756
THYM	RBBP5	cg07601985	0.0881414699811818	124	0.961202472634714	0.338415885460955	0.00776891873044357	0.53780708733271
THYM	RBBP5	cg07972983	0.0173429188359118	124	0.188420658806841	0.85087056824256	0.00030077683749026	0.920495849101554
THYM	RBBP5	cg14717946	-0.0833130521769005	124	-0.908168715063706	0.365640131696511	0.00694106466303095	0.5645115584107
THYM	RBBP5	cg18131828	-0.0789989118330893	124	-0.860838214044536	0.391072933195944	0.00624082807081221	0.588269024651257
THYM	RBBP5	cg21214746	-0.119261467456221	124	-1.30482382368225	0.194491781044855	0.0142232976198113	0.375889238164649
THYM	RBBP5	cg23227967	0.138302304936028	124	1.51692513836054	0.131960083693559	0.0191275275506182	0.28907700920412
THYM	RBBP5	cg24103461	0.0316294918268408	124	0.343756220906982	0.731641393481667	0.00100042475322419	0.848352967216164
THYM	RBBP5	cg26795850	-0.0270704103173964	124	-0.294167728940426	0.769146570897056	0.000732807114752203	0.872014053898678
THYM	RBBP7	cg01947226	0.05972291308679	124	0.649917001096656	0.517009084278345	0.00356682634757228	0.698049302342143
THYM	RBBP7	cg03048084	-0.0413346361903061	124	-0.449393149555633	0.653972417763568	0.00170855214898496	0.798051742643382
THYM	RBBP7	cg03171708	0.0065005710506678	124	0.0706157684268508	0.943823099594256	4.22574239847802e-05	0.970012480447531
THYM	RBBP7	cg03811055	0.0357118493980148	124	0.388177588379106	0.698584038750234	0.00127533618742649	0.827115846747367
THYM	RBBP7	cg07096248	-0.0848103137910452	124	-0.924607075112775	0.357057299598079	0.00719278932533555	0.555916334406055
THYM	RBBP7	cg08363715	-0.116515565814462	124	-1.27436287193584	0.205038806047462	0.0135758770770642	0.389271497404731
THYM	RBBP7	cg14719055	0.314171140768715	124	3.59478939422699	0.000475014753179671	0.0987035056919158	0.00358978994646
THYM	RBBP7	cg15289846	0.223921854204404	124	2.49578927189138	0.0139491501627826	0.0501409967903383	0.0552103885913765
THYM	RBBP7	cg15464143	-0.0287172409060395	124	-0.312077792962051	0.755532177003346	0.000824679925255511	0.863627109302471
THYM	RBBP7	cg16978043	-0.0367587281007927	124	-0.399572037432171	0.690194067536753	0.00135120409158801	0.821973308022809
THYM	RBBP7	cg17878446	0.042369883013108	124	0.460668421939199	0.645884385189111	0.00179520698654446	0.792382751637907
THYM	RBBP7	cg17880859	-0.031750342088816	124	-0.345070970788221	0.730655341830254	0.00100808422275684	0.847734551265366
THYM	RBBP7	cg21122900	-0.0765945068790208	124	-0.834480747626981	0.40569635647071	0.00586671848404037	0.602039989227674
THYM	RING1	cg01241018	0.0871047292657782	124	0.949809628304092	0.344150281501092	0.00758723386046452	0.543434153353143
THYM	RING1	cg01878788	-0.158712605112231	124	-1.74619349967041	0.0833797692398531	0.025189691021511	0.209017683377216
THYM	RING1	cg02475416	-0.136458433409618	124	-1.49631484043852	0.13724154487428	0.0186209040486072	0.297190500819757
THYM	RING1	cg03037740	-0.116071081220971	124	-1.26943490219541	0.206783956148675	0.0134724958958053	0.391514580525458
THYM	RING1	cg06316695	0.0468788495308672	124	0.509795129885376	0.611147165484579	0.00219762653333769	0.76815766874618
THYM	RING1	cg06671577	-0.00953717525228436	124	-0.103604953213559	0.917658736574627	9.09577117927853e-05	0.956589266134514
THYM	RING1	cg07946923	-0.218827503686652	124	-2.43611796665686	0.016340373668197	0.0478854763697316	0.0622972577366327
THYM	RING1	cg08892712	-0.209681057999197	124	-2.32950457284629	0.0215326125560707	0.0439661460836625	0.0770583353976898
THYM	RING1	cg09478665	-0.132567477430904	124	-1.45287450314293	0.148912722854684	0.0175741360723933	0.314207501200393
THYM	RING1	cg09724776	0.144807263773737	124	1.58976584084942	0.11456333841531	0.0209691436416367	0.262250011361078
THYM	RING1	cg09832551	-0.166696947457158	124	-1.83648816368909	0.0688024835071982	0.0277878722915344	0.182011779574896
THYM	RING1	cg09869033	-0.00120021930150967	124	-0.0130377282042003	0.989619710346037	1.44052637171637e-06	0.994436321090902
THYM	RING1	cg10265934	0.0174144388512861	124	0.189197917128052	0.850262741459366	0.000303262680505184	0.920143968289642
THYM	RING1	cg12065531	-0.125760830857046	124	-1.37704522719981	0.171105035617397	0.0158157865778545	0.345182955780814
THYM	RING1	cg12115664	-0.158777404270332	124	-1.74692486955039	0.0832522337254196	0.0252102641068244	0.208805631441961
THYM	RING1	cg12256228	0.101869838801934	124	1.11237657396552	0.268237370009724	0.0103774640575321	0.463984923790111
THYM	RING1	cg14046664	-0.221998885917265	124	-2.47324012774283	0.0148133132087817	0.0492835053485068	0.0578043182064588
THYM	RING1	cg14363494	-0.260618771325353	124	-2.9323823815903	0.00404143153654798	0.0679221439671366	0.0209111489826547
THYM	RING1	cg18189601	0.00784917794574993	124	0.0852665237194809	0.932194007671496	6.16095944240471e-05	0.964018331757955
THYM	RING1	cg20505183	0.150552903009075	124	1.65427868226558	0.100728615922074	0.02266617660446	0.239474419260493
THYM	RING1	cg24536938	-0.0347538900319685	124	-0.377752078249008	0.70629339964111	0.00120783287235416	0.832514946240386
THYM	RING1	cg24550302	-0.149277908736654	124	-1.63994831631388	0.103679152893094	0.0222838940367889	0.244412606671677
THYM	RNF17	cg00202166	-0.849657814199994	124	-17.5024535499528	1.38233871106747e-34	0.721918401231111	4.6352438658958e-32
THYM	RNF17	cg01405147	-0.0985796317312263	124	-1.07609035834543	0.284082074861105	0.0097179437922642	0.481341866053792

THYM	RNF17	cg07131398	-0.543422737291924	116	-6.82024079580604	4.9931873165481e-10	0.295308271405847	1.73720936540046e-08
THYM	RNF17	cg12020676	-0.500194892924721	124	-6.27488932364874	5.99299099014039e-09	0.250194930907973	1.71215108735579e-07
THYM	RNF17	cg14855529	-0.531292379909059	124	-6.81231188625367	4.29167340998708e-10	0.282271592949432	1.51482051386813e-08
THYM	RNF17	cg15523998	-0.143806912813246	124	-1.57855075313441	0.117116196777626	0.0206804281728766	0.266269322620879
THYM	RNF17	cg17806989	-0.907758864737016	124	-23.5064714683128	2.44218175215267e-46	0.824026156508636	1.23368238459068e-43
THYM	RNF17	cg20477497	-0.560087905983468	124	-7.34411912548728	2.90813571954638e-11	0.313698462428947	1.26671618234262e-09
THYM	RNF17	cg21831927	-0.237456450282514	124	-2.65538615876111	0.00901615415717075	0.0563855657807722	0.0394046458709518
THYM	RNF17	cg23678722	-0.508481121687611	124	-6.41469181352663	3.04578044878331e-09	0.258553051112691	9.16609068598255e-08
THYM	RNF17	cg24753530	-0.383662952266819	124	-4.51301289799172	1.52150414755746e-05	0.147197260942091	0.000188778139800773
THYM	RNF20	cg04845236	-0.0905597976057963	124	-0.987790012451488	0.325276649230563	0.00820107694240278	0.524762316998173
THYM	RNF20	cg14625770	0.197886301622507	124	2.192961310271	0.0302715936052585	0.0391589883698338	0.0993523331615187
THYM	RNF20	cg21219529	0.00566179338125859	124	0.0615038044750773	0.951062036993018	3.20559042920635e-05	0.974102246315845
THYM	RNF217	cg00991794	0.023789188808365	124	0.258489889450792	0.796479184055583	0.000565925504160037	0.888556967748334
THYM	RNF217	cg02312409	-0.0366146343443246	124	-0.398003613204241	0.691346673739379	0.00134063144816859	0.82259066924966
THYM	RNF217	cg03113502	-0.00459260323872955	124	-0.049888966997427	0.960295217606056	2.10920045083891e-05	0.979174862435392
THYM	RNF217	cg06993703	-0.0284984742519833	124	-0.309698458498716	0.757336517809354	0.000812163034690956	0.864631994933965
THYM	RNF217	cg07439975	0.107623312035566	124	1.17591845044262	0.241994481875001	0.0115827772935048	0.434286252955867
THYM	RNF217	cg10621825	0.0164207749369366	124	0.17839932721919	0.85871530006177	0.000269641849529526	0.92492762967124
THYM	RNF217	cg16203203	-0.593401133195994	124	-8.00836266318122	9.1894868045001e-13	0.35212490487829	5.21054618417843e-11
THYM	RNF217	cg17382198	-0.00165603147433734	124	-0.0179891310593206	0.985677905948732	2.74244024399592e-06	0.99250487815281
THYM	RNF217	cg18192252	-0.183640693651571	124	-2.02936100171402	0.0446714011551072	0.0337239043648303	0.132879392632656
THYM	RNF217	cg19171596	-0.0437363788022898	124	-0.475553736563938	0.635271509859242	0.00191287083073738	0.785172251247019
THYM	RNF217	cg19478500	-0.362411977241766	124	-4.223954624904	4.7491171283978e-05	0.131342441248286	0.000507002631928885
THYM	RNF217	cg20034100	-0.169540250265972	124	-1.86873165826143	0.0641398743181442	0.0287438964602485	0.172849957003705
THYM	RNF217	cg23521835	-0.0804248786365091	124	-0.876476998416518	0.382551600945515	0.00646816110369722	0.580881738987366
THYM	RNF217	cg24822696	0.0949159807541954	124	1.03572747636052	0.302447188182658	0.00900904340253079	0.500778489645022
THYM	RPH3A	cg00851732	0.0387410856497448	124	0.421152075699327	0.674410157542664	0.00150087171732086	0.811724790207874
THYM	RPH3A	cg00854817	-0.0303525765661099	124	-0.329865360591951	0.742086566942083	0.000921278904201561	0.85492821118817
THYM	RPH3A	cg01119407	-0.0583925642420618	124	-0.635389774212148	0.526404495655216	0.00340969155876331	0.705117539387397
THYM	RPH3A	cg01573562	0.058154192691508	124	0.632787150693922	0.52809701252458	0.00338191012760104	0.70652242682607
THYM	RPH3A	cg05967001	-0.0299824434672253	124	-0.32583919097111	0.745123142865609	0.000898946916265363	0.856878396642726
THYM	RPH3A	cg08254200	-0.0446454405880424	124	-0.485457673212921	0.628251871079619	0.00199321536530042	0.780439225516861
THYM	RPH3A	cg09384610	-0.0442813951440519	124	-0.481491371172937	0.631059038765031	0.00196084195590366	0.78228916063772
THYM	RPH3A	cg11596863	-0.0277626304345591	124	-0.301695650701617	0.763415135878501	0.00077076364864591	0.868477795366277
THYM	RPH3A	cg16403344	-0.0122146603376236	124	-0.132695073306367	0.894660555298779	0.000149197927163514	0.944029938671375
THYM	RPH3A	cg17453780	-0.017587574480423	124	-0.191079515862299	0.848791678960326	0.000309322776104425	0.919346174356342
THYM	RPH3A	cg18629535	-0.00758719372853352	124	-0.082420392337317	0.934452067155429	5.75655086742984e-05	0.965158859701429
THYM	RPH3A	cg19712198	-0.018434624883432	124	-0.200285318458266	0.841602221682112	0.000339835394592849	0.915200358320588
THYM	RPH3A	cg20704159	-0.048498442575074	124	-0.527448606695076	0.598872423841777	0.00235209893220775	0.759267948832256
THYM	RPH3A	cg21900624	0.0424635345802683	124	0.461688490043314	0.645154733555136	0.00180315176904964	0.791972955730966
THYM	RPH3A	cg23199238	-0.0510234658078317	124	-0.554979595058131	0.579959121483183	0.00260339406304297	0.745889100262246
THYM	RPH3A	cg23549179	0.0453130479283431	124	0.492731809255659	0.623117717225308	0.00205327231255632	0.776728478832505
THYM	RPH3A	cg23596620	0.0214938137140313	124	0.233536531599925	0.815749464173679	0.000461984027973479	0.900838957070414
THYM	RTF1	cg04910470	-0.0536036803833089	124	-0.583123376289354	0.560923044594871	0.00287335455063593	0.73148013295136
THYM	RTF1	cg07091958	-0.0442598885190517	124	-0.481257060930704	0.631225042157133	0.00195893773171889	0.782406909151186
THYM	RTF1	cg07129439	0.0321149660225261	124	0.349037866593286	0.727682939330219	0.001031371042628	0.84597074638142
THYM	RTF1	cg15581235	0.0311848233271382	124	0.338918728625788	0.735273327462888	0.000972493205944826	0.850719889891695
THYM	RTF1	cg18782716	0.0267227779485708	124	0.290387373295203	0.772029618984582	0.000714106861288624	0.873589413516895
THYM	RTF1	cg22263512	0.044390311396026	124	0.482678001573812	0.630218628135834	0.00197049974583615	0.781766712103262
THYM	RTF1	cg24280607	0.132427113433895	124	1.45130870881651	0.149347314494249	0.0175369403724336	0.31479118754336
THYM	RTF1	cg27576415	0.166925738417362	124	1.839080933021	0.0684174029685281	0.0278642021461815	0.18131369260888
THYM	SATB1	cg01069104	-0.210411609610047	124	-2.33799611392497	0.0210712665441872	0.0442730454586908	0.0758145252658635
THYM	SATB1	cg01373248	-0.611224481288286	124	-8.38907860171189	1.22306051230962e-13	0.373595366526135	8.02249321202486e-12
THYM	SATB1	cg04004754	-0.124575090275906	124	-1.36385604963123	0.17520888333379	0.0155189531172501	0.350802737034648
THYM	SATB1	cg14415616	-0.230219734908199	124	-2.56985619696378	0.0114189610729105	0.0530011263412013	0.0473017389619807
THYM	SATB1	cg19818826	-0.419098467616402	124	-5.01417572410623	1.89649332318092e-06	0.175643525558416	3.01032037509767e-05
THYM	SATB1	cg26131754	-0.243158264919839	124	-2.72310440228368	0.00744901561655917	0.0591259417988265	0.0339915955463752

THYM	SATB1	cg26768584	-0.679586989861231	124	-10.063052483988	1.42088419607285e-17	0.461838476788649	1.4977813705866e-15
THYM	SCML2	cg00457389	-0.116784974714474	124	-1.27735016728541	0.203986202986407	0.0136387303190602	0.387964273405974
THYM	SCML2	cg04189389	-0.204596470459362	124	-2.27051612681675	0.0249904440133321	0.0418597157244284	0.0861696190571053
THYM	SCML2	cg05049545	-0.102278965915406	124	-1.11689120615362	0.266309876976541	0.0104609868687247	0.462116229805483
THYM	SCML2	cg06131666	-0.331704113120846	124	-3.81947433198161	0.000214790499007624	0.110027618661287	0.0018418664109126
THYM	SCML2	cg08300622	-0.0835602656961829	124	-0.910882429907604	0.364214321566576	0.00698231800321668	0.563226830436732
THYM	SCML2	cg17710066	-0.12956741655172	124	-1.41942730401205	0.158410789559703	0.016787715431887	0.327532464133092
THYM	SCML2	cg17727916	-0.105602945109647	124	-1.15359206518766	0.250998703931064	0.0111519820158311	0.444636073633455
THYM	SCML2	cg22823767	-0.11443486529378	124	-1.251300926708	0.213299785669647	0.0130953383948057	0.399697543692268
THYM	SCML2	cg26246138	-0.0992474047535794	124	-1.08345200407562	0.280816727518643	0.00985004735032082	0.478010439823785
THYM	SCML4	cg00977377	0.0433204027321121	124	0.471022206852179	0.638494488878126	0.00187665729287239	0.787391853079038
THYM	SCML4	cg03500965	-0.401704921313268	124	-4.76499162498049	5.42984041637956e-06	0.161366843807299	7.6481804336743e-05
THYM	SCML4	cg05603896	-0.421245584434077	124	-5.04538884036444	1.65868946011267e-06	0.177447842405207	2.677089763789e-05
THYM	SCML4	cg08792995	-0.394113300333838	124	-4.6581916260447	8.43872887199255e-06	0.15532529350003	0.000112662171592207
THYM	SCML4	cg17388996	-0.390310116252086	124	-4.60511495153366	1.04821467831818e-05	0.152341986848717	0.000136613859415454
THYM	SCML4	cg23503775	-0.386510659832137	124	-4.55236801007428	1.29830136731816e-05	0.149390490163874	0.000164414873138774
THYM	SCML4	cg27353361	-0.374485105595951	124	-4.3871926563056	2.5119384076125e-05	0.14023909431321	0.000292054605412953
THYM	SCML4	cg27659622	-0.407994061584895	124	-4.85435353831091	3.73724756470494e-06	0.166459154288539	5.50322614137149e-05
THYM	SETD1A	cg26692825	0.179856166579585	124	1.98612597422378	0.049337475629552	0.0323482406567035	0.142924148525367
THYM	SETD6	cg01152986	0.0153003510346718	124	0.166223812425675	0.86826530217484	0.000234100741784182	0.930050270115242
THYM	SETD6	cg01472538	0.124759869972736	124	1.36591099109036	0.174564635551126	0.0155650251556141	0.349938960962307
THYM	SETD6	cg01773760	-0.350819904666783	124	-4.06952673975562	8.5503783521925e-05	0.123074605510411	0.000840495493467858
THYM	SETD6	cg02549819	-0.287102667522033	124	-3.25580316674285	0.00147607928929791	0.0824279416982668	0.00927770156190046
THYM	SETD6	cg05502081	-0.0405241266451029	124	-0.44056659127679	0.66033283326518	0.00164220484034834	0.802379376324254
THYM	SETD6	cg09132913	0.00117203690200774	124	0.0127315883386031	0.989863437258854	1.3736704996679e-06	0.994542494163808
THYM	SETD6	cg19824325	-0.270371770392846	124	-3.0506059772774	0.00282093628047127	0.0731008942253617	0.0156784966066287
THYM	SETD6	cg26666090	-0.390335035318657	124	-4.60546180755737	1.04673556073328e-05	0.152361439797217	0.000136443944724673
THYM	SETD7	cg05316864	-0.439405958380456	124	-5.31362692084125	5.14373745157968e-07	0.193077596260247	9.46881001675791e-06
THYM	SETDB1	cg02060408	-0.316276120790241	124	-3.62154204645545	0.000432929121612279	0.100030584582123	0.00331848340592232
THYM	SETDB1	cg08531528	-0.114538163598944	124	-1.25244546204118	0.212884148853308	0.0131189909206185	0.399226417469669
THYM	SETDB1	cg10589385	-0.0637496941003332	124	-0.693910403006104	0.489102199873286	0.00406402349788605	0.675086344291232
THYM	SETDB1	cg10961700	-0.233796569791687	124	-2.61207302034081	0.0101690283640816	0.0546608360463592	0.043198241279712
THYM	SETDB1	cg12082615	0.0280883916400159	124	0.305238466621499	0.760722304541627	0.000788957744922915	0.866859496396774
THYM	SETDB1	cg15448220	-0.0585239363050853	124	-0.636824186683966	0.525472881224043	0.00342505112064168	0.704405868711049
THYM	SETDB1	cg16370685	-0.261373757461745	124	-2.94149911751605	0.00393233410915846	0.0683162410896713	0.0204945513058213
THYM	SETDB1	cg17899625	-0.0247833906529759	124	-0.269299249209106	0.788169737764203	0.000614216452258015	0.883341592027525
THYM	SETDB1	cg17918089	0.0871407474966034	124	0.950205383774682	0.343950037483439	0.00759350987426679	0.54326118061848
THYM	SETDB1	cg19689029	-0.160853138744209	124	-1.77036541233555	0.0792487287494889	0.0258737322438637	0.201618013092345
THYM	SETDB1	cg26820223	-0.289555184696013	124	-3.28614867881458	0.00133789656533172	0.0838422049843419	0.00854939423389321
THYM	SETMAR	cg00300090	-0.13885358048521	124	-1.5230902595997	0.130411629973931	0.0192803168135626	0.28681570742428
THYM	SETMAR	cg02520519	-0.0823789193997627	124	-0.897916062964536	0.37105875529316	0.0067862863614726	0.569790268831568
THYM	SETMAR	cg06021447	-0.198814750513162	124	-2.20367271649091	0.0294887192382736	0.039527305021611	0.0974530766534519
THYM	SETMAR	cg06267913	-0.27033743290892	124	-3.05018799847869	0.00282457429644442	0.073082327631785	0.0156908692386174
THYM	SETMAR	cg14751177	-0.0883844314550785	124	-0.963872853759932	0.337080833094512	0.00781180772363747	0.536659212670233
THYM	SETMAR	cg14961031	-0.0928279210189538	124	-1.01274218140113	0.31325544136266	0.00861702292070112	0.512328003308388
THYM	SETMAR	cg15232450	-0.0977766137371205	124	-1.06723969164525	0.288042233091025	0.00956026619389807	0.485556728880002
THYM	SETMAR	cg15384599	0.0131706235830617	124	0.143082003336388	0.886469461389439	0.000173465325566702	0.939767317316644
THYM	SETMAR	cg16423812	-0.0946898803350654	124	-1.03323790982155	0.303605564265552	0.00896617343786901	0.502066009108143
THYM	SETMAR	cg21901604	-0.0695488007674233	124	-0.757327185738164	0.450363504757915	0.00483703568818674	0.641186135052775
THYM	SETMAR	cg22149154	-0.19038511844547	124	-2.10664334895952	0.0372671196807427	0.0362464933254956	0.116249784761988
THYM	SETMAR	cg23182840	-0.0785041791860935	124	-0.85541365697416	0.39405575403126	0.00616290614968228	0.590793457525413
THYM	SETMAR	cg23549342	-0.0329161538653386	124	-0.357754815453609	0.721165926301007	0.00108347318528665	0.842027809867068
THYM	SETMAR	cg24390964	-0.250235978177171	124	-2.80758207209294	0.00584228719082793	0.0626180447742857	0.0280847117174361
THYM	SETMAR	cg26797270	-0.116322297592809	124	-1.27222002542301	0.205796318780228	0.0135308769172699	0.390100361188817
THYM	SETMAR	cg27265118	0.0211132882333942	124	0.229400151186653	0.818955068948101	0.000445770940026383	0.902635100078612
THYM	SFMBT2	cg09060610	-0.0706060104615879	124	-0.768896542454129	0.443490973526281	0.00498520871330186	0.635656098259503
THYM	SFMBT2	cg12328063	-0.00698867056706637	124	-0.0759182482991728	0.939612703389574	4.88415162949798e-05	0.967773814597199

THYM	SFMBT2	cg20299663	-0.0696494804129122	124	-0.758428841625245	0.449706468670899	0.00485105012178864	0.640893711392527
THYM	SFMBT2	cg25291138	-0.13185910442769	124	-1.44497333742239	0.151115731267213	0.0173868234204726	0.317305541492656
THYM	SHPRH	cg00571935	-0.0677050241495029	124	-0.737156307459353	0.46249051921637	0.00458397029508477	0.651946789133642
THYM	SHPRH	cg02758840	-0.0600568374403435	124	-0.653563951805344	0.514664324384745	0.00360682372333584	0.696188427250685
THYM	SHPRH	cg06708562	0.126505254618292	124	1.3853286291146	0.168565154865089	0.0160035794460388	0.341716160457973
THYM	SHPRH	cg11387577	-0.0893397971126023	124	-0.974374930621194	0.331863651234255	0.00798159934812094	0.531596847196904
THYM	SHPRH	cg11675148	0.0669743739953457	124	0.729165120668325	0.467345492545572	0.00448556677206843	0.656436173590511
THYM	SHPRH	cg12989205	0.034268111842609	124	0.372465734941224	0.710214249740467	0.00117430348925756	0.834964068010305
THYM	SHPRH	cg14102550	-0.100584098992752	124	-1.09819240541747	0.274356267848071	0.0101171609701837	0.470828013513817
THYM	SHPRH	cg15443174	-0.00414603364466173	124	-0.045037840483873	0.964153276071597	1.7189594982667e-05	0.981205881043324
THYM	SHPRH	cg16339435	-0.0059754470844457	124	-0.0649111288828014	0.948354600054009	3.57059678590106e-05	0.972570728562975
THYM	SHPRH	cg18099523	-0.0441558949523495	124	-0.480124081929508	0.632027997295227	0.00194974305904292	0.783029462695644
THYM	SHPRH	cg26814539	-0.0332524457370273	124	-0.361413886313154	0.718436377967228	0.00110572514749395	0.840135882564187
THYM	SHPRH	cg27398948	0.03451547776855	124	0.37515759117729	0.708216736988591	0.00119131820559127	0.833687901758625
THYM	SIN3A	cg01088093	0.0982467594053047	124	1.07242126493798	0.285719228367185	0.00965242573364383	0.482969919855651
THYM	SIN3A	cg01664094	-0.0601204860319877	124	-0.654259114063319	0.51421801472879	0.00361447284072243	0.695761844184492
THYM	SIN3A	cg02028562	0.0646760792582703	124	0.704036084889341	0.482797348198488	0.00418299522822206	0.669806628843193
THYM	SIN3A	cg07544511	0.113870404092535	124	1.24504747595818	0.215581196959237	0.0129664689281973	0.402704957579423
THYM	SIN3A	cg10483776	0.0603686764619126	124	0.656969896656606	0.51247958106669	0.00364437709776309	0.69434387351531
THYM	SIN3A	cg11184237	-0.0114025653635188	124	-0.123871617643003	0.901627682290992	0.000130018496869319	0.948060627034455
THYM	SIN3A	cg15851274	-0.0397120429018832	124	-0.431723763415365	0.666729992354552	0.00157704635144101	0.806624879867344
THYM	SIN3A	cg22059910	-0.0431287365118596	124	-0.468934330129564	0.639981794101701	0.00186008791310941	0.788485978188472
THYM	SIN3A	cg25697800	0.0284259194125091	124	0.30890935251947	0.757935223625734	0.000808032894446459	0.865022789114418
THYM	SIN3B	cg06815056	-0.149504705548401	124	-1.64249679710494	0.103149408792038	0.0223516569811139	0.243496825062696
THYM	SIRT1	cg02720207	0.00539528147651528	124	0.0586086113946895	0.953362988766477	2.91090622108289e-05	0.975375614264448
THYM	SIRT1	cg03211233	-0.0391121701164849	124	-0.425192264435709	0.671470911236543	0.00152976185122086	0.809713647531211
THYM	SIRT1	cg07832903	-0.135915995299718	124	-1.49025464085986	0.138825505470654	0.0184731577783131	0.299453524818635
THYM	SIRT1	cg10582690	-0.0427971753345111	124	-0.465322658687274	0.642558038688272	0.00183159821661289	0.79011038135721
THYM	SIRT1	cg10705386	0.0782039200357715	124	0.852121738881559	0.395872673746661	0.00611585310896134	0.592582620385756
THYM	SIRT1	cg19192316	0.0176062274973063	124	0.191282233640542	0.848633222841741	0.000309979246686904	0.919235479994854
THYM	SIRT1	cg19681528	-0.0047768756052782	124	-0.0518907431727972	0.958703491725735	2.28185405483019e-05	0.978308905821629
THYM	SIRT1	cg19980381	0.147342499743588	124	1.61821114702795	0.108287073997605	0.0217098122306892	0.252172802328015
THYM	SIRT1	cg25513531	-0.0929864152260227	124	-1.01448640390085	0.312426345207498	0.00864647341658631	0.511477411121279
THYM	SIRT4	cg04118464	-0.249657627588688	124	-2.80066126384868	0.00596092023840763	0.0623289310132122	0.0285228090187405
THYM	SIRT4	cg07106325	0.0523752901066768	124	0.569723240362474	0.569948469065813	0.00274317101375856	0.738078191575348
THYM	SIRT4	cg08264848	0.0590069564933109	124	0.642098426429546	0.522054755815479	0.00348182091460348	0.701937980467859
THYM	SIRT4	cg12124973	-0.0201085008834538	124	-0.218478406639473	0.827433788712354	0.000404351807779861	0.907292853529911
THYM	SIRT4	cg20010714	-0.358579198364812	124	-4.17265131974949	5.78283535933062e-05	0.128579041499951	0.000602316098465345
THYM	SIRT4	cg21068152	-0.130593220166852	124	-1.43085931386445	0.155113489348452	0.0170545891535479	0.322929290292866
THYM	SIRT4	cg21123573	-0.0996446085775256	122	-1.0785732393326	0.283015708519108	0.00992904801856828	0.480341304401245
THYM	SIRT5	cg01064902	0.0199141225906367	124	0.216365648940449	0.829076342483922	0.000396572278554906	0.908129382264569
THYM	SIRT5	cg02206980	0.0031241791748543	124	0.0339374382151322	0.97298437948538	9.76049551659327e-06	0.985795642494897
THYM	SIRT5	cg02712746	-0.13077556574564	124	-1.43289194199635	0.154532790486255	0.0171022485960922	0.322099614261653
THYM	SIRT5	cg06139021	0.0516229845363978	124	0.561517852058602	0.575509472409674	0.00266493253244517	0.742340495096778
THYM	SIRT5	cg07534331	0.00711216762903475	124	0.0772598698107658	0.938547664627043	5.05829283834898e-05	0.96716506617646
THYM	SIRT5	cg07909422	-0.0500782642796308	124	-0.544672594815784	0.587006599663925	0.00250783255326055	0.750942944767482
THYM	SIRT5	cg08619119	0.00539517409280343	124	0.0586074448580654	0.953363915950941	2.91079034916573e-05	0.975375614264448
THYM	SIRT5	cg10907941	-0.0787367370614354	124	-0.857963486996414	0.392651936569831	0.00619947376308162	0.589508351735245
THYM	SIRT5	cg11824369	-0.133888917405323	124	-1.46761986140618	0.144867924500894	0.0179262422039694	0.308467368786713
THYM	SIRT5	cg19366958	0.192580089606232	124	2.13186099436231	0.0350919399353624	0.0370870909127445	0.11107260050987
THYM	SIRT5	cg20150972	-0.194543107070662	124	-2.15444190075226	0.0332382197148306	0.0378470205087069	0.106562294024131
THYM	SIRT7	cg11691214	-0.00370935267268789	124	-0.0402941610584786	0.96792670557029	1.37592972503768e-05	0.983189620932403
THYM	SIRT7	cg12710567	0.0662257616741981	124	0.720978702071387	0.47234861258908	0.00438585150932768	0.660422141764106
THYM	SIRT7	cg17552093	-0.0791621948102609	124	-0.86262869064957	0.390091453259424	0.00626665308717769	0.587569209163252
THYM	SIRT7	cg20397086	0.0320891706891669	124	0.348757223839522	0.727893089765842	0.00102971487551849	0.846097610689383
THYM	SMARCA	cg03460558	-0.195561618795481	124	-2.16616858575419	0.0323094678619872	0.0382443467459092	0.104324191377389
THYM	SMARCA	cg06675660	-0.134967504607075	124	-1.47966123884457	0.141628518277228	0.0182162272998608	0.303748319737079

THYM	SMARCA	cg08617833	-0.480809348466585	124	-5.95663379367249	2.72603174265737e-08	0.231177629572862	6.79708055731691e-07
THYM	SMARCA	cg12935118	-0.107132163755839	124	-1.17048959357918	0.244162469998139	0.0114773005110078	0.43689749398914
THYM	SMARCA	cg17420696	-0.134951878625145	124	-1.47948675181571	0.14167505348591	0.0182120095444559	0.303797489205405
THYM	SMARCA	cg18959966	-0.313600079343752	124	-3.58754181898832	0.000487064817495109	0.0983450097644075	0.00366589787269877
THYM	SMARCA	cg24447042	-0.752703804896609	124	-12.4194434157289	3.66741433553377e-23	0.566563017905832	6.38261366484372e-21
THYM	SMARCA	cg26010110	-0.375528571728103	124	-4.40142083468078	2.37455526888169e-05	0.141021708184149	0.000278243941237208
THYM	SMARCA	cg27353825	-0.132338182032814	124	-1.45031670353107	0.149623155828388	0.0175133944237501	0.315083742849318
THYM	SMARCA	cg04518912	0.0277584930632623	124	0.301650655342002	0.763449354778153	0.00077053393714318	0.868504022952908
THYM	SMARCA	cg13529335	-0.0188022942684805	124	-0.204281307965819	0.838485594004852	0.000353526269758534	0.913586300928773
THYM	SMARCA	cg14290704	-0.124406717031398	124	-1.36198369041785	0.175797452395623	0.0154770312425303	0.351594904791246
THYM	SMARCA	cg21210735	0.318283317563729	124	3.64710730085206	0.000396025545687905	0.101304270239373	0.003079917154978
THYM	SMARCA	cg08405378	-0.0744314842279666	124	-0.810781878412665	0.419123203592859	0.00554004584437804	0.614498124770126
THYM	SMARCA	cg17218495	-0.200986835405295	124	-2.22875599789005	0.0277241087927852	0.0403957080062353	0.0931033075581303
THYM	SMARCA	cg17747332	0.12796223374423	124	1.40154771816927	0.163675142567569	0.0163743331701703	0.334850186578776
THYM	SMARCA	cg18522266	-0.0277685562701321	124	-0.301760096262656	0.763366125946855	0.000771092717327491	0.868443736611662
THYM	SMARCA	cg23892580	-0.0448613423458178	124	-0.487810030273425	0.626589545376436	0.00201254003706866	0.779195420138343
THYM	SMARCA	cg01278696	0.0587452811742005	124	0.639241060587734	0.523905117343474	0.00345100806023587	0.703113457865269
THYM	SMARCA	cg01575392	-0.0809991806124342	124	-0.882776975774479	0.379151657162165	0.00656086725988574	0.577707579536016
THYM	SMARCA	cg02782292	0.0282625743330407	124	0.307132830323872	0.75928363379285	0.000798773107930654	0.865993886454389
THYM	SMARCA	cg05358385	-0.0128915360924236	124	-0.140049564787764	0.888859602129109	0.00016619170282226	0.941044418726618
THYM	SMARCA	cg10878459	-0.117254006113758	124	-1.2825516257115	0.202162930772148	0.0137485019497253	0.385656580476501
THYM	SMARCA	cg12253543	-0.117365007503784	124	-1.28378273471343	0.201733154832279	0.0137745449863633	0.385100830561011
THYM	SMARCA	cg13848802	-0.0443134201037906	124	-0.481840277745187	0.630811881454377	0.00196367920129503	0.782183004285402
THYM	SMARCA	cg13898584	-0.0329338852866814	124	-0.357947741620841	0.721021919400801	0.00108464080007629	0.841919145007969
THYM	SMARCA	cg16091845	0.128645744377881	124	1.40915973550664	0.161417807949591	0.016549727546539	0.331681719326217
THYM	SMARCA	cg16587443	-0.0606460331667806	124	-0.659999383515218	0.510540439311467	0.00367794133886625	0.692838777772285
THYM	SMARCA	cg19993723	0.0366908727269105	124	0.398833445683859	0.690736754615978	0.00134622014146235	0.822242243368151
THYM	SMARCA	cg20045045	0.0499357675635829	124	0.543118859768105	0.588072450722353	0.00249358088216418	0.751736783906213
THYM	SMARCA	cg22077701	-0.0117661163804966	124	-0.127821587687326	0.898507747430331	0.000138441494679389	0.946352852298873
THYM	SMARCA	cg24607315	-0.0174142428213338	124	-0.189195786728689	0.850264407338217	0.000303255853040376	0.920143968289642
THYM	SMARCB	cg01745726	-0.00188397853934033	124	-0.0204652816424991	0.983706772893619	3.54937513669492e-06	0.99146197920873
THYM	SMARCB	cg01912455	-0.381339551465152	124	-4.48101559646627	1.7298691436721e-05	0.145419853511644	0.000211062484571561
THYM	SMARCB	cg03979008	-0.142554481500345	124	-1.56451651537104	0.120374254430498	0.0203217801958321	0.271304447097796
THYM	SMARCB	cg10122452	-0.322353080006927	124	-3.69911112264789	0.000329943625204155	0.103911508189952	0.00264560238910864
THYM	SMARCB	cg16142952	-0.0805066114531191	124	-0.877373537231855	0.382066609034173	0.00648131448766348	0.580506040569606
THYM	SMARCB	cg19906397	0.477677077888308	124	5.90630804888553	3.45184371149845e-08	0.228175390739912	8.36550559789128e-07
THYM	SMARCC	cg02564102	-0.0847632974112243	124	-0.924090789301544	0.357324893874217	0.00718481658802367	0.556221642269306
THYM	SMARCC	cg02627110	-0.0783808441728005	124	-0.854061434212569	0.394801471593098	0.00614355673324083	0.591497891182104
THYM	SMARCC	cg05592996	-0.187862238450761	124	-2.07769888221978	0.0399061097012392	0.0352922206357307	0.122275627165237
THYM	SMARCC	cg07143957	-0.0557301253289673	124	-0.606326428953409	0.545462694841646	0.00310584686918241	0.719317474192648
THYM	SMARCC	cg07304068	-0.145573950628593	124	-1.59836465302134	0.112636210859577	0.0211917751016161	0.25936601313077
THYM	SMARCC	cg07474652	-0.149089309198661	124	-1.6378292540194	0.104121300646472	0.022227622117334	0.245194867942839
THYM	SMARCC	cg12894336	-0.253010847174046	124	-2.8408321968646	0.00530182708439891	0.0640144887877284	0.02598767161513
THYM	SMARCC	cg16250355	-0.00831046152634801	124	-0.0902778368590267	0.928219493691852	6.90637707809106e-05	0.962135366888748
THYM	SMARCC	cg20685352	-0.00692521622135365	124	-0.0752289076255789	0.94015997530945	4.79586197124998e-05	0.968187301358494
THYM	SMARCC	cg22984439	-0.00517055635114547	124	-0.0561673694724585	0.955303470097073	2.67346529803708e-05	0.976175096358221
THYM	SMARCD	cg02553054	0.213821953496847	124	2.37769063102553	0.0190284136896729	0.0457198277972078	0.0700102352712077
THYM	SMARCD	cg04550398	-0.0230730552797526	124	-0.250704276850741	0.802478764980213	0.000532365879942518	0.892293174660554
THYM	SMARCD	cg09878554	-0.0491016816525839	124	-0.534024938457547	0.594328909592054	0.00241097514111169	0.756003724867728
THYM	SMARCD	cg13349421	-0.140527724098481	124	-1.54182171155447	0.125794461655048	0.0197480412402988	0.279628746565798
THYM	SMARCD	cg17846064	-0.0674763718967327	124	-0.734655389626986	0.464006858381284	0.00455306076434618	0.653229486998341
THYM	SMARCD	cg18591973	-0.127293251037039	124	-1.39409946749213	0.165907157790314	0.0162035717595786	0.338125315897925
THYM	SMARCD	cg20405918	0.0833483196471371	124	0.908555843171417	0.365436515607208	0.00694694238800134	0.564331592328631
THYM	SMARCD	cg22402853	-0.132334201927018	124	-1.45027230738075	0.149635510013392	0.0175123409996609	0.315091621534804
THYM	SMARCD	cg25107077	0.0068788855623817	124	0.0747256244056968	0.940559553130801	4.73191077691445e-05	0.968318554824381
THYM	SMARCD	cg00945038	-0.0224189692645748	124	-0.243593565957327	0.807968599493497	0.000502610182885951	0.89602288313443
THYM	SMARCD	cg02127607	-0.0134415792802586	124	-0.146026117483735	0.884149937143944	0.000180676053547476	0.938575945310668

THYM	SMARCD	cg02360836	-0.0119710698158417	124	-0.130048422381127	0.896749550148975	0.000143306512535755	0.945263000634545
THYM	SMARCD	cg04367190	0.0524677999832231	124	0.570732311405575	0.569266391584866	0.0027528700350795	0.73752762155225
THYM	SMARCD	cg06420487	0.00365533186237459	124	0.0397073329181434	0.968393558933323	1.33614510240909e-05	0.983398495224444
THYM	SMARCD	cg07362569	-0.0166998173654184	124	-0.181431751244993	0.856339979880142	0.000278883900038329	0.923577230998472
THYM	SMARCD	cg11697258	-0.183842703520284	124	-2.03167139948291	0.0444330385374508	0.0337981396376469	0.132331968313643
THYM	SMARCD	cg12577610	-0.191184293568802	124	-2.11582111553228	0.0364623850757051	0.0365514341074019	0.114385789520585
THYM	SMARCD	cg15868002	0.10196243743456	124	1.11339833049993	0.26780029012017	0.0103963386475965	0.463527773269741
THYM	SMARCD	cg19016967	0.117483809993238	124	1.28510041924147	0.201273903577652	0.0138024456105272	0.384526081898818
THYM	SMARCD	cg19143629	0.0757994320653061	124	0.825768257192861	0.410601989509661	0.00574555390142296	0.606473849359483
THYM	SMARCD	cg21254277	-0.107655847078901	124	-1.17627810390444	0.241851341960885	0.0115897814102757	0.434188309769584
THYM	SMARCD	cg23682543	-0.00663350116232008	124	-0.0720598524688563	0.942676272442429	4.40033376705018e-05	0.969539347239517
THYM	SMARCD	cg24795630	-0.0818890061889837	124	-0.892539934029685	0.373920158253497	0.00670580933461941	0.572579272703828
THYM	SMARCD	cg25945412	0.00986360786099829	124	0.107151419593613	0.914850821737041	9.72907600355472e-05	0.955003345641665
THYM	SMARCD	cg00864064	-0.120711969791551	124	-1.3209268095365	0.189081695494202	0.0145713796509562	0.368842061666899
THYM	SMARCD	cg02917064	-0.146546637822826	124	-1.60927810769887	0.110227701925191	0.0214759170571746	0.255407572632641
THYM	SMARCD	cg14795305	-0.0629125828956538	124	-0.684762063457155	0.494836903419678	0.00395799308660251	0.679906811047169
THYM	SMARCD	cg19786287	-0.120725046169611	124	-1.32107201794251	0.189033426524233	0.0145745367726547	0.368794141267115
THYM	SMARCD	cg19902439	0.0410869706160007	124	0.446695944566564	0.655913351702932	0.0016881391544001	0.799394076269805
THYM	SMARCD	cg22750243	-0.00788120969264796	124	-0.0856145098446267	0.93191796049715	6.21134662194882e-05	0.96387191143941
THYM	SMARCD	cg22787816	-0.120977172086072	124	-1.32387192077315	0.188104504342517	0.0146354761659431	0.367571822130108
THYM	SMNDC1	cg03999743	0.0436539529244719	124	0.474655791948778	0.635909605634016	0.00190566760593201	0.785648861478117
THYM	SMNDC1	cg08770590	0.0798179548051723	124	0.869820120572546	0.386164650183885	0.00637090590928052	0.584176816653479
THYM	SMNDC1	cg11559952	-0.151723297349698	124	-1.66744082503879	0.0980786681855962	0.0230199589586648	0.234779753809914
THYM	SMNDC1	cg12486840	0.116745945513349	124	1.27691738085131	0.204138452407955	0.0136296157938057	0.388177917103578
THYM	SMNDC1	cg17981675	-0.00453443971517956	124	-0.0492571296706356	0.96079766092471	2.05611435305977e-05	0.979446254581257
THYM	SMNDC1	cg18209001	-0.1603310332296	124	-1.76446720133478	0.0802408733060986	0.025706040216471	0.203485199707174
THYM	SMNDC1	cg21872391	-0.011108492486907	124	-0.120676561362812	0.904152467412356	0.000123398605331669	0.949277114147549
THYM	SMNDC1	cg23721301	0.118607681850143	124	1.2975684947826	0.1969665938087	0.0140677821938648	0.379174462368018
THYM	SMNDC1	cg26944434	-0.107360048261798	124	-1.17300838341824	0.24315489158952	0.0115261799627756	0.435741900355098
THYM	SMYD1	cg00578637	-0.215629389904451	124	-2.39876501292479	0.0180167555490252	0.0464960337905656	0.0671809174702039
THYM	SMYD1	cg00666842	0.0403938982238624	124	0.439148467888806	0.661357069461626	0.00163166701371975	0.802996813923364
THYM	SMYD1	cg03704645	0.100874267048966	124	1.10139302558728	0.272967187144775	0.0101756177526661	0.469265653600739
THYM	SMYD1	cg14559139	0.0963596099235283	124	1.05162694673633	0.295119574293749	0.00928517442461454	0.493015363313681
THYM	SMYD1	cg16090764	-0.0077698407329523	124	-0.0844046221435568	0.932877764375273	6.03704250154448e-05	0.964334497299879
THYM	SMYD1	cg18148488	-0.0304392835827718	124	-0.330808546712183	0.741375792300076	0.000926549985032403	0.854461819418234
THYM	SMYD1	cg19074493	-0.0107303119582322	124	-0.116567734378404	0.907400768457525	0.00011513959472098	0.9509449957766
THYM	SMYD2	cg01770831	-0.0770822842233599	124	-0.839826640400805	0.402703941448664	0.00594167854109084	0.599222478932258
THYM	SMYD2	cg04406444	-0.184182989332074	124	-2.03556386925721	0.0440339123316756	0.0339233735592988	0.131469687439759
THYM	SMYD2	cg11523160	-0.133494561738203	124	-1.46321859210446	0.146066211351842	0.0178207980136748	0.310093735561216
THYM	SMYD2	cg14013804	-0.0685234583051868	124	-0.746109011255273	0.457085389665312	0.00469546433810267	0.647330301717123
THYM	SMYD2	cg27570636	0.0351292435427546	124	0.381836939723034	0.703269072815282	0.00123406375188616	0.830463641685394
THYM	SMYD5	cg01329511	0.0249101678248177	124	0.270677678089184	0.787111833434541	0.00062051646106058	0.882733547222839
THYM	SMYD5	cg05103132	0.0795320952635267	124	0.866685086201328	0.387873488081507	0.00632535417700668	0.585759519573947
THYM	SMYD5	cg06754047	0.148616540229944	124	1.63251813037143	0.105236147760205	0.0220868760299185	0.247057394418849
THYM	SMYD5	cg08834152	0.0718143265104067	124	0.782122691766161	0.435709098454643	0.00515729749214331	0.628859992674963
THYM	SMYD5	cg15623359	0.0622915937777444	124	0.677976544866431	0.499113851855724	0.00388024265537153	0.683352041380925
THYM	SMYD5	cg17895873	-0.197391631881893	124	-2.18725687383777	0.0306958530962681	0.0389634563369969	0.100384782065373
THYM	SMYD5	cg20402064	-0.0738599502955326	124	-0.804521879174849	0.422713592602622	0.00545529225765855	0.617799487120055
THYM	SMYD5	cg25886337	-0.0693716368417075	124	-0.755388680707878	0.451520980230019	0.00481242399809774	0.642124128906165
THYM	SMYD5	cg26467949	0.379843865168963	124	4.4604700182896	1.87790059241164e-05	0.144281361906497	0.000226846892369676
THYM	SP100	cg05876232	-0.164632998081924	124	-1.81311222922611	0.0723563844943351	0.0271040240574429	0.18884465311344
THYM	SP100	cg09456094	-0.174801475719731	124	-1.92852216806431	0.0561923654835191	0.0305555559137957	0.1569858823682
THYM	SP100	cg11702456	0.119916592530588	124	1.31209574433372	0.192034570295755	0.014379989164147	0.372537776154907
THYM	SP100	cg11827097	-0.0183248630598852	124	-0.1990923954311	0.842533118538476	0.000335800606163546	0.915790214242951
THYM	SP100	cg23539753	-0.405271155946667	124	-4.81556369552115	4.3974066613889e-06	0.164244709842348	6.35584261481716e-05
THYM	SP100	cg27140170	-0.179242474762369	124	-1.97912371014843	0.0501308742424916	0.0321278647589386	0.144533264422881
THYM	SP140L	cg04002454	-0.260560576154024	124	-2.93167989333138	0.0040499524244952	0.0678918138457169	0.0209468784596223

THYM	SP140L	cg05217331	-0.112211094130755	124	-1.22667166192095	0.222388039889937	0.0125913296460213	0.410976225180486
THYM	SP140L	cg13278004	-0.284744956939491	124	-3.22669651247869	0.00162103505513865	0.0810796905024724	0.0100235912152815
THYM	SP140L	cg24044052	-0.352690350515454	124	-4.09429701537878	7.78832507616835e-05	0.124390483346714	0.000776676017145803
THYM	SP140L	cg25095994	-0.31025790559987	124	-3.54521109681807	0.000563415205304455	0.0962599679872175	0.00414588748405739
THYM	SP140L	cg26847438	-0.26872474567163	124	-3.03057139794561	0.00300027450900317	0.0722129889362824	0.0164658451607331
THYM	SSRP1	cg01511567	0.447893805744443	124	5.44172254812964	2.9060552360966e-07	0.200608861224241	5.65608358861393e-06
THYM	SSRP1	cg01766191	-0.120524313207425	124	-1.31884302847734	0.189775382514982	0.0145261100741216	0.36978724845633
THYM	SSRP1	cg02688348	-0.118265101091864	124	-1.29376741870893	0.198272436339234	0.0139866341362688	0.380849528705541
THYM	SSRP1	cg04937561	-0.20375550231434	124	-2.26077834375634	0.0256058372949228	0.0415163047233689	0.0877369849595323
THYM	SSRP1	cg08821673	-0.170381724627404	124	-1.87828327986463	0.0628104645556667	0.0290299320870084	0.170212048616837
THYM	SSRP1	cg09381635	-0.0167073380734105	124	-0.181513481247837	0.856275978297453	0.000279135145499233	0.923527755211802
THYM	SSRP1	cg11948159	0.0135426266828049	124	0.147124073027102	0.883285167699286	0.00018340273746982	0.938041933760294
THYM	SSRP1	cg12795368	0.0469857962697411	124	0.510960717775181	0.610333239814098	0.00220766505110162	0.76760140775888
THYM	SSRP1	cg12911972	-0.110861708242373	124	-1.21173573153103	0.228034443055873	0.0122903183544171	0.41786708743996
THYM	SSRP1	cg16313264	0.129188667403916	124	1.41520752951988	0.159641376670052	0.0166897117855996	0.329280060504634
THYM	SSRP1	cg22636253	-0.117455155704198	124	-1.28478259828109	0.201384602656737	0.0137957136014975	0.384652551721825
THYM	SSRP1	cg26706201	-0.0182078709161451	124	-0.197820899133871	0.8435255753964	0.000331526563299002	0.916394556290143
THYM	STK31	cg00755064	-0.235862975885404	124	-2.6365134739103	0.00950312796429849	0.0556313433935186	0.0409282144081623
THYM	STK31	cg05000488	0.0333128535291708	124	0.362071174748836	0.717946446164607	0.00110974621025599	0.839813161017137
THYM	STK31	cg05407490	0.0215343676308448	124	0.233977365925283	0.815408010220477	0.000463728989260375	0.900665210096433
THYM	STK31	cg11755819	0.0277237472309629	124	0.301272782877799	0.763736744651465	0.000768606160526322	0.868742032042463
THYM	STK31	cg13313214	-0.0352512524218712	124	-0.383164761102076	0.702287008219649	0.00124265079731048	0.82963138380088
THYM	STK31	cg13514718	0.0419128261066608	124	0.455690257814797	0.649450193465108	0.00175668499224719	0.794979440001646
THYM	STK31	cg13802883	-0.135033046411621	124	-1.48039312156605	0.141433456732738	0.0182339236232031	0.303485134272298
THYM	STK31	cg14898779	-0.0457210945033024	124	-0.497178140452188	0.619988545018842	0.00209041848257991	0.774676981548278
THYM	STK31	cg17102984	0.0724699666155818	124	0.789300730771158	0.431519354570785	0.00525189606126354	0.625402169222148
THYM	STK31	cg17331904	0.0139139591552019	124	0.15115891682633	0.880108470110076	0.000193598259372626	0.936379850979134
THYM	STK31	cg21519371	0.0571184918946686	124	0.621480264228674	0.535482476161634	0.00326252211632132	0.71187196675413
THYM	STK31	cg25570411	-0.0562457372877934	124	-0.611953847894012	0.541745625531154	0.00316358296304747	0.716573591195474
THYM	STK31	cg25612145	-0.0110015216328854	124	-0.119514347404668	0.905071112536744	0.000121033478238845	0.949667578244084
THYM	SUV39H	cg05903800	0.527251928026315	124	6.74045100090682	6.13763865437975e-10	0.277994595607467	2.10525335749038e-08
THYM	SUZ12	cg00160853	0.178382496465028	124	1.96931531516976	0.0512604169073731	0.0318203150450958	0.146921850743946
THYM	SUZ12	cg01109633	0.00115593598618494	124	0.0125566872688563	0.990002681554233	1.33618800415735e-06	0.994592368632072
THYM	SUZ12	cg07482957	-0.0397088601945822	124	-0.431689108424691	0.666755111516538	0.00157679357795287	0.806631063956908
THYM	SUZ12	cg08177746	0.175223681666505	124	1.93332757971788	0.0555913340491853	0.0307033386167648	0.155726197869084
THYM	SUZ12	cg17335595	-0.130403456557876	124	-1.42874415291345	0.155719547023612	0.017005061482242	0.323844372474533
THYM	SUZ12	cg25098644	0.082043762233805	124	0.894238099863274	0.373014832273654	0.00673117892147712	0.571586744837233
THYM	TAF3	cg00194465	0.196194329165656	124	2.17345699491952	0.0317436444980838	0.0384922147967618	0.102932978203657
THYM	TAF3	cg02334915	0.0448426034945708	124	0.487605858457114	0.626733750279585	0.0020108590881713	0.77931245894938
THYM	TAF3	cg03672997	0.0549025881389499	124	0.597295655162635	0.551454439969786	0.00301429418435516	0.72387700295305
THYM	TAF3	cg04179819	0.139210805940304	124	1.52708601635259	0.129415691347674	0.019379648490549	0.285238108927383
THYM	TAF3	cg04234156	0.0909372950868162	124	0.99194186670251	0.323255601715461	0.00826959163770668	0.522672589110066
THYM	TAF3	cg05976695	0.0918528884116051	124	1.00201368905251	0.318387340760729	0.00843695310955477	0.517727990366844
THYM	TAF3	cg07855525	0.13949933455024	124	1.53031380608887	0.128615543770525	0.0194600643399597	0.283957248611767
THYM	TAF3	cg09871669	0.123528700727799	124	1.35222182747155	0.178890266894858	0.015259339903498	0.355595600542175
THYM	TAF3	cg09994553	0.0528436160272048	121	0.567477528928441	0.571495946550221	0.00279244775483066	0.739331420925399
THYM	TAF3	cg11104088	0.0441200923729221	124	0.479734027088119	0.63230453540644	0.00194658255099518	0.783234861828393
THYM	TAF3	cg12176426	0.10117006552173	124	1.10465604281913	0.271556048842472	0.0102353821576712	0.467870529501213
THYM	TAF3	cg12590721	-0.0395093958778837	124	-0.42951726227204	0.668330096266883	0.00156099236263534	0.80769401607845
THYM	TAF3	cg12777293	0.0676438290338186	124	0.736486965411805	0.462896075454033	0.00457568760635648	0.652223018435684
THYM	TAF3	cg27268107	0.0322844394779244	124	0.350881686367797	0.726302769658129	0.00104228503240377	0.844966897382907
THYM	TCEA1	cg01677098	0.0510871464228734	124	0.555674057154469	0.579485726655003	0.00260989652963211	0.745502110458067
THYM	TCEA1	cg06047473	-0.0107161333527912	124	-0.1164136887306	0.907522582647479	0.000114835514034804	0.950967292490275
THYM	TCEA1	cg11530293	0.0373397258727347	124	0.405896305959117	0.685553881345853	0.00139425512825097	0.819030325041761
THYM	TCEA1	cg11787876	0.119970085947135	124	1.31268960055728	0.191834929608236	0.0143928215221629	0.37231760382065
THYM	TCEA1	cg12850379	0.0341008743849548	124	0.370645882110282	0.711565829906783	0.00116286963381847	0.835782585030926
THYM	TCEA1	cg23569945	-0.099652962276869	124	-1.08792366153501	0.278845917484752	0.00993071289055508	0.475786618665339

THYM	TCEA1	cg26181865	-0.114603293325046	124	-1.25316711432938	0.212622386186117	0.0131339148409464	0.398898999444432
THYM	TCEA1	cg26358945	-0.0177776681080917	124	-0.193145430085932	0.847177130009828	0.000316045483361459	0.918399933835712
THYM	TDRD1	cg00337703	-0.107515423110768	124	-1.17472583682955	0.242469566862578	0.0115595662066874	0.434874408864723
THYM	TDRD1	cg02635786	-0.299779597226469	124	-3.41342871170482	0.000879770130837879	0.0898678069132639	0.00603321910775758
THYM	TDRD1	cg16550453	-0.523529275289009	124	-6.67480315970776	8.49880923913253e-10	0.274082902084635	2.8522707763118e-08
THYM	TDRD1	cg23504215	-0.228766300773954	124	-2.5527330909365	0.0119641345629675	0.052334020369799	0.0490300734442128
THYM	TDRD1	cg23825092	-0.29320048108344	124	-3.33138350347383	0.00115418640084388	0.0859665221075607	0.00756625742540231
THYM	TDRD1	cg24203376	-0.557528305688543	124	-7.29536800789304	3.7332574943302e-11	0.310837811643938	1.59661920568402e-09
THYM	TDRD1	cg26600802	-0.571557113275859	124	-7.56639631232186	9.24728101650387e-12	0.326677533736234	4.41881436976599e-10
THYM	TDRD1	cg27547703	-0.386784219149792	124	-4.5561566049665	1.27856634073669e-05	0.149602032183315	0.000162206115315183
THYM	TDRD3	cg01557749	-0.0876367066621982	124	-0.955655188676235	0.341200213904933	0.00768019235459617	0.540464764728602
THYM	TDRD3	cg03447530	-0.00852870612813809	124	-0.0926488321889399	0.926339663285461	7.27388282201401e-05	0.961207754436712
THYM	TDRD3	cg05666423	0.0155260736866968	124	0.168676662084865	0.866339768169178	0.000241058964124739	0.928979022972216
THYM	TDRD3	cg10765900	-0.049136278141624	124	-0.534402116712508	0.594068805902615	0.00241437382961103	0.755776687867145
THYM	TDRD3	cg18522102	0.0786786535045178	124	0.857326629336373	0.393002272721259	0.00619033051728398	0.589842764979467
THYM	TDRD3	cg19937698	-0.00414425845716519	124	-0.045018556514757	0.964168614200475	1.71748781597852e-05	0.981208654462956
THYM	TDRD3	cg20944895	0.0986392585208158	124	1.07674763458571	0.283789478030714	0.00972970332153633	0.481045859021252
THYM	TDRD3	cg22045829	-0.110079180346882	124	-1.20307728882497	0.231354685134836	0.0121174259458414	0.421854640337976
THYM	TDRD3	cg23103367	-0.0452614271406835	124	-0.492169334459951	0.623514060411652	0.0020485967868114	0.776927085709719
THYM	TDRD3	cg23767211	-0.0327926816407699	124	-0.356411389198693	0.722168984439733	0.00107535996919288	0.842595583200313
THYM	TDRD3	cg26737458	0.136661550458424	124	1.4985844470361	0.136651981731417	0.0186763793737003	0.296260186350469
THYM	TDRD5	cg05378938	-0.170813332389167	124	-1.88318412376509	0.0621373623633994	0.0291771945218921	0.168929371577784
THYM	TDRD5	cg07171496	-0.414370235995281	124	-4.94579864836931	2.53909558708609e-06	0.171702692478785	3.90137077032936e-05
THYM	TDRD5	cg07901138	-0.419388080144044	124	-5.01837990814951	1.86262866630975e-06	0.175886361766907	2.96382357265086e-05
THYM	TDRD5	cg09656934	0.252281280125469	124	2.83208287891386	0.00543942349490788	0.0636458443017452	0.0265364314520602
THYM	TDRD5	cg11853788	0.309127268908307	124	3.53092392273131	0.000591638488634261	0.0955596683827084	0.00432371297180025
THYM	TDRD5	cg12277666	-0.268902280097167	124	-3.03272956300722	0.00298046155119074	0.0723084362414553	0.0163755933267415
THYM	TDRD5	cg13848905	-0.278558372500776	124	-3.15062228792586	0.00206492656298628	0.077594766890281	0.0122071739091029
THYM	TDRD5	cg15545772	-0.162604009185608	124	-1.79015611468964	0.0759932866469291	0.0264400638032334	0.195754758528642
THYM	TDRD7	cg24339935	-0.0551394701113858	124	-0.59988058123467	0.549736048964043	0.0030403611641644	0.722608961916576
THYM	TDRD9	cg07613153	-0.0840808787901213	124	-0.916597863946101	0.361222913635224	0.00706959417811906	0.560081624446188
THYM	TDRD9	cg08933517	0.0797598185295056	124	0.869182519969027	0.386511814553276	0.00636162865185967	0.584497406865026
THYM	TDRD9	cg16701547	-0.12148436295979	124	-1.32950515325463	0.186245912385361	0.014758450443746	0.365159899896838
THYM	TRIM24	cg00733782	-0.0173129782441414	124	-0.188095274192724	0.851125050193364	0.000299739215682112	0.92059624891931
THYM	TRIM24	cg02308366	0.0648170913233408	124	0.705577550853189	0.481841476501036	0.0042012553276183	0.668992695042156
THYM	TRIM24	cg06386929	-0.0810935094189743	124	-0.883811828292066	0.378594978231364	0.00657615726988527	0.577170192175639
THYM	TRIM24	cg06650216	0.128904475512389	124	1.41204166367841	0.160569416442438	0.0166163638071241	0.330484884586687
THYM	TRIM24	cg10571650	0.074349364555217	124	0.809882374074267	0.419637989084667	0.00552782800976456	0.61498629924557
THYM	TRIM24	cg10703331	0.0510546762951318	124	0.555319956821067	0.579727083718025	0.00260657997160069	0.745664639905427
THYM	TRIM24	cg13935558	0.0327886357573619	124	0.356367368676327	0.722201860197095	0.00107509463482895	0.842595583200313
THYM	TRIM24	cg26889928	-0.151562079323384	124	-1.66562735759826	0.0984403904513507	0.0229710638888276	0.235451859639428
THYM	TRIM33	cg00760200	-0.115686347197462	124	-1.26517000716319	0.208303084419471	0.0133833309278918	0.393471497409875
THYM	TRIM33	cg02852257	-0.102490114956947	124	-1.11922141562774	0.265318795185804	0.0105042236638883	0.461014026417169
THYM	TRIM33	cg05792124	-0.0301267588945146	124	-0.327408984245043	0.743938709506742	0.000907621601488214	0.856149116355033
THYM	TRIM33	cg16036305	0.0131471657574257	124	0.142827119926469	0.88667031825569	0.000172847967453226	0.939854473608295
THYM	TRIM33	cg17645130	-0.0829686261141199	124	-0.904388159040334	0.367632342867636	0.00688379291926461	0.566554324625736
THYM	TRIM33	cg18199720	-0.0494018847110217	124	-0.537297880145754	0.59207363412797	0.00244054621300108	0.754488509382889
THYM	TRIM33	cg20932765	-0.176965160628329	124	-1.95316019479075	0.0531678769789212	0.0313166680762104	0.150887998748657
THYM	TRIM33	cg20992663	-0.167851888875709	124	-1.84957964329979	0.066876421782202	0.0281742565991433	0.178298925807074
THYM	TRIM33	cg21666217	0.195229742710683	124	2.16234671579193	0.0326096550800693	0.0381146524388793	0.105023204607696
THYM	TRIM33	cg21813112	-0.158370097637756	124	-1.7423280983788	0.0840564782359195	0.0250810878257924	0.210320982531444
THYM	TRIM66	cg06492264	0.0378703512114631	124	0.411672621176864	0.68132619868627	0.00143416350087957	0.816198129022616
THYM	TRIM66	cg11245569	0.00186965435117006	119	0.0200498442736779	0.984038356411612	3.49560739284913e-06	0.991642628249288
THYM	TRIM66	cg12608775	0.0442898021425222	124	0.481582963869106	0.630994152580107	0.00196158657382377	0.782248219568487
THYM	TRIM66	cg13143389	0.053661404077907	124	0.583753131346288	0.560500613819182	0.00287954628761241	0.731149869233017
THYM	TRIM66	cg27044202	-0.00653045471678639	124	-0.0709404088043915	0.943565274320726	4.26468388079976e-05	0.969889291210307
THYM	UBE2A	cg00142683	0.073858142886037	124	0.804502083923993	0.422724974926094	0.00545502527057426	0.617799487120055

THYM	UBE2A	cg00428314	0.0103109139942532	124	0.112011149771229	0.911004884363781	0.000106314947396886	0.952780078345478
THYM	UBE2A	cg00935924	-0.0562888949981517	124	-0.612424895871232	0.541435066657166	0.00316843970011295	0.716414692998153
THYM	UBE2A	cg05206294	-0.0701310463998868	124	-0.763698551223062	0.446571196461771	0.00491836366914307	0.638355070698376
THYM	UBE2A	cg06206449	-0.0326102449865315	124	-0.354426436693498	0.723651918168379	0.00106342807808161	0.843420338322185
THYM	UBE2A	cg06273903	0.0892202043405708	124	0.973060131723415	0.332513902652061	0.00796024486257321	0.532255148507839
THYM	UBE2A	cg09080960	0.0154168520097843	124	0.167489784860043	0.867271389966652	0.000237679325891589	0.929459153743208
THYM	UBE2A	cg14625604	0.0860584821989542	124	0.938315470205992	0.349998947246339	0.00740606235838772	0.54901435863374
THYM	UBE2A	cg15661671	-0.0638147204415748	124	-0.694621102332244	0.488658215372452	0.00407231854503634	0.674700978057336
THYM	UBE2A	cg16211147	0.0972502936690485	124	1.06143986429757	0.290657675216926	0.00945761961871617	0.488286607968964
THYM	UBE2A	cg17976175	-0.0307232123588122	124	-0.33389713442935	0.739049833331633	0.00094391577764467	0.853018352990141
THYM	UBE2A	cg18990292	-0.0158685364544055	124	-0.172398135413386	0.863419877475973	0.000251810449204796	0.927402835053578
THYM	UBE2A	cg25165659	0.0513591782278382	124	0.558640747361539	0.577465489947969	0.00263776518823884	0.743998117371562
THYM	UHRF2	cg06523306	0.0850872190656541	124	0.927647892043389	0.355483819150958	0.0072398348483266	0.554298535347651
THYM	UHRF2	cg08487038	0.0237832132975741	124	0.258424923661704	0.79652919676699	0.000565641234757905	0.88856820484816
THYM	UHRF2	cg13428749	-0.0786326538036711	124	-0.85682227145462	0.393279856656687	0.00618309424420799	0.59008660406387
THYM	UHRF2	cg14078101	-0.0727807610899423	124	-0.792703710671228	0.429541364183626	0.00529703918483126	0.623602517221257
THYM	UHRF2	cg20595300	0.0141463581880268	124	0.15368416211084	0.878121294149268	0.000200119449983952	0.935301732756211
THYM	UHRF2	cg24119045	-0.113111201669951	124	-1.2366384865982	0.218676991797286	0.0127941439432202	0.406465295540988
THYM	USP27X	cg00478198	0.0381431413449087	124	0.414642312856461	0.679156610858846	0.00145489923165768	0.814841292183114
THYM	USP27X	cg01125381	0.0107205088143216	124	0.116461226600415	0.907484991041309	0.000114929309237947	0.950952222346011
THYM	USP27X	cg01290688	-0.0786057916492016	124	-0.856527747318329	0.393442009805855	0.0061788704807977	0.590226472126201
THYM	USP27X	cg01855997	-0.0301173540131359	124	-0.327306681880389	0.744015879576236	0.000907055012752551	0.856199928044758
THYM	USP27X	cg06455206	-0.261160210092819	124	-2.93891986758785	0.0039629212632954	0.0682046553357252	0.0206118537645786
THYM	USP27X	cg06624970	-0.0296546383743621	124	-0.322273561668357	0.747815729820864	0.00087939757711419	0.85843935849259
THYM	USP27X	cg16810342	-0.019402382936101	124	-0.210803509326278	0.8334042042762	0.000376452463599101	0.910651684352309
THYM	USP27X	cg16867483	0.0322659110649142	124	0.350680101383783	0.726453620025227	0.00104108901684895	0.845065165102692
THYM	USP27X	cg19318186	0.0416548734319305	124	0.452880820266985	0.651466168196365	0.00173512848063015	0.796314173369303
THYM	USP51	cg00834229	-0.0114647528099629	124	-0.124547278711328	0.901093892173103	0.000131440556993551	0.947878637482339
THYM	USP51	cg01084827	0.00293220549017842	124	0.0318520415243984	0.974643857872128	8.59782903663245e-06	0.986731618267647
THYM	USP51	cg02714202	0.0746848549284656	124	0.813557299060942	0.417537205841628	0.00557782755568595	0.612976316689224
THYM	USP51	cg03728850	0.0720595953255065	124	0.784807809024196	0.434139049621691	0.00519258527847576	0.627650147142781
THYM	USP51	cg07386410	-0.0348453250389315	124	-0.378747123631432	0.705556258472025	0.00121419667706879	0.832072498725056
THYM	USP51	cg12064531	0.0461426178152608	124	0.50177158452262	0.616763143070564	0.00212914117884522	0.772319295447754
THYM	USP51	cg12517811	-0.00621139110303111	124	-0.0674742797351701	0.946318333937677	3.8581379434814e-05	0.971378844265476
THYM	USP51	cg18770944	-0.0711786613395212	124	-0.77516431421539	0.439793219054248	0.00506640183008625	0.632384637963591
THYM	USP51	cg21331369	-0.0458234797115889	124	-0.498293832894351	0.619204449263048	0.0020997912928784	0.774060054928135
THYM	USP51	cg25424556	-0.0574500617704419	124	-0.625099836811121	0.533112509197929	0.00330050959742759	0.710226299629134
THYM	WDR82	cg01736403	0.0383852262390981	124	0.417277813967095	0.677233426189914	0.00147342559342674	0.813526103968679
THYM	WDR82	cg03869063	-0.0779390675889179	124	-0.849218199053179	0.397479480582428	0.00607449825662991	0.594073472761084
THYM	WDR82	cg10989431	-0.119396556993422	124	-1.30632318238089	0.193983239076955	0.0142555378218836	0.375167365273285
THYM	WDR82	cg11442381	0.0553069986712447	124	0.601708763687043	0.548522336956347	0.00305886410202106	0.721696461535036
THYM	WDR82	cg11665333	-0.0716530923109111	124	-0.780357633830285	0.436742971924478	0.00513416563771595	0.629758118627725
THYM	WDR82	cg12661343	0.0502208435822952	124	0.546227263734748	0.585941015776439	0.00252213313011736	0.750247113074301
THYM	WDR82	cg13539115	0.0209999135002763	124	0.22816776681373	0.819910735510502	0.000440996367019087	0.903099843664043
THYM	WDR82	cg15991175	-0.0940969975379974	124	-1.026710508555	0.306656873385328	0.00885424494566589	0.505114755936781
THYM	WDR82	cg17632831	-0.0246402408982413	124	-0.267742819353247	0.789364728444067	0.000607141471523362	0.884089525557562
THYM	WDR82	cg24007312	-0.130218803768751	124	-1.42668611200403	0.156310983412857	0.0169569368549645	0.324683772391857
THYM	WDR82	cg26236504	-0.0366229421342185	124	-0.398094040727474	0.69128020049696	0.00134123989056632	0.82257448211849
THYM	WDR82	cg26858096	-0.0477919496802087	124	-0.519747367752214	0.604213305256794	0.0022840704542356	0.763129036418271
THYM	ZMYND1	cg00614684	-0.151467185912206	124	-1.66456000887294	0.098653792459314	0.0229423084081628	0.235860755726355
THYM	ZMYND1	cg02813021	-0.0723041105192349	124	-0.787484818356426	0.432577042439284	0.00522788439797773	0.626256600716882
THYM	ZMYND1	cg02867818	0.0335356237463389	124	0.364495139604914	0.716140679890205	0.00112463806005601	0.838623676110588
THYM	ZMYND1	cg03254875	-0.130661885127986	124	-1.43162471310537	0.154894626781477	0.017072528225199	0.322637694008734
THYM	ZMYND1	cg05236965	-0.14574402117121	124	-1.60027248520263	0.112212163650193	0.0212413197071542	0.258588573345669
THYM	ZMYND1	cg08828193	-0.773747988843029	124	-13.2677828414937	3.79894752387912e-25	0.598685950238632	7.79776579611221e-23
THYM	ZMYND1	cg12639781	0.0685032716590703	124	0.745888175041147	0.457218284211727	0.00469269822799638	0.647421606411526
THYM	ZMYND1	cg13939078	-0.424033682608424	124	-5.08607412238617	1.39189913825929e-06	0.179804563986462	2.2902157690724e-05

THYM	ZMYND1	cg14255089	-0.117969234160969	124	-1.2904850290967	0.199405236578334	0.0139167402085255	0.382176175766813
THYM	ZMYND1	cg14694828	-0.0196827623086839	124	-0.213850954552723	0.83103236634921	0.000387411132100149	0.909439586812925
THYM	ZMYND1	cg17632565	0.0980194375970857	124	1.06991581365171	0.286840867187407	0.00960781014684898	0.48423459089478
THYM	ZMYND1	cg22593633	-0.0813615730003217	124	-0.886752802538068	0.377015721724459	0.00661970556108668	0.575557280574305
THYM	ZMYND1	cg24757747	0.0403822834458249	124	0.43902198976449	0.661448449209029	0.00163072881629894	0.803050694173131
UCEC	ACTL6A	cg03667091	0.0662386549054353	554	0.878183699723549	0.381048148632163	0.00438755940368134	0.579467266096722
UCEC	ACTL6A	cg03839554	-0.278079076495601	437	-3.7745840120859	0.000221189543962197	0.0773279727846462	0.00188882759418168
UCEC	ACTL6A	cg07261848	-0.327115541891797	437	-4.51337088677439	1.18730283382271e-05	0.107004577747164	0.000152291898853098
UCEC	ACTL6A	cg10112003	0.184700862039771	439	2.45756002314846	0.0149860139777274	0.0341144084382344	0.0583377687841937
UCEC	ACTL6A	cg20132173	0.0126069440135576	439	0.164870287179171	0.869240815298062	0.000158935037360977	0.930621086182753
UCEC	ACTL6A	cg22619386	0.270728658277318	439	3.677527298240713	0.000315075923179542	0.0732940064126368	0.00254712837658
UCEC	ACTL6A	cg25198545	0.325192282371223	554	4.5491450550444	1.00365481687592e-05	0.105750020513805	0.000131290268747344
UCEC	ACTL6A	cg25575835	0.30253086668005	439	4.1506034102603	5.22030675545163e-05	0.0915249252941822	0.000550506362659081
UCEC	ACTL6B	cg05729836	0.07842706301614	439	1.02873558191443	0.305056865458504	0.0061508042133376	0.503566825630294
UCEC	ACTL6B	cg08572611	-0.0325927018634288	548	-0.431390108765484	0.666715695935564	0.00106228421475836	0.806620127985743
UCEC	ACTL6B	cg09375063	-0.00183702433496924	439	-0.0240222508323473	0.980862869569092	3.37465840726917e-06	0.990102845217962
UCEC	ACTL6B	cg14088161	0.0699704782861827	548	0.927896639944074	0.354739200013979	0.00489586783159717	0.55365904273107
UCEC	ACTL6B	cg16024950	-0.0376101896246874	439	-0.492165261015611	0.623233775169509	0.00141452636360495	0.776735794705812
UCEC	ACTL6B	cg20497359	0.062383497345197	439	0.817362096777078	0.414858891047792	0.0038917007410182	0.610443408616996
UCEC	ACTL6B	cg24471254	-0.1624326652088	439	-2.152670984344495	0.0327462823284778	0.026384370726834	0.105375978798825
UCEC	ACTL6B	cg26990587	-0.0353976060585323	439	-0.463174030244525	0.643828567168535	0.00125299051467504	0.79091066297644
UCEC	AEBP2	cg02664216	0.0115973149758118	439	0.151664771613479	0.879630126514036	0.000134497714648189	0.936190363294417
UCEC	AEBP2	cg07849438	0.06189232752051	439	0.810901838076367	0.418549222782736	0.00383066020590608	0.613992160003775
UCEC	AEBP2	cg08161947	0.0021017842011207	439	0.0274844555077611	0.978105386906693	4.41749682808059e-06	0.98866637824694
UCEC	AEBP2	cg24304000	0.0265277457078296	439	0.347017411480723	0.729004931479282	0.000703721292339271	0.84676402051338
UCEC	AEBP2	cg26259627	0.232334384438876	439	3.1236417287178	0.00209846670937014	0.0539792661925913	0.0123579196963468
UCEC	AFF4	cg00931577	0.0773979056814573	439	1.01515412305599	0.311466554232154	0.00599043580387576	0.510357207067342
UCEC	AFF4	cg01907658	0.0294307269629174	439	0.385023477570341	0.700698490717919	0.000866167689565794	0.828515062587782
UCEC	AFF4	cg05619425	0.149555278562915	439	1.97793413864226	0.0495426945895254	0.022366781346031	0.143318622002734
UCEC	AFF4	cg06638012	-0.0404180888953182	554	-0.535118327595872	0.593247354237531	0.00163362190994984	0.755346708486623
UCEC	AFF4	cg07236381	-0.421440412325584	115	-0.657223069315512	0.578559587674416	0.177612021141159	0.744790994084882
UCEC	AFF4	cg13393914	0.044039612470785	439	0.576451942789307	0.565067738015174	0.00193948746657692	0.73467653126482
UCEC	AFF4	cg13565585	-0.023577496405189	439	-0.308401504373607	0.758152209148181	0.000555898336736699	0.865178067776441
UCEC	AICDA	cg07999668	0.0163085499198754	439	0.213290329222039	0.831354594171549	0.000265968800489067	0.909651953567734
UCEC	AIRE	cg08089567	-0.197934629608495	439	-2.64057431907237	0.00904287885002156	0.0391781175982521	0.0394837356041184
UCEC	AIRE	cg09510531	-0.202216046648095	439	-2.70009946175035	0.00762869512483462	0.0408913295219847	0.0346570140470325
UCEC	AIRE	cg11923631	-0.184688697081113	439	-2.45739244451456	0.0149927626726339	0.0341099148295192	0.0583552798996787
UCEC	AIRE	cg12843033	-0.00792019587728833	439	-0.103573248926589	0.917629388455505	6.2729502734615e-05	0.956585845875352
UCEC	AIRE	cg15955655	-0.0252101727252132	439	-0.329770595745142	0.741976921104284	0.000635552808835082	0.85485253103265
UCEC	AIRE	cg16501323	-0.172849503624807	439	-2.29484195064021	0.022957367552109	0.0298769509033421	0.0807937322483042
UCEC	AIRE	cg16717549	-0.187140431990944	439	-2.49119012399251	0.0136850938892761	0.0350215412857573	0.0544255505353686
UCEC	AIRE	cg17356252	-0.160581044365381	554	-2.15221760638967	0.0327503202414856	0.0257862718094764	0.105384613371366
UCEC	AIRE	cg18689454	-0.170247384209082	439	-2.25925550113142	0.0251302179382099	0.0289841718300349	0.0865686655575033
UCEC	AIRE	cg18876487	0.0311534213860088	554	0.412321162148628	0.680608690348232	0.000970535664054233	0.815790833350544
UCEC	AIRE	cg23272544	-0.0713356001719244	439	-0.935216601739021	0.350995493268457	0.00508876785188866	0.549974017262514
UCEC	AIRE	cg27251412	-0.196592510556697	439	-2.62194722500795	0.00953161993351621	0.0386486152069849	0.041023097523955
UCEC	ARID1A	cg04081153	0.176455291830661	439	2.34423657834387	0.0202149277237159	0.0311364700150437	0.0734173710242184
UCEC	ARID1A	cg04360147	-0.0476878672406736	439	-0.624310068421386	0.533256010550633	0.00227413268196411	0.710343733025627
UCEC	ARID1A	cg14851949	0.0981194277464958	439	1.28929933433194	0.199035285383828	0.00962742210129982	0.38173046179058
UCEC	ARID1A	cg17385674	-0.0559458764933065	554	-0.741255332307665	0.45953217530378	0.00312994109660431	0.649424056634917
UCEC	ARID1A	cg20413923	0.0904264513445806	439	1.18734367490019	0.236738822499644	0.0081769431027738	0.428076332707046
UCEC	ARID1A	cg21294655	-0.0349960131415006	439	-0.457912747704208	0.647596461834837	0.00122472093580008	0.793477166428039
UCEC	ARID1A	cg24542126	-0.07789614024656	439	-1.02172875418436	0.308352589913539	0.00606780866531174	0.506909711756347
UCEC	ARID1A	cg25601319	-0.148675505085681	439	-1.96603494577524	0.0509135131630186	0.0221044058124824	0.14620767231465
UCEC	ARID2	cg00035453	-0.218329253907007	439	-2.91703826231931	0.00401123785106337	0.0476676631115904	0.020786719783215
UCEC	ARID2	cg01183821	0.0175814500472889	439	0.2299428333719	0.818411023160885	0.000309107385765315	0.902329499224449
UCEC	ARID2	cg01353809	-0.247620591475207	439	-3.34214350959925	0.00102114457027698	0.0613159573225315	0.00682875618500196

UCEC	ARID2	cg01751433	0.26409659379343	439	3.58063718897034	0.000446405774899968	0.069747010853292	0.00340667869818478
UCEC	ARID2	cg06613666	0.168320241858647	439	2.23293142288977	0.0268510896303994	0.0283317038193535	0.0908908566141889
UCEC	ARID2	cg07276957	0.0121926986690357	439	0.159452076707042	0.873500891562379	0.000148661900833904	0.933050410663386
UCEC	ARID2	cg23465749	-0.173416218913307	437	-2.30259885801683	0.0225062080064596	0.0300731849821881	0.0795767632785437
UCEC	ARID4A	cg02136725	0.0181636576026186	439	0.237559834724503	0.812506894248859	0.000329918457505163	0.898992480887438
UCEC	ARID4A	cg06154646	-0.0129629399098145	439	-0.16952667927868	0.865582771777241	0.000168037811105462	0.928628231400494
UCEC	ARID4A	cg08066755	-0.258815396248344	439	-3.50383741072238	0.000585420841060432	0.0669854093351875	0.0042859240456856
UCEC	ARID4A	cg08790491	-0.00664876329899456	554	-0.0879568152096861	0.930011568584437	4.4206053406057e-05	0.962898704585725
UCEC	ARID4A	cg10064886	-0.31796110184567	439	-4.38547035972313	2.01729462762799e-05	0.101099262286912	0.000241213369599895
UCEC	ARID4A	cg10242170	-0.256244152373552	439	-3.46656857137893	0.000666676775382106	0.06566106562564	0.00478620179595732
UCEC	ARID4A	cg10844118	-0.134398042703949	439	-1.77357333211487	0.0779136402860135	0.0180628338826524	0.199133114278538
UCEC	ARID4A	cg12203852	0.117761622917529	554	1.56875540999245	0.11851131783526	0.0138677998321702	0.268444836352091
UCEC	ARID4A	cg14272338	-0.0181500027683334	439	-0.237381186260873	0.812645247515143	0.00032942260049051	0.899047027260703
UCEC	ARID4A	cg14460816	-0.220400230328573	439	-2.9547660998432	0.00357042139982661	0.0485762615288878	0.0189483936649398
UCEC	ARID4A	cg17323045	-0.162776980134789	439	-2.15735814726233	0.0323735492063915	0.0264963452618015	0.104470398098561
UCEC	ARID4A	cg19548283	-0.137963468713845	439	-1.82152511916136	0.0702745668619655	0.0190339186995562	0.184907405571555
UCEC	ARID4A	cg20996579	-0.110544686515743	439	-1.45447359536014	0.147648123859981	0.012220127716864	0.312416173699083
UCEC	ARID4A	cg26429530	0.120577689795453	439	1.58834663979193	0.114055240513983	0.0145389792764085	0.261441846324027
UCEC	ARID4A	cg27026909	-0.225178622513909	439	-3.02221050505772	0.00289528930827802	0.0507054120372615	0.0159968846909219
UCEC	ARID4B	cg05652840	0.193435214709957	439	2.57818776137784	0.0107745010819998	0.0374171822898871	0.0451952732218857
UCEC	ARID4B	cg06212607	-0.0779655272155559	554	-1.03453604957682	0.302313124625517	0.00607862343399959	0.500705624682578
UCEC	ARID4B	cg06891548	-0.17888386119719	439	-2.37755958897037	0.0185317277512814	0.0319994357968157	0.0686340027937721
UCEC	ARID4B	cg07814876	-0.14701928285874	439	-1.94364698488385	0.0535796008460601	0.0216146695322981	0.151740924977917
UCEC	ARID4B	cg10107779	0.145172202227561	439	1.91869879722538	0.0566881576712131	0.0210749682995999	0.157985188001517
UCEC	ARID4B	cg11732257	-0.061588855773675	439	-0.806910630631998	0.420838853073104	0.00379318715551054	0.61596853623899
UCEC	ARID4B	cg22596515	0.0693479752385462	439	0.909030911558697	0.364613229862848	0.00480914166968601	0.563574838147236
UCEC	ARID4B	cg23687319	-0.126723236802177	554	-1.6900155630059	0.0928055255337554	0.0160587787456206	0.225813619835261
UCEC	ARID4B	cg26020585	-0.0777061585737025	439	-1.01922169298127	0.309537558674935	0.0060382470802814	0.508181172091547
UCEC	ASH1L	cg03119126	0.1142575253249	439	1.50396020602194	0.134436302125765	0.0130547820933702	0.292803003739619
UCEC	ASH1L	cg08095278	0.289877081800454	439	3.96069142455782	0.000109511329699448	0.0840287225531469	0.00104186430018819
UCEC	ASH1L	cg09410084	0.187112956251634	439	2.49081109926572	0.0136991766207283	0.0350112583972258	0.0544578030739109
UCEC	ASH1L	cg10558228	-0.292671238046007	439	-4.00242680042357	9.32593941689192e-05	0.0856564535793826	0.000907558332496485
UCEC	ASH1L	cg17038116	-0.0751053419777083	554	-0.996364411489885	0.320448806765935	0.00564081239358851	0.519895609458793
UCEC	ASH1L	cg20064047	0.00293115106783265	439	0.038329938537798	0.969469332440807	8.59164658245649e-06	0.983964320633286
UCEC	ASH1L	cg21852905	-0.0506671842222486	439	-0.663411497460514	0.507960410599841	0.00256716355701128	0.690602449881231
UCEC	ASH1L	cg23821590	-0.0962593182497257	439	-1.26462648075831	0.207726101824356	0.00926585634990198	0.392772631196654
UCEC	ASH1L	cg24312492	0.131145208734043	439	1.72988687478954	0.085454821858954	0.0171990657738958	0.212821770297107
UCEC	ASH1L	cg26185843	-0.164927941674556	439	-2.18665761468646	0.0301256869852014	0.0272012259450056	0.0990163132750761
UCEC	ASH2L	cg00590869	0.215491869892607	439	2.88572001306264	0.00440868159947493	0.0464367459898125	0.0224412076391777
UCEC	ASH2L	cg01642070	0.0545020783076145	439	0.713768058737788	0.476343685956097	0.00297047653984935	0.664146110980945
UCEC	ASH2L	cg02897270	0.157606050278716	439	2.08705035302676	0.0383665883461735	0.0248396670844571	0.118680280480426
UCEC	ASH2L	cg03189282	-0.0629304581028105	439	-0.824556864318168	0.41077190282249	0.00396024255702958	0.60664419105803
UCEC	ASH2L	cg03705346	0.0852005290012931	439	1.11820748673882	0.265046837252186	0.00725913014210019	0.460699205853888
UCEC	ASH2L	cg10062221	0.0996034596142748	439	1.30899359346649	0.1922928516705029	0.00992084916713248	0.372901913104587
UCEC	ASH2L	cg21453287	0.105628193881517	439	1.38903857470973	0.166627319337792	0.0111573153426714	0.339095552373039
UCEC	ASH2L	cg24318412	0.197218993850343	554	2.66123005628692	0.00851011958825891	0.0388953315353417	0.0376799227802512
UCEC	ASH2L	cg27255459	0.319471854423111	439	4.40866953991801	1.83273453523073e-05	0.102062265768541	0.000222219062396726
UCEC	ASXL1	cg00174466	-0.0467706969063117	439	-0.6122726267213187	0.541168290616156	0.00218749808910207	0.716248358232557
UCEC	ASXL1	cg04218270	-0.180062454617262	439	-2.39374750251782	0.0177596350987887	0.0324224875627934	0.0664674806540541
UCEC	ASXL1	cg09065199	0.091821482224427	554	1.21983725637195	0.224167961561894	0.00843118459789076	0.413342555149229
UCEC	ASXL1	cg10421984	-0.153417938301106	439	-2.03023502459036	0.0438820922261172	0.023537063792562	0.131127121557907
UCEC	ASXL1	cg12592359	-0.151656525203512	439	-2.0063736157045	0.0463924220800053	0.0229997016368034	0.13655640577962
UCEC	ASXL1	cg16926526	0.1321824090777	439	1.74381051452733	0.0829892214781151	0.0174721892695844	0.208320592935642
UCEC	ASXL1	cg18793288	-0.0193816278941013	439	-0.253495288963062	0.800190018713923	0.000375647499825407	0.890909304059132
UCEC	ASXL1	cg24727216	-0.211952220756369	439	-2.83607036843222	0.0051187501835598	0.0449237438835566	0.0252541889763984
UCEC	ASXL2	cg05165989	0.134762483721484	439	1.77847148440523	0.0771032915026354	0.0181609270187833	0.19775067450732
UCEC	ASXL2	cg05496738	0.120835355709986	439	1.59179106218415	0.113278570691142	0.014601183189559	0.260382730420362

UCEC	ASXL2	cg06583696	0.0306915909651889	439	-0.401533792005171	0.688528523416678	0.000941973755974462	0.821033246228131
UCEC	ASXL2	cg09476286	0.15437202590914	439	-2.04316806200421	0.0425704902092993	0.0238307223832921	0.12817279647582
UCEC	ASXL2	cg19084174	0.161562718485333	439	-2.14083198382901	0.0337042916671011	0.0261025120043708	0.107639544560551
UCEC	ASXL2	cg20667782	0.164775610234463	439	-2.18458157207955	0.0302803851899483	0.0271510017281397	0.0993769948306968
UCEC	ASXL2	cg24738909	0.0880952271369933	439	-1.15649094788436	0.249093505878104	0.00776076904431844	0.44254088326211
UCEC	ASXL3	cg09963640	-0.16446681770493	439	-2.18037369894304	0.0305960519248278	0.0270493341259867	0.100151025138435
UCEC	ASXL3	cg12361352	-0.117270670144463	439	-1.54416777385074	0.124396308434288	0.0137524100761314	0.277469003020242
UCEC	ASXL3	cg17880622	-0.140983839267094	439	-1.8622027966401	0.0642902573606495	0.0198764429344899	0.173148564345313
UCEC	ASXL3	cg20034091	-0.0858128994629215	439	-1.12630390167504	0.261615059394393	0.00736385371423348	0.456970202989141
UCEC	ASXL3	cg20329085	-0.0878868464046014	439	-1.15373406078214	0.250219210955944	0.007724097770946	0.443865477007747
UCEC	ASXL3	cg24880056	-0.127533664690887	439	-1.68144937691208	0.0945011083152724	0.0162648356294877	0.228708910536284
UCEC	ASXL3	cg27109877	-0.0860140387978056	439	-1.12896353197998	0.260494528139552	0.0073984148703104	0.455647247264493
UCEC	ATAD2B	cg08192560	0.0462841084317754	439	0.605892579178145	0.545389480403564	0.00214221869332434	0.719268495061489
UCEC	ATAD2B	cg14009731	0.143325111942315	439	1.89377097220606	0.0599440087335117	0.020542087713277	0.164571012684035
UCEC	ATAD2B	cg15717719	-0.0354409866011337	439	-0.463742373615882	0.643422095022739	0.00125606353126174	0.790711000429663
UCEC	ATAD2B	cg16929802	-0.0110454131519828	439	-0.144446330735563	0.885318133415505	0.000122001151697996	0.939227329742886
UCEC	ATAD2B	cg17933838	0.00656387869342299	439	0.0858357008210654	0.931697445671753	4.30845035019723e-05	0.963743121433367
UCEC	ATAD2B	cg19614157	0.014799365400901	439	0.193548011354302	0.846759519991904	0.000219021216269386	0.918139131076997
UCEC	ATAD2B	cg20806130	-0.176527024713086	439	-2.34522020646594	0.0201633772728836	0.0311617904540545	0.0732814656186266
UCEC	ATAD2B	cg27610867	-0.137885625593425	439	-1.82047743549122	0.0704345917088442	0.0190124457452901	0.185208336231125
UCEC	ATAT1	cg01245721	-0.121675761834593	439	-1.60302770318711	0.110774053264268	0.0148049910180285	0.256192784720411
UCEC	ATAT1	cg05093836	-0.114226628878954	439	-1.50354814201664	0.134542375271064	0.0130477227450502	0.292976614187185
UCEC	ATAT1	cg06814856	-0.131621712014664	432	-1.73628285459104	0.0843149009934346	0.017324275073671	0.210764223767978
UCEC	ATAT1	cg07142893	-0.146272072051484	439	-1.93355205543996	0.054819696833393	0.0213955190622344	0.154264550387302
UCEC	ATAT1	cg07816366	-0.1386815143173	439	-1.83119085680198	0.0688123556765266	0.0192325624133394	0.182022987761143
UCEC	ATAT1	cg08081524	-0.194910755266004	439	-2.59862799029798	0.0101769037021711	0.0379902025183642	0.0432198955457308
UCEC	ATAT1	cg08188471	-0.295851412265755	439	-4.0500645258082	7.75186971688632e-05	0.0875280581396417	0.000773139683019813
UCEC	ATAT1	cg08635134	-0.154671660918009	439	-2.04723094014057	0.0421654195912689	0.0239233226911356	0.127263497640472
UCEC	ATAT1	cg09532691	-0.404726185830162	439	-5.78768826186544	3.33445833759428e-08	0.163803285496631	8.11388338801406e-07
UCEC	ATAT1	cg12907138	-0.128111992185898	439	-1.68920119408049	0.0930033844516846	0.0164126825418396	0.226091073101624
UCEC	ATAT1	cg13542073	-0.164742083367416	439	-2.1841246741665	0.0303145236478304	0.0271399540322366	0.0994512736751705
UCEC	ATAT1	cg13964084	-0.0489430751667598	548	-0.648232888463447	0.517683965303877	0.0023954246067791	0.698572530734602
UCEC	ATAT1	cg15381130	-0.12936173731474	439	-1.70595858994722	0.0898313601164403	0.0167344590810878	0.220535875691061
UCEC	ATAT1	cg15729859	-0.135026282796919	439	-1.78201744953868	0.0765209821305225	0.0182320970459536	0.196763181194614
UCEC	ATAT1	cg18298197	0.0176681309965166	439	0.23107686222656	0.81753134163772	0.000312162852910072	0.901908928342772
UCEC	ATAT1	cg20629923	-0.110987986186145	439	-1.46037883556756	0.146020839909666	0.012318330776559	0.310031256002526
UCEC	ATAT1	cg22759096	-0.277386795742081	439	-3.77545832869351	0.000220080956194771	0.076943434452059	0.00188142614354022
UCEC	ATAT1	cg23328390	-0.147536318828276	439	-1.95063420765276	0.05273517467316	0.0217669653733988	0.149960894049925
UCEC	ATAT1	cg26934609	-0.143704941780608	439	-1.89889539208174	0.0592622187665649	0.0206511102921679	0.163187610260905
UCEC	ATF7IP	cg00236831	0.102274214136598	439	1.34445890621212	0.180580790289221	0.0104600148772588	0.357722034064822
UCEC	ATF7IP	cg11409060	-0.072223165797985	439	-0.946913310060332	0.345019132614179	0.00521618567788323	0.544242723656902
UCEC	ATF7IP	cg11697652	-0.690783223139787	116	-1.35108069893835	0.309216776860213	0.477181461371393	0.507847445248029
UCEC	ATF7IP	cg12526346	-0.00076845278461686	439	-0.0100488270600975	0.991994044865931	5.90519682185415e-07	0.995757222274841
UCEC	ATF7IP	cg12948116	0.0455910256813049	439	0.596800581088357	0.551429848702778	0.0020785416226734	0.723869151395227
UCEC	ATF7IP	cg17439009	0.0526623331629934	439	0.689606278986534	0.491376571917443	0.00277332133417011	0.677024353295057
UCEC	ATF7IP	cg19789919	-0.051461920656841	439	-0.673844807764895	0.501319811564118	0.00264832927769099	0.685130323785096
UCEC	ATF7IP	cg21275967	0.0731239466649152	439	0.958786486603629	0.339019971223201	0.00534711157585337	0.538371022318481
UCEC	ATF7IP	cg26637901	-0.173163677173014	552	-2.31922212903053	0.0215449050903081	0.0299856590920798	0.0770852387708886
UCEC	ATM	cg01756564	-0.0447590075471593	434	-0.585887140355721	0.558723847261211	0.00200336875660667	0.72973763869917
UCEC	ATM	cg01800843	-0.236519654705529	550	-3.22022945447097	0.00152707720010224	0.0559415470620226	0.00953966463540945
UCEC	ATM	cg01991180	-0.157049237306114	434	-2.07949012649621	0.0390644019411154	0.0246644629384321	0.120376322954871
UCEC	ATM	cg02105423	-0.114075047967853	434	-1.50152658071753	0.135063709622261	0.013013116568868	0.2937947732052
UCEC	ATM	cg03165700	-0.164764127043414	550	-2.20982622571883	0.0284146865347059	0.0271472175603784	0.0948180038725564
UCEC	ATM	cg03569616	-0.137391697580826	439	-1.80851912804906	0.0722929174823147	0.0188764785641413	0.188735996463494
UCEC	ATM	cg04709886	-0.0174929182452831	434	-0.228784595548175	0.819309722028183	0.000306002188736159	0.902770183783185
UCEC	ATM	cg04826772	-0.0514783967913837	434	-0.674061120186631	0.501182625399498	0.00265002533621114	0.68496690431174
UCEC	ATM	cg05033322	-0.149903671646355	434	-1.98264758319757	0.0490083954109051	0.0224711107730581	0.142158884096944

UCEC	ATM	cg05637308	-0.137413578816074	434	-1.81412493547582	0.071411352121256	0.0188824916430415	0.187068549918207
UCEC	ATM	cg06053805	0.0982364696798995	434	1.29085225471096	0.1984973856769	0.00965040397516982	0.381124115922848
UCEC	ATM	cg06081482	-0.0490772956916068	433	-0.642543192179995	0.521381111104458	0.00240858095240141	0.70140803003099
UCEC	ATM	cg06750635	-0.0242032628552059	434	-0.316591473568908	0.751939756771667	0.00058579793283819	0.861105248249702
UCEC	ATM	cg09808176	-0.0715719567148561	434	-0.938331187083764	0.349397685341489	0.00512254498799323	0.54842914125744
UCEC	ATM	cg10610482	0.0221414889178387	434	0.28960853630528	0.772466584666231	0.000490245531498773	0.873855070490995
UCEC	ATM	cg10976287	-0.166211617507225	434	-2.20415854237434	0.028848603241461	0.0276263017943682	0.0958924208959755
UCEC	ATM	cg11588932	-0.070663407503345	434	-0.92635965509247	0.355564664786285	0.0049933171599838	0.554357927979322
UCEC	ATM	cg12019961	-0.145642638514348	426	-1.90240249304854	0.0588396794956654	0.021211778153421	0.162306716781994
UCEC	ATM	cg12106634	-0.12401388271806	434	-1.63430801564316	0.104033847751434	0.0153794431068088	0.245051386505975
UCEC	ATM	cg12848864	0.0628840348097772	434	0.823946179563826	0.411117862661592	0.00395440183395728	0.606956650453386
UCEC	ATM	cg14761454	-0.21834630540877	434	-2.92584513437232	0.0039019386709221	0.0476751090856597	0.0203613775802062
UCEC	ATM	cg15370815	-0.00638963309337497	434	-0.0835570005463888	0.933506391104277	4.08274110679526e-05	0.964633027821854
UCEC	ATM	cg15504467	-0.161493972993883	434	-2.13989665358061	0.0337809987004346	0.026080303313349	0.107849099721
UCEC	ATM	cg16693212	-0.125468008426002	434	-1.65377579685414	0.100007638264088	0.0157422211383872	0.238248176729947
UCEC	ATM	cg16788234	-0.026600918742284	434	-0.34797528679704	0.728286725973153	0.000707608877933598	0.846362282612382
UCEC	ATM	cg17114932	-0.0890941626729143	434	-1.16970904463211	0.243745857543777	0.00793776982238772	0.436430239111154
UCEC	ATM	cg17420659	-0.125301300366358	434	-1.65154336849571	0.100462875572169	0.0157004158735001	0.239010640761533
UCEC	ATM	cg18042593	-0.04932538635409	434	-0.645799214558459	0.519275061496425	0.00243299373898025	0.699881912958522
UCEC	ATM	cg18391757	0.111398647914374	434	1.46585008982084	0.144525538445151	0.0124096587571508	0.307906880399892
UCEC	ATM	cg18457775	0.0965008874352544	550	1.28257264403674	0.201338068443436	0.00931242127579163	0.384591997654782
UCEC	ATM	cg19288979	-0.0201252402417818	434	-0.263224977070884	0.792694081210675	0.000405025294789434	0.886374451700444
UCEC	ATM	cg20342375	0.0272530993721899	434	0.356512939459718	0.721895973745051	0.000742731425390457	0.842440242788694
UCEC	ATM	cg22477592	0.00401048804942397	550	0.0530541967378094	0.957749240046929	1.60840143945725e-05	0.977712796257746
UCEC	ATM	cg22678707	-0.108402264909592	434	-1.42594649781776	0.155706775732246	0.0117510510375293	0.32383473694366
UCEC	ATM	cg22837512	0.0621945592784108	434	0.814876961785983	0.41627618754278	0.00386816320383575	0.611857647962346
UCEC	ATM	cg23275463	-0.148767146134799	434	-1.96727419441751	0.050769269319275	0.0221316637690926	0.145949591378593
UCEC	ATM	cg23389069	-0.202522833417362	434	-2.70437090967433	0.00753534873588058	0.0410154980553965	0.0343110868925428
UCEC	ATM	cg24030675	0.146276652645013	434	1.93361392961996	0.0548120230732885	0.0213968591090297	0.154249747530338
UCEC	ATM	cg24568245	-0.0869373977364954	434	-1.14117473582442	0.255392832102311	0.00755811112519359	0.449665019009612
UCEC	ATM	cg25400013	0.0263035449207862	434	0.344082534401209	0.731206965195192	0.000691876475399818	0.84810893904064
UCEC	ATM	cg25740661	-0.137818591451935	434	-1.8195752564708	0.0705726334862444	0.0189939641497954	0.185477278696922
UCEC	ATM	cg25918541	-0.0452728500654458	434	-0.592626979786349	0.554213692907741	0.00204963095304834	0.72599222095854
UCEC	ATM	cg27453365	-0.151312905627067	434	-2.00172097849558	0.0468958534468467	0.0228955954093057	0.137710557667981
UCEC	ATM	cg27599391	-0.0401668250321281	434	-0.525673618801991	0.599796008551934	0.00161337383316159	0.759980629172258
UCEC	ATR	cg00911981	-0.0292183671238554	433	-0.382242926476332	0.7027558223481	0.000853712977384396	0.829945749996176
UCEC	ATR	cg00969988	0.0884468686733849	433	1.16114352948403	0.247201851032987	0.007822848578127	0.440443393037273
UCEC	ATR	cg11458642	-0.0144545158979528	554	-0.191235250662839	0.848562977655408	0.000208933029844171	0.919197787174513
UCEC	ATR	cg11936145	0.064665442817125	433	0.847383965838997	0.397965588240935	0.00418161949473487	0.594594280011049
UCEC	ATR	cg15135999	0.00192691045255213	433	0.0251976705870969	0.979926675667415	3.71298389215467e-06	0.989664496271231
UCEC	ATR	cg15291273	0.0772210582330199	433	1.01282065400484	0.312576775676087	0.00596309183462745	0.511585632305516
UCEC	ATR	cg15480357	-0.0523610572706022	433	-0.685650233656559	0.49386218788417	0.00274168031849528	0.679149991943806
UCEC	ATR	cg16031872	0.137549275973797	433	1.81595093076484	0.0711294469038011	0.0189198033209158	0.186518495042785
UCEC	ATR	cg17945282	0.0800903354386814	433	1.05069226960914	0.29488253250971	0.00641446183068051	0.492762042731419
UCEC	ATR	cg20032934	-0.0228392207873851	433	-0.298739491989249	0.765501549584246	0.000521630006174924	0.869983167275306
UCEC	ATR	cg20636078	-0.0760002169099926	554	-1.00830458505814	0.314700382518087	0.00577603297036593	0.513751527870482
UCEC	ATR	cg24631870	0.0634028671445502	433	0.830771572468738	0.407261130189933	0.00401992356214948	0.603429688442703
UCEC	ATR	cg24856922	-0.0368932102755791	433	-0.482769989036729	0.629876526621117	0.00136110896443809	0.781613865436172
UCEC	AURKB	cg02245743	-0.0136996697458698	433	-0.179163241499104	0.858021633659103	0.000187680951145899	0.924590126035436
UCEC	AURKB	cg04612488	-0.203256813977927	433	-2.71459362679781	0.00731612699735774	0.0413133324284577	0.0335282298321821
UCEC	AURKB	cg05617798	-0.0153338990173784	433	-0.200540326436631	0.841296335352526	0.000235128459075159	0.915016032751748
UCEC	AURKB	cg05811247	-0.228598900570442	433	-3.07062657774133	0.00248541101260297	0.052257457342015	0.0141707252707558
UCEC	AURKB	cg11009596	0.1017425533580053	554	1.35294824265223	0.177817466831564	0.0103515472089899	0.354295974149542
UCEC	AURKB	cg12844497	0.128127050606058	554	1.70904794013689	0.0892148172738136	0.0164165410970074	0.219465516538043
UCEC	AURKB	cg13678641	-0.144834791484888	433	-1.91414367283931	0.057271771154112	0.0209771168244709	0.159144169351443
UCEC	AURKB	cg21724796	-0.166643967041571	433	-2.21005554654294	0.0284290065099628	0.0277702117513522	0.0948454469695534
UCEC	BAP1	cg00794529	-0.119865709963755	433	-1.57883073833038	0.116222938818388	0.0143677884251151	0.264857699927869

UCEC	BAP1	cg02503646	-0.0608093586309646	439	-0.796659847119135	0.426753288228117	0.00369777809710927	0.62121094208917
UCEC	BAP1	cg03075736	-0.18361881003091	439	-2.44265875756267	0.0155967750856817	0.0337158673971673	0.0601656909812321
UCEC	BAP1	cg05442719	0.231468390407614	439	3.11133837183672	0.00218294416560298	0.0535776157578915	0.012745418674491
UCEC	BAP1	cg05908979	0.0823720945394144	439	1.08082794506705	0.281295615746833	0.00678516195881022	0.478530610808714
UCEC	BAP1	cg09096430	0.0322466172813537	439	0.42189864951309	0.673628921457207	0.0010398443260901	0.811224451088128
UCEC	BAP1	cg10449522	-0.0981530544124528	439	-1.28974548970256	0.19888063642376	0.00963402209049393	0.38158437897573
UCEC	BAP1	cg10956904	-0.0938839285372251	439	-1.23313825783571	0.21921665768827	0.00881419203758278	0.407098380835256
UCEC	BAP1	cg11234564	-0.0692071911105391	439	-0.907176586800017	0.365590029845584	0.00478963530141068	0.56446781347241
UCEC	BAP1	cg12859382	0.245709329005643	439	3.31468279814212	0.00112013532779144	0.0603730743604034	0.00737972626102701
UCEC	BAP1	cg16841708	0.178856858273023	439	2.37718882955748	0.0185497532045221	0.0319897757512964	0.0686909511039886
UCEC	BAP1	cg24291822	-0.151387837121614	439	-2.00273549368594	0.0467856858709713	0.0229182772283605	0.137469619528869
UCEC	BAP1	cg24747396	0.0596548273353108	554	0.790567136913566	0.4302666661568	0.00355869842440575	0.624271047540045
UCEC	BAP1	cg25749966	-0.0464505357451303	439	-0.608075936012853	0.543943890945162	0.00215765227100962	0.718191558040709
UCEC	BAZ1A	cg00169548	0.231997238635324	115	0.337296283197166	0.768002761364676	0.0538227187344154	0.871477601926643
UCEC	BAZ1A	cg05294307	0.0589735226775275	439	0.772523417614886	0.440870909735178	0.00347787637699685	0.633430816362331
UCEC	BAZ1A	cg07414384	-0.101310449116417	554	-1.34714250436243	0.179676114519793	0.0102638071001701	0.356656468397151
UCEC	BAZ1A	cg23422263	-0.0535836247443834	439	-0.701704909265063	0.483817139038516	0.0028712048407469	0.670623450116925
UCEC	BAZ1A	cg26967526	-0.0922445645983487	439	-1.21141923568371	0.227406193665229	0.00850905969793893	0.417059678202481
UCEC	BAZ1B	cg00525989	0.234869279844083	439	3.15970078691434	0.00186798713590886	0.055163578614478	0.011241447550084
UCEC	BAZ1B	cg04742505	0.192352883038092	439	2.56320610371812	0.0112322986341758	0.0369996316130659	0.0466851226129762
UCEC	BAZ1B	cg05166819	0.205890773436088	439	2.75131827645268	0.00657538669632236	0.0423910105861107	0.0308240815097139
UCEC	BAZ1B	cg06059318	0.113966642475374	439	1.50008089426686	0.135437498104419	0.0129883955971097	0.294339617022976
UCEC	BAZ1B	cg06394887	0.212155188374453	439	2.8389141556069	0.00507541980159315	0.0450098239541996	0.0250849560384458
UCEC	BAZ1B	cg14093368	0.181511974780935	554	2.44173808604351	0.0156116747034699	0.0329465969888748	0.0602129212633485
UCEC	BAZ1B	cg15636799	0.0243855630559601	439	0.318977470113502	0.750132898543945	0.00059465568556205	0.860047091364456
UCEC	BAZ1B	cg19160975	0.0313769684386556	439	0.410509229569761	0.681946338634954	0.000984514148400388	0.816626646569909
UCEC	BAZ1B	cg20612831	0.0415863053170616	439	0.544282357211163	0.586956199616749	0.00172942078992386	0.750890817184433
UCEC	BAZ1B	cg21340129	-0.0104057089123723	439	-0.136079668224326	0.891918367017438	0.000108278777969024	0.942742902749428
UCEC	BAZ1B	cg25710357	0.198608627794565	439	2.64993447362926	0.00880590846601101	0.0394453870344401	0.0386617102096541
UCEC	BAZ2A	cg14634319	-0.018047367816715	554	-0.238783125204231	0.811553152340972	0.000325707485111799	0.898450174199944
UCEC	BAZ2A	cg18206859	0.0495725098089921	439	0.649042662117302	0.517181558692781	0.00245743372876262	0.698148886445127
UCEC	BAZ2A	cg18955060	-0.116138615206781	439	-1.52905656424339	0.128098139952924	0.0134881779421488	0.283184617774873
UCEC	BAZ2A	cg25683012	-0.00724888604693868	554	-0.095896268344716	0.923712683940525	5.25463489215023e-05	0.959838972757583
UCEC	BRD7	cg03021120	-0.130157088700088	439	-1.71662747855161	0.0878580107309271	0.0169408677388827	0.217130252455739
UCEC	BRD7	cg16433860	-0.308582681529736	439	-4.24227573555292	3.61804258216474e-05	0.0952232713400825	0.000401400462973365
UCEC	BRD7	cg16834187	0.103738068110504	554	1.37976998818478	0.169417826599421	0.0107615867752996	0.342905905693092
UCEC	BRD8	cg01096096	-0.00343341441740638	439	-0.0448979840673185	0.964241011165083	1.1788334561654e-05	0.98126949430402
UCEC	BRD8	cg03204906	-0.0958372118107683	439	-1.25902945043116	0.209735686653939	0.00918477116766207	0.395237101098701
UCEC	BRD8	cg03684156	-0.0551054573751738	439	-0.721693944958624	0.471468326396226	0.00303661143252709	0.659701188619314
UCEC	BRD8	cg07430605	0.118450105947764	554	1.57805712914164	0.116358385343444	0.0140304275990364	0.264997305167462
UCEC	BRD8	cg07632946	-0.25093149587853	439	-3.38981267092387	0.0008684482670035	0.0629666156238366	0.00596820357626062
UCEC	BRD8	cg08976717	0.00454035882805843	439	0.0593735078881381	0.952723943086767	2.06148582875282e-05	0.975037248149736
UCEC	BRD8	cg11110536	-0.00777203167573183	439	-0.101635571649636	0.91916502047501	6.0404476368579e-05	0.957406991723557
UCEC	BRD8	cg11346339	-0.0471570665701836	439	-0.61734546800773	0.537828067745391	0.00222378892750473	0.713612196656802
UCEC	BRD8	cg12964860	-0.0656343465746788	439	-0.860135125465816	0.390918868547353	0.00430786745028505	0.588200378519543
UCEC	BRD8	cg14473243	0.0931821904361555	439	1.22384009151172	0.222696162142069	0.00868292061447995	0.411380121214359
UCEC	BRD8	cg22106577	0.113008816189113	439	1.48730975677825	0.138774635346257	0.0127709925364647	0.299401907541371
UCEC	BRD8	cg22818036	-0.0688532644847579	439	-0.902515116197953	0.368052815579826	0.00474077203020803	0.566920121477417
UCEC	BRD8	cg23298160	-0.204325381345012	439	-2.7294849334319	0.0070071102434579	0.0417488614617847	0.0324200745973334
UCEC	BRD8	cg26008208	-0.21217749143158	439	-2.83922666805701	0.00507067854835434	0.0450192878701983	0.0250647075225999
UCEC	BRD8	cg26630792	0.145451269902691	439	1.92246679308644	0.0562091736708723	0.0211560719163054	0.157021561927314
UCEC	BRD8	cg27119451	-0.0311614434840999	554	-0.412427439252194	0.680530951172306	0.00097103556001275	0.815747928558196
UCEC	BRD9	cg02364331	-0.149403691478895	439	-1.97588353734349	0.0497766774936947	0.0223214630275208	0.143829693902778
UCEC	BRD9	cg02822723	0.218860485265087	554	2.96718810645086	0.00342595102735941	0.0478999120104695	0.0183213519710779
UCEC	BRD9	cg05193570	-0.20855836475096	439	-2.78857549869232	0.00589406526920562	0.0434965915075944	0.0282777004966131
UCEC	BRD9	cg07308931	-0.243899613544508	439	-3.2887190267248	0.00122189663748829	0.0594870214871601	0.00793648955102523
UCEC	BRD9	cg09497020	-0.141531793209818	439	-1.86958816712683	0.0632506149462769	0.0200312484891868	0.171083006123941

UCEC	BRD9	cg10551270	-0.343698991992382	439	-4.7860119902072	3.66177500929789e-06	0.11812899709658	5.40231604538821e-05
UCEC	BRD9	cg10600960	-0.182710483773494	439	-2.43015701899906	0.0161261253196497	0.0333831208807443	0.0616833411897348
UCEC	BRD9	cg13722821	-0.214011180511514	439	-2.86493643389376	0.0046941820054489	0.045800785383932	0.0235842931369085
UCEC	BRD9	cg17977043	-0.212768472486091	439	-2.84750924235315	0.00494648303166793	0.0452704228840646	0.0245678797781763
UCEC	BRD9	cg20079193	-0.215451438218398	439	-2.88515222067187	0.00441626551663486	0.04641932230376	0.0224695199215888
UCEC	BRD9	cg21160852	0.151924538623157	439	2.01000305610793	0.0460028975730511	0.0230810654358591	0.135764393543169
UCEC	BRD9	cg21758832	-0.281673007500023	439	-3.83878309826522	0.000173844032954755	0.079339683154108	0.0015445434782113
UCEC	BRD9	cg21910709	-0.192811601819414	439	-2.56955450891655	0.0110362228322522	0.0371763137961684	0.0460374239375961
UCEC	BRD9	cg24953233	-0.254992556269333	439	-3.44845590394071	0.000709881071300332	0.0650212037527689	0.00504425356784235
UCEC	BRD9	cg25523559	-0.183536396810327	439	-2.44152419756047	0.0156441702985193	0.033685608954118	0.0603024422351578
UCEC	BRD9	cg25951128	-0.2374367471125	439	-3.19629273738918	0.00165826748199606	0.0563762088793651	0.010204339542351
UCEC	BRD9	cg26504197	-0.0244351672617153	439	-0.319626709476857	0.749641483843203	0.000597077399108002	0.859735959342171
UCEC	BRDT	cg00308185	-0.502032335068055	439	-7.59083467543359	1.96649821325098e-12	0.252036465453883	1.06980253148005e-10
UCEC	BRDT	cg01515515	-0.11259379696886	431	-1.48177742146512	0.140239936834194	0.0126773631158648	0.30171881438527
UCEC	BRDT	cg02935097	-0.60501200097712	439	-9.9364431527039	1.1888156992821e-18	0.366039521326338	1.37623107901714e-16
UCEC	BRDT	cg03421440	-0.513276531385716	439	-7.82076381452035	5.16829512798704e-13	0.263452797671352	3.05518503941204e-11
UCEC	BRDT	cg06442199	-0.18859668916151	439	-2.51128772436162	0.0129565952936254	0.0355687111626831	0.0522062140297454
UCEC	BRDT	cg09250199	-0.439890590104818	439	-6.40533053866437	1.39978376500336e-09	0.193503731262765	4.50723419762713e-08
UCEC	BRDT	cg13299824	-0.45256462927922	439	-6.63658259565621	4.07295863159567e-10	0.204814743674638	1.44417385499706e-08
UCEC	BRDT	cg14732540	-0.340098394369194	549	-4.78426987809648	3.63077767059942e-06	0.115666917852504	5.36370524319429e-05
UCEC	BRDT	cg19245011	-0.0904660599566636	439	-1.18786804598133	0.236532688236725	0.00818410800408265	0.427896285112383
UCEC	BRPF1	cg04879506	-0.149362200462614	439	-1.97532229054596	0.0498408810078648	0.0223090669270342	0.143955134889725
UCEC	BRPF1	cg13694772	0.227584564218076	439	3.05625563131862	0.00260110653287667	0.0517947338703316	0.014682229111784
UCEC	BRPF1	cg14712964	0.0967364343883518	554	1.28573278457952	0.200235057321124	0.00935793773817188	0.383207536019624
UCEC	BRPF1	cg17738494	0.183583906531357	554	2.47057662008859	0.0144472997820024	0.0337030507373141	0.0567231876067979
UCEC	BRPF1	cg20952324	0.215932198836767	439	2.89190467410283	0.00432684182538893	0.0466267144944811	0.0221041721148087
UCEC	BRPF1	cg25467642	0.0195753375611208	439	0.25602981386796	0.798235552620943	0.000383193840631828	0.889804100304595
UCEC	BRPF1	cg26227975	-0.0586951812872704	439	-0.768864650925218	0.443034283157277	0.00344512430634554	0.635318789727686
UCEC	BRPF3	cg01499736	0.00452842091671932	439	0.0592173946260927	0.95284810174024	2.05065959989811e-05	0.975058078277081
UCEC	BRPF3	cg05882415	-0.0545664747311472	439	-0.714613921817964	0.47582205509649	0.00297750016458492	0.663573148704378
UCEC	BRPF3	cg10562781	0.0600313738273193	439	0.786430410380945	0.432703855835896	0.00360376584359536	0.626381908464788
UCEC	BRPF3	cg14654948	-0.0828154893376633	439	-1.08668592459543	0.278705060487667	0.00685840527423662	0.475629735122904
UCEC	BRPF3	cg18779695	0.0759800748115047	439	0.996448802011303	0.320440072252368	0.00577297176836185	0.519892280981892
UCEC	BRPF3	cg23517469	0.0280456504886065	439	0.3668887869904	0.714155581423144	0.000786558511329076	0.837345239585104
UCEC	BRWD3	cg03164831	-0.156562822480349	549	-2.09699155945443	0.0374315416214956	0.0245119173830132	0.116627256844867
UCEC	BRWD3	cg05835545	-0.0887200863631381	439	-1.1647587843611	0.245738977471596	0.00787125372428268	0.43869484876921
UCEC	BRWD3	cg09523186	-0.162251257515128	439	-2.15020180438397	0.0329441234019516	0.0263254705652402	0.105820022954351
UCEC	BRWD3	cg11957438	-0.217572528173321	427	-2.88927735314803	0.0043706439657951	0.0473378050157304	0.0222919946504371
UCEC	BRWD3	cg15511898	-0.169652481983997	439	-2.25112651612579	0.0256510533616054	0.0287819646433305	0.0878686941969498
UCEC	BRWD3	cg22618269	-0.170067800655964	439	-2.25680133110481	0.025286478160193	0.0289230568199568	0.0869490930867245
UCEC	BRWD3	cg25063710	-0.152381245733722	549	-2.03963367861826	0.0428902835744745	0.0232200440513608	0.128846413360854
UCEC	BRWD3	cg25708850	-0.236124438406469	432	-3.16827590419736	0.00181849152077667	0.0557547504127703	0.0109997456937486
UCEC	CARM1	cg12317676	0.171882891386452	554	2.30814819610709	0.0221606432219761	0.029543728351367	0.0786598833551973
UCEC	CARM1	cg17918830	-0.193063262266051	439	-2.57303808833433	0.0109299381077402	0.03727342323681	0.045711714701013
UCEC	CARM1	cg22378614	-0.0123919454846687	439	-0.162058157573019	0.871451386737198	0.000153560312895	0.931795167131695
UCEC	CARM1	cg26504915	-0.182560689496854	439	-2.4280959464743	0.0162149088147299	0.0333284053495666	0.0619493014050045
UCEC	CBX1	cg01544580	-0.00500908671069312	439	-0.0655031300870567	0.947849930357768	2.50909496752424e-05	0.972280541830163
UCEC	CBX1	cg01553295	0.256367533140415	439	3.46835510378373	0.000662551670599008	0.0657243120485017	0.00476099618165335
UCEC	CBX1	cg02835499	0.0458993885801601	439	0.600845639814414	0.548738377222587	0.00210675387203253	0.721886293061104
UCEC	CBX1	cg04864609	-0.19800185544295	439	-2.64150774304759	0.00901899221254124	0.039204734758851	0.0394133353040848
UCEC	CBX1	cg11729481	0.102148902103336	439	1.3427942200227	0.181118303370185	0.0104343982009169	0.358348820986804
UCEC	CBX1	cg12245530	0.0950848094732576	439	1.24905447351757	0.213352287182807	0.00904112099256571	0.399767036685276
UCEC	CBX1	cg13342109	0.143069659303625	439	1.89032505019731	0.0604061593759203	0.0204689274132553	0.165442781386085
UCEC	CBX1	cg17778721	0.189035818927361	554	2.54662396848841	0.0117387874359333	0.0357345408375379	0.0483288973419145
UCEC	CBX1	cg21511817	0.205162463803721	439	2.74115742942612	0.0067732089427474	0.0420916365540132	0.0315593565220466
UCEC	CBX4	cg04398978	0.0141467146499185	554	0.187162173437916	0.85175029527775	0.000200129535386219	0.920932070477238
UCEC	CBX4	cg04925705	0.282428180951866	439	3.84996578889425	0.000166702503192646	0.07976567739578	0.00148994192708739

UCEC	CBX4	cg05949524	-0.146325266992355	439	-1.93427061499032	0.0547306353082021	0.0214110837603839	0.154125431426833
UCEC	CBX4	cg07159673	0.206825613181815	439	2.76436748168162	0.00632902272906217	0.0427768342680339	0.0299179684747155
UCEC	CBX4	cg10756274	0.0459185194654746	439	0.601096601586202	0.548571609885024	0.00210851042990117	0.721736877325772
UCEC	CBX4	cg21365914	-0.114787782195937	439	-1.51103289961404	0.132625806135417	0.0131762349414619	0.290119405194188
UCEC	CBX4	cg22353329	0.130617953274155	439	1.72281108323211	0.0867305116207766	0.0170610497175294	0.215152333706409
UCEC	CBX4	cg27487227	0.0105387634340069	439	0.137819868127349	0.890544932438944	0.00011106553471796	0.942087065654309
UCEC	CBX5	cg03689456	-0.159552855428661	439	-2.11349954306687	0.0360087988568267	0.0254571136754393	0.113278680830926
UCEC	CBX5	cg05754589	0.00973064907247632	554	0.1287304823064	0.89771873932862	9.46855313716842e-05	0.945905264825489
UCEC	CBX5	cg06399839	-0.133579284112282	439	-1.76257174021864	0.0797592584584133	0.0178434251439496	0.202631911188851
UCEC	CBX5	cg06621757	0.0878928630091254	439	1.15381365860727	0.250186659032492	0.00772515536794088	0.443854525718898
UCEC	CBX5	cg08288469	0.0834063759847114	439	1.09449352629474	0.275277855734099	0.00695662355490304	0.471778408287331
UCEC	CBX5	cg09060496	-0.110044418357146	439	-1.44781052739463	0.149500988218531	0.0121097740115626	0.314978872209738
UCEC	CBX5	cg09158487	-0.128414011355249	439	-1.69325011067891	0.092228770229365	0.0164901583123459	0.224726049608129
UCEC	CBX5	cg09653879	-0.076789366501466	439	-1.00712496568608	0.315297709292029	0.00589660680769647	0.514473661519299
UCEC	CBX5	cg11005091	-0.182240230011797	554	-2.45187057471793	0.0151934066435459	0.0332115014347526	0.0589680640804235
UCEC	CBX5	cg11338003	-0.0188611071162136	439	-0.245962503163074	0.806007972026919	0.000355741361649282	0.894766958857573
UCEC	CBX5	cg12263485	0.0575397431873531	554	0.762442456955139	0.446822412829862	0.00331082204606655	0.638525793180501
UCEC	CBX5	cg12600134	0.00833174469139822	439	0.108955481199332	0.913365550053114	6.94179696026425e-05	0.954223703058324
UCEC	CBX5	cg13445218	-0.0816714529927184	439	-1.07157262592184	0.285422073650201	0.00667022623394181	0.482670086711794
UCEC	CBX5	cg14017196	-0.14189031985796	439	-1.87442136879552	0.0625778593081573	0.0201328628693942	0.169776870580274
UCEC	CBX5	cg14394617	0.0641366064675178	439	0.840425286291957	0.401843550138285	0.00411350428916925	0.598416231261391
UCEC	CBX5	cg15708001	-0.0912011136611621	439	-1.197600320024	0.232730074800118	0.00831764313303621	0.423469229522392
UCEC	CBX5	cg20545544	-0.124328502951165	439	-1.63851922849385	0.103152074122088	0.0154575766460778	0.243496825062696
UCEC	CBX5	cg20927027	-0.00020564498274606	439	-0.0026891571509708	0.997857500211411	4.22898589286305e-08	0.99891225706809
UCEC	CBX5	cg21826008	0.0701049118315282	439	0.919001768305113	0.359389143874282	0.00491469866290634	0.558340037915003
UCEC	CBX5	cg24505978	0.0174686439033718	439	0.228467021784141	0.819556175466276	0.000305153519822808	0.902837788343157
UCEC	CBX5	cg25817259	-0.0256358406957422	439	-0.335342327760126	0.737777909447568	0.000657196328177472	0.852392999405237
UCEC	CBX6	cg03028106	-0.0767858541621233	432	-0.995230230385803	0.3210641471752	0.00589606739940687	0.520503152280822
UCEC	CBX6	cg04134624	0.0808509917055271	554	1.07307110705622	0.284716685666865	0.00653688285976721	0.481976930579221
UCEC	CBX6	cg04215348	-0.0585445453718137	439	-0.766884633628251	0.444207585705232	0.00342746379279235	0.636173071824875
UCEC	CBX6	cg04801716	0.0627964515450799	439	0.822794062116208	0.411771025234988	0.00394339432665357	0.607404815069413
UCEC	CBX6	cg06060673	0.0688971250763283	439	0.903092773407123	0.367747058656633	0.00474681384378323	0.566656559243985
UCEC	CBX6	cg09913544	-0.00051809585682413	439	-0.0067749833581723	0.994602284097831	2.68423316858332e-07	0.997161503879056
UCEC	CBX6	cg14498989	-0.0617148781342215	439	-0.808568027383071	0.41988715740187	0.00380872618312181	0.615212383895303
UCEC	CBX6	cg24649346	-0.0401137673066148	554	-0.531082720650134	0.596034845917787	0.00160911432752924	0.75726241288446
UCEC	CBX6	cg25836955	0.00731705458917907	439	0.0956854660559475	0.923882425630648	5.35392878610264e-05	0.959938420497791
UCEC	CBX7	cg00545295	0.0264941357920256	439	0.346577441046082	0.729334897460515	0.000701939231366293	0.846911561679724
UCEC	CBX7	cg01525244	-0.0615242773013432	439	-0.806061334861666	0.421327022756587	0.00378523669745257	0.616470995812476
UCEC	CBX7	cg02523424	-0.08558193688454	439	-1.12325009492563	0.262905801035546	0.00732426792090939	0.458279188002967
UCEC	CBX7	cg03804568	-0.168282479496308	554	-2.25837506328895	0.0251570869345567	0.0283189929054252	0.0866343701189422
UCEC	CBX7	cg10339854	-0.150717611146805	439	-1.99366239919206	0.0477787907551487	0.0227157983097995	0.139565306698935
UCEC	CBX7	cg22268271	-0.0709602466181682	439	-0.930270710234092	0.35354235992221	0.00503535660011126	0.552600396772988
UCEC	CBX7	cg26672614	-0.0642369068174343	439	-0.84174503105862	0.401106324814136	0.00412638019747174	0.597691218277068
UCEC	CBX7	cg27062573	-0.0182572911056056	439	-0.238784860974411	0.81155833904304	0.000333328678514824	0.898450174199944
UCEC	CDYL2	cg01442398	-0.204315353045123	439	-2.71333710672139	0.00735100443892582	0.0417447634899534	0.0336509379382015
UCEC	CDYL2	cg02461391	-0.205863705508013	437	-2.74288507895176	0.00674310325395121	0.0423798652454897	0.0314454486595061
UCEC	CDYL2	cg06919916	-0.0811610703623482	439	-1.0648315924662	0.288453405527781	0.00658711934236204	0.48595500421483
UCEC	CDYL2	cg10112854	0.295518239380052	439	4.04506684990848	7.90427173674751e-05	0.0873310298062855	0.000786625195712596
UCEC	CECR2	cg03927893	-0.303274096698467	439	-4.1618316887346	4.99263125671873e-05	0.0919751777282713	0.000529295115815177
UCEC	CECR2	cg12632097	-0.118114164070184	439	-1.55543109798063	0.121692263912477	0.0139509557539983	0.273302577407178
UCEC	CECR2	cg13466481	-0.0864950053279712	439	-1.13532383294444	0.257828461250619	0.00748138594668576	0.452295749662442
UCEC	CECR2	cg26796679	-0.078484843512084	439	-1.02949819026323	0.304699593811871	0.00615987066111632	0.503220904128984
UCEC	CHAF1A	cg03006338	0.122345335377548	439	1.61198273245468	0.108809830637662	0.0149683810886446	0.252954222968075
UCEC	CHAF1A	cg04346879	-0.160301483515567	439	-2.1236770807007	0.0351353196942399	0.0256965656172916	0.111169197555363
UCEC	CHAF1A	cg05297461	0.211209342012247	439	2.82566513903708	0.00528018325613995	0.0446093861532463	0.025893001527241
UCEC	CHAF1A	cg07783855	0.301846993994971	439	4.14027923010574	5.4383812757471e-05	0.0911116077837999	0.000570772197752499
UCEC	CHAF1A	cg09700233	0.0863777240641575	439	1.13377283205568	0.258476832263618	0.00746111121450374	0.453095984342052

UCEC	CHAF1A	cg18804734	0.0958789278369569	439	1.25958256437364	0.209536463916553	0.00919276880316439	0.395005202072462
UCEC	CHAF1A	cg23811775	0.122538143734855	439	1.61456180917758	0.108249312707496	0.0150155966699839	0.252126777644366
UCEC	CHAF1A	cg24085258	-0.0153716430716801	554	-0.203371752562479	0.839080758558732	0.00023628741072313	0.913883763076869
UCEC	CHAF1B	cg00660452	-0.0817405356631885	439	-1.07248512134365	0.285013415087107	0.006681515170505	0.482179285648665
UCEC	CHAF1B	cg02544117	-0.0915255442000178	439	-1.20189647919456	0.231065464053134	0.0083769252411094	0.421514989108912
UCEC	CHAF1B	cg02908490	-0.164907842910828	439	-2.18638369032471	0.0301460593909449	0.0271945966535024	0.0990698945699211
UCEC	CHAF1B	cg04634639	-0.0893810512083112	439	-1.17350586174143	0.242224929931903	0.00798897231510274	0.434599490956485
UCEC	CHAF1B	cg07872789	-0.205985396723645	439	-2.75263874184142	0.00655006698105425	0.0424299836633973	0.0307313135953281
UCEC	CHAF1B	cg13854874	-0.159257614460898	554	-2.1340165367357	0.0342339602218312	0.025362987763776	0.108968768473696
UCEC	CHAF1B	cg25942896	-0.146351151520773	439	-1.93462027051534	0.0546873414665914	0.0214186595514562	0.154048124055908
UCEC	CHD1	cg03255775	0.0835359847748096	439	1.09620624988063	0.274529940271218	0.00697826075229722	0.470996311849236
UCEC	CHD1	cg03833628	-0.113140361862291	439	-1.48906346595668	0.13831263718732	0.0128007414823302	0.298687426847135
UCEC	CHD1	cg08865521	0.0492564095579469	439	0.64489392869738	0.519860170526692	0.0024261938825402	0.700291028508742
UCEC	CHD1	cg11365324	-0.00345744710981377	439	-0.0452122578960734	0.963990878753556	1.19539405171596e-05	0.981085403395783
UCEC	CHD1	cg12662497	-0.154865086220878	439	-2.0498539831591	0.0419056524468025	0.0239831949301999	0.126661291726107
UCEC	CHD1	cg16890600	0.0317536791239253	439	0.415442732634032	0.678338659724984	0.00100829613790521	0.814312317261311
UCEC	CHD1	cg21082921	-0.226909287258325	439	-3.04669424251148	0.00268081229045221	0.0514878246440812	0.0150524078905406
UCEC	CHD4	cg00079216	-0.0130786171696876	439	-0.171039740510591	0.864394737890681	0.000171050227071247	0.927979230804612
UCEC	CHD4	cg00824109	-0.120377008695287	554	-1.60410277935045	0.110494613780684	0.0144906242224251	0.25583032641613
UCEC	CHD4	cg04344119	0.183178249191636	439	2.43659429688454	0.0158516000603281	0.0335542709769132	0.060884732650003
UCEC	CHD4	cg05147525	-0.116816317554027	439	-1.53810212891891	0.125871983942974	0.0136460520468833	0.279717916955458
UCEC	CHD4	cg11565429	0.0838250248145576	439	1.1000259897486	0.272866975499151	0.0070266347851612	0.469155582636718
UCEC	CHD4	cg19509514	-0.182863285164405	439	-2.43225964786333	0.0160359961586267	0.0334389810611186	0.0613989706252684
UCEC	CHD4	cg20308811	-0.15129159823975	439	-2.00143249919949	0.0469272199804216	0.0228891476979379	0.137755411160217
UCEC	CHRA1	cg00296189	-0.282470047968347	439	-3.85058598751859	0.000166314691561951	0.0797893279992402	0.00148709779812079
UCEC	CHRA1	cg07270064	-0.216485497854333	439	-2.89967868604362	0.00422594217271132	0.0468659707812383	0.0216927050731708
UCEC	CHRA1	cg08877624	-0.0914050085174236	439	-1.20030028213496	0.231682935261532	0.00835487558207028	0.422195883479402
UCEC	CHRA1	cg12002314	0.150854257049619	554	2.01871640378535	0.0450432658450387	0.0227570068699925	0.13367268723388
UCEC	CHRA1	cg18770186	0.083747213519658	439	1.09899766563247	0.273313982152466	0.00701359577230719	0.469675014967285
UCEC	CHRA1	cg19486048	0.255029243867554	439	3.4489865698784	0.000708578791826031	0.0650399152276564	0.00503730042322163
UCEC	CHRA1	cg22610305	0.0825618168387553	554	1.09593174663862	0.274614545208732	0.00681645359971618	0.471046323946995
UCEC	CHRA1	cg23548819	-0.119513815698058	439	-1.57412844125883	0.117306100485969	0.0142835521427095	0.266592000853188
UCEC	CLOCK	cg05960024	-0.00776582013631828	554	-0.102735241959042	0.918290731627713	6.03079623896465e-05	0.956973247886281
UCEC	CLOCK	cg06085476	-0.190695242102564	439	-2.54027981122139	0.011966640491173	0.0363646753605556	0.0490335407584586
UCEC	CLOCK	cg07236904	0.104562808477106	439	1.3748728071839	0.170969695153145	0.01093338091662	0.344972544799475
UCEC	CLOCK	cg07500410	0.0277799877125938	439	0.363410731407815	0.716746956665379	0.000771727717311861	0.839017902505778
UCEC	CLOCK	cg11774413	0.0583302895061522	439	0.764068461380933	0.445879448407283	0.00340242267387152	0.637788140503
UCEC	CLOCK	cg18928811	-0.0953282903143597	439	-1.25228218443538	0.212177088825383	0.00908748293425884	0.398351782220337
UCEC	CLOCK	cg22523077	0.109713130296331	439	1.44339871748734	0.150737638048586	0.0120369709594198	0.316726550733355
UCEC	CLOCK	cg23506964	0.110397366291455	439	1.45251132234023	0.148191943675474	0.0121875784840896	0.313145295838376
UCEC	CREBBP	cg00039463	-0.0922140079384823	439	-1.21101450236503	0.227560866049439	0.00850342326007848	0.417274484701238
UCEC	CREBBP	cg00747661	0.0891327355744705	439	1.17021951936184	0.243540978888389	0.00794464455098848	0.436208854476899
UCEC	CREBBP	cg03039399	-0.0622963441610664	439	-0.816215744964388	0.415512308702616	0.00388083449583404	0.611115902431492
UCEC	CREBBP	cg03264209	-0.113000153439864	554	-1.50448780943273	0.134258463856925	0.0127690346774328	0.292541595682867
UCEC	CREBBP	cg08506924	0.107838807396667	439	1.41844721907565	0.157880167309236	0.0116292083807355	0.326814789768007
UCEC	CREBBP	cg24567591	-0.0971623355376572	439	-1.27660259039795	0.203473538699803	0.00944051944713229	0.387311531258877
UCEC	CTCF	cg01866162	-0.183233317419378	554	-2.46569450317356	0.0146388169095271	0.0335744486125105	0.0572843120050176
UCEC	CTCF	cg04487155	-0.0218163580711946	439	-0.28535381609827	0.775718423562883	0.000475953479490579	0.875820795090112
UCEC	CTCF	cg06241380	-0.125700115648359	439	-1.6568842384579	0.0993765296458638	0.0158005190740108	0.237179761343805
UCEC	CTCF	cg07967402	0.0566369986782338	439	0.741815596121561	0.459216709786382	0.00320774961927826	0.649119809905406
UCEC	CTCF	cg08324636	0.174471018995007	439	2.31704270527388	0.0216868028562102	0.030440136469156	0.0774674368265446
UCEC	CTCF	cg10218542	-0.161022615308263	439	-2.13348436497678	0.0343109407638285	0.0259282826407129	0.109146813567012
UCEC	CTCF	cg10481400	0.0289865914086755	439	0.379208211114385	0.705003719180946	0.000840222481493501	0.831604843636347
UCEC	CTCF	cg23858565	-0.150054694585432	554	-2.00776960033419	0.0462061843387981	0.0225164113671273	0.136205212449437
UCEC	CXXC1	cg02159718	-0.085356939010491	439	-1.12027532941741	0.264167392462418	0.00728580703724068	0.459685864181481
UCEC	CXXC1	cg07675399	0.178842392324627	439	2.37699020940592	0.0185594160156127	0.0319846012923959	0.0687103797419967
UCEC	CXXC1	cg11871295	-0.083324289481003	439	-1.09340881791549	0.275752253250757	0.00694293721751399	0.472175356343313

UCEC	CXXC1	cg13423076	-0.161874162391545	554	-2.17001330635676	0.0313537459134832	0.0262032444499643	0.102038709404012
UCEC	CXXC1	cg15632775	-0.103992234392853	439	-1.36728820933574	0.173329549182021	0.0108143848140182	0.348270276299486
UCEC	CXXC1	cg20016845	0.00518858025384949	554	0.068639388985173	0.945355029555246	2.69213650506368e-05	0.97078712140584
UCEC	CXXC1	cg27419474	0.0807765808591358	439	1.05975388786025	0.290751173086118	0.0065248560152925	0.488338547569963
UCEC	DAXX	cg00221327	-0.0113355995827258	439	-0.14824172366337	0.882326666762924	0.000128495817899893	0.937534600605834
UCEC	DAXX	cg02173004	-0.0608002902699349	439	-0.79654060220964	0.42682237583564	0.00369667529690834	0.621278321746801
UCEC	DAXX	cg02328295	0.171922356005344	439	2.28215669267165	0.0237122570054516	0.0295572964944281	0.0828618866895203
UCEC	DAXX	cg03085224	-0.169192225960798	439	-2.24483913039859	0.0260603309876822	0.0286260093255698	0.0888910154275333
UCEC	DAXX	cg03369465	-0.00316328050475214	439	-0.041365467109916	0.967052800835388	1.0006343551745e-05	0.982691174933228
UCEC	DAXX	cg03382121	0.0398083185618779	439	0.520974271383281	0.603058675917991	0.00158470222672395	0.76218824805073
UCEC	DAXX	cg03902329	-0.102496344388313	439	-1.34740991640411	0.17963087274174	0.0105055006129677	0.356584860906655
UCEC	DAXX	cg04086445	-0.089449156062901	439	-1.17440723646145	0.241864848870684	0.00800115152036521	0.434196370777479
UCEC	DAXX	cg04152866	0.00164491684628331	439	0.0215101080109522	0.982863819115536	2.70575143118663e-06	0.991114283694631
UCEC	DAXX	cg04271391	-0.112511034052666	439	-1.48067426007993	0.140533552196007	0.0126587327836002	0.302115874748837
UCEC	DAXX	cg04488476	-0.137502961474012	439	-1.81532769260115	0.0712255615346619	0.0189070644141235	0.186707596253917
UCEC	DAXX	cg04973788	-0.101404262564657	439	-1.33290351354945	0.184336658965933	0.0102828244662819	0.362782164914238
UCEC	DAXX	cg05431670	0.0619641327679384	439	0.811846241144623	0.418008532539584	0.0038395537496827	0.61340719786438
UCEC	DAXX	cg05532204	-0.181816883702436	439	-2.41786424633378	0.0166620990368676	0.0330573791992652	0.0632421610301561
UCEC	DAXX	cg06171013	-0.00504613997905482	439	-0.0659876828159568	0.947464716338496	2.54635286882154e-05	0.972016908344261
UCEC	DAXX	cg07689821	-0.13534568178519	554	-1.80708306043925	0.0724669702653044	0.0183184535778978	0.189063501402478
UCEC	DAXX	cg08375286	0.0184161694625046	439	0.240863513374614	0.809949447973605	0.000339155297671689	0.897347730731703
UCEC	DAXX	cg08567382	-0.115209407737848	439	-1.51665757622095	0.131199622439348	0.0132732076313057	0.287946268353176
UCEC	DAXX	cg09097215	-0.00368139345673682	439	-0.0481407923669305	0.961660215900124	1.35526577833047e-05	0.979897609896988
UCEC	DAXX	cg09432361	0.198300131854812	439	2.64564974929772	0.0089136810952216	0.0393229422936358	0.0390548576082563
UCEC	DAXX	cg09615909	-0.262234561825297	439	-3.55352028003927	0.000491494859243404	0.0687669654157053	0.00369566509568736
UCEC	DAXX	cg11111423	-0.33906654502965	439	-4.7130608672968	5.035422914511e-06	0.114966121958343	7.16658781945606e-05
UCEC	DAXX	cg12025215	0.0688410973754786	439	0.902354872633783	0.368137661601633	0.00473909668786012	0.567005904821664
UCEC	DAXX	cg12832355	-0.210071056714639	439	-2.80973153104571	0.00553639287822042	0.0441298488692052	0.0269051816322014
UCEC	DAXX	cg12923297	-0.111405299722862	439	-1.46593871824556	0.144501413971485	0.0124111408063408	0.307863915169461
UCEC	DAXX	cg13443893	-0.0959905094731218	439	-1.26106206129588	0.209004252454239	0.00921417790890949	0.394298108822996
UCEC	DAXX	cg13826470	0.0655867170971283	439	0.859508245753824	0.391263506487435	0.00430161745957874	0.588426109319754
UCEC	DAXX	cg14539675	-0.0605390268901785	439	-0.793105189998193	0.428815592884224	0.00366497377680975	0.622979013834977
UCEC	DAXX	cg14622330	0.0288713190942154	439	0.377698935765552	0.706122650469976	0.000833553066240007	0.832430754215204
UCEC	DAXX	cg14746369	0.0973726693608102	439	1.27939256199968	0.202492102504254	0.00948143673844966	0.386132724341012
UCEC	DAXX	cg14910283	-0.216156733528614	439	-2.89505909892434	0.00428563751492194	0.0467237334497604	0.0219485551696423
UCEC	DAXX	cg16922466	0.00436522578991162	439	0.0570832781210097	0.954545503358522	1.90551961969095e-05	0.97587080306296
UCEC	DAXX	cg17079757	0.0274841855867312	439	0.359538182266251	0.719636129516075	0.000755380457365885	0.840906842802456
UCEC	DAXX	cg17504991	-0.0727777746083726	439	-0.954223321435348	0.341317567934599	0.00529660447694708	0.540508924468644
UCEC	DAXX	cg18187593	-0.167119919111589	439	-2.21654878107167	0.0279731301722779	0.0279290673638639	0.093730528863427
UCEC	DAXX	cg18279148	-0.241505451661144	439	-3.25442634333606	0.00136952825248454	0.0583248831820533	0.00872143753059775
UCEC	DAXX	cg18486541	-0.00624136644381923	439	-0.0816180465115488	0.935045902293775	3.89546550860327e-05	0.965445053796877
UCEC	DAXX	cg18944910	-0.298015748294518	439	-4.08256966439997	6.82694480328736e-05	0.0888133862315416	0.000694696329662442
UCEC	DAXX	cg18967278	-0.0913506410493011	439	-1.19958033687226	0.231961824602544	0.00834493962011826	0.42258531645193
UCEC	DAXX	cg20223162	-0.217697960005031	439	-2.91672439470574	0.00401219770841028	0.0473924017903519	0.020788924239248
UCEC	DAXX	cg20763184	-0.0297484619904323	439	-0.38918386495814	0.697624352939999	0.000884970990796198	0.826633800627759
UCEC	DAXX	cg21286626	0.0969348922071323	439	1.27358586415487	0.204538667041406	0.00939637332720836	0.388710921666744
UCEC	DAXX	cg24328964	-0.188378266663177	439	-2.50827221504358	0.0130636467231529	0.035486371351023	0.0525260147395576
UCEC	DAXX	cg24496586	-0.148282872156167	439	-1.96072601343718	0.0515353776360764	0.021987810174882	0.147540410500992
UCEC	DAXX	cg24513883	-0.305145324008201	439	-4.19013819236228	4.4600346751402e-05	0.0931136687640699	0.000480759231699954
UCEC	DAXX	cg24728112	-0.303695162099872	439	-4.16819660507437	4.86781918702621e-05	0.0922307514828678	0.000518039843824237
UCEC	DAXX	cg25642825	-0.150056968997032	439	-1.98472179749059	0.0487748203823746	0.0225170939445763	0.141641643853253
UCEC	DAXX	cg26521092	0.178981449840556	439	2.37889956080763	0.0184667103247458	0.0320343593870274	0.0684560606848704
UCEC	DAXX	cg27052777	-0.288587757396988	439	-3.94147059362091	0.000117871505737264	0.0832828937194229	0.00110972962814047
UCEC	DAXX	cg27393652	-0.042287757449063	439	-0.553479286142251	0.580658205693212	0.00178825443007078	0.746417508226142
UCEC	DIDO1	cg00080059	-0.0157870972638857	439	-0.206468815722088	0.83667035159802	0.000249232440019387	0.912528682437456
UCEC	DIDO1	cg01488865	-0.0266951185791429	439	-0.349208422779345	0.727362487018638	0.0007126293559545	0.845774962611052
UCEC	DIDO1	cg06646488	-0.00072609617377173	439	-0.0094949420372289	0.992435314346436	5.27215653565946e-07	0.995994541053029

UCEC	DIDO1	cg08610063	0.0581731102048069	439	0.762002569061621	0.447108192024061	0.00338411075090061	0.638758832209792
UCEC	DIDO1	cg13815390	0.0276523721763389	439	0.361740016964933	0.717992919350717	0.000764653686978759	0.839819290140728
UCEC	DIDO1	cg20969846	-0.17188122251503	554	-2.30812510324548	0.0221619575208784	0.0295431546532614	0.0786598833551973
UCEC	DIDO1	cg21212389	-0.00138937140254655	439	-0.0181684061519635	0.985525688006551	1.93035289421416e-06	0.992440135825371
UCEC	DIDO1	cg21687703	0.0729387907481945	439	0.956345758129765	0.340247652986285	0.0053200671958089	0.539466504854678
UCEC	DIDO1	cg22394521	-0.106414989103819	439	-1.39950320411051	0.163473583734238	0.0113241499059659	0.334517470556129
UCEC	DMAP1	cg01604592	-0.100767225068055	439	-1.3244438330149	0.18712309482091	0.0101540336479161	0.366325784853235
UCEC	DMAP1	cg11683482	-0.0452339677428374	439	-0.592116961566497	0.554554356556773	0.00204611183776005	0.726218989022769
UCEC	DMAP1	cg15990015	0.049189412804077	554	0.651503432746461	0.515576215095046	0.00241959833200989	0.696876658450248
UCEC	DMAP1	cg18017761	0.0348449039999858	439	0.455933119318353	0.649016551452284	0.00121416733476823	0.79467370116753
UCEC	DMAP1	cg18167340	-0.0166997940075391	439	-0.218408600730078	0.827371201554371	0.00027888311989424	0.907284687220207
UCEC	DMAP1	cg21437596	-0.0642082738107903	439	-0.84136827741263	0.401316700332918	0.00412270242576142	0.597895402611743
UCEC	DMAP1	cg23021241	-0.0977282591282512	439	-1.28410967393562	0.200840673239646	0.00955081263223861	0.38393412787824
UCEC	DMAP1	cg23451311	-0.089958811988938	554	-1.19488791294226	0.233747685575884	0.00809258785446109	0.42465245622628
UCEC	DMAP1	cg24485408	-0.200941285586872	439	-2.68235959133373	0.00802766518712634	0.0403774002533048	0.0360259329765809
UCEC	DNMT1	cg04160663	-0.176451288148156	439	-2.34418167948746	0.0202178083040581	0.0311350570891436	0.073424404986037
UCEC	DNMT1	cg04762346	-0.198510050088527	554	-2.67936353624641	0.00808007773101861	0.0394062399861493	0.0362065299813871
UCEC	DNMT1	cg06128182	0.0809918915342399	439	1.06259729810432	0.289462944651241	0.00655968649429408	0.486970293590214
UCEC	DNMT1	cg06716436	0.34469293755551	554	4.85755160758107	2.62543276837819e-06	0.118813221200647	4.0213214566492e-05
UCEC	DNMT1	cg10635912	0.172956666185353	439	2.29630855625639	0.02287146379369	0.0299140083779518	0.0805825477520977
UCEC	DNMT1	cg11380607	0.32402903372068	439	4.47887771428079	1.3678579316073e-05	0.104994814693957	0.000172074935206109
UCEC	DNMT1	cg13393778	-0.19603989506996	439	-2.61428201017819	0.00973955032153669	0.0384316404590409	0.0417269841234511
UCEC	DNMT1	cg15043801	0.318295422946497	554	4.44165621280165	1.57829683722721e-05	0.10131197626869	0.000194830250960415
UCEC	DNMT1	cg21893394	0.185439723141162	439	2.46774041518431	0.0145810610251181	0.0343878909186708	0.0570956390692121
UCEC	DNMT1	cg23401624	0.0171579253102665	439	0.224402021305547	0.822712403078497	0.000294394400952683	0.904636846198569
UCEC	DNMT1	cg24477899	-0.0162348268154631	439	-0.212325891532798	0.832105679155793	0.000263569601728081	0.90994854024158
UCEC	DNMT1	cg27429799	0.0981209746128617	439	1.28931985790829	0.199028169437982	0.00962772565897785	0.381727706707364
UCEC	DNMT3A	cg02208653	0.019924244338977	439	0.2605950328578	0.794718367014582	0.000396975512479259	0.887606080844577
UCEC	DNMT3A	cg03463641	0.192139937975889	439	2.56025965930641	0.0113243578552082	0.0369177557653786	0.0469799005433054
UCEC	DNMT3A	cg06112956	0.0324363548727563	439	0.424383688385332	0.671819451229967	0.00105211711743138	0.809957832748074
UCEC	DNMT3A	cg07150430	0.0436759837003647	439	0.57168312686646	0.568287357576538	0.00190759155219453	0.736834725500578
UCEC	DNMT3A	cg12066181	-0.00930703956012144	554	-0.123125893350195	0.902148699556535	8.66209853736654e-05	0.948281470876085
UCEC	DNMT3A	cg13076778	0.0819521019422456	439	1.07527974337506	0.283764335679148	0.00671614701275221	0.481013721696634
UCEC	DNMT3A	cg13344237	0.011883807258986	439	0.155411919121206	0.876679888486064	0.000141224874968728	0.934739114126324
UCEC	DNMT3A	cg15990840	-0.255196611353808	439	-3.45140765071888	0.000702665708121361	0.0651253104464665	0.00500303643580388
UCEC	DNMT3A	cg15998962	-0.125565153520807	439	-1.65507675617569	0.0997431125539989	0.0157666077787037	0.237836496491212
UCEC	DNMT3A	cg21629895	-0.155196179621659	554	-2.07823303540721	0.0391472145170422	0.0240858541691582	0.120562882269944
UCEC	DNMT3A	cg21708767	-0.128265788359721	439	-1.69126295005179	0.0926082860682017	0.0164521124635408	0.225457315078737
UCEC	DNMT3A	cg22731525	-0.0468872565872209	439	-0.613805510404713	0.540159533982357	0.00219841483027589	0.715448700854888
UCEC	DNMT3A	cg25044635	-0.0953023142691409	439	-1.25193782143154	0.2123022449151	0.0090825311050541	0.39852904881341
UCEC	DNMT3A	cg26470599	-0.157781664265747	439	-2.08943520602747	0.0381486944887359	0.0248950535784688	0.118240647677859
UCEC	DNMT3A	cg26995204	-0.0154096092712997	439	-0.201530717484579	0.840523146694193	0.000237456057894124	0.914576651149424
UCEC	DNMT3B	cg00300969	0.130484493226185	439	1.72102027960498	0.0870558222646907	0.0170262029724942	0.215673040109132
UCEC	DNMT3B	cg13636640	-0.110627685994363	439	-1.45557917291559	0.14734240501973	0.0122384849084674	0.312053660462401
UCEC	DNMT3B	cg14224313	0.107230231245536	439	1.41034899184614	0.16025309340988	0.0114983224929711	0.33006960944475
UCEC	DNMT3B	cg16523653	0.27158007166997	554	3.73296705420667	0.000255678993305932	0.0737557353282663	0.00213277842646812
UCEC	DNMT3B	cg16953106	0.108002627497138	439	1.420627422260915	0.157245938400903	0.0116645675462856	0.325929620909087
UCEC	DNMT3B	cg17475857	0.0656664301471711	439	0.860557399658806	0.390686820899473	0.0043120800482733	0.587908206376648
UCEC	DNMT3B	cg17721173	0.0546939550352637	439	0.716288433786285	0.474790341597652	0.00299142871739945	0.662609472655718
UCEC	DNMT3B	cg22605822	-0.0303282337898423	439	-0.396775638124168	0.692027655028802	0.000919801764811335	0.823166939416374
UCEC	DNMT3B	cg24403338	0.0184058030984079	439	0.240727886620962	0.810054399379241	0.000338773587697364	0.897412203079557
UCEC	DNMT3B	cg25803642	0.00427019439701445	439	0.0558405466538041	0.955534024821144	1.82345601882936e-05	0.976331285392159
UCEC	DNMT3L	cg09247319	-0.0981306034465422	439	-1.28944761195078	0.198983878702793	0.00962961533278253	0.381711954376747
UCEC	DNMT3L	cg15635600	0.0242065840555238	439	0.316634942093883	0.751906826792012	0.00058595871163714	0.861105248249702
UCEC	DNMT3L	cg27187798	-0.0204442214553377	439	-0.267398773573371	0.789484378522054	0.000417966190914891	0.884143168286734
UCEC	DPF1	cg06168449	-0.213474585090772	554	-2.89063648374785	0.00433176762758989	0.0455713984796771	0.0221249525854618
UCEC	DPF1	cg06615189	0.158404746143069	439	2.09789835347104	0.0373839991764401	0.0250920636006502	0.116516831854036

UCEC	DPF1	cg07480327	-0.138178257641286	43%	-1.81371564274917	0.0714954270220693	0.0190932308847817	0.187213142473825
UCEC	DPF1	cg08057062	-0.0587255486898923	43%	-0.769263818302611	0.44279796443309	0.00344869006892891	0.635128558012072
UCEC	DPF1	cg13322582	-0.0190587232513315	43%	-0.249270421910588	0.8034507718311104	0.000363234931970842	0.892934788762949
UCEC	DPF1	cg13917712	-0.110108516572892	43%	-1.44866418873714	0.149262607424045	0.0121238854218829	0.314706758867826
UCEC	DPF1	cg17121541	-0.0942525500185456	43%	-1.23802330609466	0.217404461235104	0.00888354318499845	0.404887840398368
UCEC	DPF1	cg22145401	-0.0717446955860076	43%	-0.940607551825515	0.348232842765621	0.0051473013447289	0.547458284902367
UCEC	DPF1	cg27400772	-0.0768981524400006	52%	-0.978625927145212	0.329233058053644	0.00591332584868557	0.528915753513838
UCEC	DPF2	cg02186298	0.203215633486147	55%	2.74557938004337	0.00667136222602229	0.041296593693176	0.0311763052208313
UCEC	DPF2	cg14699126	-0.0191800349354363	43%	-0.250857648266478	0.802225342169068	0.000367873740124556	0.892082653430636
UCEC	DPF2	cg15918224	0.0452830551781964	43%	0.592760840380866	0.554124298634971	0.00205055508627158	0.725918378126635
UCEC	DPF2	cg15929437	-0.219591609905254	43%	-2.94337515027357	0.00369778123451324	0.0482204751407815	0.01946840778003
UCEC	DPF2	cg18224556	-0.0227414854222172	43%	-0.297460439867314	0.766476065778113	0.000517175159208919	0.870559605523813
UCEC	DPF2	cg19517014	-0.0650047032264555	43%	-0.851848492356223	0.395489601077867	0.00422561144155956	0.592214313717501
UCEC	DPF3	cg00888802	-0.0848337045992857	43%	-1.11335815447065	0.267117213354379	0.00719675743603886	0.462819138414899
UCEC	DPF3	cg05151458	-0.0611741177459865	43%	-0.80145643154128	0.423979720358925	0.00374227268199982	0.618982065938561
UCEC	DPF3	cg07171024	0.0966300309307344	43%	1.26954261005642	0.205972644132174	0.00933736287767469	0.390358504132195
UCEC	DPF3	cg10266394	-0.107743270606875	43%	-1.41717581951521	0.158250923212532	0.0116086123610662	0.327358532198679
UCEC	DPF3	cg12913429	0.0845103834458873	43%	1.10908430305038	0.268951172064214	0.0071420049101709	0.464847533427316
UCEC	DPF3	cg13819165	0.105642663193002	43%	1.38923099732833	0.166568915262081	0.01116037228651	0.339065394821632
UCEC	DPF3	cg14238615	-0.113265455118579	43%	-1.49073122792222	0.137874390945872	0.0128290633232189	0.298096227710268
UCEC	DPF3	cg14242696	-0.056351148999068	43%	-0.738059659784629	0.461489865724723	0.00317545199351516	0.651090725683516
UCEC	DPF3	cg15392845	0.0249602596831878	43%	0.326499471499663	0.744445754943105	0.000623014563452171	0.856441239556409
UCEC	DPF3	cg15740492	0.104804354678671	43%	1.37808407553346	0.169977894449337	0.0109839527596126	0.343648702934271
UCEC	DPF3	cg16696021	-0.0930980103873439	43%	-1.22272481336566	0.223116178718575	0.008667239538082	0.411861993859782
UCEC	DPF3	cg19710444	-0.042271860031805	43%	-0.553270841769039	0.580800592769255	0.00178691015054852	0.746490017907569
UCEC	DPF3	cg19839347	-0.0972124268293105	43%	-1.27726701032425	0.203239497499271	0.00945025593004404	0.387077081782804
UCEC	DPF3	cg20548765	-0.0354732014714335	43%	-0.464164433381873	0.643120312723131	0.00125834802263291	0.790564930204365
UCEC	DPF3	cg21035356	-0.0247201999594911	43%	-0.323357375513297	0.74681970396617	0.000611088286037224	0.857811760316905
UCEC	DPF3	cg22784589	-0.120602204320937	43%	-1.58867433064918	0.113981169176823	0.014544891687069	0.261328807327318
UCEC	DPF3	cg23515460	0.0258829468298653	43%	0.338576878663438	0.735343869412756	0.000669926936597634	0.850750895690069
UCEC	DPF3	cg24383902	-0.0869398128013147	43%	-1.1412066783576	0.255379579412424	0.00755853104992764	0.449662735974154
UCEC	DPF3	cg25495195	-0.060583379022171	43%	-0.793688374823455	0.428476846302981	0.00367034581374403	0.622661307628829
UCEC	DPF3	cg26057784	0.219739419389989	43%	2.94545684979688	0.00367419945683852	0.0482854124338494	0.0193730969598276
UCEC	EED	cg00080012	0.247074690873994	55%	3.37306806083314	0.000915190414068677	0.0610459028704797	0.00623217113726004
UCEC	EED	cg01739327	-0.0296239372426914	43%	-0.387553337652499	0.698828567288784	0.000877577657758916	0.827266869006994
UCEC	EED	cg02172616	-0.122562684791747	43%	-1.61489009284452	0.108178131590819	0.0150216117033611	0.251986991914729
UCEC	EED	cg04607174	-0.322554150294721	43%	-4.45611781840638	1.50448141542683e-05	0.104041179872349	0.000186946895272948
UCEC	EED	cg06358433	-0.127293266592716	43%	-1.67822762941613	0.0951292899571074	0.0162035757198442	0.229793137181283
UCEC	EED	cg10086030	-0.141619566001682	43%	-1.87077133913487	0.0630853688913425	0.0200561014745048	0.170790436315751
UCEC	EED	cg10535675	-0.272863807833493	43%	-3.68714687627803	0.000305312928916589	0.0744546576253934	0.00248083496888835
UCEC	EED	cg12672785	0.204126731776311	43%	2.7267158306092	0.00706366253215469	0.0416677226256779	0.032627393600905
UCEC	EED	cg16265078	-0.121088673244253	43%	-1.59517767465411	0.112519040146255	0.0146624667880535	0.259172920268188
UCEC	EED	cg18574463	0.168156766947365	43%	2.23069963110236	0.0270016003199225	0.0282766982701905	0.09125342088223
UCEC	EED	cg19325359	-0.265130833797242	43%	-3.58518825721956	0.000439885839698011	0.070294359030021	0.00336352260796806
UCEC	EED	cg21042619	-0.482855608019871	11%	-0.779788697137864	0.517144391980129	0.233149538196239	0.698129002122077
UCEC	ELP3	cg01209934	-0.0241467071105078	43%	-0.315851262433705	0.752500580387583	0.00058306346428065	0.861402171171907
UCEC	ELP3	cg02516513	-0.102956532231596	43%	-1.35352418089519	0.1776746492031	0.0106000475291557	0.354102107396269
UCEC	ELP3	cg04720865	-0.624957294620624	43%	-10.468562722849	3.94468115376509e-20	0.39057162009953	5.33691349001741e-18
UCEC	ELP3	cg05621091	-0.211396041169952	43%	-2.82827968243437	0.00523918897586285	0.0446882862232382	0.0257325252344387
UCEC	ELP3	cg15692687	0.00442179276186277	43%	0.0578230086824777	0.953957123597896	1.95522512288619e-05	0.975589799697311
UCEC	ELP3	cg17572663	0.105811054695041	43%	1.39147044623448	0.16589033949999	0.011195979295677	0.33810875503844
UCEC	ELP3	cg18022570	0.054696930074433	43%	0.71632751270257	0.474766278792416	0.00299175415956741	0.662607914505028
UCEC	ELP3	cg18249244	-0.216569223974381	55%	-2.93458732692615	0.00378804165943566	0.0469022287728654	0.01987635996588
UCEC	ELP3	cg19781013	0.104939137189749	43%	1.3798760668443	0.169426332183632	0.0110122225141289	0.342907929492246
UCEC	ELP3	cg22414525	-0.376933051262176	43%	-5.3215543966421	3.1935610469133e-07	0.142078525133814	6.16017575213423e-06
UCEC	ELP3	cg22487209	0.0924640504211458	43%	1.21432650132939	0.226297378162936	0.00854960062028419	0.415820162902602
UCEC	ELP3	cg25374552	0.0866635813360868	43%	1.13755327098255	0.256898475294803	0.00751057632999654	0.451244326742168

UCEC	ELP4	cg04972224	-0.249724560517983	439	-3.37242107974669	0.000921498018121083	0.0623623561258996	0.00627018427549301
UCEC	ELP4	cg05195750	0.316674731331138	439	4.36574610365229	2.18813405941764e-05	0.100282885463648	0.000259030610862958
UCEC	ELP4	cg05635455	-0.326498898647342	439	-4.51707367227774	1.16498016398363e-05	0.106601530817928	0.000149675420110557
UCEC	ELP4	cg08111895	0.0263007292976001	439	0.344045677110086	0.731234633417047	0.000691728361585641	0.848115740641477
UCEC	ELP4	cg08626560	-0.349493154814997	439	-4.87781641422205	2.44068891149338e-06	0.122145465262539	3.76429328272633e-05
UCEC	ELP4	cg09616795	0.387952896444912	439	5.50423878950913	1.3365807653542e-07	0.150507449859997	2.82779342017853e-06
UCEC	ELP4	cg10583382	-0.263692812549955	554	-3.61632154808328	0.000390644457614066	0.0695338993905056	0.00304506963282852
UCEC	ELP4	cg11385473	-0.196795625628078	554	-2.65528679666688	0.00865549350310727	0.0387285182663466	0.0381585607257311
UCEC	ELP4	cg13263383	-0.272509413198645	439	-3.70369634368279	0.000286499689120296	0.0742613802818699	0.00235154640382194
UCEC	ELP4	cg19328333	-0.0409817672896196	439	-0.536356742686313	0.592409078057187	0.00167950525018053	0.754738668389835
UCEC	ELP4	cg24001477	0.241438313125631	439	3.25346560070657	0.00137389390855231	0.0582924590449502	0.00874279776866405
UCEC	ELP4	cg24531794	-0.0569714500856432	439	-0.746210369730236	0.456564970584501	0.00324574612486094	0.646817003963627
UCEC	ELP4	cg25130734	0.103070372968157	439	1.35503685594794	0.177193155781285	0.010623501783795	0.353423181828303
UCEC	EP300	cg00500400	-0.0949909158816977	554	-1.26231973511917	0.208513385608515	0.00902327410004376	0.393715784466719
UCEC	EP300	cg02046995	0.182192981881674	439	2.42303726844672	0.0164346577480275	0.0331942826469362	0.0625896002765973
UCEC	EP300	cg07519229	-0.0232943527411027	439	-0.304695867961003	0.760968310201163	0.000542626869626918	0.867000127764927
UCEC	EP300	cg08131204	-0.30578270187825	439	-4.19979215438292	4.29116042735938e-05	0.0935030607679627	0.000465198626374019
UCEC	EP300	cg09331127	-0.0140878854741592	439	-0.184241291285284	0.854042476135354	0.000198468517133027	0.922149565040356
UCEC	EP300	cg24349919	0.0241659244775511	439	0.316102782237423	0.75231000070784	0.000583991905854704	0.861285399700751
UCEC	EPC1	cg02900516	0.045301288269366	439	0.593000004533975	0.553964598665234	0.0020522067188642	0.725789362074593
UCEC	EPC1	cg16942190	-0.0376339316278765	439	-0.492476388323151	0.623014322508633	0.00141631280977168	0.776712272032758
UCEC	EPC1	cg26211455	-0.0446955488217721	439	-0.585054813450036	0.559282067778503	0.00199769208447942	0.730135747285801
UCEC	EPC2	cg00066942	-0.161129209796901	439	-2.13493433120531	0.0341904856668795	0.0259626222497736	0.108852655697533
UCEC	EPC2	cg03664802	0.0296668062475498	439	0.388114662448804	0.698413918367899	0.00088011939292966	0.82704287776814
UCEC	EPC2	cg04098458	-0.160266147167121	439	-2.12319660150623	0.0351761423201759	0.0256852379277931	0.111259923401601
UCEC	EPC2	cg05586854	0.280280629444138	439	3.81818490426196	0.000187764628709747	0.0785572312416024	0.00164585481981364
UCEC	EPC2	cg10458926	0.032893016799187	439	0.430364888300364	0.667472141410917	0.0010819505541516	0.807165496735092
UCEC	EPC2	cg11721798	-0.0259231648773834	439	-0.33910332763503	0.734947962774029	0.000672010477260003	0.850581450752738
UCEC	EPC2	cg12432635	0.000358876009576161	439	0.00469291307921568	0.996261081155502	1.28791990249309e-07	0.998170169676088
UCEC	EPC2	cg16434205	0.0219781754845817	439	0.287471376203682	0.774099494315747	0.000483040197631069	0.87487536589716
UCEC	EPC2	cg21347644	-0.1111135399328138	439	-1.46234273645062	0.145482734666267	0.0123510769838247	0.309378488344749
UCEC	EPC2	cg21650422	-0.0234830105259671	439	-0.307164914317562	0.759091598910112	0.00055145178336268	0.865842270790261
UCEC	EZH1	cg00728999	-0.212794142944127	439	-2.84786908682439	0.00494115068067426	0.0452813472713257	0.0245429623325484
UCEC	EZH1	cg01716316	0.00696493091158737	439	0.0910804991733149	0.927535231806677	4.85102626031853e-05	0.961768421501748
UCEC	EZH1	cg03623386	-0.185904712169681	439	-2.47414948395931	0.0143311424909556	0.034560562006892	0.0563604024795016
UCEC	EZH1	cg05375741	-0.268628466703655	439	-3.64681586909616	0.000352169626228895	0.0721612531235567	0.00279415440110665
UCEC	EZH1	cg05979501	-0.0883300682325925	439	-1.15959809028089	0.247829069558984	0.00780220095397444	0.441191208889714
UCEC	EZH1	cg06975499	-0.106483555061089	554	-1.41669972491847	0.158348404069726	0.011338747498448	0.327466250964053
UCEC	EZH1	cg12812489	-0.107531083164392	439	-1.41435218002682	0.159076709925343	0.0115629338465073	0.328472822081808
UCEC	EZH1	cg19395400	0.0260785937930122	439	0.341137887283875	0.733418576806989	0.000680093054220935	0.849577691419927
UCEC	EZH1	cg22227424	0.0745770456958852	439	0.977944744094341	0.329483150067867	0.00556173574472615	0.529154981618901
UCEC	EZH1	cg27088844	-0.133808625820763	554	-1.78618455337555	0.0758007839166284	0.0179047483440409	0.195375145497761
UCEC	EZH2	cg01893439	0.0780168295669541	439	1.02332146865877	0.307601363719151	0.00608662569567916	0.506102544079515
UCEC	EZH2	cg02303805	-0.0783985449140383	439	-1.02835919330415	0.305233301718442	0.00614633184463848	0.503793138794072
UCEC	EZH2	cg06816161	0.0342880282911276	554	0.453854848998032	0.650495645429705	0.00117566888409316	0.795570655272269
UCEC	EZH2	cg13751213	-0.0819132238808379	439	-1.07476618418651	0.283993594325714	0.00670977624655227	0.481266014834109
UCEC	EZH2	cg18494018	0.0117466951910943	439	0.153618570658855	0.878091630772161	0.000137984847912479	0.935298871724606
UCEC	EZH2	cg20101066	0.0770716854219732	439	1.0108497825922	0.313516525938098	0.00594004469378359	0.512568923621206
UCEC	FBXL19	cg00026853	0.151919536306445	439	2.00993531053149	0.0460101427411088	0.0230795455115654	0.135775473955004
UCEC	FBXL19	cg02291855	0.283315089060183	439	3.86310915459569	0.000158664726772665	0.0802674396891792	0.00142817789450387
UCEC	FBXL19	cg03181514	0.0969112658076405	439	1.27327250367628	0.204649540672592	0.00939179344043916	0.388779154263335
UCEC	FBXL19	cg03627896	0.100082034861576	554	1.33064177577392	0.185038138561622	0.0100164137020338	0.363589122559743
UCEC	FBXL19	cg04477789	-0.244538201563992	439	-3.29787658357184	0.00118506000417626	0.0597989320241514	0.00773540509858094
UCEC	FBXL19	cg05643349	-0.356459392435959	439	-4.98903718736183	1.48254674439551e-06	0.127063298455813	2.42042479398751e-05
UCEC	FBXL19	cg05768582	0.0223619008778289	439	0.292492938701799	0.770264352037063	0.000500054610869846	0.87268357512483
UCEC	FBXL19	cg06862768	-0.140522688338419	439	-1.85598871808647	0.0651760049815439	0.0197466259378563	0.174952628671689
UCEC	FBXL19	cg07697662	-0.110812532726562	439	-1.45804149678365	0.146663267738198	0.0122794174092754	0.311021760179517

UCEC	FBXL19	cg08535091	0.0412390170947088	554	0.546005399115531	0.585757594792429	0.00170065653093768	0.750140185570099
UCEC	FBXL19	cg08593668	0.121486770744264	439	1.60050049579054	0.111333459200023	0.0147590354658694	0.257096744389889
UCEC	FBXL19	cg09011601	-0.159581739091078	439	-2.11389214457438	0.0359747609640732	0.0254663314513328	0.113203646729193
UCEC	FBXL19	cg11940219	-0.201429571924885	437	-2.68127846346274	0.00805689124188033	0.0405738724458422	0.0361213576112747
UCEC	FBXL19	cg26666512	-0.0574544164395912	439	-0.752557111364902	0.452750811516316	0.00330100996841397	0.643205621561758
UCEC	FBXL19	cg27602786	-0.235419825211444	439	-3.16754131767548	0.00182108266851579	0.0554224941025867	0.0110137063760023
UCEC	FBXW9	cg02753619	-0.0536707225652751	439	-0.702848729008663	0.483105729089629	0.00288054646067873	0.670000031873511
UCEC	FBXW9	cg03160342	0.0163833788982379	439	0.214269237393233	0.830592398727772	0.000268415104123228	0.909124364277068
UCEC	FBXW9	cg05868316	0.170384559059854	554	2.28742337057843	0.0233680252159099	0.0290308979660207	0.081886668224875
UCEC	FBXW9	cg06489804	0.128524092983824	554	1.71443277999542	0.0882196360665184	0.0165184424773146	0.21783730037208
UCEC	FBXW9	cg12110584	-0.265980061651202	439	-3.60811005641532	0.000404716469635228	0.0707453931959771	0.00313434674353438
UCEC	FBXW9	cg14342428	-0.0472529546872222	439	-0.618603570671719	0.537000692844293	0.00223284172667267	0.712990281809919
UCEC	FBXW9	cg15828427	-0.194852333490411	439	-2.59781834303012	0.0101999966663278	0.0379674318666584	0.0432730839646783
UCEC	FBXW9	cg19721801	-0.0474070269032253	439	-0.620625115309083	0.535672603486749	0.00224742619980313	0.712027381260434
UCEC	FBXW9	cg21564527	0.173650426690225	439	2.30580526178327	0.0223219991101436	0.0301544706896972	0.0790655920764246
UCEC	FBXW9	cg22303873	0.205996833398877	439	2.75279834579244	0.00654701259991876	0.0424346953703645	0.0307188358382437
UCEC	FKBP1A	cg04613791	0.180378845875954	554	2.42598069109983	0.0162824528721589	0.0325365280395412	0.0621377060945169
UCEC	FKBP1A	cg07516946	0.118667829249157	439	1.5628261420364	0.119942257761246	0.014082053698707	0.270622349844205
UCEC	FKBP1A	cg10996143	0.184222122169765	554	2.47946657672947	0.0141042785157674	0.0339377902967317	0.0556516657970992
UCEC	FKBP1A	cg21332426	-0.0122755567425641	439	-0.160535829920692	0.87264848875336	0.00015068929333991	0.932511216127457
UCEC	FKBP1A	cg21775445	0.20676366346486	439	2.76350249611215	0.00634509026213622	0.0427512125294099	0.0299738858302541
UCEC	FKBP1A	cg24641773	-0.165799053918953	439	-2.19853262633032	0.029253913893937	0.0274893262804199	0.0969158920647702
UCEC	FKBP1A	cg26779912	-0.0501210310405228	439	-0.656242325075239	0.512550296484165	0.00251211775256505	0.694393856872042
UCEC	FKBP2	cg03764062	0.0123934461639951	439	0.16207778602321	0.871435953585228	0.000153597507819844	0.931795167131695
UCEC	FKBP2	cg04446112	-0.158336967728239	439	-2.09697761374635	0.0374665503849763	0.0250705953493734	0.116703616442396
UCEC	FKBP2	cg06615912	-0.100285417390079	439	-1.31804665486241	0.189250934387904	0.0100571649411024	0.369079648778455
UCEC	FKBP2	cg09854726	0.0311747505318664	439	0.407861002584161	0.683885920036097	0.000971865070724105	0.817904304015375
UCEC	FKBP2	cg10998122	-0.0480850556209895	439	-0.629521897248315	0.529847611863952	0.00231217257407366	0.707974186588075
UCEC	FKBP2	cg12423493	-0.0828367726946152	439	-1.08696712930067	0.278581117442214	0.00686193091045934	0.475491233715819
UCEC	FKBP2	cg15010817	-0.1502155179326	439	-1.98686722324916	0.0485342189183186	0.0225647018277593	0.141125477555942
UCEC	FKBP2	cg16977872	-0.0605357834227667	554	-0.802284509323823	0.423476550800869	0.00366458107460812	0.618549282632423
UCEC	FKBP2	cg19924313	-0.107330482438625	439	-1.41168290813467	0.159860371816165	0.0115198324605079	0.329601064511059
UCEC	FKBP2	cg21809711	-0.0470355897230574	439	-0.615751652266237	0.53887714628634	0.00221234670059578	0.714452350996731
UCEC	FKBP2	cg22074794	-0.0858265595971299	439	-1.12648452284961	0.26153885518796	0.00736619833227968	0.456908909189967
UCEC	FKBP2	cg24677501	0.123919844025735	439	1.63304939869765	0.104298555301722	0.0153561277433626	0.245485955801228
UCEC	FKBP5	cg00130530	-0.286443686595317	439	-3.90955919545671	0.000133107083114142	0.0820499855903159	0.00123001751210059
UCEC	FKBP5	cg00140191	-0.0596113921256579	439	-0.780908824097535	0.435935851917259	0.00355351807115895	0.629061158998646
UCEC	FKBP5	cg00610228	0.106227260582981	439	1.39700611368503	0.164221979756918	0.0112842308909645	0.335684604898042
UCEC	FKBP5	cg01294490	-0.141762916167019	439	-1.87270378765885	0.0628162503652076	0.0200967244001773	0.170218802401435
UCEC	FKBP5	cg07485685	-0.0234826633762628	439	-0.307160370988558	0.75909505096419	0.000551435479242875	0.865842270790261
UCEC	FKBP5	cg07843056	-0.0539168563166872	439	-0.706081430099709	0.481098370262329	0.0029070273950743	0.668331546717637
UCEC	FKBP5	cg08636224	-0.128418523508784	554	-1.71300092489449	0.0884833744363072	0.0164913171801762	0.218287424078711
UCEC	FKBP5	cg08915438	-0.229556714413579	439	-3.08420640809408	0.00238046707044267	0.0526962851323574	0.0136810029017447
UCEC	FKBP5	cg10913456	-0.04577258860596	439	-0.599182275807904	0.549844341863889	0.00209512986769046	0.722714674601415
UCEC	FKBP5	cg16012111	-0.0075570524912229	439	-0.0988241062761441	0.921393679200059	5.71090423550983e-05	0.95883463955899
UCEC	FKBP5	cg17030679	-0.193997778809877	439	-2.58597864354542	0.0105431088936105	0.0376351381831661	0.044408023404373
UCEC	FKBP5	cg20813374	-0.33512059540593	439	-4.65122647329667	6.57867217425141e-06	0.112305813465225	9.05045467001536e-05
UCEC	FKBP5	cg25114611	-0.340804270819551	439	-4.74038045609235	4.47095126688343e-06	0.116147551008846	6.44934512990784e-05
UCEC	FMR1	cg02921434	-0.294816564100331	439	-4.0345468328377	8.23446517953662e-05	0.0869168064679243	0.000813553447011521
UCEC	FMR1	cg03513471	-0.244947545102434	439	-3.30374910062585	0.00116198509616554	0.0599992998517088	0.00760725004495585
UCEC	FMR1	cg04552106	-0.287082100078984	439	-3.91905433723582	0.00012838844236895	0.0824161321857596	0.00119385446796388
UCEC	FMR1	cg04744025	-0.327490849754672	439	-4.53244307503508	1.09180543722492e-05	0.107250256673037	0.000141536264261749
UCEC	FMR1	cg05288927	-0.352033076052772	439	-4.91825960545343	2.03784312981526e-06	0.123927286635177	3.21240057630898e-05
UCEC	FMR1	cg07147350	-0.259191238455075	548	-3.55009879828944	0.00049470283317969	0.0671800980918755	0.00371583587953855
UCEC	FMR1	cg08434396	-0.299488743739277	548	-4.15246239721022	5.13153726229681e-05	0.0896935076265303	0.000542321437010078
UCEC	FMR1	cg14470409	-0.340792384865367	439	-4.74019340533667	4.47459961246409e-06	0.116139449582225	6.4522150556447e-05
UCEC	FMR1	cg16783314	-0.371907176659764	439	-5.23911986391183	4.70141943668321e-07	0.138314948051037	8.73101512669691e-06

UCEC	FMR1	cg22625568	-0.434106766580566	426	-6.20858464492336	4.1338896205015e-09	0.188448684791034	1.2172286492706e-07
UCEC	FXR2	cg01807919	0.211456751923844	439	2.82912994836814	0.00522592001102182	0.0447139579341821	0.0256851921491933
UCEC	FXR2	cg01933235	-0.14233803966133	439	-1.88045801678967	0.0617459851731441	0.0202601175346302	0.168112104803821
UCEC	FXR2	cg05529097	-0.247630809822123	554	-3.38115558495114	0.000890287323459065	0.0613210179731605	0.00609620737973546
UCEC	FXR2	cg05913233	-0.426937135662643	439	-6.17388355323575	4.69604406634419e-09	0.182275317807822	1.36671923717613e-07
UCEC	FXR2	cg09625173	-0.410035717466009	439	-5.87884253143337	2.11403833975225e-08	0.168129289597865	5.41901637852529e-07
UCEC	FXR2	cg17777561	-0.388592148009597	439	-5.51492000874899	1.26947162310033e-07	0.151003857494713	2.69828621441167e-06
UCEC	FXR2	cg19178740	-0.163975340345263	439	-2.17367776317194	0.0311042466279238	0.0268879122413448	0.101392154291754
UCEC	FXR2	cg22521096	-0.0878020162242651	439	-1.15261179715973	0.25067848383969	0.00770919405304611	0.444303961582474
UCEC	FXR2	cg26904212	0.233121758064472	554	3.17128771773967	0.00179232235995154	0.0543457540830701	0.0108668011589175
UCEC	G2E3	cg02259031	0.160160052392444	439	2.12175404856732	0.035298950421427	0.0256512423823505	0.111519109368279
UCEC	G2E3	cg05076167	-0.0694969875868633	439	-0.910993672994228	0.363581102933041	0.00482983128364862	0.562504611281843
UCEC	G2E3	cg07906495	-0.0241033355193523	554	-0.318949821481252	0.750144937788935	0.00058097078315847	0.860047091364456
UCEC	G2E3	cg08810065	0.128722067691538	554	1.71711810136143	0.0877267411146476	0.0165693707107848	0.216902304165805
UCEC	G2E3	cg09837748	-0.122781450628019	439	-1.61781663812454	0.107545224769253	0.0150752846183208	0.251004882911575
UCEC	G2E3	cg18580322	0.0195401063958065	439	0.255568842139743	0.798590930508069	0.000381815757959439	0.890013077488714
UCEC	G2E3	cg18755078	0.117370244991762	439	1.54549723756138	0.12407469700791	0.0137757744094261	0.277037598778259
UCEC	G2E3	cg18956956	-0.217851917006678	439	-2.91888985070748	0.0039857645987439	0.0474594577434843	0.0206898610758238
UCEC	G2E3	cg19554565	-0.148967486247817	439	-1.9699835453328	0.0504551135908748	0.0221913119589934	0.145250531276635
UCEC	G2E3	cg21061067	0.0121997310070814	439	0.159544056981689	0.873428540686067	0.000148833436645142	0.933001005823862
UCEC	G2E3	cg22926526	0.0980374534646366	439	1.28821172612378	0.199412649910076	0.0096113422818308	0.382179163353841
UCEC	GADD45	cg01810953	-0.0585364579331548	439	-0.766778330664364	0.444270628419802	0.00342651690736	0.636247294182546
UCEC	GADD45	cg02639608	-0.074700298135418	439	-0.979570041580795	0.328682236356302	0.00558013454152033	0.528361075651984
UCEC	GADD45	cg04718306	-0.136124726669442	554	-1.81768037131476	0.0708232658505292	0.0185299412108303	0.185928699206158
UCEC	GADD45	cg07000785	-0.0427091021799728	554	-0.56550430983543	0.572455114939718	0.00182406740901935	0.740030795500356
UCEC	GADD45	cg22224769	-0.139086201743711	439	-1.83663972150655	0.0679992392243991	0.0193449715154924	0.18052529830471
UCEC	GADD45	cg23369529	-0.234023407074409	439	-3.14766065144297	0.00194219876475816	0.0547669550587147	0.0116072375129136
UCEC	GADD45	cg23723105	-0.0216312673313701	439	-0.282931726235693	0.777571379450159	0.000467911726361201	0.877015468269405
UCEC	GATAD2A	cg02887458	-0.164142485684626	439	-2.17595478073372	0.0309306160592681	0.0269427556067276	0.100944596455708
UCEC	GATAD2A	cg08505228	-0.0137291111605391	439	-0.179548346596385	0.85771973658365	0.000188488493258439	0.924316020277168
UCEC	GATAD2A	cg08870822	0.179259928442706	439	2.38272369863125	0.0182822636771464	0.0321341219452841	0.0679397353826277
UCEC	GATAD2A	cg09334331	-0.0503576292590822	439	-0.659347998885398	0.510559291412666	0.00253589082459518	0.692840189023618
UCEC	GATAD2A	cg11795262	-0.262399714056181	554	-3.59727301491204	0.000418242702632852	0.0688536099367656	0.00322303098362975
UCEC	GATAD2A	cg14948912	0.250394637804094	439	3.38207462377472	0.00089168898808931	0.0626974746410436	0.00610311861639468
UCEC	GATAD2A	cg15264323	0.227932307700041	439	3.06118121739557	0.00256090424417834	0.0519531368934659	0.0145163935275145
UCEC	GATAD2A	cg22191731	-0.0980701400581036	439	-1.28864539807883	0.199262116741818	0.00961775237101606	0.382005399586312
UCEC	GATAD2A	cg26631329	0.0154888845325262	439	0.202567747296683	0.839713713925687	0.000239905544061931	0.914178844724627
UCEC	GATAD2E	cg02134200	0.42900067990549	439	6.21043502430653	3.88565894315773e-09	0.184041583359373	1.14674109189686e-07
UCEC	GATAD2E	cg02940454	0.279064215152621	439	3.80021124872961	0.000200768941657335	0.0778768361787486	0.00174217725011609
UCEC	GATAD2E	cg09805553	0.19475051312698	439	2.59640731836956	0.0102403547637059	0.037927762363222	0.0434016975476837
UCEC	GATAD2E	cg10226922	0.14603420146749	439	1.93033909894097	0.0552194178815932	0.0213259879982475	0.155064050632807
UCEC	GATAD2E	cg10489353	0.0786855488951794	439	1.0321472552784	0.303460720624642	0.00619141560493567	0.501960114493345
UCEC	GATAD2E	cg15064304	0.00334965172411735	439	0.0438026258215234	0.96511284090343	1.12201666728823e-05	0.981630232663155
UCEC	GATAD2E	cg20773694	0.102008088219161	439	1.34092367923289	0.181723713720182	0.0104056500621281	0.359181244064835
UCEC	GATAD2E	cg23046518	0.170071645788599	439	2.25685387585784	0.0252831237003699	0.0289243647012428	0.0869452446798063
UCEC	GATAD2E	cg23323627	0.164939995518573	439	2.18682189685682	0.0301134746562557	0.027205202121667	0.0989879002538983
UCEC	GATAD2E	cg26398333	0.253530946233817	439	3.4273274439924	0.000763591893126823	0.0642779406982147	0.00535498672441252
UCEC	GLYR1	cg00636946	-0.336438252987808	439	-4.65816330539905	6.40922511143602e-06	0.113190698073489	8.85296978549456e-05
UCEC	GLYR1	cg00885266	0.0787775045385997	439	1.03336099921071	0.30289422551719	0.0062058952213291	0.501239028035138
UCEC	GLYR1	cg01261535	-0.0590538303330826	554	-0.782574494378487	0.434934684608998	0.00348735487700851	0.628308012984786
UCEC	GLYR1	cg01565912	0.109480471426506	439	1.44030065758338	0.151610728360407	0.0119859736237699	0.318002777159522
UCEC	GLYR1	cg02454264	0.0316493386905642	439	0.414076244984815	0.679337178886444	0.00100168063955004	0.814944832106396
UCEC	GLYR1	cg06399529	0.0028652948326986	439	0.0374687456654619	0.97015496561174	8.2099144782893e-06	0.984274960155451
UCEC	GLYR1	cg06976003	-0.201460762151658	439	-2.68958702715318	0.00786289858875943	0.0405864386867271	0.0354510589191401
UCEC	GLYR1	cg11289281	-0.00487067884219165	439	-0.0636931460957163	0.949288955494159	2.37235123837734e-05	0.973118436185911
UCEC	GLYR1	cg15663121	0.192004585846972	554	2.58813672197564	0.0104605211721519	0.0368657609862674	0.0441446536119722
UCEC	GLYR1	cg18354686	0.153079282798277	439	2.02564581479151	0.0443557077268116	0.0234332668220348	0.132181878065489

UCEC	GTF2B	cg02705666	-0.105063004427663	554	-1.397587763574	0.164006096831193	0.0110382348993672	0.335304993216625
UCEC	GTF2B	cg04270788	0.145953319050525	554	1.95168053994798	0.0525722809640711	0.0213023713418642	0.149653781688155
UCEC	GTF2B	cg05306856	-0.177530293197167	439	-2.35898144956368	0.0194542125080238	0.0315170050026722	0.0712734768696056
UCEC	GTF2B	cg06356032	-0.0843089572977034	439	-1.10642191082056	0.270098033562547	0.00710800028062597	0.466146711148226
UCEC	GTF2B	cg07167781	-0.0415893645287311	439	-0.544322465604255	0.586928664494375	0.00172967524190367	0.750888923733613
UCEC	GTF2B	cg10430205	-0.127495429029412	439	-1.68093693323311	0.0946008005309586	0.0162550844233938	0.22891466794464
UCEC	GTF2B	cg12074130	-0.0899656098945234	439	-1.18124309715363	0.239146424899587	0.00809381096369357	0.431000972515659
UCEC	GTF2B	cg13868361	-0.0673428669634467	439	-0.882625910738164	0.378677505713793	0.00453506173085648	0.577242583799407
UCEC	GTF2B	cg14010405	-0.0986858061126827	439	-1.29681458425607	0.196442118365612	0.00973888832811	0.378511372569832
UCEC	GTF2B	cg17811845	-0.0927505031629005	439	-1.21812106611618	0.224856013218333	0.00860265583697121	0.414147341027185
UCEC	GTF2B	cg22607980	0.0530977547514911	439	0.695324121653188	0.487796012916319	0.0028193715596495	0.674012948771995
UCEC	GTF2H1	cg05849260	-0.174485750701377	439	-2.3172444912095	0.0216755434601005	0.030445277197823	0.0774426851630471
UCEC	GTF2H1	cg07583091	-0.201925242552889	439	-2.69605130866364	0.00771812550028043	0.040773803580043	0.0349652839022138
UCEC	GTF2H1	cg08690812	-0.174970004378703	439	-2.32387839734911	0.0213082270769416	0.0306145024322835	0.0764282455264696
UCEC	GTF2H1	cg10797557	0.036605199761954	439	0.478996120471082	0.632553334454118	0.00133994064961256	0.783430779158817
UCEC	GTF2H1	cg11063328	0.0480290130857281	439	0.628786499899646	0.530327864725044	0.00230678609798904	0.708233347523826
UCEC	GTF2H1	cg11176342	-0.0268761932697321	439	-0.351578832215329	0.725586982754223	0.000722329764671992	0.844562485903722
UCEC	GTF2H1	cg11347316	0.283670078216953	439	3.8683728660383	0.000155550060665319	0.080468713275612	0.00140462697845593
UCEC	GTF2H1	cg11662851	0.139868802789246	439	1.84717962271362	0.066449021556742	0.0195632819936971	0.177405250108082
UCEC	GTF2H1	cg13777411	0.107931196894355	546	1.43618519667976	0.152734840707727	0.011649143263048	0.319729819535657
UCEC	GTF2H1	cg14132868	0.116422691551827	439	1.53284798069778	0.127161323822679	0.0135542431081718	0.281890634185207
UCEC	GTF2H1	cg17174493	0.0661444417224474	439	0.866849160392092	0.387239386594739	0.00437508717077424	0.585188151299581
UCEC	GTF2H1	cg18321761	0.194629292230382	439	2.59472755525044	0.0102885862303321	0.0378805613940994	0.0435752546386354
UCEC	H2AFZ	cg02758870	-0.12283734932683	439	-1.61856446271295	0.10738397256616	0.0150890143896418	0.250707624675485
UCEC	H2AFZ	cg09308803	0.128566685142509	439	1.69529706174319	0.0918391540027144	0.0165293925285329	0.22408603790381
UCEC	H2AFZ	cg16267491	-0.181345455735321	554	-2.43942182823084	0.0157087126150016	0.0328861743158513	0.0604732575797425
UCEC	H2AFZ	cg17709884	-0.181082716570805	554	-2.43576760248128	0.0158628920042204	0.0327909502406624	0.0609049916309453
UCEC	H2AFZ	cg20934652	0.129045452175866	439	1.70171685499101	0.0906258582272311	0.0166527287272736	0.221859192308273
UCEC	H2AFZ	cg23752380	-0.0597750927128442	439	-0.783060979912141	0.434674445873376	0.00357306170882912	0.628077161426951
UCEC	H2AFZ	cg24061702	-0.191566817526897	439	-2.55233146124532	0.0115754323929189	0.0366978455773836	0.04778705092203
UCEC	H3F3A	cg06319713	-0.0171592310043576	439	-0.224419103014489	0.822699134067283	0.000294439208660907	0.904636846198569
UCEC	H3F3A	cg10632229	0.0265095765271934	439	0.346779567766386	0.729183301578007	0.000702757647651124	0.846882305267581
UCEC	H3F3A	cg10983539	-0.0686678563348676	439	-0.90007329304312	0.369347048316588	0.00471527449362602	0.568058841793177
UCEC	H3F3A	cg11978873	-0.0663957316681116	439	-0.870156969390959	0.385434473411425	0.00440839318374388	0.583480694790099
UCEC	H3F3A	cg15538837	-0.139053457678292	554	-1.8575506746865	0.0649130726391695	0.0193358640922886	0.174403300738786
UCEC	H3F3A	cg15624314	-0.0887709057007861	439	-1.16543126218421	0.245467543501031	0.00788027369893785	0.438371526804233
UCEC	H3F3A	cg16724613	-0.350590471875418	439	-4.89527388630202	2.25813678871231e-06	0.122913678969828	3.51409268535878e-05
UCEC	H3F3A	cg16727519	-0.0122316500602302	439	-0.159961546207955	0.873100160758082	0.000149613263195929	0.932748936033076
UCEC	H3F3A	cg18947521	-0.0534490587056056	554	-0.708076726576705	0.479839638002903	0.00285680187651527	0.667142866312759
UCEC	H3F3A	cg19410789	0.00640924398914951	439	0.08381346203909	0.933302781760188	4.10784085124491e-05	0.964547607464092
UCEC	H3F3A	cg21266749	-0.244250166106525	439	-3.29374549870013	0.00120154742056819	0.0596581436430652	0.00782805845812713
UCEC	H3F3A	cg21789564	-0.0736925235868998	439	-0.966282101455403	0.335267640157351	0.00543058803260579	0.534813525863794
UCEC	H3F3A	cg22519151	-0.139975984959091	439	-1.84862340334844	0.0662389738106706	0.0195932763652677	0.176981547212093
UCEC	H3F3A	cg27530209	-0.0888956067463611	439	-1.16708143449294	0.24480237932646	0.00790242889880369	0.437796452231758
UCEC	H3F3A	cg27560444	-0.20072032181534	439	-2.64776394573206	0.00887885901799893	0.0402886475896538	0.0389402389472437
UCEC	HAT1	cg00414306	-0.0600893492421681	439	-0.787192658006407	0.432258784751903	0.00361072989234724	0.626052164298951
UCEC	HAT1	cg01583365	-0.186363390630215	439	-2.48047325936437	0.0140882931287724	0.0347313133671903	0.0556103607751354
UCEC	HAT1	cg04507121	-0.0956820247588183	437	-1.25329113431425	0.211820751755353	0.00915504986194711	0.397946526027754
UCEC	HAT1	cg04950839	-0.113106723513464	439	-1.48861500670993	0.138430665625254	0.0127931309039512	0.29888360582973
UCEC	HAT1	cg05421799	-0.075483718485054	439	-0.989901858210556	0.323620728406316	0.00569779175633088	0.523051428248464
UCEC	HAT1	cg09545452	-0.0552451406318299	439	-0.72352891351184	0.470343573186824	0.00305202556343067	0.658887205493365
UCEC	HAT1	cg10190161	0.119126920919951	439	1.56895913344152	0.118506044631853	0.0141912232878682	0.268440708036292
UCEC	HAT1	cg12941622	-0.0768232360656591	439	-1.00757181596569	0.315083675043851	0.00590180959959998	0.514226181978335
UCEC	HAT1	cg13293756	0.0371505430525696	439	0.486141981976241	0.627488908832795	0.00138016284910083	0.77984012035495
UCEC	HAT1	cg14446129	0.127380259912142	439	1.67939345460011	0.0949015869626086	0.0162257306152849	0.229385885584797
UCEC	HAT1	cg16017358	0.0224469111266202	554	0.297019560846415	0.766803826906543	0.000503863819126386	0.870728472322871
UCEC	HAT1	cg24611092	0.0363743296624509	115	0.051475134768053	0.963625670337549	0.00132309185839266	0.980887084046311

UCEC	HDAC1	cg03762702	-0.180029489173374	439	-2.39329457955715	0.0177808447978429	0.0324106169720259	0.0665308566304357
UCEC	HDAC1	cg04967775	-0.0746308525551205	439	-0.978654275440548	0.329133350645898	0.00556976415310413	0.528820600159404
UCEC	HDAC1	cg06473843	-0.0718819748083317	439	-0.942416687532418	0.34730886480271	0.00516701830234563	0.546624786783338
UCEC	HDAC1	cg10842753	-0.0602357373322715	439	-0.789117371063589	0.431136149219197	0.00362834405196241	0.625112863763339
UCEC	HDAC1	cg14172124	-0.121335949350721	439	-1.59848382409224	0.111781467887324	0.0147224126048408	0.257817531288401
UCEC	HDAC1	cg20002354	-0.0552952211430601	439	-0.724186813493377	0.469940674432381	0.00305756148125992	0.658606349195516
UCEC	HDAC1	cg20793809	-0.0225055658251813	439	-0.294373020779895	0.768829919042319	0.000506500493111569	0.871832933282483
UCEC	HDAC1	cg21930229	-0.0901792390689793	439	-1.18407100563174	0.238028228691623	0.00813229515906012	0.429616771326978
UCEC	HDAC1	cg23018091	-0.160209048399926	439	-2.12242022971906	0.0352421909761024	0.0256669391892098	0.11142123891713
UCEC	HDAC1	cg26115470	-0.101441753565431	439	-1.33340143510846	0.1841736251131	0.0102904293664296	0.362549735369025
UCEC	HDAC10	cg00711351	0.0214533884331989	439	0.280604037668267	0.7793533196236	0.000460247875265711	0.878026480219796
UCEC	HDAC10	cg01120165	0.0392694835964504	554	0.519887450437672	0.603799026235567	0.00154209234193189	0.762759165314522
UCEC	HDAC10	cg04321608	0.0219571501151169	439	0.287196234679498	0.774309791253242	0.00048211644117778	0.874929393396702
UCEC	HDAC10	cg04586023	-0.0813260617846055	554	-1.07941819209429	0.281886805203279	0.00661392832539346	0.47898960560884
UCEC	HDAC10	cg07482373	-0.309825520425963	439	-4.26117206151675	3.35228809447908e-05	0.0959918531072187	0.000375342400722374
UCEC	HDAC10	cg07744063	-0.0261534813748766	439	-0.342118172219172	0.732682073429969	0.000684004588026015	0.849098278220877
UCEC	HDAC10	cg09151829	-0.161866718903054	439	-2.14496850491429	0.0333668521133475	0.0262008346884403	0.106842596966691
UCEC	HDAC10	cg10508940	-0.0951715921609759	439	-1.25020488478825	0.212932884064349	0.00905763195445513	0.399269687208396
UCEC	HDAC10	cg11645658	-0.346586079271765	439	-4.83167727780487	2.99464204983764e-06	0.120121910344974	4.50696814906305e-05
UCEC	HDAC10	cg12464820	-0.0402579053654542	439	-0.52686754346408	0.598968375146154	0.00162069894441387	0.759302976781004
UCEC	HDAC10	cg26943378	-0.0937110405198589	439	-1.23084728639449	0.220070293532973	0.00878175911531465	0.408240804999967
UCEC	HDAC11	cg01409735	-0.021071736272795	439	-0.275609901616034	0.783180472068401	0.000444018069550223	0.880365361524859
UCEC	HDAC11	cg01712016	-0.0475059668056847	554	-0.629155214858906	0.530067875286151	0.00225681688214282	0.708082503415958
UCEC	HDAC11	cg02762546	-0.139172744718244	439	-1.83780509056137	0.0678263736641861	0.0193690528724094	0.180204028782178
UCEC	HDAC11	cg02941903	-0.0941105572732016	439	-1.23614152808857	0.218101249458993	0.00885679699027255	0.405685115855222
UCEC	HDAC11	cg05987698	-0.0524756151825647	439	-0.68715446821995	0.492916265818482	0.00275369018878861	0.678364816513931
UCEC	HDAC11	cg07450135	-0.022189718726029	439	-0.290239687968697	0.771984543530981	0.000492383617140284	0.873578006635057
UCEC	HDAC11	cg08051076	0.063615676500046	439	0.833571337793514	0.405685420211142	0.0040469542965585	0.602035244361253
UCEC	HDAC11	cg08448040	0.0755292660301842	554	1.00202045894952	0.317717208725923	0.00570467002705834	0.517016216798376
UCEC	HDAC11	cg10061496	-0.859414882061044	115	-2.37716890985191	0.140585117938956	0.738593939507998	0.302176627108644
UCEC	HDAC11	cg10455785	-0.0923934370174312	439	-1.21339115074036	0.226653690446892	0.00853654720389403	0.416204091293112
UCEC	HDAC11	cg11432034	0.0330201224836977	439	0.432029722422027	0.666264083969719	0.0010903284888384	0.806357294561381
UCEC	HDAC11	cg13397067	-0.0218022707029315	439	-0.285169468343526	0.77585940881744	0.000475339007803905	0.875935431595855
UCEC	HDAC11	cg13706066	-0.00793367590778616	439	-0.103749539814624	0.917489691150181	6.29432134097865e-05	0.956541223744099
UCEC	HDAC11	cg16254764	0.0174741432585251	554	0.231196487299374	0.817432247355324	0.000305345682619459	0.901888201222993
UCEC	HDAC11	cg18521047	-0.0654211602910227	439	-0.85732930062327	0.392462866004706	0.00427992821382368	0.589406909244001
UCEC	HDAC11	cg19779799	-0.0355770644713953	439	-0.465525193523756	0.642147742973371	0.00126572751640182	0.789868630197967
UCEC	HDAC11	cg20894727	-0.0481845595517174	439	-0.630827615300118	0.528995459540235	0.002321751779193	0.707332747826174
UCEC	HDAC11	cg20922324	-0.056607763301594	439	-0.741431448023631	0.459448911809544	0.00320443886600929	0.649353571667817
UCEC	HDAC11	cg21655280	-0.0448394300045287	439	-0.58694197438653	0.558016789402308	0.00201057448313103	0.72916755552793
UCEC	HDAC11	cg25127083	-0.0166259569181264	439	-0.217442653229198	0.828122629090123	0.000276422443443395	0.907583108736416
UCEC	HDAC11	cg25150878	-0.0424906747159171	439	-0.556139941695059	0.578842178460277	0.00180545743781388	0.745019165996141
UCEC	HDAC11	cg27025856	-0.0212974614587275	554	-0.281802850463845	0.778427650438598	0.000453581864585985	0.877434227399737
UCEC	HDAC2	cg00161229	0.0389029484904698	439	0.509107460746623	0.611333205176604	0.00151343940125215	0.768304136784698
UCEC	HDAC2	cg01129566	0.143911631079778	439	1.9016842710185	0.0588939020867039	0.0207105575600422	0.162415974296609
UCEC	HDAC2	cg08198132	-0.0687974642521442	439	-0.901780217917918	0.368442031711041	0.00473309108752506	0.567306219122175
UCEC	HDAC2	cg10999867	0.172863529593722	439	2.29503390249841	0.0229461082648219	0.0298817998635998	0.0807687229697096
UCEC	HDAC2	cg13393754	0.0262702485169774	439	0.343646675732919	0.731534180400248	0.000690125957143753	0.848286106549062
UCEC	HDAC2	cg15005908	-0.0381842317913057	439	-0.499688037188763	0.61793710557561	0.00145803555749216	0.773130332363251
UCEC	HDAC2	cg15242771	-0.00311102598401239	439	-0.0406821404962898	0.967596759469951	9.67848267320024e-06	0.982935783575416
UCEC	HDAC2	cg18387216	-0.00630690302403256	554	-0.0834341441205082	0.933601701548119	3.9777025754551e-05	0.964658346726053
UCEC	HDAC2	cg18674783	0.175799001337345	439	2.33523906507908	0.0206918830404316	0.0309052888712077	0.0747552291481604
UCEC	HDAC2	cg22867643	-0.129059325516062	439	-1.70190290080453	0.0905908917488864	0.0166563095026608	0.221805552913256
UCEC	HDAC2	cg24023618	0.180195580011842	439	2.39557664045358	0.0176742066992861	0.032470447055804	0.0662114627739701
UCEC	HDAC3	cg01947930	0.0215881512115802	439	0.282367514641797	0.778003198391352	0.00046604827273405	0.877257869682499
UCEC	HDAC3	cg01961137	-0.14098773910685	439	-1.86225535283828	0.0642828090241927	0.0198775425784611	0.173135579508269
UCEC	HDAC3	cg04284814	-0.069104944501487	554	-0.916363149146168	0.360737514846988	0.0047754933545536	0.559634572187631

UCEC	HDAC3	cg08520975	0.109482499699941	439	1.44032766481314	0.151603100473494	0.0119864177405476	0.317995351548614
UCEC	HDAC3	cg10414058	1.15913825012616e-05	554	0.00015333957725912	0.999877827375322	1.34360148290553e-10	0.999903533818848
UCEC	HDAC3	cg11064797	0.178594917075052	554	2.40119341617498	0.0173893753031988	0.0318961444050447	0.0653900358824946
UCEC	HDAC3	cg11153694	-0.0438303646759696	439	-0.573707730975429	0.566919385120243	0.00192110086762849	0.73578567903322
UCEC	HDAC3	cg12082871	0.0380513799881955	439	0.497946981265364	0.619161188969344	0.00144790751900605	0.774060054928135
UCEC	HDAC3	cg14098966	-0.161630037769667	439	-2.14174794054926	0.0336293191478498	0.0261242691094241	0.107470700151494
UCEC	HDAC3	cg17940889	-0.112589322868867	439	-1.48171778460536	0.140255797487664	0.0126763556240701	0.301727213919455
UCEC	HDAC3	cg18671773	0.0315679129117827	439	0.413009867024159	0.680116796630762	0.0009965331256059	0.815402254335899
UCEC	HDAC3	cg19549288	-0.0490305039522928	439	-0.64192909558737	0.521778815435927	0.0024039903178158	0.701679865246176
UCEC	HDAC3	cg20642138	-0.113402399354642	439	-1.4925570712626	0.137395843831876	0.0128601041793898	0.297334268250165
UCEC	HDAC3	cg23421926	-0.0643681227963712	439	-0.843471600122559	0.400143080575095	0.00414325523232872	0.596712545460675
UCEC	HDAC3	cg24385322	-0.0253160408652511	554	-0.335007112108806	0.738020938061523	0.000640901925091065	0.852491549200542
UCEC	HDAC6	cg07153944	-0.273866286135393	432	-3.72362900973295	0.000266362105192952	0.075002742681593	0.00220957278858824
UCEC	HDAC6	cg07674520	-0.355527652682901	432	-4.95954130491926	1.70134914594416e-06	0.126399911822214	2.73743030940186e-05
UCEC	HDAC6	cg10783042	-0.22862559970915	548	-3.10671555314579	0.00220777542918259	0.0522696649620607	0.012861440896947
UCEC	HDAC6	cg12510923	-0.299007718564271	439	-4.09749064495583	6.43856738372958e-05	0.0894056157610103	0.000661754407517319
UCEC	HDAC6	cg13178935	-0.21238067139783	439	-2.84207385810583	0.00502766833206673	0.0451055495833931	0.0248837275877847
UCEC	HDAC6	cg17152375	-0.28476728985966	432	-3.88465305914366	0.000146279996022259	0.0810924093740156	0.00133298653046218
UCEC	HDAC6	cg24616736	-0.211137431240613	548	-2.85750415021501	0.00478784597555303	0.0445790148708844	0.0239543179511333
UCEC	HDAC6	cg26680189	-0.111483992222238	439	-1.46698722903918	0.144216247730843	0.0124286805218081	0.307429733506636
UCEC	HDAC9	cg00332048	-0.124922923392352	439	-1.64647695703771	0.101502201766526	0.0156057367888916	0.240842502416432
UCEC	HDAC9	cg02301805	0.0335270367792242	439	0.438669510819878	0.661454746984864	0.00112406219519545	0.803050694173131
UCEC	HDAC9	cg03260621	0.00535465433028893	439	0.0700221951666599	0.944257813571838	2.8672322996882e-05	0.970185463237239
UCEC	HDAC9	cg07513622	-0.074246999522749	439	-0.97074179724903	0.333056007284712	0.00551261693813108	0.532695142389993
UCEC	HDAC9	cg08146609	-0.0785711895738424	439	-1.03063783697046	0.304166207222336	0.00617343183104869	0.502758013909581
UCEC	HDAC9	cg08285151	-0.277211930807563	554	-3.81675225736688	0.000187409193219438	0.0768464545820572	0.00164292436075197
UCEC	HDAC9	cg08725366	0.171094001900894	439	2.27082841717308	0.024404666480541	0.0292731574864633	0.0846566073886193
UCEC	HDAC9	cg10068437	0.0678631752345664	439	0.889476734926195	0.374996522846868	0.00460541055291746	0.573708027657363
UCEC	HDAC9	cg11321459	-0.0683871211724765	439	-0.896376192526849	0.371312037478786	0.00467679834225898	0.569950567538044
UCEC	HDAC9	cg11765288	-0.0739639534248279	439	-0.969860725807139	0.333485721698005	0.00547066640623011	0.53308651283801
UCEC	HDAC9	cg12081743	-0.117863556494911	551	-1.57013243400191	0.118190625773996	0.013891817949629	0.267944675548952
UCEC	HDAC9	cg16475478	0.056684162781545	439	0.742435328810078	0.458842246219803	0.00321309431024469	0.648790826682601
UCEC	HDAC9	cg18856632	0.00901415758530193	439	0.117880195203545	0.906300935316528	8.12550369726563e-05	0.950392079494029
UCEC	HDAC9	cg19585556	-0.141476529751992	437	-1.86337077575384	0.0641349968674352	0.0200156084706662	0.172844105394071
UCEC	HDAC9	cg20648975	-0.0804628509531446	439	-1.05561101247337	0.292635088133009	0.00647427038350796	0.490292342484047
UCEC	HDAC9	cg21433125	-0.0495749521272355	439	-0.64907471766731	0.517160890268019	0.00245767587841769	0.698133100185851
UCEC	HDAC9	cg23074799	-0.0818720744831398	439	-1.07422262719502	0.28423638208947	0.00670303658017279	0.481522891267631
UCEC	HDAC9	cg23385718	0.146397783236043	439	1.93525019515151	0.0546094178210665	0.0214323109364275	0.15388561447817
UCEC	HDAC9	cg24350771	0.0630894634447068	439	0.826648573531772	0.409588248433095	0.003980280397741	0.605516859841971
UCEC	HDAC9	cg25620356	-0.120814274351137	439	-1.59150923887018	0.113341959667106	0.0145960888869918	0.260475959472211
UCEC	HDGF	cg00692559	0.0205103420321206	439	0.268263956435156	0.788819490578091	0.000420674130274573	0.8838270665687
UCEC	HDGF	cg00746981	-0.0286829027031824	554	-0.379595317514244	0.704706076855164	0.000822708907480225	0.831504217179636
UCEC	HDGF	cg01910231	0.0170605386656304	439	0.223127966294523	0.823702228426942	0.000291061979561468	0.905100366042642
UCEC	HDGF	cg02914429	0.0892216684156444	439	1.17139647900195	0.243069072223853	0.00796050611487119	0.43561821333815
UCEC	HDGF	cg04402095	0.00616020106335453	439	0.080556610219893	0.935888776852153	3.79480771409542e-05	0.965809189940193
UCEC	HDGF	cg05762852	0.184643906595971	439	2.45677544235965	0.0150176337496578	0.0340933722430218	0.0584286971703365
UCEC	HDGF	cg05967123	0.192277706940131	439	2.56216587611354	0.0112647228408414	0.036970716586155	0.0467832264571149
UCEC	HDGF	cg06106793	0.032496592626223	554	0.430116680462948	0.667639955613795	0.00105602853231469	0.807205083812399
UCEC	HDGF	cg06119628	-0.197263792107959	439	-2.63126192929367	0.00928432455570801	0.0389130036768119	0.0402524156624906
UCEC	HDGF	cg07313589	0.141602468061499	439	1.87054085638906	0.0631175306784379	0.0200512589611078	0.170828131511476
UCEC	HDGF	cg07892339	0.149494047443438	439	1.97710581467278	0.0496370978285371	0.0223484702210208	0.143506332260785
UCEC	HDGF	cg08597205	0.100858721160137	439	1.32565877416967	0.186721000864707	0.0101724816340583	0.365741100344169
UCEC	HDGF	cg08708935	0.102632041421494	439	1.3492127576781	0.179052392469622	0.0105333359263432	0.35580300335149
UCEC	HDGF	cg09063372	0.168145468801457	439	2.23054539358188	0.027012029094137	0.0282728986784617	0.0912797367672279
UCEC	HDGF	cg09477492	0.0775394756635342	439	1.0170221819887	0.31057965918136	0.00601237028617582	0.509387729173042
UCEC	HDGF	cg11588596	0.145475935280574	439	1.92279984968289	0.0561669998372642	0.0211632477457578	0.156937561430218
UCEC	HDGF	cg12220178	-0.0183200293850368	439	-0.239605682216569	0.81092292150379	0.000335623476668613	0.89805736633354

UCEC	HDGF	cg12421458	0.113705684862985	553	1.51400393039081	0.131828824094469	0.0129289827701605	0.288862674748756
UCEC	HDGF	cg13170934	-0.0305174932988655	439	-0.39925396728952	0.690204266048497	0.000931317397246299	0.821973308022809
UCEC	HDGF	cg13235992	0.0218926350021715	439	0.286351981429276	0.774955177475034	0.000479287467338306	0.875282940262973
UCEC	HDGF	cg14155849	-0.0480284262795142	439	-0.628778799784608	0.530332894481649	0.00230672973088673	0.708233347523826
UCEC	HDGF	cg15503799	-0.0388904752995018	554	-0.514862133917956	0.607299041974481	0.00151246906902116	0.765406383287588
UCEC	HDGF	cg17170583	-0.0765354400890439	439	-1.00377495776178	0.316905378773664	0.00585767358962363	0.51614892044884
UCEC	HDGF	cg17218029	-0.0498331409638147	439	-0.652463525111287	0.514978328637501	0.00248334193831942	0.696402179382085
UCEC	HDGF	cg17971171	0.110082028491034	439	1.44831141770598	0.14936108152292	0.0121180529967008	0.314803467244488
UCEC	HDGF	cg18593717	0.0582229070906476	439	0.762657070225085	0.446718700185592	0.00338990691008619	0.638460336246586
UCEC	HDGF	cg19599803	0.157352427428215	439	2.08360649129648	0.0386831221775237	0.0247597864175515	0.119469403576096
UCEC	HDGF	cg20284773	0.136464649514309	439	1.801358666121	0.0734081701327626	0.0186226005670632	0.19091719668722
UCEC	HDGF	cg23747104	0.0899468306785256	439	1.18099451582621	0.23924489601406	0.00809043234911135	0.431078574186862
UCEC	HDGF	cg26431298	0.129232785822072	439	1.70422914336754	0.0901546084687362	0.0167011129313335	0.221060651726352
UCEC	HDGFL1	cg02685945	-0.0359829274542447	439	-0.470842748912816	0.638353097502682	0.00129477106817744	0.787311240406703
UCEC	HDGFL1	cg03930485	0.00745756679263366	439	0.0975230519661075	0.92242524152151	5.56153024665923e-05	0.959255225767048
UCEC	HDGFL1	cg05276066	0.00961494541912599	439	0.125737538463359	0.900087394580158	9.24471754127718e-05	0.947348893617751
UCEC	HDGFL1	cg06566039	0.0154240772554247	439	0.201719978397761	0.840375410177628	0.000237902159181311	0.9144542698394
UCEC	HDGFL1	cg08671671	0.0490457573957179	439	0.642129281901918	0.521649152455838	0.00240548631851962	0.701598764996274
UCEC	HDGFL1	cg09081892	0.0385473895721373	439	0.504447445915011	0.614596374422879	0.00148590124282612	0.770790848282879
UCEC	HDGFL1	cg11894257	0.0197908483790939	439	0.258849622048662	0.796062592640198	0.000391677679564285	0.888315188006191
UCEC	HDGFL1	cg15317945	-0.00945158390254566	439	-0.123601018176242	0.90177634730212	8.93324382668603e-05	0.948110452198022
UCEC	HDGFL1	cg20209681	0.0211441545337031	439	0.276557526503811	0.782453869300549	0.000447075270945115	0.879807992740259
UCEC	HDGFL1	cg21898884	-0.0809305001185448	439	-1.06178654284498	0.289829867577027	0.00654974584943778	0.487292516064129
UCEC	HIST1H1	cg00667898	-0.186903881537663	439	-2.48792713550957	0.0138067543846639	0.0349330609338446	0.0547870421169133
UCEC	HIST1H1	cg00700007	-0.150235791898234	439	-1.98714157438529	0.0485035240956781	0.0225707931672894	0.14106258751726
UCEC	HIST1H1	cg03821311	-0.0589485509124266	554	-0.781174474417016	0.435755375891491	0.00347493165467495	0.628915116827196
UCEC	HIST1H1	cg04676561	-0.175278229387495	554	-2.35517361109456	0.0196220451718703	0.0307224576972154	0.0717565638180077
UCEC	HIST1H1	cg07138603	-0.154717596902062	439	-2.04785385676059	0.0421036063309815	0.023937534791149	0.127116387274901
UCEC	HIST1H1	cg11206041	-0.156381682761369	439	-2.07042896601581	0.0399150536179366	0.0244552307032775	0.122290005060163
UCEC	HIST1H1	cg14334286	-0.154940517296649	439	-2.0508769703877	0.0418047142074785	0.0240065639001531	0.126449548468314
UCEC	HIST1H1	cg18798248	-0.154496027756382	439	-2.04484938551285	0.042402460672018	0.0238690225925009	0.127785265001267
UCEC	HIST1H1	cg23460835	-0.158367597770132	439	-2.0973937055232	0.0374292252812269	0.0250802960234824	0.116626207312936
UCEC	HIST1H1	cg00903962	0.0192368538156451	439	0.251601062939822	0.801651551952364	0.000370056544724499	0.891739183898286
UCEC	HIST1H1	cg04290376	-0.0190651578425974	439	-0.249354610991745	0.803385760767013	0.000363480243563154	0.892900805387656
UCEC	HIST1H1	cg07750111	0.00414339168759717	554	0.0548123904517829	0.95635045471645	1.71676946768493e-05	0.976973814959796
UCEC	HIST1H1	cg08283682	0.00960291888703456	439	0.12558024936565	0.900211718607727	9.22160511509651e-05	0.947376337339805
UCEC	HIST1H1	cg10717387	-0.0434836348810736	439	-0.569160657060954	0.569993949766804	0.00189082650247052	0.738100228513195
UCEC	HIST1H1	cg12633985	0.0155456201725606	439	0.203309930104931	0.839134522975343	0.000241666306549522	0.913883763076869
UCEC	HIST1H1	cg15022984	-0.00176909929581315	439	-0.0231340113560439	0.981570348912358	3.12971231844657e-06	0.990504927553699
UCEC	HIST1H1	cg16481032	-0.024068914171856	439	-0.314833100274395	0.753272209903067	0.000579312629412172	0.861968379283349
UCEC	HIST1H1	cg16482183	0.0117850673373026	439	0.154120455796474	0.877696502036772	0.000138887812144757	0.935092533168745
UCEC	HIST1H1	cg17691542	-0.00011161971818329	439	-0.0014596172240951	0.998837095754269	1.24589614873187e-08	0.9994023540464
UCEC	HIST1H1	cg20855557	0.00459551857774316	439	0.0600948377891486	0.95215027628766	2.11187909983825e-05	0.974757298534847
UCEC	HIST1H1	cg21453677	-0.661183761953068	115	-1.24636782840973	0.338816238046932	0.437163967070412	0.538157344575585
UCEC	HIST1H1	cg23407813	-0.0210540319070837	439	-0.275378232842071	0.783358135935007	0.0004432722595445	0.880475637838863
UCEC	HIST1H3	cg00958605	-0.0743881931005863	439	-0.975454482022667	0.330712772901566	0.00553360327277011	0.53040860643448
UCEC	HIST1H3	cg01043409	-0.0491668709798699	439	-0.643718793553715	0.520620201287677	0.00241738120195118	0.700892171149357
UCEC	HIST1H3	cg08041469	-0.0496206749237086	439	-0.649674833830254	0.516774033638365	0.00246221137988436	0.697865175635998
UCEC	HIST1H3	cg08401836	-0.0447472235337561	439	-0.585732580278603	0.558827486132015	0.00200231401397993	0.729781915010056
UCEC	HIST1H3	cg10075390	-0.0281128830744141	439	-0.367769007936422	0.713500285741499	0.00079033419475568	0.837003337639002
UCEC	HIST1H3	cg15479139	-0.0380090701658618	439	-0.497392506076115	0.619551247597358	0.00144468941487341	0.774329570008176
UCEC	HIST1H3	cg15797414	-0.0708942752976504	554	-0.940208829324323	0.348406421220968	0.00502599826997904	0.547620502130844
UCEC	HIST1H3	cg21209604	-0.0243714643832812	439	-0.318792941568331	0.750272588422729	0.000593968276185546	0.860059300982195
UCEC	HIST1H3	cg23099349	-0.0345229640014521	554	-0.456968282937211	0.648260569109789	0.00119183504344556	0.794022998651094
UCEC	HIST1H3	cg25701114	0.0406656126314754	439	0.532212127375952	0.595269906429473	0.00165369205069321	0.756693375775075
UCEC	HLTF	cg00906762	-0.175546247555063	439	-2.33177475681605	0.0208781473235286	0.0308164850306635	0.0752569082052906
UCEC	HLTF	cg02059813	-0.23059325213896	554	-3.13494812357348	0.0020162372175844	0.0531732479320222	0.0119742849152425

UCEC	HLTF	cg02398045	-0.182188484778397	439	-2.42297540678959	0.0164373612730568	0.033192643985848	0.0625919541526876
UCEC	HLTF	cg02611507	-0.275849531181824	439	-3.75280646506754	0.000239284021679513	0.0760929638532319	0.00201765241518925
UCEC	HLTF	cg02710346	-0.179985333891363	439	-2.39268792882645	0.0178092884150547	0.0323947204159854	0.0666112247786486
UCEC	HLTF	cg03678609	-0.18176597003426	439	-2.41716404142363	0.0166930980845939	0.0330388678624954	0.0633381881867483
UCEC	HLTF	cg04120413	-0.344295856987022	439	-4.79543996101848	3.51321834311477e-06	0.118539637138428	5.20684526165499e-05
UCEC	HLTF	cg04731810	-0.316781308142632	439	-4.36737925429494	2.17347705236196e-05	0.100350397188557	0.000257513667090232
UCEC	HLTF	cg04836786	-0.183970949211388	551	-2.47596750312702	0.0142384165236407	0.0338453101537391	0.0560671884511089
UCEC	HLTF	cg05555455	-0.192189409808944	439	-2.56094414980434	0.0113029114610627	0.03693676924271	0.0469059369573197
UCEC	HLTF	cg07275648	-0.259399116589121	439	-3.51230921292362	0.000568295190586001	0.0672879016872164	0.00417705556088883
UCEC	HLTF	cg09352720	-0.268910763613608	439	-3.65094680719999	0.000346958412721091	0.0723129987872536	0.00276069170085145
UCEC	HLTF	cg09392355	-0.187944953761605	439	-2.50229110163318	0.0132783154757763	0.035323305644452	0.0531829930557867
UCEC	HLTF	cg15438497	-0.163441983587121	439	-2.16641314023914	0.0316638519593982	0.0267132819988929	0.102729906553066
UCEC	HLTF	cg16724124	-0.150281124748602	439	-1.98775503636729	0.0484349485325514	0.0225844164557048	0.140900021918379
UCEC	HLTF	cg20117402	-0.220373505087509	439	-2.95438952207351	0.00357456667717596	0.0485644817445544	0.0189595581976019
UCEC	HLTF	cg21089667	-0.27175704396766	554	-3.73559350838192	0.000253221150335298	0.0738518909460409	0.00211590614062128
UCEC	HLTF	cg21111416	-0.312754143930491	439	-4.30579514821601	2.79691941706132e-05	0.0978151545456944	0.000320635940363791
UCEC	HLTF	cg21835021	-0.257877418320041	439	-3.49023271709206	0.000613940134158256	0.0665007628794093	0.00446113009496613
UCEC	HLTF	cg21926402	-0.185963667042166	439	-2.47496219769957	0.0142997249768203	0.0345824854597696	0.0562687306447527
UCEC	HLTF	cg24041269	-0.168538712270163	439	-2.23591432017135	0.0266510662130581	0.0284052975336848	0.0903631905935599
UCEC	HLTF	cg24710191	0.09896911547693	439	1.2929462134945	0.197794388289808	0.00979488581828591	0.38019412538588
UCEC	HLTF	cg25951608	-0.235267161653092	439	-3.16536685349963	0.00183398037271856	0.0553506373523021	0.0110744911212658
UCEC	HLTF	cg26151310	-0.182923268133457	554	-2.46137773344224	0.0148100332508489	0.0334609220246246	0.0577973174835227
UCEC	HLTF	cg27554556	-0.204646181953903	439	-2.73395752056653	0.0069166341867425	0.0418800597883101	0.0321052681444748
UCEC	IDH1	cg00707300	-0.0288218071555242	439	-0.377050674170698	0.706603449079038	0.000830696567710227	0.832719572828109
UCEC	IDH1	cg01046174	-0.0496149459751788	554	-0.657153378655205	0.511945636119117	0.00246164286411991	0.693840827998921
UCEC	IDH1	cg02241586	-0.0265428584932565	554	-0.351252767976645	0.725821250630695	0.000704523336993039	0.844670571618661
UCEC	IDH1	cg03448938	0.00202383106220686	439	0.0264650794359862	0.978917245925384	4.09589216835336e-06	0.989094294612233
UCEC	IDH1	cg05268564	-0.0380736114139643	439	-0.498238327784872	0.618956277738534	0.00144959988610155	0.773875619152072
UCEC	IDH1	cg07129696	0.00927607794901237	439	0.121305678139995	0.903591349214408	8.60456221161536e-05	0.94890107339488
UCEC	IDH1	cg07915542	-0.019554059900019	554	-0.25872536609297	0.796151204589938	0.00038236125857353	0.888388582553318
UCEC	IDH1	cg09406631	-0.0159229224875595	439	-0.208245630943299	0.835285008839668	0.000253539460544828	0.911797518840305
UCEC	IDH1	cg09615745	0.0833357549406275	439	1.09356032357088	0.275685958425068	0.00694484805152432	0.472124189885083
UCEC	IDH1	cg10356455	0.00725955183108124	439	0.0949334600027379	0.924478832219584	5.2701092788155e-05	0.960173376861637
UCEC	IDH1	cg14772913	0.0784911143832675	439	1.02958095616749	0.304660835971424	0.00616085503712719	0.503180015149271
UCEC	IDH1	cg15399923	-0.0680848217307333	439	-0.892395343586154	0.373435138509255	0.00463554295010573	0.57199419490813
UCEC	IDH1	cg16085695	0.136229871410082	439	1.79820089743557	0.0739091324945302	0.0185585778644074	0.191777694315716
UCEC	IDH1	cg16863783	0.086511969156864	439	1.13554817717792	0.257734772030991	0.00748432080739819	0.452243574047117
UCEC	IDH1	cg24324379	-0.0823967016420372	554	-1.0937249980328	0.275578805422183	0.00678921644148689	0.471992637524787
UCEC	IDH1	cg24830471	0.114759575875193	439	1.51065664402619	0.132721639383727	0.0131697602550542	0.290254897509774
UCEC	IDH1	cg24987806	0.0171545321266106	439	0.224357630074112	0.822746886269543	0.000294277972482914	0.904636846198569
UCEC	IDH1	cg25795625	0.0482721712863225	439	0.631977296254213	0.528245724760609	0.00233020252069606	0.706671273765766
UCEC	IDH1	cg26105702	-0.068411070820233	439	-0.89669158553823	0.371144152929197	0.00468007461077094	0.569842666633259
UCEC	ING2	cg02075087	0.00268118591144033	439	0.0350611813338387	0.972071848926898	7.18875789170614e-06	0.985249114542922
UCEC	ING2	cg02552216	-0.118628974602067	439	-1.56230713072898	0.120064427319597	0.0140728336151378	0.270819451387421
UCEC	ING2	cg10348863	0.0216942849704946	554	0.287055972764969	0.774409065405533	0.000470642000381027	0.874971008295326
UCEC	ING2	cg17985608	-0.0349292115771754	439	-0.457037599739049	0.648224091486754	0.00122004982140308	0.793990820209103
UCEC	ING3	cg01382559	-0.189030513039336	439	-2.51727818034851	0.0127462519971264	0.0357325348599145	0.0515750508615651
UCEC	ING3	cg01416111	-0.340313484362127	439	-4.73265902550682	4.62397026050189e-06	0.115813267638692	6.64911538716236e-05
UCEC	ING3	cg10268125	-0.200435286923609	439	-2.6753219396988	0.0081910954912431	0.0401743042441496	0.0365901856242185
UCEC	ING3	cg14303833	-0.0766691452873974	439	-1.0055388831474	0.31605819569282	0.00587815783910004	0.515286932595508
UCEC	ING3	cg16130600	-0.199035174302765	439	-2.65586016260538	0.00865879623557735	0.0396150006097319	0.0381644416062609
UCEC	ING3	cg18485114	0.0903890025299206	439	1.18684790220183	0.236933832308842	0.00817017177835399	0.428283350387668
UCEC	ING3	cg19478983	-0.225138484758483	439	-3.0216430343766	0.00290044266975277	0.0506873373193457	0.0160173945517674
UCEC	ING3	cg19960827	-0.0320279199913951	439	-0.419034375132135	0.675716895804743	0.00102578765897521	0.812543979228896
UCEC	ING3	cg20553930	-0.111582080656707	439	-1.46829421333851	0.14386139332626	0.01245056072368	0.306980599614536
UCEC	ING3	cg24859794	0.164507173433396	439	2.18092358342179	0.0305546393439372	0.0270626101110453	0.100058243797618
UCEC	ING4	cg00369908	-0.112536014554119	439	-1.48100722626316	0.140444880336494	0.0126643545717249	0.301954254062867

UCEC	ING4	cg00443163	-0.17963492494133	439	-2.38787417950341	0.0180364167196952	0.0322687062586773	0.0672381158851814
UCEC	ING4	cg00591160	-0.281985727769801	437	-3.84341295237942	0.000170852783176238	0.0795159506658646	0.00152168127426296
UCEC	ING4	cg03930474	-0.108201824183332	554	-1.43982890131983	0.151702285127537	0.0117076347566006	0.318148900275879
UCEC	ING4	cg04375284	-0.248805161172093	439	-3.3591840541671	0.000963888885057343	0.0619040082258712	0.00651192113974389
UCEC	ING4	cg08733494	-0.298687066570196	439	-4.09266588191133	6.56178276477718e-05	0.0892139637363085	0.000672907103088684
UCEC	ING4	cg12392916	-0.262231933062741	439	-3.55348202740289	0.000491561388748828	0.0687655867178221	0.00369580812567182
UCEC	ING4	cg18123790	0.0615243883017418	439	0.806062794660921	0.421326183386036	0.0037852503559035	0.616470995812476
UCEC	ING4	cg23354319	-0.260637452791364	439	-3.53029543669871	0.000533484328919383	0.0679318817975706	0.00395937444170525
UCEC	ING4	cg27116036	-0.330572631099766	439	-4.58030000250648	8.91225788506691e-06	0.109278264432222	0.000118159379781611
UCEC	INO80	cg00734724	-0.0288264804237298	439	-0.377111861320686	0.706558063124767	0.000830965973619678	0.832696882416647
UCEC	INO80	cg06380007	0.0827713480954899	554	1.09873224243089	0.273394190988649	0.00685109606554475	0.469777540675269
UCEC	INO80	cg12580230	-0.0790485869067636	439	-1.03693923303572	0.301228273980946	0.00624867909195616	0.499589654757893
UCEC	INO80	cg18952654	-0.00366490694237731	439	-0.0479251988536728	0.961831784141178	1.34315428962854e-05	0.980001978725799
UCEC	INO80	cg21007089	0.0297144416643101	439	0.388738400939799	0.697953271119106	0.000882948043421686	0.826728359955793
UCEC	INO80	cg21598047	-0.106881266404158	439	-1.40570609558522	0.161625758060853	0.0114236051081567	0.331974724331989
UCEC	INO80	cg22835709	-0.203618281976225	439	-2.71962982525205	0.00721026454099302	0.0414604047549493	0.0331765138523695
UCEC	INO80	cg26409855	0.160861619122078	439	2.13129453744475	0.0344935527861189	0.0258764605065765	0.109611186039922
UCEC	INO80	cg27441689	-0.227524270749587	439	-3.0554017345844	0.00260813489698004	0.0517672937801312	0.014714427890033
UCEC	INTS12	cg00093890	-0.0631306509836923	439	-0.827190404337109	0.409281971749787	0.00398547909362477	0.605271114559786
UCEC	INTS12	cg01852585	-0.0123648336102993	439	-0.161703542310836	0.871730216597608	0.000152889110210387	0.931965209988103
UCEC	INTS12	cg03607115	-0.0467640013885376	439	-0.612188423920481	0.541226264766138	0.00218687182586715	0.716276673573541
UCEC	INTS12	cg19703969	-0.124538100346221	439	-1.6413249821463	0.102567920263384	0.0155097384378454	0.242579539384359
UCEC	INTS12	cg26533745	0.00735152275684595	439	0.0961362322056896	0.923524949307641	5.40448868444239e-05	0.959803374973999
UCEC	IWS1	cg02372421	0.0153874436576503	439	0.201240761351662	0.840749496594776	0.000236773422317363	0.91466942170828
UCEC	IWS1	cg02592214	0.00960612430781638	439	0.125622171482068	0.900178582399144	9.22776242172207e-05	0.947367965464346
UCEC	IWS1	cg10180764	0.0305433686722934	439	0.399592805342923	0.689955112258897	0.000932897369851632	0.821802214001326
UCEC	IWS1	cg10488833	-0.101392826455031	439	-1.33275163062835	0.184386411252199	0.01028050525654	0.362825822376642
UCEC	IWS1	cg15239145	-0.242820885898189	439	-3.27326004960276	0.00128651101263709	0.0589619826283813	0.00827541241252606
UCEC	IWS1	cg17144508	0.0715377576619038	439	0.937880519678904	0.34962859273926	0.00511765077129327	0.548676808350642
UCEC	IWS1	cg18451256	-0.147449050683558	439	-1.94945475166647	0.052876923138637	0.0217412225474825	0.150256857707928
UCEC	IWS1	cg18530950	0.0135128174632754	439	0.17671915215735	0.859938125557603	0.0001825962357958	0.925514326383168
UCEC	IWS1	cg19311602	-0.0806595668273062	554	-1.07051381905544	0.285862325694793	0.00650596572076868	0.48313832073477
UCEC	IWS1	cg19409088	-0.0813841392113794	439	-1.06777773792164	0.287125889279134	0.00662337811517718	0.484579052621347
UCEC	IWS1	cg21581038	-0.0803430424467213	439	-1.05402899704837	0.293356664520829	0.00645500446959565	0.491078248401906
UCEC	IWS1	cg21679674	-0.0576466524071677	439	-0.755083463606895	0.45123763248271	0.00332313653375281	0.641876435505494
UCEC	IWS1	cg22409775	-0.0133891223628329	439	-0.175101189742704	0.861207282535538	0.000179268597646911	0.926245759579237
UCEC	IWS1	cg23570261	-0.119311557643836	554	-1.58969898650994	0.113707616906082	0.0142352477873984	0.26092178483841
UCEC	IWS1	cg23623107	-0.110127362722549	439	-1.44891518562219	0.149192573459707	0.012128036020224	0.314626660043855
UCEC	JADE1	cg09863040	-0.0770391650723117	177	-1.01042070804696	0.313721365501439	0.00593503295503889	0.512800867280581
UCEC	JADE1	cg12832492	-0.0666569056774145	177	-0.873595061699425	0.38356397682137	0.00444314307448773	0.581815232477512
UCEC	JADE1	cg14617908	0.221992705318536	177	2.97721787475295	0.00333110393001361	0.0492807612146422	0.0179087698086716
UCEC	JADE1	cg15389440	-0.0261992718466191	177	-0.342717576300428	0.732231854043972	0.000686401845293046	0.848724430920323
UCEC	JADE1	cg15836763	0.0616945660239369	177	0.808300887838257	0.420040465593858	0.00380621947688191	0.615344292797179
UCEC	JADE1	cg20039387	0.181510892153041	177	2.41365631180431	0.0168491603455173	0.0329462039701927	0.0637996388376331
UCEC	JADE1	cg22922695	-0.0381042028001516	177	-0.498639234182581	0.618674359167796	0.00145193027103508	0.773688979049231
UCEC	JADE1	cg26766900	-0.122729004964171	177	-1.61711502318112	0.107696688691589	0.0150624086594954	0.251249211301909
UCEC	JADE2	cg04590931	-0.0994334553595225	188	-1.32193218733941	0.18791608973786	0.00988701204473415	0.367360513772606
UCEC	JADE2	cg04842522	0.0733716045199276	178	0.962051272567003	0.337382278723137	0.00538339234982865	0.536954111926917
UCEC	JADE2	cg17378563	-0.0408143553261502	178	-0.534162043038475	0.593923181177411	0.00166581160068925	0.755715009347806
UCEC	JADE2	cg18145011	0.0419437862791929	178	0.548969285349347	0.58374263441741	0.00175928120743461	0.748663377711855
UCEC	JADE2	cg21194015	-0.0981574132123498	178	-1.28980332216703	0.198860596688513	0.00963487776853997	0.381560582952457
UCEC	JADE2	cg25669900	-0.0380914195948678	178	-0.498471707481696	0.618792157559842	0.00145095624675228	0.773741334167168
UCEC	JADE2	cg26133206	0.0533199467400722	178	0.698242041913422	0.485974275547995	0.00284301672036414	0.672520197068679
UCEC	JADE3	cg10860619	-0.120212269619006	178	-1.58346234007642	0.115163826640871	0.0144509897669526	0.263142082411772
UCEC	JADE3	cg17843048	-0.274844951934961	188	-3.78148748528374	0.00021371869611061	0.0755397476041311	0.00183388840119444
UCEC	JADE3	cg19194595	-0.172229803397614	188	-2.31294900546778	0.0218888918874212	0.0296631051783808	0.0779681527239032
UCEC	JARID2	cg01769037	-0.015477271754837	554	-0.204769587516021	0.837990117478827	0.000239545940973076	0.913311608463789

UCEC	JARID2	cg03223185	0.0517953047042188	439	0.678221858909271	0.498547777885969	0.00268275358940287	0.682805334991656
UCEC	JARID2	cg05197191	-0.139265174503879	439	-1.83904977756914	0.0676421453097296	0.019394788829596	0.179835038181371
UCEC	JARID2	cg06047828	-0.0275442237707046	439	-0.36032417576045	0.719049398899496	0.00075868426313065	0.84060002912296
UCEC	JARID2	cg14862454	-0.0620009484692985	439	-0.812330456642521	0.417731470187572	0.0038441176110926	0.613127844077053
UCEC	JARID2	cg15109221	0.0569989553222884	439	0.746571806488702	0.456347272236001	0.00324888090783223	0.646587050595382
UCEC	JARID2	cg21397480	-0.0134630805967101	439	-0.176068580707253	0.860448401083846	0.000181254539153512	0.925853255436054
UCEC	JARID2	cg21901688	-0.0875048289923462	439	-1.14531670893487	0.25368778283745	0.00765709509697975	0.447707342802037
UCEC	JARID2	cg25338254	-0.070789153791279	439	-0.928016416818966	0.354707099318797	0.00501110429448536	0.553640727108735
UCEC	JMJD6	cg02318866	0.138085261881856	439	1.82316439167816	0.0700247856761083	0.0190675395489807	0.184442464089628
UCEC	JMJD6	cg04510639	-0.225551323051027	439	-3.02748054849546	0.00284783170077006	0.0508733993300688	0.0157907497740347
UCEC	JMJD6	cg07312083	-0.0990590257004203	439	-1.30176751389498	0.194746791859904	0.00981269057271653	0.376232540129865
UCEC	JMJD6	cg08857478	0.169739597332415	439	2.25231673693856	0.0255742104432854	0.0288115309025702	0.0876479196098923
UCEC	JMJD6	cg10712116	0.0759592165338848	439	0.99617366620559	0.320573323226905	0.0057698025764416	0.519989180715468
UCEC	JMJD6	cg12504415	-0.185852749421615	439	-2.47343318207294	0.0143588838685864	0.0345412444675735	0.0564472692744865
UCEC	JMJD6	cg15457598	0.197692459316406	439	2.63721213018815	0.00912939140677343	0.0390823084705687	0.0397588241112093
UCEC	JMJD6	cg21102709	-0.0896218910210578	439	-1.17669347581227	0.240953246841331	0.00803208335019036	0.43311997799812
UCEC	JMJD6	cg21807925	-0.227635414143835	439	-3.05697581418553	0.00259519234208912	0.0518178817724354	0.0146573539320808
UCEC	JMJD6	cg23630158	-0.27673741228134	439	-3.76588573114058	0.000228010927693211	0.0765835953561722	0.00193793096350548
UCEC	JMJD6	cg25004679	-0.0424366887713292	439	-0.555432070114549	0.579325072495544	0.00180087255387466	0.745402107689059
UCEC	JMJD6	cg25908504	-0.256235333141265	439	-3.46644087734955	0.000666972541526437	0.0656565459500151	0.00478657397560034
UCEC	JMJD6	cg26612088	-0.0750019571624717	439	-0.983548130404598	0.326727291797252	0.00562529357820124	0.526218850939411
UCEC	JMJD8	cg00873473	-0.050358736250143	439	-0.659362529911695	0.510549985366002	0.00253600231671146	0.692839646261081
UCEC	JMJD8	cg02851105	-0.062077725046656	439	-0.813340265001525	0.417154021119813	0.00385364394696822	0.612650177817532
UCEC	JMJD8	cg03899598	-0.0897992579083205	439	-1.17904113260352	0.240019698546	0.00806390672088506	0.431974376603529
UCEC	JMJD8	cg05787952	-0.0551312649627943	439	-0.722032966723245	0.471260408683255	0.00303945637639783	0.659595377015071
UCEC	JMJD8	cg06191810	-0.0664354560180476	439	-0.870679888774206	0.385149616733151	0.00441366981632594	0.583242413846819
UCEC	JMJD8	cg06646636	-0.158111521533042	439	-2.09391524579217	0.0377422413871083	0.0249992532414935	0.117350916325688
UCEC	JMJD8	cg08398290	-0.0677428584542325	439	-0.887892476583559	0.375845764082839	0.00458909487155018	0.574363441854799
UCEC	JMJD8	cg26750188	0.123496599151435	439	1.62738522803864	0.105496508209529	0.0152514100019702	0.24747445525592
UCEC	JMJD8	cg27579097	-0.121623559726203	439	-1.60232963379622	0.110928349016939	0.0147922902804733	0.256442898678309
UCEC	KAT2B	cg00770008	0.0360137550275709	439	0.471246656613076	0.638065254544493	0.00129699055118589	0.787112069074327
UCEC	KAT2B	cg04371528	-0.00168428770617141	439	-0.022024950949636	0.982453731743629	2.83682507716014e-06	0.99086013440589
UCEC	KAT2B	cg05072819	-0.125069840723661	439	-1.64844407147434	0.101097645740305	0.0156424650586419	0.240109609303046
UCEC	KAT2B	cg12062464	0.0902929091620334	554	1.19936200469009	0.232008581817492	0.00815280944494321	0.422619024875155
UCEC	KAT2B	cg14937543	-0.0676916081490615	439	-0.887217655492126	0.376207865255909	0.00458215381380609	0.574709297173866
UCEC	KAT2B	cg18053505	-0.109222896909515	554	-1.45357946816001	0.147853889958157	0.0119296412093064	0.312728263061579
UCEC	KAT5	cg00582417	-0.250323117274938	439	-3.38104400832575	0.000894827796726239	0.0626616630422422	0.00612244798755682
UCEC	KAT5	cg02561205	-0.227291855593417	439	-3.0521105382555	0.00263538867099954	0.0516615876190989	0.0148466526375363
UCEC	KAT5	cg05785768	-0.330111138383813	439	-4.57312307886819	9.18861340204544e-06	0.108973363685057	0.000121547184322177
UCEC	KAT5	cg07564927	-0.194434803547267	439	-2.59203277542985	0.010366388311655	0.0378048928304642	0.0438355608151811
UCEC	KAT5	cg14726348	-0.296529023301191	439	-4.06023385973572	7.45036918998822e-05	0.0879294616599581	0.000748394520263293
UCEC	KAT5	cg18896539	0.121299414703631	554	1.6165772923369	0.107770785156206	0.0147135480074434	0.251369305922763
UCEC	KAT5	cg20108992	0.0333496666416382	439	0.436346199761539	0.663135979935695	0.0011122002651084	0.804140109162743
UCEC	KAT5	cg20423942	0.0401007751799066	439	0.524807813894481	0.600396514461751	0.00160807217002941	0.760516267360002
UCEC	KAT5	cg22048492	-0.018046080431308	554	-0.238766086372849	0.811566344335093	0.000325661018933238	0.898450174199944
UCEC	KAT6A	cg10163397	-0.0574972806496355	439	-0.753120422663768	0.452413161440383	0.00330593728210294	0.642831588695766
UCEC	KAT6A	cg12468056	0.44145399822704	548	6.5084056236984	7.72737484520504e-10	0.194881632550639	2.61253106783086e-08
UCEC	KAT6A	cg15251374	-0.4053384067828	432	-5.79816284489938	3.16504815913527e-08	0.164299224013219	7.75013397833709e-07
UCEC	KAT6A	cg20966972	0.332619307165901	548	4.66580526842932	6.08755203273813e-06	0.110635603499524	8.461229637928e-05
UCEC	KAT6B	cg04396765	-0.0972174786949754	439	-1.27733401972538	0.203215904492101	0.00945123816380799	0.387076691430777
UCEC	KAT6B	cg06972998	-0.269966880850024	439	-3.66641030468058	0.000328089945067333	0.0728821167558912	0.00263318159357971
UCEC	KAT6B	cg09631472	0.0763816038182242	439	1.00174551764122	0.317881941273487	0.00583414940184416	0.51716560510759
UCEC	KAT6B	cg10359932	0.0879132347477229	439	1.15408317138072	0.250076462607956	0.00772873684380823	0.443709620985821
UCEC	KAT6B	cg10739686	-0.298151859319313	439	-4.08461615318248	6.77238371773296e-05	0.0888945312155632	0.00069020426423743
UCEC	KAT6B	cg11128436	0.232061845443904	439	3.11976886567128	0.00212472670943428	0.0538527001108306	0.0124713464437372
UCEC	KAT6B	cg11348552	0.251082454488986	439	3.39198912591245	0.000862014268423836	0.0630423989522135	0.00593237243433863
UCEC	KAT6B	cg15874302	-0.263185107171667	439	-3.56735779047659	0.000467976385368022	0.0692664006369619	0.00354762764795555

UCEC	KAT6B	cg15912797	0.330926719175347	435	4.58580911866924	8.7055762129015e-06	0.109512493464159	0.00011572822896556
UCEC	KAT6B	cg17147776	0.400718892738468	435	5.71935543961178	4.67872783170352e-08	0.160575630997544	1.10162516022864e-06
UCEC	KAT6B	cg18462764	-0.0766431475023592	435	-1.0051958992952	0.316222807375422	0.00587417205906838	0.515479686460692
UCEC	KAT6B	cg18491775	0.321014594000182	435	4.43239855233036	1.66079506531064e-05	0.103050369561102	0.00020365682741295
UCEC	KAT6B	cg24671245	0.112132406458723	435	1.47562786429992	0.14188277569533	0.0125736765782242	0.304125551826591
UCEC	KAT6B	cg26605858	0.32511342196555	435	4.49563488362308	1.27498270981831e-05	0.10569873714215	0.000161883474665588
UCEC	KDM1A	cg00062312	0.0680735984762753	435	0.892247554225074	0.373514104491539	0.00463401480950915	0.572081356213867
UCEC	KDM1A	cg00541565	-0.123230694795949	435	-1.62382716410479	0.106254641611363	0.0151858041398923	0.248683274324752
UCEC	KDM1A	cg04886391	-0.148846225701036	435	-1.96834361760629	0.0506450702383586	0.0221551989054439	0.145692513838409
UCEC	KDM1A	cg06958034	0.0590217560727925	554	0.78214796375784	0.435184621360834	0.00348356768991621	0.628581155129964
UCEC	KDM1A	cg07118078	-0.0947507485116214	435	-1.24462635255458	0.21497225119127	0.00897770434351253	0.401960132416143
UCEC	KDM1A	cg07785945	0.0143598050461874	435	0.187798180502178	0.851257521975881	0.000206204000964509	0.920645767029608
UCEC	KDM1A	cg10499166	0.0514126427520316	435	0.673197849665387	0.501730234577351	0.00264325983474802	0.685517922949157
UCEC	KDM1A	cg12578844	-0.0869659927260631	435	-1.14155294494669	0.255235947248069	0.00756308389082967	0.449521751380233
UCEC	KDM1A	cg22683154	-0.221502558134254	435	-2.9703047936912	0.00340317333702951	0.0490633832600185	0.0182307166079654
UCEC	KDM1A	cg26662347	0.240759270793331	435	3.24375138944874	0.00141876885251052	0.0579650264729366	0.00897841894673418
UCEC	KDM1B	cg11007366	0.026748270820348	435	0.349904223644481	0.72684115870194	0.00071546999187868	0.845376926412982
UCEC	KDM1B	cg15124342	0.0650767340697819	435	0.852796426553679	0.394965096221015	0.00423498131718911	0.59160371327798
UCEC	KDM1B	cg20677365	-0.280973567512412	435	-3.82843262718258	0.000180711933520044	0.078946145640652	0.001593370073247
UCEC	KDM1B	cg22406543	0.12677304622176	435	1.67125681110862	0.096500021272917	0.0160714052483445	0.232166637016735
UCEC	KDM1B	cg23073439	-0.0464435613461575	435	-0.607984437984725	0.544004432709117	0.00215700439051429	0.718230246901431
UCEC	KDM1B	cg23860886	0.0848513410854843	435	1.1135912942169	0.267017420547498	0.00719975008400519	0.462737966617232
UCEC	KDM1B	cg24342628	0.0645149047171301	554	0.855233639683798	0.393591184297578	0.00416217293066038	0.590394365648177
UCEC	KDM2A	cg05038268	-0.343620115067757	435	-4.78476655709975	3.68184787932251e-06	0.118074783479178	5.42987059571594e-05
UCEC	KDM2A	cg05295919	-0.199936259489969	435	-2.66838343168087	0.00835515805364737	0.0399745078588403	0.037150272383713
UCEC	KDM2A	cg06320126	-0.159196410330938	435	-2.10865501717187	0.0364310961156578	0.0253434970622562	0.114306714980297
UCEC	KDM2A	cg07283932	-0.179649213470598	435	-2.38807045005097	0.0180271062256217	0.0322738399006045	0.0672130698162478
UCEC	KDM2A	cg08836144	-0.17831662647019	435	-2.35587334797529	0.0196259735673215	0.0317968192757094	0.0717675560635615
UCEC	KDM2A	cg09993857	-0.166697896400047	435	-2.21079120451688	0.0283770352502066	0.0277881886642007	0.0947272723452636
UCEC	KDM2A	cg11637544	0.207990114581359	435	2.7806335475076	0.00603367131922996	0.043259887763567	0.0287947626899071
UCEC	KDM2A	cg16004548	-0.0770698399763105	435	-1.01082543363559	0.313528147717528	0.00593976023397411	0.512568923621206
UCEC	KDM2A	cg18132081	0.217767786331626	435	2.91770649668271	0.00400018963515282	0.0474228087637766	0.020743284393886
UCEC	KDM2A	cg21293464	-0.35449579241114	435	-4.95759187218541	1.7082741965378e-06	0.125667266837202	2.74743607288529e-05
UCEC	KDM2A	cg21711868	-0.213687777150697	435	-2.86039976820282	0.00475870446805082	0.045662466103606	0.0238437881867542
UCEC	KDM2A	cg25597833	-0.156849030319774	435	-2.07677227815014	0.0393179046213084	0.0246016183122535	0.120968838129724
UCEC	KDM2B	cg03486832	-0.182403121188096	435	-2.42592809704811	0.0163087592090784	0.0332708986191593	0.0622123737057455
UCEC	KDM2B	cg05067991	-0.285896934777244	435	-3.90143185064424	0.000137276479043135	0.0817370573150236	0.00126307349623674
UCEC	KDM2B	cg07020001	-0.126583519842257	435	-1.66871755533301	0.0970032802457737	0.0160233874956552	0.232956947457739
UCEC	KDM2B	cg07529210	-0.0646868697101035	435	-0.847665926133179	0.397808937306628	0.0041843911128919	0.594428728608809
UCEC	KDM2B	cg07793808	-0.10542624974554	435	-1.38635307907408	0.167444042020296	0.0111146941354089	0.340214735816102
UCEC	KDM2B	cg09151742	-0.135940658969541	435	-1.79431141049331	0.0745300494731651	0.0184798627610731	0.192976890288414
UCEC	KDM2B	cg12251659	-0.0504080741797094	435	-0.660010171538698	0.51013530970676	0.00254097394250708	0.692513422707621
UCEC	KDM2B	cg12888660	-0.329094252019436	435	-4.54397686312875	1.04342115297632e-05	0.108303026712232	0.000136034699471492
UCEC	KDM2B	cg15234492	-0.0611819618753965	435	-0.80155958542043	0.423920189909689	0.00374323245892247	0.618941617316061
UCEC	KDM2B	cg15316703	-0.304845109004656	435	-4.18559317668168	4.54172352264947e-05	0.0929305404840607	0.000488321440629711
UCEC	KDM2B	cg16837338	-0.128122270013584	435	-1.68933897239868	0.0929769392336704	0.0164153160734338	0.22606100796175
UCEC	KDM2B	cg17452615	-0.126351878412435	435	-1.6656142984467	0.0976211918492553	0.0159647971783507	0.234024929854888
UCEC	KDM2B	cg20055546	-0.178006689714701	435	-2.36551855632698	0.0191251018769962	0.031686381583186	0.0702895155392375
UCEC	KDM2B	cg21249371	-0.0684057351727613	435	-0.896621320239554	0.371181551222374	0.00467934460452595	0.569871329842472
UCEC	KDM2B	cg21781916	-0.0745660961627194	435	-0.977800357662697	0.329554362413748	0.00556010269694791	0.529194403451578
UCEC	KDM2B	cg26218726	-0.109601308984684	435	-1.44190968726939	0.151156790443481	0.0120124469311561	0.317358685012285
UCEC	KDM2B	cg26509318	-0.124513983129309	435	-1.64100212818412	0.102635002526278	0.0155037319947258	0.242679517402222
UCEC	KDM3A	cg01744130	-0.279618397509604	435	-3.80839734217344	0.000194743683109283	0.0781864482258386	0.00169746667605642
UCEC	KDM3A	cg02152982	-0.306181838941173	435	-4.20584080302073	4.18848961553433e-05	0.0937473184973984	0.000455591947917894
UCEC	KDM3A	cg02972551	-0.282440719684116	554	-3.89492223784277	0.000139614337749489	0.0797727601356814	0.00128105575888629
UCEC	KDM3A	cg03037033	-0.00686861214216742	435	-0.08982087743241	0.928534675546062	4.71778327595298e-05	0.962238845591715
UCEC	KDM3A	cg04793821	0.0127452373623611	435	0.166679143341377	0.867819445074051	0.000162441075422926	0.929790327784307

UCEC	KDM3A	cg07052513	0.105535848809877	439	1.38781052896064	0.167000421422298	0.0111378153840211	0.339670370604068
UCEC	KDM3A	cg07211384	-0.26457755368832	439	-3.58764842072875	0.000435398035854233	0.0700012819156959	0.00333379476390199
UCEC	KDM3A	cg12888358	-0.190878694252895	439	-2.54281596423451	0.0118833456506564	0.0364346759196902	0.0487812248191212
UCEC	KDM3A	cg18611949	-0.136381982770665	439	-1.80024676204934	0.0735842469812378	0.0186000452244578	0.191215315818499
UCEC	KDM3A	cg19139691	-0.0607271442924263	439	-0.795578772412539	0.427379877111157	0.00368778605391316	0.621717563812206
UCEC	KDM3A	cg20191795	-0.272571258250236	439	-3.7046043362623	0.000285551907180281	0.074295090824117	0.00234475670964564
UCEC	KDM3A	cg20918903	-0.114296556588134	554	-1.52197532030204	0.129820149957179	0.0130637028479046	0.285821835789006
UCEC	KDM3A	cg22404242	-0.29934052715645	439	-4.10249993707753	6.31297843282574e-05	0.0896047511983011	0.000650910330289258
UCEC	KDM3A	cg24749656	0.00700128070906779	439	0.091555869225727	0.927158080507796	4.90179315671648e-05	0.96150550843196
UCEC	KDM3B	cg00435490	-0.114241014009561	439	-1.50373999507157	0.134492980512841	0.0130510092819328	0.292908352576703
UCEC	KDM3B	cg03315484	-0.052802890295837	439	-0.691451995303784	0.490219215689601	0.00278814522359419	0.676148251220822
UCEC	KDM3B	cg05191700	-0.0642819439483725	439	-0.842337634708444	0.400775555994623	0.0041321683177817	0.597335637571525
UCEC	KDM3B	cg05708550	-0.110408994536983	439	-1.4526662044909	0.148148963963319	0.0121901460746675	0.313097181157218
UCEC	KDM3B	cg05722427	-0.146623281875371	439	-1.93829653016237	0.0542338938299177	0.0214983867879046	0.153131225922061
UCEC	KDM3B	cg15001364	0.0426866337421897	439	0.55870942608538	0.577090938907185	0.00182214870023984	0.743724943697328
UCEC	KDM3B	cg18682923	-0.0791537834251407	439	-1.03832786864219	0.300583415202087	0.00626532143051408	0.498879584336311
UCEC	KDM3B	cg19076659	-0.153911841260127	439	-2.03692934735698	0.04319895338551	0.0236888548800827	0.129568546079823
UCEC	KDM3B	cg24137987	-0.029725621060695	439	-0.388884784420703	0.697845179331003	0.000883612547444034	0.826728359955793
UCEC	KDM4A	cg00154982	-0.00158981034052193	439	-0.0207894941139011	0.983437816686456	2.52749691883047e-06	0.991389937946172
UCEC	KDM4A	cg00979347	0.179599619154649	439	2.38738921773651	0.0180594400919221	0.0322560232004949	0.0673110426653406
UCEC	KDM4A	cg03587511	0.0299412685109118	439	0.391708509746154	0.695761310066133	0.000896479560042517	0.825620905995985
UCEC	KDM4A	cg08552254	-0.2197760350158	554	-2.9802292112327	0.00329022230897064	0.0483015055672661	0.0177232761600929
UCEC	KDM4A	cg10958452	-0.0904682745560755	439	-1.18789736482062	0.23652116655808	0.00818450870115346	0.42788539210314
UCEC	KDM4A	cg10968649	0.18801139765427	554	2.53231619258225	0.012210715229082	0.035348285647912	0.049843655185812
UCEC	KDM4A	cg12293275	0.0489522128754742	439	0.640901609946593	0.522444592801182	0.00239631914540574	0.702263188604866
UCEC	KDM4A	cg17737314	-0.0556707156009447	439	-0.729119801497728	0.46692584336601	0.00309922857552127	0.656090119136857
UCEC	KDM4A	cg19743044	0.0137606349822027	439	0.179960690900833	0.857396509033683	0.00018935507511342	0.924123213700386
UCEC	KDM4A	cg20873046	0.0308451844127711	439	0.40354514248342	0.687051396864343	0.000951425401457859	0.819900234206149
UCEC	KDM4A	cg21451504	-0.1129976864541	439	-1.48716138367224	0.138813777792066	0.0127684771439792	0.299436530322647
UCEC	KDM4A	cg22094309	-0.00395327794330203	439	-0.051696221118103	0.958831087737695	1.56284064969983e-05	0.9783877580328
UCEC	KDM4A	cg24324755	0.0857421667025909	439	1.12536864772541	0.26200988962342	0.00735171915085488	0.457355165515383
UCEC	KDM4A	cg24505556	-0.00712859474797816	439	-0.0932208409731227	0.925837248229046	5.08168630809018e-05	0.960929954621301
UCEC	KDM4A	cg25841161	0.0301112353199059	439	0.393934123347264	0.694120469498191	0.000906686492490747	0.824654975628319
UCEC	KDM4B	cg01098771	-0.215220667132168	439	-2.8819117407628	0.00445977686685737	0.0463199355608154	0.0226390787328093
UCEC	KDM4B	cg12072803	-0.0549441984923181	554	-0.727943037363871	0.467621315958826	0.00301886494796325	0.656652240602239
UCEC	KDM4B	cg18115693	-0.0667238626909269	439	-0.874476512241756	0.383085327511911	0.00445207385239767	0.581293306852562
UCEC	KDM4C	cg00121158	0.0811785086774819	554	1.07744675729019	0.282763711867717	0.00658995027110001	0.480018334592528
UCEC	KDM4C	cg00667760	0.132475258241005	439	1.74774284899497	0.082303510579197	0.017549694046021	0.207166368837262
UCEC	KDM4C	cg05545111	0.0654272036919942	439	0.857408838470336	0.392419046381076	0.0042807189829537	0.58938619380202
UCEC	KDM4C	cg14196303	0.0659395670808633	439	0.864152453333555	0.388714691432843	0.00434802650681166	0.58644928060908
UCEC	KDM4C	cg14473811	0.194798816520601	439	2.59707669499943	0.0102211914245674	0.0379465789178269	0.0433322815085994
UCEC	KDM4C	cg14497348	0.0914933952131786	439	1.20147074015399	0.231230041037647	0.0083710413676349	0.421706437839524
UCEC	KDM4E	cg15555590	-0.0110339197806862	439	-0.144296007923673	0.885436649644459	0.000121747385726619	0.939273999078763
UCEC	KDM4E	cg19409026	-0.0215708047560564	439	-0.282140521763301	0.778176946748607	0.000465299617823907	0.877300812675666
UCEC	KDM5B	cg00528052	-0.0746058697860708	554	-0.989701088260139	0.323686677124945	0.00556603580653615	0.523122948088305
UCEC	KDM5B	cg00571448	0.0236850120458219	439	0.309808632334919	0.75708370637994	0.00056097979561073	0.864554383354587
UCEC	KDM5B	cg02624558	-0.0171266114526576	439	-0.223992358922752	0.823030642684573	0.000293320819850302	0.90474290381251
UCEC	KDM5B	cg04504182	-0.00336322192941316	439	-0.0439800822808501	0.964971594897588	1.13112617464856e-05	0.981602074552316
UCEC	KDM5B	cg08915090	0.0731638364164251	439	0.959312327033926	0.338755850364312	0.00535294695916942	0.538105374754794
UCEC	KDM5B	cg09889216	-0.15734854062509	439	-2.08355371695919	0.0386879901601695	0.0247585632368457	0.119479694581986
UCEC	KDM5B	cg11171004	0.0963473689883124	439	1.26579409917858	0.207308656410556	0.00928281551097002	0.392259804854861
UCEC	KDM5B	cg11221497	-0.141662176699704	439	-1.87134574504007	0.0630052751908487	0.0200681723072983	0.170632980964208
UCEC	KDM5B	cg13134514	-0.0198136542584849	439	-0.259148023119866	0.795832736094292	0.000392580895074778	0.888198838972216
UCEC	KDM5B	cg13253785	-0.0125950492978652	439	-0.164714706533807	0.869363088057095	0.000158635266815655	0.930684265190089
UCEC	KDM5B	cg13993945	0.107238169036825	439	1.41045460844449	0.160221971770714	0.0115000248983706	0.330049200898476
UCEC	KDM5B	cg14560895	-0.0947594019142641	554	-1.25921527135558	0.209629575159985	0.00897934425114904	0.395104134948416
UCEC	KDM5B	cg21105875	-0.00247549723525511	439	-0.0320862096763136	0.974441388700206	6.12808656175568e-06	0.986642198466054

UCEC	KDM5B	cg24354901	0.0550646749076685	439	0.721158208415718	0.471796990776595	0.00303211842268721	0.659901336963104
UCEC	KDM5B	cg27531483	-0.184516467402229	439	-2.45502001652647	0.0150885948178952	0.0340463267425978	0.0586431927089999
UCEC	KDM5C	cg01859586	0.0515279455331215	439	0.674711640676864	0.500770183736814	0.00265512917086434	0.684595653696893
UCEC	KDM5C	cg04927657	0.0701790322834869	439	0.919978216147606	0.358880110969046	0.0049250965722467	0.557872301982735
UCEC	KDM5C	cg04927982	-0.0487591855910049	548	-0.645791524009441	0.519260264690809	0.00237745817949806	0.699877895153856
UCEC	KDM5C	cg09554224	0.0571030957102822	439	0.747940294605403	0.455523546630301	0.00326076353969765	0.645830191133465
UCEC	KDM5C	cg12234996	0.0262057415181026	439	0.342802265435742	0.732168250539365	0.000686740888513607	0.848679811700381
UCEC	KDM5C	cg16417926	-0.00539357176806879	439	-0.0705311287497046	0.943853342438661	2.90906164173087e-05	0.970017745263478
UCEC	KDM5C	cg16824069	-0.0730512156739979	439	-0.957827733560258	0.339501879827676	0.00533648011144896	0.538773367318378
UCEC	KDM5C	cg19903753	-0.00713839611682365	439	-0.0933490202858617	0.925735571296508	5.0956699120683e-05	0.960896671281215
UCEC	KDM5C	cg24985300	-0.123750694362346	439	-1.63078560650354	0.10477602557046	0.0153142343551627	0.246281911204628
UCEC	KDM5C	cg27526317	0.023052720291056	439	0.301533566691817	0.76337403394836	0.000531427912817665	0.868443736611662
UCEC	KDM6A	cg00751785	-0.198197647319843	439	-2.64422651473206	0.00894974143912616	0.0392823074031208	0.0391746581550445
UCEC	KDM6A	cg03267667	0.0750773042748376	439	0.984541802899087	0.326240165026742	0.00563660161717655	0.525749951278983
UCEC	KDM6A	cg03478540	0.172500527423063	439	2.29006651324189	0.0232390421712653	0.0297564319612348	0.0815783604833452
UCEC	KDM6A	cg06877198	0.102689095899055	439	1.34997079378673	0.178809578126572	0.0105450504165653	0.355498794264575
UCEC	KDM6A	cg07167981	-0.152907522006013	439	-2.02331851854763	0.0445975476523795	0.0233807102860193	0.13270939150324
UCEC	KDM6A	cg11895950	-0.0469714550231368	439	-0.614910195193471	0.53943142573158	0.00220631758699056	0.714774345311167
UCEC	KDM6A	cg14384228	0.150361965398452	439	1.98884903571084	0.0483128601830013	0.0226087206384854	0.140635545621608
UCEC	KDM6A	cg15923127	0.209380184310066	439	2.80006659992951	0.0056972666458084	0.0438400615817171	0.027532187939124
UCEC	KDM6A	cg17824914	-0.0671282670899958	439	-0.879800516095796	0.380202117454161	0.00450620424250581	0.57862244508146
UCEC	KDM6A	cg20211377	-0.00819191539377171	439	-0.107126788631061	0.914813976013948	6.71074778187139e-05	0.954980253482583
UCEC	KDM6A	cg22133177	0.207843665486885	439	2.77858722991763	0.00607012572194608	0.0431989892830242	0.0289438774387419
UCEC	KDM6A	cg27306636	-0.0092798704377536	439	-0.121355277769724	0.903552123725295	8.61159953414931e-05	0.948890126666653
UCEC	KDM6B	cg01046511	-0.174077743854436	439	-2.31165645483661	0.0219892527360272	0.0303030609054506	0.0782166693090893
UCEC	KDM6B	cg02308232	-0.220850080365638	439	-2.96110585929802	0.00350129387304221	0.0487747579975086	0.0186497538897258
UCEC	KDM6B	cg24893073	-0.133138789136626	439	-1.75665436730991	0.0807666854936065	0.017725937172767	0.204372119987519
UCEC	KDM8	cg00636124	0.187839952251088	439	2.50084197079592	0.0133307974898864	0.0352838476616908	0.0533399330357924
UCEC	KDM8	cg01755539	-0.357853530518269	439	-5.01140900407111	1.33985690509083e-06	0.12805914930439	2.21536297714423e-05
UCEC	KDM8	cg06329197	0.214246023551163	439	2.86823140410461	0.00464782143854871	0.0459013586074855	0.0233861083364891
UCEC	KDM8	cg08572679	-0.284314065799055	439	-3.87792620799953	0.000150044847361955	0.0808344880111895	0.00136218798642501
UCEC	KDM8	cg09140090	-0.177925791547452	439	-2.36440835180533	0.0191806466274484	0.0316575872977874	0.0704458970643315
UCEC	KDM8	cg10214171	0.135912694128646	439	1.79393534882898	0.0745903111581783	0.0184722604253069	0.193087936451462
UCEC	KDM8	cg10221365	-0.221037571136714	439	-2.963748762564	0.00347284071080252	0.048857607854018	0.0185299156554301
UCEC	KDM8	cg16752029	0.110063926786428	439	1.4480703391168	0.149428406051917	0.0121140679796482	0.314900431010227
UCEC	KDM8	cg24206694	0.0502634130632952	548	0.665763983525152	0.506438561097137	0.00252641069277143	0.689461201231833
UCEC	KDM8	cg24705286	0.192242851456561	548	2.5914716088822	0.0103634643212137	0.0369573139361493	0.0438255785716733
UCEC	KIAA202	cg03495688	0.17969317641253	439	2.38867434500027	0.0179984858645205	0.0322896376492245	0.067128881452896
UCEC	KIAA202	cg25608569	-0.251849583296265	439	-3.40305333868269	0.000829990279269969	0.0634282126065025	0.00574655249070203
UCEC	KMT2B	cg09284703	-0.2878168056913	439	-3.92998867943941	0.000123151625400058	0.0828385136383437	0.00115191265436721
UCEC	KMT2B	cg13830730	0.158221802870027	439	2.09541321990599	0.0376071688525296	0.0250341389034417	0.117029164915144
UCEC	KMT2B	cg15496871	0.191892166629373	439	2.55683180870492	0.0114323081937551	0.0368226036137152	0.0473469433360831
UCEC	KMT2B	cg24471867	0.0342218121607216	549	0.452977347892421	0.651126161398543	0.00117113242756372	0.796028836894693
UCEC	L3MBTL1	cg01071811	-0.312358286209338	548	-4.34975443731984	2.30997885344936e-05	0.0975676989636346	0.000271782357721173
UCEC	L3MBTL1	cg01877937	-0.28530824494246	439	-3.89268574525348	0.000141901825182111	0.0814007946321469	0.00129887170116686
UCEC	L3MBTL1	cg02177317	-0.210594431578191	439	-2.81705619265845	0.00541723985133205	0.0443500146117415	0.0264434182716023
UCEC	L3MBTL1	cg02472486	-0.257348811070114	439	-3.48257031092613	0.000630571665188868	0.0662284105592011	0.00456195407065031
UCEC	L3MBTL1	cg02611863	-0.370555212542478	548	-5.27770197563262	3.83649994450196e-07	0.137311165542401	7.25818766251425e-06
UCEC	L3MBTL1	cg03486259	-0.0743021184336263	439	-0.974319512905759	0.33127418178375	0.00552080480372463	0.530904176244701
UCEC	L3MBTL1	cg04984575	-0.183941971067457	439	-2.44710814071148	0.0154121338069342	0.0338346487201811	0.0596384568929884
UCEC	L3MBTL1	cg06362543	-0.155284289240834	439	-2.05553963008985	0.0413472747422563	0.0241132104850309	0.125387669718906
UCEC	L3MBTL1	cg06446163	-0.250316238317712	439	-3.3809448852208	0.000895130235396192	0.0626582191655294	0.00612397867666972
UCEC	L3MBTL1	cg06908806	0.00383904007915172	439	0.0502023331837719	0.960019743613793	1.47382287293332e-05	0.979061311921597
UCEC	L3MBTL1	cg07678583	-0.214503722791783	439	-2.87184765864622	0.00459742202730123	0.0460118470915342	0.023182368687888
UCEC	L3MBTL1	cg08369943	0.0591789009898542	439	0.775223208617715	0.439278487876371	0.0035021423236697	0.632018322283232
UCEC	L3MBTL1	cg08633313	-0.351737781982192	439	-4.91355129293142	2.0812003192743e-06	0.123719467273752	3.27175512586372e-05
UCEC	L3MBTL1	cg09541000	-0.279328309284922	439	-3.80411179555077	0.000197876291787042	0.078024304367973	0.00172110780895362

UCEC	L3MBTL1	cg10360552	-0.2495087895748	43%	-3.36931365200126	0.000931289908271446	0.0622546360750816	0.00632740324227676
UCEC	L3MBTL1	cg12699433	-0.113444736463624	43%	-1.49312155881	0.137248155420061	0.0128697082313011	0.297196542970222
UCEC	L3MBTL1	cg14306330	0.0306321413122167	43%	0.400755289310299	0.689100574426289	0.000938328081371612	0.821244651021585
UCEC	L3MBTL1	cg15123011	-0.099463085417995	43%	-1.30713034286555	0.192923397127142	0.00989290536086738	0.37375875373201
UCEC	L3MBTL1	cg15302378	-0.425235659973752	43%	-6.14383416221234	5.48467315184888e-09	0.180825366513312	1.57852261625946e-07
UCEC	L3MBTL1	cg15330298	-0.39399303265531	43%	-5.60554039855353	8.17902711940631e-08	0.155230509780928	1.8125356949918e-06
UCEC	L3MBTL1	cg15388309	-0.368959603761406	43%	-5.19102328741977	5.88057807214109e-07	0.136131189207774	1.0678657575727e-05
UCEC	L3MBTL1	cg16862791	-0.377262005356797	43%	-5.32696887017186	3.11303054548763e-07	0.142326620685832	6.01677262746993e-06
UCEC	L3MBTL1	cg17091610	-0.335119956875584	43%	-4.65121648976094	6.57895482414285e-06	0.112305385496294	9.05045467001536e-05
UCEC	L3MBTL1	cg17774347	-0.0697361506411965	43%	-0.914144010006051	0.361928342938892	0.00486313070625166	0.560824747184797
UCEC	L3MBTL1	cg18911945	-0.249872169713992	43%	-3.3745471838904	0.000914853938751025	0.0624361011975782	0.00623081408080031
UCEC	L3MBTL1	cg20091959	-0.297081805918056	54%	-4.11584492781994	5.93325859164524e-05	0.0882575994075338	0.000615757629240195
UCEC	L3MBTL1	cg20252111	-0.379616982949903	43%	-5.36579989036776	2.5907159511638e-07	0.144109053743987	5.11268789205573e-06
UCEC	L3MBTL1	cg20529070	-0.363731543590424	43%	-5.10615955397358	8.69859631929879e-07	0.132300635802673	1.51352852172563e-05
UCEC	L3MBTL1	cg22330467	-0.00068563778657553	43%	-0.0089658795780934	0.992856810352297	4.70099174380193e-07	0.996289021806189
UCEC	L3MBTL1	cg22457903	-0.311269225703322	43%	-4.28315273823399	3.06667376126539e-05	0.0968885308699453	0.000347362869225218
UCEC	L3MBTL1	cg22601123	-0.0171399106190494	43%	-0.224166344694068	0.822895481057563	0.000293776536029004	0.904671034879323
UCEC	L3MBTL1	cg23626798	-0.274807709930353	54%	-3.7809332266121	0.000214158866416638	0.075519277437165	0.00183705754261946
UCEC	L3MBTL1	cg24343973	-0.263330337932428	43%	-3.56947296076838	0.000464476120460567	0.0693428668756069	0.00352487126281429
UCEC	L3MBTL2	cg02358112	-0.199560062810487	43%	-2.6631542002584	0.00848075763787716	0.0398242186689255	0.0375820028300208
UCEC	L3MBTL2	cg06235991	0.181500262978998	55%	2.44157516933573	0.0156184825466879	0.0329423454614454	0.0602332059903349
UCEC	L3MBTL2	cg08053598	-0.169793358301848	43%	-2.2530512778546	0.0255268873975065	0.0288297845234197	0.0875358669752984
UCEC	L3MBTL2	cg09993119	0.0589407445121776	43%	0.772092542892881	0.441125361719889	0.00347401136364979	0.63371447757492
UCEC	L3MBTL2	cg12821546	0.204818465280855	43%	2.736359866064	0.00686847534214557	0.041950603720005	0.0319343874472193
UCEC	L3MBTL2	cg13843727	-0.143115976013496	43%	-1.89094980965378	0.0603221491840923	0.0204821825902955	0.165311000279002
UCEC	L3MBTL2	cg14679202	0.0600139966667922	55%	0.79534413124902	0.42749077417165	0.00360167979592174	0.621827845887305
UCEC	L3MBTL2	cg15283028	-0.292006273874447	43%	-3.99248434461117	9.69083907122289e-05	0.0852676639820386	0.000938373331723566
UCEC	L3MBTL2	cg19467356	-0.00415821097090334	43%	-0.0543761343275168	0.956698969111418	1.72907184785409e-05	0.977147164395112
UCEC	L3MBTL2	cg24240981	0.0488655795164494	43%	0.639764654682607	0.523181815819979	0.00238784486147844	0.702676119262101
UCEC	L3MBTL2	cg26947834	0.176941799851545	43%	2.35090851518484	0.0198675252939373	0.0313084005347043	0.0724295544644341
UCEC	L3MBTL2	cg27177954	-0.308765268343246	43%	-4.24505030697959	3.57779508204996e-05	0.095335990935077	0.000397672511234454
UCEC	L3MBTL2	cg03454037	-0.0225106166870091	43%	-0.294439119592281	0.768779502588414	0.000506727863629451	0.871826595495023
UCEC	L3MBTL2	cg07826275	-0.153479894391806	43%	-2.03107468709349	0.0437959051859662	0.0235560779825198	0.130914837580675
UCEC	L3MBTL2	cg08106148	-0.147453180137228	43%	-1.94951056146165	0.0528702086166846	0.0217424403325819	0.150246027730643
UCEC	L3MBTL2	cg08358392	-0.440563664341216	43%	-6.41748951006717	1.31261658857816e-09	0.194096342337759	4.24942550527879e-08
UCEC	L3MBTL2	cg09710740	-0.139900387997543	43%	-1.84760507943088	0.0663870667473391	0.0195721185618631	0.177279811566061
UCEC	L3MBTL2	cg10237990	-0.168006335220757	43%	-2.2286460747892	0.0271407394077796	0.0282261286743095	0.0916207591858576
UCEC	L3MBTL2	cg16487825	-0.144669281966738	43%	-1.91190950487111	0.057559855654074	0.0209292011447716	0.159744975589634
UCEC	L3MBTL2	cg16800851	-0.228316234774119	43%	-3.06662075841483	0.00251717364752149	0.0521283030614308	0.0143206820780523
UCEC	L3MBTL2	cg18411550	-0.162642510259016	43%	-2.1555275111027	0.0325186866207743	0.0264525861433541	0.104795306834156
UCEC	L3MBTL2	cg18798995	-0.149049725010448	43%	-1.97109579413911	0.0503266222640027	0.0222158205256902	0.144971830423085
UCEC	L3MBTL2	cg22934935	-0.0282352082913529	43%	-0.36937052420743	0.71230855636832	0.000797226987256081	0.836301416150273
UCEC	L3MBTL2	cg24516147	-0.167210389011557	43%	-2.21778320793561	0.0278871865059919	0.0279593141933963	0.0935110253037558
UCEC	LBR	cg01017344	-0.0623411792214863	43%	-0.816805471537397	0.415176089475592	0.00388642262672547	0.610840826565753
UCEC	LBR	cg05530459	0.144278794918553	43%	1.90663907558934	0.0582442686465371	0.0208163706631497	0.161120065950325
UCEC	LBR	cg12994003	-0.17748729900396	55%	-2.38581564756338	0.018109087653525	0.0315017413077212	0.0674508457779528
UCEC	LBR	cg14607642	-0.0358075323674198	55%	-0.473993098089521	0.636095668428102	0.00128217937424382	0.78580385926819
UCEC	LBR	cg18107727	-0.0849616066297423	43%	-1.11504893733258	0.266394079481052	0.00721847460110707	0.462122382756853
UCEC	LBR	cg18289048	0.0446806778013948	43%	0.58485976564305	0.559412920873088	0.00199636296879205	0.730196291320342
UCEC	LBR	cg18764107	-0.031367949573326	43%	-0.410391118271768	0.682032799206211	0.000983948260434722	0.816654757294874
UCEC	LBR	cg19322477	-0.115526091084151	43%	-1.52088282232479	0.130136188025377	0.0133462777211835	0.286363663939303
UCEC	LBR	cg20483690	-0.204468447038864	43%	-2.73147943518577	0.00696663178512769	0.0418073458344847	0.0322807882001444
UCEC	LBR	cg26930584	-0.0600519630790645	43%	-0.786701112285277	0.432545764245132	0.00360623826964933	0.626234626462059
UCEC	MBD1	cg01719254	0.0239871449492193	43%	0.313762902260646	0.754083543639448	0.000575383122814858	0.862592271407587
UCEC	MBD1	cg03841029	-0.126567164231596	55%	-1.68790022980452	0.0932117370204526	0.0160192470616279	0.226483239209454
UCEC	MBD1	cg05549078	0.0177753383855268	43%	0.232479441441576	0.816443662673224	0.000315962654719982	0.901249087874036
UCEC	MBD1	cg12090413	-0.230268377945554	43%	-3.09430245557806	0.00230511448851849	0.0530235258816764	0.0133385953971889

UCEC	MBD1	cg13478031	0.000410912336051756	439	0.00537337649615599	0.995718949993112	1.68848947919511e-07	0.997809637847821
UCEC	MBD1	cg14389183	-0.353210083058307	439	-4.93704305938895	1.87342112288364e-06	0.124757362774056	2.9791684961899e-05
UCEC	MBD1	cg19328682	-0.420845656181043	439	-6.06666890000217	8.15422554940713e-09	0.177111066326453	2.27124990025485e-07
UCEC	MBD1	cg21282183	-0.00939402452963286	439	-0.122848231449773	0.902371544268259	8.8247696863344e-05	0.948389600977794
UCEC	MBD2	cg15090185	-0.0570463144641382	439	-0.747194140514382	0.455972569857578	0.00325428199394135	0.646213111191073
UCEC	MBD2	cg16852837	-0.152000728833871	439	-2.01103490751143	0.0458926642038009	0.0231042215660279	0.135526647130705
UCEC	MBD2	cg17987217	-0.158901634769335	439	-2.10464929514102	0.0367834836462253	0.0252497295323672	0.115087448792409
UCEC	MBD2	cg22224310	-0.0942070275876262	439	-1.23742000564359	0.217627676332654	0.00887496404689576	0.405159550749616
UCEC	MBD2	cg22836370	0.0306633132373823	554	0.405828338635292	0.685364500796306	0.000940238778693824	0.818929837110986
UCEC	MBD2	cg23388714	-0.120347085343916	439	-1.58526424546422	0.114753858330325	0.0144834209507759	0.262524971473292
UCEC	MBD2	cg24881765	-0.0199726997521418	439	-0.261229048019544	0.794230233122682	0.000398908735389207	0.887339644060059
UCEC	MBD2	cg25192916	0.215489669342085	439	2.88568910976571	0.00440909406354292	0.0464357975931611	0.0224418387581299
UCEC	MBD3	cg08660999	-0.121848248739939	439	-1.60533436945933	0.110265421407616	0.01484699572099	0.255441662424286
UCEC	MBD3	cg09174855	0.0831053605130453	439	1.09051595388123	0.277020198209674	0.00690650094600323	0.473805203589336
UCEC	MBD3	cg12286540	-0.261094339130338	439	-3.53693620052996	0.000521146043762143	0.068170253925908	0.00388296478578988
UCEC	MBD5	cg03890220	0.0941554698560417	439	1.23673672991393	0.217880682173476	0.00886525250381197	0.405459041933867
UCEC	MBD5	cg04152151	0.123107803240021	439	1.62218287327921	0.106606467545797	0.0151555312185838	0.249262687912673
UCEC	MBD5	cg05218490	0.163925394094473	554	2.19826564440607	0.0292423929475344	0.0268715348290282	0.0968897562925795
UCEC	MBD5	cg06394585	0.0489613064663451	439	0.641020952875637	0.52236723985748	0.00239720953089137	0.702200360413209
UCEC	MBD5	cg06758980	0.0242403625346886	439	0.317077042089232	0.751571935778301	0.000587595175813132	0.860883844336197
UCEC	MBD5	cg20595490	0.0086949872626811	439	0.113706010708036	0.909604235400331	7.56028034981865e-05	0.951994509467689
UCEC	MBD5	cg21412502	-0.140452137141579	439	-1.85503813882611	0.0653123907128402	0.0197268028276369	0.175209908035266
UCEC	MBD5	cg23120335	-0.194617947790649	439	-2.59457036119127	0.0102931102037556	0.0378761456022438	0.043588909560813
UCEC	MBD5	cg25686162	0.0347150724959056	439	0.454232266882249	0.650237689764255	0.00120513625839598	0.795392720372352
UCEC	MBD5	cg26664634	-0.0978455086714606	439	-1.28566516834412	0.200298284603595	0.00957374356717687	0.383274006947535
UCEC	MBTD1	cg01388767	0.00521088942405269	432	0.0681421463669202	0.945752093085309	2.71533685897041e-05	0.971002604287637
UCEC	MBTD1	cg14577476	-0.0733105478713614	439	-0.96124636775471	0.337785560512153	0.00537443642919917	0.537221466039565
UCEC	MBTD1	cg17045523	0.0249642953706198	439	0.326552294325089	0.744405866547449	0.000623216043351551	0.85642068031459
UCEC	MBTD1	cg18711617	0.136391953916975	439	1.80038087632128	0.0735629907010232	0.0186027650932902	0.191179237609254
UCEC	MBTD1	cg22141797	-0.0428322933976866	439	-0.560619409089159	0.575790818327274	0.0018346053577055	0.742537688013101
UCEC	MBTD1	cg25259117	0.201787594769341	439	2.69413543503212	0.00776077982231296	0.0407182334027956	0.0351135341105627
UCEC	MBTD1	cg25716740	-0.124851115198876	548	-1.66465008313962	0.0977719907058949	0.0155878009664029	0.234299794996593
UCEC	MBTD1	cg25855326	-0.0846743990995906	439	-1.11125231538624	0.26801976607082	0.00716975386287675	0.463701316172877
UCEC	MBTD1	cg27207041	-0.169909017154714	548	-2.28084913297639	0.0237628741190143	0.0288690741104811	0.0829865787939756
UCEC	MBTD1	cg27214721	0.0914110172270201	439	1.20037985137487	0.231652126813889	0.00835597407047857	0.422169408797987
UCEC	MBTD1	cg27353579	-0.306960258815376	432	-4.21764426824952	3.99486612738143e-05	0.0942246004920025	0.00043752867170704
UCEC	MLLT10	cg00879184	0.00530903207040579	439	0.0694255812641618	0.944731986431008	2.81858215245972e-05	0.970441949380242
UCEC	MLLT10	cg03524461	0.124224804975539	439	1.63713116876724	0.103442051207326	0.0154318021712108	0.243945461970508
UCEC	MLLT10	cg04188362	-0.0440158279446588	439	-0.576140013206308	0.56527806354974	0.00193739310965381	0.734768174203608
UCEC	MLLT10	cg05913198	0.0963837947851606	439	1.26627714116334	0.207136139544397	0.00928983589718796	0.392009654058211
UCEC	MLLT10	cg06398735	0.118780194092659	439	1.5643271263785	0.11958949520384	0.0141087345086897	0.270121150728962
UCEC	MLLT10	cg11443787	-0.00247685058106851	554	-0.0327657538665096	0.973898728683426	6.13478880093942e-06	0.986375181606541
UCEC	MLLT10	cg15910013	0.0355500398562191	439	0.465171129323863	0.642400742135353	0.00126380533377877	0.78997997713722
UCEC	MLLT10	cg19119538	-0.0845466467554772	439	-1.10956363546387	0.268745051916273	0.00714813547759544	0.464563530626282
UCEC	MLLT10	cg20569108	-0.118367879189508	439	-1.55881966782583	0.120887888962816	0.0140109548238219	0.272014359007702
UCEC	MLLT10	cg23344688	0.0521197049686362	439	0.68248117880695	0.495858217569133	0.00271646364601768	0.680739754662878
UCEC	MLLT10	cg26877631	-0.138651366399999	439	-1.83078497130264	0.0688732458466713	0.0192242014045867	0.182168002427443
UCEC	MLLT10	cg27470303	0.110143347717843	439	1.4491280783068	0.149133191285829	0.0121315570464938	0.314578836303952
UCEC	MLLT10	cg27572529	-0.00023135120850258	439	-0.0030253096959487	0.997589682219072	5.35233816756083e-08	0.998822257182302
UCEC	MLLT6	cg05652455	-0.074425406264337	439	-0.975945176639623	0.330470244756555	0.00553914109761162	0.530145717171291
UCEC	MORF4L	cg03589001	-0.0604148106123339	554	-0.800675369972693	0.424405269425406	0.00364994934132418	0.619324395604578
UCEC	MORF4L	cg07757959	0.0496147116032981	439	0.649596564436162	0.51682448034825	0.00246161960747845	0.697896955809959
UCEC	MORF4L	cg08692282	-0.0329061119026288	439	-0.430536407396277	0.6673476413674	0.00108281220054833	0.807095989250288
UCEC	MORF4L	cg13747872	0.0520092835893046	439	0.681031340761252	0.49677284428983	0.00270496557947271	0.681394080130528
UCEC	MORF4L	cg15822222	-0.00418757543965361	439	-0.0547601346128714	0.956393486633166	1.75357880627902e-05	0.976989716878174
UCEC	MORF4L	cg20775702	-0.295219861317899	439	-4.0405924777382	8.04313634878334e-05	0.0871547665165596	0.000797994833716683
UCEC	MORF4L	cg20905746	-0.0827558695534464	439	-1.08589821078431	0.279052452622556	0.00684853394554703	0.476055492189187

UCEC	MORF4L	cg23623458	-0.385617124210074	427	-5.35225828773705	2.88785335076789e-07	0.148700566484048	5.62487890760234e-06
UCEC	MORF4L	cg24795825	-0.0275767869375013	433	-0.357571999763663	0.721112447623304	0.000760479177796343	0.841986938288466
UCEC	MPHOSF	cg00331616	-0.229978065614953	439	-3.0901832943804	0.00233558797774464	0.0528899106639954	0.0134768380908371
UCEC	MPHOSF	cg03134886	-0.0666168082377609	439	-0.873067207662636	0.383850791302853	0.0044377991397866	0.582034664430643
UCEC	MPHOSF	cg03428000	-0.0399438985276851	554	-0.528830156137021	0.597593360437779	0.00159551502959	0.758383815214485
UCEC	MPHOSF	cg04203901	-0.0609103780152387	439	-0.797988220434648	0.425984105750653	0.00371007414995927	0.620619014903655
UCEC	MPHOSF	cg06019692	-0.0630443740599698	439	-0.826055417980787	0.40992369468916	0.00397459310061339	0.605828563103623
UCEC	MPHOSF	cg09559995	-0.0175796629350014	439	-0.229919453007689	0.818429162056462	0.000309044548908263	0.902336709651649
UCEC	MPHOSF	cg11051893	-0.029911582416302	439	-0.391319791605082	0.696048041451725	0.000894702762647227	0.82573932301609
UCEC	MPHOSF	cg19693579	-0.02990604306878	439	-0.391247257932576	0.696101549546772	0.000894371412031726	0.825785320240963
UCEC	MPHOSF	cg20759595	-0.0701322869092328	439	-0.919362400259546	0.359201089230801	0.00491853766711895	0.558148198054948
UCEC	MPHOSF	cg20952532	-0.0610673551041104	439	-0.800052468922423	0.42479044217153	0.00372922185941152	0.619735342315549
UCEC	MPHOSF	cg21958444	-0.117431321307051	439	-1.54631271531899	0.123877748336891	0.0137901152239198	0.276727388394765
UCEC	MPHOSF	cg22656705	-0.0987150710515372	439	-1.29720293397026	0.19630879831254	0.00974466525271003	0.378348197798179
UCEC	MSH6	cg00620552	0.0840487813594078	439	1.1029831830895	0.27158431282557	0.00706419764800154	0.467880902470378
UCEC	MSH6	cg02905881	-0.0976075200879099	554	-1.29742132669061	0.196193968921462	0.00952722797771174	0.378164361206051
UCEC	MSH6	cg05039065	-0.0931405953280955	439	-1.22328900614086	0.222903630876959	0.00867517049807205	0.41161160724817
UCEC	MSH6	cg07652213	-0.0921045186145155	554	-1.22362948142631	0.22273701618126	0.00848324234921163	0.411399662192916
UCEC	MSH6	cg09898070	-0.0116533789633142	439	-0.152398052029263	0.879052659535848	0.000135801241262614	0.935784003043172
UCEC	MSH6	cg11869233	0.197973906437283	439	2.64111966919359	0.00902891624342976	0.039193667630038	0.03944110766236
UCEC	MSH6	cg16595246	-0.110393993958834	439	-1.45246640474588	0.148204410080595	0.012186833902183	0.313154626335926
UCEC	MSH6	cg18222961	-0.0616266550158521	439	-0.807407747396824	0.420553269063837	0.00379784460844285	0.615729254505125
UCEC	MSH6	cg19076255	0.0352442031941667	439	0.461164267693525	0.645266786007255	0.00124215385879171	0.792064572561355
UCEC	MSH6	cg19736286	0.00231472994966667	439	0.0301804669637213	0.975958528941399	5.35797473988387e-06	0.987374880638243
UCEC	MSH6	cg21405109	-0.0945525818369593	439	-1.24199976909276	0.215937364327532	0.00894019073203488	0.403157252744718
UCEC	MTA1	cg01318265	-0.116104732489782	439	-1.52860437498227	0.128210231184778	0.0134803089065238	0.283351895590586
UCEC	MTA1	cg01655777	-0.119097375415779	439	-1.56856440527782	0.118598069902571	0.014184184830927	0.268586598643434
UCEC	MTA1	cg05922925	-0.318066434819711	439	-4.38708664892598	2.00387802621729e-05	0.101166256958921	0.000239793396664433
UCEC	MTA1	cg13052453	-0.102682774340485	439	-1.34988680375296	0.178836469660128	0.0105437521462589	0.35552500053
UCEC	MTA1	cg13981078	-0.0552487168136782	439	-0.723575893081668	0.470314796462053	0.00305242070955801	0.658887205493365
UCEC	MTA1	cg16531924	-0.0126129721227916	439	-0.164949133741549	0.869178850010786	0.000159087065770317	0.930580358895956
UCEC	MTA1	cg20222911	-0.147945376950871	554	-1.97891022630445	0.0493948628133162	0.0218878345611354	0.143039903130551
UCEC	MTA1	cg21517792	-0.0648148395170207	439	-0.849349928101425	0.396874123748512	0.00420096342161714	0.593466904815335
UCEC	MTA1	cg23123838	-0.0674055324797006	439	-0.883450980151378	0.378233007004472	0.00454350580887198	0.576821833465447
UCEC	MTA1	cg23883989	-0.111370123675834	439	-1.46547003629292	0.144629023533533	0.0124033044475706	0.308059859725863
UCEC	MTA1	cg23966123	-0.170463120504432	439	-2.26220403730356	0.0249435964875686	0.0290576754521086	0.0860439049819932
UCEC	MTA2	cg00501779	-0.165941883938538	439	-2.20048019084914	0.0291130486246569	0.0275367088450711	0.0965784772284827
UCEC	MTA2	cg07654871	0.0868105466208013	439	1.13949698492125	0.256089594896048	0.00753607100460231	0.450352283051364
UCEC	MTA2	cg09086761	-0.0314794199527146	554	-0.416640069771587	0.677452276931476	0.000990953880559363	0.813586958821916
UCEC	MTA2	cg13708959	-0.256348533206354	439	-3.46807997617012	0.000663185377072034	0.065714570477049	0.00476510974636943
UCEC	MTA2	cg19570317	-0.237042399252411	554	-3.22776987552432	0.00148961294662761	0.0561890990433396	0.0093489461745036
UCEC	MTA2	cg21002970	0.0458760731503102	439	0.600539785466658	0.548941655513048	0.00210461408769261	0.721955117394161
UCEC	MTF2	cg05396182	0.126669980473762	439	1.66987592330701	0.0967734395340039	0.0160452839532232	0.232602269194175
UCEC	MTF2	cg05962718	-0.108192893149729	439	-1.42315972435826	0.156511730236703	0.0117057021281088	0.324987949874125
UCEC	MTF2	cg09936581	0.129000152116205	439	1.70110937415561	0.0907401078034491	0.016641039246004	0.222059075355045
UCEC	MTF2	cg11404133	-0.0698828048182904	439	-0.916075866965665	0.360917186633237	0.00488360640927127	0.559786103972447
UCEC	MTF2	cg14474880	-0.240645249724537	554	-3.27982107386903	0.0012534011818733	0.057910136214985	0.00810196024450784
UCEC	MTF2	cg15463775	-0.047017508597206	439	-0.615514424357381	0.539033382443467	0.00221064611468834	0.714565519627277
UCEC	MTF2	cg16813892	-0.140998699171864	439	-1.86240305664973	0.0642618800852686	0.0198806331681578	0.1731021011778164
UCEC	MTF2	cg19708337	-0.0580831031438402	439	-0.760819583334589	0.447812677704578	0.00337364687081798	0.639331367157968
UCEC	MTF2	cg22801127	0.088979473973616	439	1.16819128288624	0.244355731439345	0.0079173467886214	0.437168773350331
UCEC	MTF2	cg23992808	0.192227234218855	439	2.5614675006511	0.0112865384284924	0.0369513095754307	0.0468529866865603
UCEC	MTF2	cg26054395	-0.0313808088419355	554	-0.41533363201911	0.678406469508447	0.0009847551635741	0.814368312948495
UCEC	NAP1L2	cg02379437	-0.0988887952653946	439	-1.29950834789833	0.195518728621299	0.00977899382904112	0.377300039142717
UCEC	NAP1L2	cg04297329	-0.136719044645926	548	-1.82576715986968	0.0695898052470738	0.0186920971688947	0.183580459793107
UCEC	NAP1L2	cg07693661	-0.105924853827351	439	-1.38071071094682	0.169202027881337	0.0112200746583457	0.342614398006214
UCEC	NAP1L2	cg20001978	-0.121682507209942	439	-1.60311790627702	0.110754127963242	0.0148066325608976	0.256169549585908

UCEC	NAP1L2	cg23483095	-0.185665789779381	439	-2.47085613768796	0.0144590848114389	0.0344717854944013	0.0567494094052306
UCEC	NCOA1	cg11380327	-0.171064900218429	439	-2.27043052329853	0.0244293046992767	0.0292632000867411	0.0847206370263699
UCEC	NCOA1	cg13911252	-0.00437218242328256	439	-0.0571742505109421	0.95447314280247	1.91159791424609e-05	0.975835298145317
UCEC	NCOA1	cg15477048	0.0717751454115881	439	0.94100883053828	0.348027762198012	0.00515167149885461	0.547244278449499
UCEC	NCOA1	cg23006163	-0.118878002887285	439	-1.56563371873203	0.119283086780195	0.0141319795704693	0.2696434141041
UCEC	NCOA3	cg04175879	-0.215384965501571	439	-2.88421876104691	0.00442875952281393	0.0463906833641128	0.0225183606743651
UCEC	NCOA3	cg09568061	0.43032629772246	439	6.23397842184836	3.4381449067191e-09	0.185180722511519	1.02674489394743e-07
UCEC	NCOA3	cg12128876	0.413471394080971	554	6.00725934657224	1.06559028558122e-08	0.170958593723262	2.90355624085833e-07
UCEC	NCOA3	cg14341558	-0.0573339836081494	439	-0.750974433947717	0.45370023995096	0.00328718567637955	0.644001687164635
UCEC	NCOA3	cg14774045	0.0715715728877062	439	0.938326129077716	0.34940027635809	0.00512249004562024	0.54842914125744
UCEC	NCOA3	cg18295930	0.0416103068357991	439	0.544597034226873	0.586740184479926	0.00173141763496935	0.750812019466252
UCEC	NCOA3	cg21735648	0.0852304379685861	439	1.11860289641515	0.264878514012369	0.007264227556317	0.460483807525504
UCEC	NCOA3	cg22511723	0.136903632581965	439	1.80726382458625	0.0724788685484093	0.0187426046141378	0.18907552060142
UCEC	NCOA3	cg22876277	-0.00681399224385474	439	-0.0891065794341967	0.929101484155885	4.64304902993125e-05	0.962468818440456
UCEC	NCOA3	cg24856420	0.17526536408684	439	2.32792545395109	0.0210868390558612	0.0307179478484924	0.0758545064973489
UCEC	NCOA3	cg25373408	0.339868856511771	439	4.72566757463735	4.76687912828432e-06	0.115510839626619	6.82433925111797e-05
UCEC	NCOR1	cg00253204	0.082633311240028	439	1.08427897180627	0.279767490979228	0.00682826412649133	0.476869340669869
UCEC	NCOR1	cg08125503	0.0636667738506771	439	0.834243602433471	0.405307616881801	0.00405345809255326	0.601714120453145
UCEC	NCOR1	cg08206308	0.069691434632235	439	0.913554983520245	0.362237002138894	0.00485689606109908	0.561145276289628
UCEC	NCOR1	cg21211144	0.151333132716907	439	2.00199483435829	0.0468660933945899	0.022901717057913	0.137653887696848
UCEC	NCOR1	cg22291359	0.0453738545332161	439	0.593951864875265	0.553329226803614	0.00205878667520145	0.725303126206316
UCEC	NCOR1	cg22625220	0.0411582134892858	439	0.538669926309951	0.590815170152026	0.00169399853762962	0.753708127889125
UCEC	NCOR2	cg08976554	0.0373677803055128	439	0.488988653449111	0.625476314133238	0.00139635100496107	0.778346067050805
UCEC	NCOR2	cg10641483	-0.0989574324852331	439	-1.2966112630552	0.196522205330204	0.00979257344406947	0.378628174784731
UCEC	NCOR2	cg13416396	-0.23308354261488	439	-3.13429150787961	0.00202779597622028	0.0543279378379024	0.0120273223676487
UCEC	NCOR2	cg13419087	-0.0351743655812268	439	-0.460249321549115	0.645921980447467	0.00123723599404179	0.792382751637907
UCEC	NCOR2	cg13857025	-0.129608982356339	439	-1.70927478923295	0.089214167033509	0.0167984883074457	0.219465516538043
UCEC	NCOR2	cg16181859	-0.341110102073089	439	-4.74519424584816	4.37804317652316e-06	0.116356101736314	6.33058533223871e-05
UCEC	NCOR2	cg19895345	-0.167654194616666	439	-2.22383959961517	0.0274688457520382	0.0281079289725628	0.0924429566721777
UCEC	NCOR2	cg23611643	-0.195113822511348	439	-2.60144245303283	0.0100969937543257	0.0380694037349899	0.0429532198897585
UCEC	NCOR2	cg24626542	-0.174365099141431	439	-2.31559192691123	0.0217679057225432	0.0304031877986009	0.0776474142683996
UCEC	NCOR2	cg25113767	-0.011451889605604	439	-0.149762709205554	0.881128323417128	0.000131145775538941	0.936990770297885
UCEC	NCOR2	cg25449924	-0.121311430786447	439	-1.59815599067671	0.111854432292537	0.0147164632394549	0.257955227989376
UCEC	ORC1	cg00298020	0.00335909548198088	439	0.0439261210643619	0.965014545069961	1.12835224570643e-05	0.981620292426363
UCEC	ORC1	cg02275620	0.198465447087221	439	2.6479457236633	0.00885578411145876	0.0393885336875306	0.0388499898024487
UCEC	ORC1	cg04407474	0.0154868480853046	439	0.202541107709113	0.839734504784137	0.000239842463617303	0.914178844724627
UCEC	ORC1	cg07142859	-0.0591547475056648	439	-0.774905695001459	0.439465594352383	0.00349928415245896	0.632133839435366
UCEC	ORC1	cg08613513	0.123700123262828	548	1.64906421371397	0.100928435884137	0.0153017204952388	0.239817554708935
UCEC	ORC1	cg10586599	0.0733524867751881	548	0.972983331738952	0.331904546858606	0.00538058731610415	0.531618569835046
UCEC	ORC1	cg13460942	-0.0136128373219195	439	-0.178027442501493	0.858912147231352	0.000185309339953043	0.925062806574958
UCEC	ORC1	cg16136434	0.183534549892644	439	2.44149877216627	0.0156452338840145	0.0336849310042956	0.0603024422351578
UCEC	ORC1	cg16965475	-0.135728794891905	439	-1.79146244325137	0.0749875807720373	0.0184223057628088	0.193845412991954
UCEC	ORC1	cg17146111	-0.0933951805182336	439	-1.22666205639831	0.221635953762477	0.00872265974403345	0.410122199448113
UCEC	ORC1	cg19776520	-0.0874006593804252	439	-1.14730237598157	0.252859347510028	0.00763887526013311	0.446853548992415
UCEC	ORC1	cg21197365	0.0707007545755925	439	0.926851714283944	0.355309829712428	0.00499859669755817	0.554160526326682
UCEC	ORC1	cg23606758	0.112154880335437	439	1.475927380737	0.141802416656899	0.0125787171830563	0.304000786133588
UCEC	ORC1	cg25605769	0.220947518572311	439	2.96247932249858	0.00348648074247032	0.0488178059632618	0.0185861223106788
UCEC	PADI1	cg14524955	-0.0186038546244187	439	-0.243319077229239	0.808049868704917	0.000346103406886505	0.896071396311034
UCEC	PADI1	cg21010178	0.166444845140769	439	2.20733947331211	0.0286216032006898	0.0277038864739344	0.0952999914139043
UCEC	PADI1	cg22193702	0.048919531316933	554	0.647920310683364	0.517885645812776	0.00239312054426839	0.698771956610918
UCEC	PADI2	cg00569276	0.127077810911388	439	1.67534040862804	0.0956951079514985	0.0161487700260306	0.230737206421364
UCEC	PADI2	cg01603374	-0.101381522976581	439	-1.33260150970589	0.184435596213518	0.010278213201051	0.362872604244675
UCEC	PADI2	cg07014827	-0.0912217252094439	437	-1.19436556078546	0.233998796332069	0.0083214031501873	0.424958744761444
UCEC	PADI2	cg09313801	0.173242118576376	439	2.30021561161047	0.0226439885409982	0.0300128316488311	0.0799621627125927
UCEC	PADI2	cg10233913	-0.149103045630504	439	-1.97181695812882	0.0502434585050352	0.0222317182162921	0.144791243228031
UCEC	PADI2	cg15185794	-0.0736153462128067	554	-0.97648899216101	0.330170112443518	0.0054192191980314	0.529898781305311
UCEC	PADI2	cg17183414	-0.121056456674028	439	-1.59474695246977	0.112615414723176	0.0146546657024709	0.259333478567721

UCEC	PADI2	cg18228326	-0.0643313812585568	439	-0.842988142363701	0.400412657735252	0.00413852661463379	0.596931995014779
UCEC	PADI2	cg18879300	0.147787852459741	439	1.95403402321171	0.0523283723438809	0.0218412493346623	0.149162251679238
UCEC	PADI2	cg19282714	-0.0272393365812773	554	-0.360476310547475	0.718925691580228	0.000741981457388113	0.840480670405487
UCEC	PADI3	cg01459162	0.0364421990186324	554	0.482405410941762	0.630120820157301	0.00132803386931361	0.781741086787378
UCEC	PADI3	cg12858514	-0.293456801529506	554	-4.06085871323112	7.36541360560619e-05	0.0861168943639278	0.000741056629635965
UCEC	PADI3	cg14664242	-0.216876058646528	439	-2.9051679430265	0.0041559983672009	0.0470352248140524	0.0214042857979495
UCEC	PADI3	cg17589397	0.0686566231384324	439	0.899925354991302	0.369425551113727	0.00471373190077273	0.568131802558056
UCEC	PADI3	cg18768338	-0.224839089724021	439	-3.01741067530576	0.00293914511954892	0.0505526162679264	0.0161966321052765
UCEC	PADI3	cg21966975	-0.221431823070559	439	-2.96930733546574	0.00341368933209339	0.0490320522683512	0.0182732091034799
UCEC	PADI4	cg16091981	-0.0246509836340042	439	-0.322451426636226	0.747504627356859	0.000607670994123942	0.858322877942428
UCEC	PADI4	cg18333690	-0.0151771391278748	554	-0.200797806501644	0.841089857949161	0.000230345552106869	0.914895661570547
UCEC	PADI4	cg19159961	0.0449325303471087	439	0.588163107903524	0.557198809261607	0.00201893228339385	0.728455157847197
UCEC	PADI4	cg21295838	-0.0351373341481305	439	-0.459764173587059	0.646269508204178	0.00123463225103738	0.792582569344597
UCEC	PADI4	cg23228178	0.00553078571708931	554	0.0731665368867961	0.941757154438262	3.05895906483591e-05	0.968934244198939
UCEC	PADI4	cg26918754	0.0140764776119437	439	0.184092069744104	0.854159353188735	0.000198147221959553	0.92216741958416
UCEC	PADI6	cg12643633	0.103228268121678	439	1.35713499946521	0.176526928351441	0.0106560753394011	0.352510097393845
UCEC	PADI6	cg16017904	0.0456890163039399	439	0.59808598894118	0.550573864312761	0.00208748621082168	0.723135964888518
UCEC	PARP1	cg00653565	0.122403029261448	439	1.61275444799055	0.108641869250985	0.0149825015723789	0.252741793555954
UCEC	PARP1	cg02088626	-0.0928181911206753	439	-1.21901775537174	0.224516374540771	0.0086152166029142	0.413735311948011
UCEC	PARP1	cg03149313	0.112106962233515	439	1.47528876386029	0.141973797546172	0.0125679709812266	0.304211295079485
UCEC	PARP1	cg04960271	0.265318719621644	554	3.64030241213812	0.00035833739906242	0.0703940229816685	0.00283557111409438
UCEC	PARP1	cg07113065	-0.1447788401714	439	-1.91338838292458	0.0573690262694108	0.0209609125613759	0.159323362473317
UCEC	PARP1	cg17661881	-0.0372568297555367	554	-0.493203950866487	0.622486819634279	0.00138807136343304	0.776372494033084
UCEC	PARP1	cg25722198	-0.0613313995548452	439	-0.803524787552711	0.422787007486974	0.00376154057135606	0.617855323961484
UCEC	PARP1	cg26464410	0.0827585922312514	439	1.08593418333406	0.279036581784856	0.00684898458809854	0.476038856214278
UCEC	PARP2	cg01813761	-0.222521764583153	439	-2.96717681991575	0.00344152787947152	0.0495159357132	0.0183842765814466
UCEC	PARP2	cg10910545	-0.281206592668629	439	-3.83188024924044	0.000178396226478043	0.0790771477603005	0.00157724241875587
UCEC	PARP2	cg15078479	-0.129312066726764	554	-1.72512206521246	0.0862708790646907	0.0167216106011471	0.214370333887115
UCEC	PARP2	cg15365367	-0.174689003598001	439	-2.32002868940859	0.0215207119735904	0.0305162479780624	0.0770341079130122
UCEC	PARP2	cg18899035	-0.0487432528755679	428	-0.61921858330685	0.536647603421097	0.00237590470089156	0.712732688545592
UCEC	PARP2	cg19540080	0.10988978282716	439	1.44575116350366	0.150077261715756	0.0120757643698005	0.315729837640977
UCEC	PARP2	cg24595957	0.273146569598427	554	3.75622977266484	0.000234672719826818	0.0746090484833883	0.00198414624130067
UCEC	PARP2	cg26206608	-0.0297186503292439	439	-0.388793509356224	0.697912577500836	0.000883198177391868	0.826728359955793
UCEC	PARP2	cg26430074	0.0451495960612398	439	0.591010270106521	0.555293919695182	0.00203848602449312	0.726746440819754
UCEC	PAXIP1	cg02824291	0.188167812353707	439	2.50536707843014	0.0131675255043513	0.03540712560598	0.0528435854032859
UCEC	PAXIP1	cg12220104	0.123751252159994	439	1.63079307147737	0.104774448215063	0.0153143724111663	0.246281911204628
UCEC	PAXIP1	cg22583711	0.103930734044486	439	1.36647077150711	0.173585343825627	0.0108015974790256	0.348568654334447
UCEC	PAXIP1	cg24448952	-0.0393189688532395	439	-0.514560139413649	0.607524837612341	0.00154598131168201	0.765495937263788
UCEC	PAXIP1	cg24452135	0.069524590953512	439	0.911357265850306	0.363390108595618	0.00483366874725317	0.562343500389638
UCEC	PCGF1	cg03203239	-0.0148949609574976	439	-0.194798498927859	0.845781944383478	0.000221859861925377	0.917667511595094
UCEC	PCGF1	cg08092637	-0.0144773420843492	439	-0.189335656145183	0.850054294392525	0.000209593433827269	0.920057374302221
UCEC	PCGF1	cg27306986	0.0608897520648845	439	0.797716993638726	0.426141090825376	0.0037075619065231	0.620808165639571
UCEC	PCGF2	cg09395368	-0.118421010295679	439	-1.55952931574594	0.120719966212081	0.0140235356794493	0.271759773738094
UCEC	PCGF2	cg17902383	-0.0368951898189397	439	-0.482795927868299	0.629858145090192	0.00136125503177559	0.781613865436172
UCEC	PCGF2	cg20228512	-0.171354998833504	554	-2.30084454931644	0.0225797445073214	0.0293625356252302	0.079782379261596
UCEC	PCGF2	cg25377665	-0.0973413060710649	439	-1.2789765328812	0.202638229092393	0.00947532986762073	0.386345082322713
UCEC	PCGF5	cg03905463	0.131219567701448	439	1.73088489544493	0.0852761269182732	0.0172185749477549	0.212538718401952
UCEC	PCGF5	cg06001881	-0.00305250478424791	439	-0.0399168656064614	0.968205970651597	9.31778545785639e-06	0.983323523863161
UCEC	PCGF5	cg07421809	-0.157450505925726	439	-2.08493821696028	0.0385604555182818	0.024790661816267	0.11916151889208
UCEC	PCGF5	cg07424295	-0.0449115605717221	439	-0.587888060363492	0.557382999314779	0.00201704827298746	0.728651382771959
UCEC	PCGF5	cg08633154	0.0107137661251872	554	0.1417379387736	0.887450044026979	0.00011478478458521	0.940230279393613
UCEC	PCGF5	cg11113644	-0.0486113121929473	439	-0.636427795271129	0.525348603907623	0.00236305967312019	0.704297395953499
UCEC	PCGF5	cg12783297	-0.223402960319011	439	-2.99712150592296	0.00313136511199988	0.0499088826792976	0.0170517581914405
UCEC	PCGF5	cg15550435	-0.151739849494764	439	-2.00750194552561	0.0462710267455907	0.0230249819246935	0.136322978778507
UCEC	PCGF5	cg17001035	0.0877581225355839	554	1.16542727494867	0.245432110548664	0.00770148807097055	0.438328373195499
UCEC	PCGF5	cg20515900	-0.139446456488993	439	-1.84149111712353	0.0672820043001024	0.0194453142273367	0.179061019873938
UCEC	PCGF5	cg22968329	-0.0822064934926969	439	-1.0786402469485	0.28226728922706	0.00675790757236482	0.479405761464717

UCEC	PCGF5	cg23395902	-0.0551590480220475	43%	-0.722397940923243	0.471036631713958	0.00304252057869855	0.659405512363564
UCEC	PCGF5	cg25390656	0.168600505621743	43%	2.23675808046279	0.0265947224619282	0.0284261304959072	0.0902401874852832
UCEC	PCGF6	cg01917164	-0.206476317897869	43%	-2.75949082881695	0.00642009417544707	0.0426324698526617	0.0302437208601628
UCEC	PCGF6	cg06691148	-0.0775727417643981	43%	-1.01746114727428	0.310371496621812	0.00601753026484599	0.509199597163945
UCEC	PCGF6	cg11612727	0.0943925516456664	43%	1.23987877117273	0.216718998878272	0.00890995380617979	0.404022090122848
UCEC	PCGF6	cg11814370	-0.174234658973721	43%	-2.31380540906758	0.0218681431820442	0.0303577163876889	0.0779263584216916
UCEC	PCGF6	cg14409890	-0.274756333913115	43%	-3.73671698912416	0.000253875701325414	0.0754910430253749	0.0021198971064355
UCEC	PCGF6	cg16113748	-0.0803844987769777	43%	-1.05457640333992	0.293106849731576	0.00646166764362592	0.490778462848335
UCEC	PCGF6	cg16382383	0.105585273096492	43%	1.38846779054233	0.166800654993671	0.0111482498948608	0.339359524925534
UCEC	PCGF6	cg24418712	-0.17643538374953	43%	-2.34396359812192	0.0202292547502425	0.0311294446388439	0.0734522587650112
UCEC	PCGF6	cg25481680	-0.0929798155393689	43%	-1.22115892720427	0.223706859998954	0.00864524609773507	0.412639038927293
UCEC	PCGF6	cg26155979	0.00526390862515927	43%	0.0688354909140647	0.945200993977114	2.77087340140261e-05	0.970693009009196
UCEC	PCGF6	cg27217148	-0.0935057747505869	55%	-1.24240844846995	0.215748170170006	0.0087433299117075	0.402921499427675
UCEC	PHC1	cg02770112	0.00714356412144545	43%	0.0934166058851038	0.925681960201804	5.10305083572028e-05	0.960884158997907
UCEC	PHC1	cg08021945	-0.242059939145627	43%	-3.26236287737307	0.00133395490268912	0.0585930141391848	0.00852700802792088
UCEC	PHC1	cg08867249	-0.186048331507737	43%	-2.4761293756971	0.0142547119651407	0.0346139816568129	0.0561143134609937
UCEC	PHC1	cg09059548	-0.180573209995348	55%	-2.42868282503025	0.0161656416727995	0.0326066841680239	0.0618071424924444
UCEC	PHC1	cg09912793	-0.392872586107313	43%	-5.58668473018835	8.96583150282831e-08	0.154348868914648	1.96475463642542e-06
UCEC	PHC1	cg12581035	-0.00627124752170754	55%	-0.0829624381748932	0.933976225284811	3.93285454785229e-05	0.964910311684018
UCEC	PHC1	cg14199415	0.0553948247189547	43%	0.725495306666427	0.469139923692184	0.00306858660564372	0.658041023109693
UCEC	PHC2	cg06899053	-0.0434571870341496	43%	-0.568813823945811	0.570228794470523	0.00188852710492106	0.738269157006339
UCEC	PHC2	cg13640100	-0.054919716282324	43%	-0.719253997040709	0.472966219492407	0.00301617523653097	0.661024290884127
UCEC	PHC2	cg15586632	0.0738007727476611	43%	0.967709269698359	0.33455626436858	0.00544655405815191	0.534150231509273
UCEC	PHC2	cg16558908	-0.161927069759549	43%	-2.14578977108162	0.0333002048047285	0.026220375920914	0.106708247830418
UCEC	PHC2	cg17161743	-0.0945365532566683	43%	-1.24178732614471	0.216015561834027	0.00893715990165088	0.403213153953412
UCEC	PHC2	cg19746874	0.0876107591197355	43%	1.15008164776982	0.251716094075349	0.00767564511353632	0.44549086952809
UCEC	PHC2	cg21198021	0.0311758944292041	55%	0.412618886201234	0.680390920916895	0.000971936393460877	0.815642914627068
UCEC	PHC2	cg21578869	0.0059174421024011	43%	0.0773819512056027	0.938410166573854	3.50161210352691e-05	0.967076628052756
UCEC	PHC2	cg23886755	0.0343115495544006	55%	0.454166555975391	0.650271733487799	0.00117728243282409	0.795409349753138
UCEC	PHF1	cg01097444	-0.250642130055498	43%	-3.38564145917615	0.000880904850041959	0.0628214773587572	0.00603940353434072
UCEC	PHF1	cg02776641	-0.224970930774459	43%	-3.01927431820992	0.002922044498339737	0.0506119196935266	0.0161229567656157
UCEC	PHF1	cg03560363	-0.247687287648857	43%	-3.34310253759369	0.00101783972756028	0.0613489924628478	0.00681309789759285
UCEC	PHF1	cg03876174	-0.188425643735156	43%	-2.50892626323251	0.0130403610393845	0.0355042232170078	0.052452890712328
UCEC	PHF1	cg06618123	-0.0186266886983109	43%	-0.243617826765272	0.807818839157739	0.000346953531863784	0.895907887567712
UCEC	PHF1	cg06919790	-0.208076001018831	43%	-2.78183372046046	0.00601238335246591	0.0432956221999885	0.0287160701449983
UCEC	PHF1	cg07857404	0.0824575779386679	43%	1.07878901543427	0.28221006409799	0.0067992521595115	0.47934150945197
UCEC	PHF1	cg08665801	-0.251774606610008	43%	-3.40197165679499	0.000833071266998084	0.0633904525336243	0.0057663445275246
UCEC	PHF1	cg08798692	-0.174181086781442	43%	-2.31307171689597	0.0219094262053172	0.0303390509923641	0.0780270052287333
UCEC	PHF1	cg10033570	0.00228084423703675	43%	0.0298259861868266	0.976240615773328	5.20225043362375e-06	0.987422964433455
UCEC	PHF1	cg10797813	-0.135076914018962	43%	-1.78269807431987	0.0764096265105203	0.0182457727008861	0.196531016777262
UCEC	PHF1	cg13303256	0.0365098627424154	55%	0.483302307258244	0.629485227239882	0.00133297007747001	0.781407272160917
UCEC	PHF1	cg13528777	-0.251335011535133	43%	-3.39563097330484	0.000851347932948098	0.0631692880233654	0.00587143272125571
UCEC	PHF1	cg13547657	-0.0513268253545484	43%	-0.672071184869658	0.502445406277234	0.00263444300097631	0.686041911995282
UCEC	PHF1	cg18443095	-0.222758450408454	43%	-2.98802276809036	0.0032212661116986	0.0496213272283756	0.0174582120589021
UCEC	PHF1	cg20135607	0.0365910513687858	43%	0.47881073388119	0.632684954905504	0.00133890504027312	0.78355637000587
UCEC	PHF1	cg20872639	-0.187252177386355	43%	-2.49273170156823	0.0136279491319789	0.0350633779359308	0.0542426541198859
UCEC	PHF1	cg23345642	-0.145639149497434	43%	-1.92500382358693	0.0558885874596432	0.0212107618663359	0.156305607306424
UCEC	PHF1	cg23718418	-0.0425092648366252	43%	-0.556383699198846	0.578675936748751	0.00180703759695034	0.744897505102255
UCEC	PHF1	cg24796663	-0.0752639046107449	43%	-0.987002748236703	0.325035790042818	0.00566465533725531	0.524460918229337
UCEC	PHF1	cg26673053	-0.21171322316503	43%	-2.83272225649137	0.00517019704161259	0.044822488862926	0.025461183050909
UCEC	PHF10	cg04353997	-0.373289870453741	43%	-5.2617449734646	4.22964862975338e-07	0.139345327383371	7.93635517373455e-06
UCEC	PHF10	cg05243705	-0.200025448326506	43%	-2.66962335979745	0.00832562381554199	0.0400101799782198	0.0370485973633608
UCEC	PHF10	cg05736120	-0.21984521155372	43%	-2.9469469222324	0.0036574045034331	0.0483319170431	0.0193015484661878
UCEC	PHF10	cg07652237	-0.253947518395974	43%	-3.4333466827896	0.000747914792835994	0.0644893420994734	0.00526974761288681
UCEC	PHF10	cg11442717	-0.246690330644046	55%	-3.36748046376982	0.00093277439239914	0.0608561192332685	0.00633531353062688
UCEC	PHF10	cg15342139	-0.0938838826446438	43%	-1.23313764968961	0.219216883970097	0.00881418342043325	0.407098380835256
UCEC	PHF10	cg15360169	-0.144178221832596	43%	-1.90528178148115	0.0584216258950534	0.0207873596508092	0.161485644005109

UCEC	PHF10	cg16740543	0.133821985398399	554	1.78636613944216	0.0757712819890906	0.0179083237759693	0.195342291863565
UCEC	PHF10	cg27124293	-0.238364346046211	439	-3.20953042880537	0.00158794093544814	0.0568175614660378	0.00985656084993637
UCEC	PHF11	cg00092518	-0.289267101555305	439	-3.95159511151061	0.000113394918556293	0.0836754560422072	0.00107333497932658
UCEC	PHF11	cg01214340	-0.313597494791189	439	-4.31867034077688	2.65383668970302e-05	0.0983433887393098	0.000306408702810889
UCEC	PHF11	cg02289189	-0.169159973883137	439	-2.24439860354552	0.0260892194093926	0.0286150967641436	0.0889661480179847
UCEC	PHF11	cg05080330	-0.173774570530991	439	-2.30750500714341	0.0222248855876578	0.0301976013632302	0.0787928078258618
UCEC	PHF11	cg09997676	-0.325287736026276	439	-4.49833042498866	1.2606213207977e-05	0.1058121112091	0.000160531633704593
UCEC	PHF11	cg16956501	-0.289186231858499	439	-3.95038953920673	0.000113919355874809	0.0836286766965173	0.00107760729218445
UCEC	PHF11	cg21320768	-0.349202473949337	439	-4.87319574048258	2.49135040813672e-06	0.121942367812337	3.83284404325605e-05
UCEC	PHF11	cg23137039	-0.0617325361462336	439	-0.808800261743215	0.419753907836458	0.00381090601904603	0.61510914425837
UCEC	PHF11	cg24481868	-0.289542276835684	439	-3.95569800370272	0.000111627274019076	0.0838347300751919	0.00105940370318897
UCEC	PHF11	cg24984523	-0.284046447647862	439	-3.8739554891696	0.00015231016128124	0.0806823844213695	0.00137969453734429
UCEC	PHF11	cg25162948	-0.345907223142501	439	-4.82092580396042	3.14022961669863e-06	0.119651807022156	4.70695612334206e-05
UCEC	PHF12	cg01406758	-0.0924231124636762	439	-1.21378423173871	0.22650390109498	0.00854203171747333	0.416062064220039
UCEC	PHF12	cg02058367	0.236652330220616	439	3.18510561846473	0.00171994261505324	0.0560043253988474	0.0105161630622808
UCEC	PHF12	cg06895197	0.366997012865122	439	5.15909971583044	6.81710782564117e-07	0.134686807451923	1.21723137387038e-05
UCEC	PHF12	cg08657247	-0.087831296379687	439	-1.15299915706839	0.250519894413847	0.00771433662373641	0.444192471020646
UCEC	PHF12	cg08806622	0.157926505717154	439	2.09140231834007	0.0379697674974694	0.0249407812080301	0.117821152234283
UCEC	PHF12	cg13564075	0.133438726824186	554	1.7811572052333	0.0766213282242397	0.0178058938164597	0.196935305560437
UCEC	PHF14	cg06715026	-0.082045715465913	439	-1.07651635013999	0.28321281920203	0.00673149942631356	0.480539554995806
UCEC	PHF14	cg07287563	-0.108853950402698	439	-1.43195916241706	0.153980829343027	0.011849182518273	0.321414168287624
UCEC	PHF14	cg07574654	0.0763081546330708	439	1.00077658608416	0.318348890094329	0.00582293446350465	0.517676286705648
UCEC	PHF14	cg11931558	-0.0507082607942882	439	-0.663950720097446	0.50761606845086	0.00257132771278155	0.690315259663774
UCEC	PHF14	cg13029706	0.0878789473079236	439	1.15362955835871	0.250261952267997	0.00772270937994881	0.443896995251523
UCEC	PHF14	cg16800461	-0.0957984231937109	439	-1.25851515709433	0.209921050926296	0.00917733788640132	0.39548103154918
UCEC	PHF14	cg20819769	-0.0422355485216691	439	-0.552794732678454	0.581125881811137	0.00178384155892627	0.746748811691668
UCEC	PHF14	cg20964328	0.00935732277020678	439	0.122368230379432	0.902751089956161	8.75594894258304e-05	0.948559716391896
UCEC	PHF14	cg22876561	0.0889984540874799	439	1.16844245776064	0.244254728653012	0.00792072482996127	0.437018223570202
UCEC	PHF14	cg23083824	-0.133367823363895	439	-1.75973095759649	0.0802416056690357	0.0177869763088232	0.203485199707174
UCEC	PHF14	cg24491907	-0.0132905982014961	439	-0.173812475174395	0.862218430859958	0.000176640000553611	0.926761552161084
UCEC	PHF19	cg11054680	-0.156343172780211	439	-2.06384510122727	0.0405519583990031	0.024443187674983	0.123592519165212
UCEC	PHF19	cg11594303	-0.13064434797284	439	-1.72316526584007	0.0866662895623153	0.0170679456572485	0.215066424135084
UCEC	PHF19	cg13501527	-0.12528876543439	439	-1.65137551590663	0.10049717135436	0.0156972747440736	0.239045898191488
UCEC	PHF19	cg13793166	-0.0401978567860301	411	-0.502477202806276	0.616040456037566	0.00161586769019018	0.771764356361602
UCEC	PHF19	cg13851767	0.0877679986985937	439	1.15216176830073	0.250862819392978	0.00770322159555635	0.444476328873696
UCEC	PHF19	cg13852822	0.1564228340442	439	2.07098745540227	0.0398621685245073	0.0244681030104192	0.122184571519646
UCEC	PHF19	cg14218513	-0.134622856363004	439	-1.77659478105046	0.077412950169192	0.0181233134553341	0.198309504921698
UCEC	PHF19	cg27207079	0.0329857416992686	439	0.431579399794822	0.666590766630232	0.00108805915545087	0.806517067394769
UCEC	PHF20	cg01512265	-0.267946539799034	439	-3.63684119671995	0.000365058827622018	0.0717953481902753	0.00288026231602711
UCEC	PHF20	cg02674305	-0.242294960639209	439	-3.26572782952863	0.00131913361594863	0.0587068479511558	0.00844684175809598
UCEC	PHF20	cg02957488	-0.0528883936452375	439	-0.692574796805069	0.489515887293289	0.0027971821823736	0.675477569506965
UCEC	PHF20	cg04179482	0.137293484050081	439	1.81250897906239	0.071661600448701	0.01884950076261	0.187566198280945
UCEC	PHF20	cg09692677	-0.329457710230194	439	-4.56296755567941	9.59381485936591e-06	0.108542382830122	0.00012626788984332
UCEC	PHF20	cg10372813	-0.107729947543413	439	-1.41699851990658	0.158302678779117	0.0116057415977064	0.327402827894253
UCEC	PHF20	cg21765224	-0.0909587707615922	439	-1.19439142899438	0.2339789944005	0.00827349797845988	0.424946581930067
UCEC	PHF20	cg23538717	0.13562299272023	439	1.79003979368681	0.0752169166458835	0.0183935960323309	0.19429621508666
UCEC	PHF20	cg23734815	-0.225726063511234	439	-3.02995188777457	0.00282582456618078	0.0509522557482775	0.0156944525095643
UCEC	PHF20	cg25561939	0.347276980401826	439	4.84262837551223	2.85307463732911e-06	0.12060130111701	4.32402276127763e-05
UCEC	PHF20	cg27405321	-0.294236339175855	439	-4.02585308638724	8.5172212222451e-05	0.0865750232916085	0.000838189383634833
UCEC	PHF20L1	cg02898212	0.362111054357214	439	5.0799687580143	9.80718615885595e-07	0.131124415687693	1.6834515446647e-05
UCEC	PHF20L1	cg05307234	-0.19088159556601	439	-2.54285607595468	0.0118820324383713	0.0364357835258259	0.0487784079952854
UCEC	PHF20L1	cg10591701	-0.325439145361786	439	-4.50067219058998	1.24827129388186e-05	0.10591063733381	0.000159167377538511
UCEC	PHF20L1	cg17646969	0.0816396770544573	439	1.06801629237918	0.287027422174939	0.00666503686955609	0.484454910517828
UCEC	PHF20L1	cg24511731	0.123605535196013	439	1.62884300307324	0.105187146222974	0.0152783283310928	0.246974438548293
UCEC	PHF20L1	cg26292018	0.266883753242423	439	3.62130735209903	0.000386020954518933	0.0712269377447625	0.00301628305904438
UCEC	PHF20L1	cg27342122	0.10668104678418	554	1.41935745283587	0.157573588800013	0.0113808457429685	0.326304463148726
UCEC	PHF21B	cg01775414	-0.0976948567254292	554	-1.29859340677954	0.19579209337612	0.00954428503060214	0.377641932306772

UCEC	PHF21B	cg01995480	-0.0757713465517137	43%	-0.993695584153055	0.321775128848229	0.00574129695825989	0.521243011278092
UCEC	PHF21B	cg05064352	-0.0600466151011706	55%	-0.795777975589351	0.427239191158518	0.00360559598510813	0.621617521451817
UCEC	PHF21B	cg10080155	-0.0640540369238878	43%	-0.839338861389342	0.402451055211375	0.00410291964624678	0.598998749105532
UCEC	PHF21B	cg11428482	-0.0627852324306274	43%	-0.822646481220112	0.411854737175512	0.0039419854113679	0.607493741564092
UCEC	PHF21B	cg14786713	0.0665235179551236	43%	0.871839124433226	0.384518594226748	0.00442537844112565	0.58266312128395
UCEC	PHF21B	cg15679813	-0.0798471221822919	43%	-1.04748108963268	0.296356045443826	0.00637556292079386	0.494322824229871
UCEC	PHF21B	cg20495645	-0.0695820175819058	43%	-0.912113698867274	0.362992959359482	0.00484165717076865	0.561965945276788
UCEC	PHF21B	cg20525183	-0.0281767135162431	43%	-0.3686046920318	0.712878343542893	0.000793927184576439	0.836591610462752
UCEC	PHF21B	cg21715212	-0.154977741723521	43%	-2.05138181715501	0.0417549774887636	0.0240181004297224	0.126330363791856
UCEC	PHF21B	cg23080354	-0.0511882909692508	43%	-0.670252449772356	0.503601029166011	0.00262024113235269	0.686956662509919
UCEC	PHF21B	cg25561581	-0.118454930635667	43%	-1.55998238134068	0.120612854441461	0.0140315705919007	0.271584022646647
UCEC	PHF21B	cg25976257	-0.0684042785463002	43%	-0.896602137896226	0.371191761322016	0.00467914532343982	0.569871329842472
UCEC	PHF23	cg00039960	0.128745216318833	43%	1.69769084737394	0.0913852148327757	0.016575330724983	0.223265542450253
UCEC	PHF23	cg01441172	0.341286503266138	43%	4.74797157926486	4.32529128924549e-06	0.116476477311628	6.26478701462602e-05
UCEC	PHF23	cg04379155	-0.186941641481472	43%	-2.48844796792021	0.0137872707636677	0.0349471773197872	0.0547255952746961
UCEC	PHF23	cg11180288	0.300701520448966	43%	4.1230021692503	5.82292357348738e-05	0.09042140440032	0.000605923644296251
UCEC	PHF23	cg13351208	0.171499819615498	43%	2.27637761404855	0.0240633089076178	0.0294121881281483	0.0837350623170164
UCEC	PHF23	cg22033559	-0.252483096153109	43%	-3.41219558605578	0.000804372790622294	0.0637477138430599	0.00559307980637028
UCEC	PHF23	cg26213471	-0.387797838759707	43%	-5.48553906783199	1.47232054620579e-07	0.1503871637467	3.07495982504698e-06
UCEC	PHF23	cg26784276	0.254296980948071	43%	3.43839779970838	0.000734992371255349	0.0646669545193035	0.00519233531869221
UCEC	PHIP	cg01492710	0.0321508157375392	43%	0.42064393101518	0.674543264436417	0.0010336749525892	0.81181457285186
UCEC	PHIP	cg04480383	0.0174661143490493	43%	0.228433928424665	0.819581858636007	0.000305065150454065	0.902839862797076
UCEC	PHIP	cg05801338	0.00580154786283142	43%	0.0758663593146858	0.9396141070101	3.36579576047239e-05	0.967773814597199
UCEC	PHIP	cg06848288	0.0537880432074327	55%	0.712580478211294	0.477054407855288	0.00289315359208465	0.664707884451467
UCEC	PHIP	cg08287994	-0.0819823321566958	43%	-1.07567907236983	0.283586158077062	0.0067211027858508	0.480826938264395
UCEC	PHIP	cg08587415	-0.0497234532679103	43%	-0.65102382457463	0.515904977766431	0.00247242180488606	0.697044993664375
UCEC	PHIP	cg15564972	0.0187207457933996	43%	0.244848426507199	0.806867367938277	0.000350466323061089	0.895363241158125
UCEC	PHIP	cg19494004	-0.0832258703717242	43%	-1.09210831658405	0.276321769167697	0.00692654549913104	0.472881169488839
UCEC	PHIP	cg19950079	-0.0888729370901527	43%	-1.1667814422076	0.244923207527377	0.00789839894703023	0.437821549355105
UCEC	PHIP	cg21607066	-0.0118280300012259	55%	-0.15648107582886	0.875834209236455	0.0001399022937099	0.934340215710097
UCEC	PHIP	cg21875336	-0.0551313679507754	43%	-0.722034319629321	0.47125957906548	0.00303946773212378	0.659595377015071
UCEC	PHIP	cg26363168	-0.12399953651297	43%	-1.63411600267318	0.104074196351714	0.0153758850554313	0.245113621476349
UCEC	PHRF1	cg06063517	-0.0209901592293299	43%	-0.274542435215923	0.783999193269597	0.000440586784472622	0.880855477198368
UCEC	PHRF1	cg07530960	-0.0171671043149638	43%	-0.224522105419784	0.822619123246653	0.000294709470560848	0.904635672012696
UCEC	PHRF1	cg08482978	-0.150576771676962	43%	-1.99175616184249	0.0479896967161771	0.0226733641686559	0.140024913159334
UCEC	PHRF1	cg12469954	-0.334094052625054	43%	-4.63518560277589	7.04825960374671e-06	0.111618835999432	9.60266738378058e-05
UCEC	PHRF1	cg12813709	0.0745899227034694	43%	0.978114547695148	0.329399414674174	0.00556365656890954	0.529087565609454
UCEC	PHRF1	cg15219216	0.1142750796448	43%	1.5041943288879	0.134376063494913	0.0130587938278253	0.292696387610898
UCEC	PHRF1	cg16143007	-0.106039638714437	43%	-1.39451059286796	0.164972503789074	0.0112444049786884	0.336833163285664
UCEC	PHRF1	cg18793109	-0.0649966644178563	43%	-0.851742701538568	0.395548162899125	0.00422456638544742	0.592245006150751
UCEC	PHRF1	cg20152424	-0.00626153128428689	43%	-0.081881751475472	0.934836508516008	3.92067740241035e-05	0.965337572256216
UCEC	PHRF1	cg21006161	-0.0413482985081424	43%	-0.541161969332174	0.589100248854567	0.00170968178951846	0.752445814195517
UCEC	PPARGC	cg04893087	-0.0205081353345091	55%	-0.271354199310132	0.786438451516013	0.000420583614898542	0.882258171421685
UCEC	PPARGC	cg05158538	-0.153833894853083	55%	-2.05365364971285	0.0415054456154817	0.0236648672056694	0.125734993621915
UCEC	PPARGC	cg11270806	-0.104558984943914	43%	-1.37482197668885	0.170985429235286	0.0109325813325017	0.344995343965397
UCEC	PPARGC	cg12691631	-0.179984183458319	43%	-2.39267212319252	0.0178100300202572	0.0323943062951579	0.0666112247786486
UCEC	PPARGC	cg20723350	-0.17045374086602	43%	-2.2620758358558	0.0249516854868534	0.0290544777752203	0.086067991875328
UCEC	PPARGC	cg27461259	0.0323041175687126	43%	0.422651739772804	0.673080360230961	0.0010435560118932	0.810871688818933
UCEC	PPARGC	cg27514608	-0.111335078497903	43%	-1.46500310357271	0.144756243435405	0.0123954997041343	0.308271754771801
UCEC	PRDM1	cg00555933	-0.107792573489155	43%	-1.41783193522623	0.158059508754948	0.0116192388994149	0.327084335490182
UCEC	PRDM1	cg01761420	0.0812237144873202	43%	1.06565893824845	0.288080187457278	0.0065972917951177	0.485589142465148
UCEC	PRDM1	cg05170275	-0.0350858385574934	43%	-0.459089534177572	0.64675290447996	0.00123101606728249	0.792887913690021
UCEC	PRDM1	cg08742502	-0.0657947749832313	43%	-0.862246662057808	0.389759383905809	0.00432895241509404	0.587361726017842
UCEC	PRDM1	cg14359052	-0.054104263737154	43%	-0.708542862791144	0.479572981368987	0.00292727135453951	0.666891956424113
UCEC	PRDM1	cg17143179	-0.0926156142606722	43%	-1.21633419004978	0.225533931497905	0.00857765200488163	0.414926193732726
UCEC	PRDM1	cg17521665	-0.0626517301649077	43%	-0.82089036092466	0.412851638227923	0.00392523929265641	0.60844528661496
UCEC	PRDM1	cg17965230	0.000674869282263289	55%	0.00892768347477705	0.992887002986683	4.55448548142567e-07	0.996306467557703

UCEC	PRDM1	cg19464016	-0.038327319073514	554	-0.507395588251693	0.612516112309891	0.00146898338736295	0.769194783383413
UCEC	PRDM1	cg22186515	-0.0745325640591535	439	-0.977358187527592	0.329772506216352	0.00555510310523181	0.529391711692012
UCEC	PRDM1	cg22196848	-0.0481472711014396	439	-0.630338303757002	0.529314717074045	0.00231815971451552	0.707505182042547
UCEC	PRDM1	cg24040346	-0.00818241889879805	439	-0.107002593358386	0.914912355964172	6.69519790354075e-05	0.955027290848176
UCEC	PRDM1	cg24793124	-0.0861160287343659	439	-1.13031218021999	0.259927609707984	0.00741597040497813	0.45494203139971
UCEC	PRDM1	cg24874254	-0.0696179519225796	439	-0.912587036561332	0.3627445828297	0.0048466592298946	0.561735649268526
UCEC	PRDM1	cg26351406	-0.0877123614347004	439	-1.15142573368057	0.251164510941583	0.00769345834845152	0.444787998001081
UCEC	PRDM10	cg04181189	0.108911486934985	439	1.432725131106	0.153762014112915	0.0118617119863893	0.321086651793098
UCEC	PRDM10	cg17627813	-0.0632796994095526	439	-0.82915120345556	0.408174754661324	0.00400432035736333	0.604174971735948
UCEC	PRDM12	cg09191327	-0.0174364386192675	554	-0.230697473758369	0.817819313946303	0.000304029391723485	0.902035072650872
UCEC	PRDM12	cg12539975	0.100991474669576	554	1.34285727085206	0.181057303109831	0.0101992779559356	0.358327951627575
UCEC	PRDM12	cg13795948	0.124401571797042	439	1.63949733165733	0.102948132205236	0.0154757510655746	0.243205192735322
UCEC	PRDM12	cg13928649	-0.026086290265497	439	-0.341238634510306	0.733342872416027	0.000680494539815766	0.849522379818813
UCEC	PRDM12	cg23342516	0.17920242217253	439	2.38193395969704	0.018320220679106	0.0321135081125018	0.0680482833990819
UCEC	PRDM13	cg00126261	0.121858069621077	439	1.60546570847957	0.110236516569675	0.0148493891317752	0.255420389278372
UCEC	PRDM13	cg00579292	-0.0154574263970717	439	-0.202156231018343	0.840034894267796	0.000238932030820888	0.914303692727583
UCEC	PRDM13	cg01422797	0.243126438646383	439	3.27763753678372	0.00126789855893552	0.0591104651688736	0.00817757309667887
UCEC	PRDM13	cg01815538	0.0314757454029469	439	0.411802821872506	0.68099967103408	0.000990722548671132	0.816005802739859
UCEC	PRDM13	cg02400433	-0.0849661741008772	439	-1.11510931739964	0.266368280581056	0.00721925074134057	0.462117314109146
UCEC	PRDM13	cg03120185	0.0796722964383767	439	1.04517295626766	0.297418242665643	0.00634767481976458	0.495478398396707
UCEC	PRDM13	cg04910970	-0.135570165781374	439	-1.78932949833512	0.075331634665276	0.0183792698499892	0.194495675123643
UCEC	PRDM13	cg11809464	-0.0192652805587991	439	-0.251972997583279	0.801364521879085	0.000371151035009243	0.891596968222158
UCEC	PRDM13	cg13738144	-0.0806184447807431	439	-1.05766562511569	0.291699750469239	0.00649933363886573	0.489378701488117
UCEC	PRDM13	cg14344102	-0.0262127914683618	439	-0.342894550571161	0.732098944375719	0.000687110436563819	0.848675348375227
UCEC	PRDM13	cg17879189	0.0964539174614684	439	1.26349633470264	0.208140836580497	0.00930335819366376	0.393289165697777
UCEC	PRDM13	cg17978124	0.28512467775902	439	3.88995948777489	0.000143373609630125	0.0812960818671852	0.00130972364814067
UCEC	PRDM13	cg25273233	0.0682000768461365	439	0.893913058531497	0.372624804951351	0.00465125048181893	0.571247887996559
UCEC	PRDM13	cg25924096	0.136345503564436	439	1.79975611286371	0.0736620550149993	0.0185900963422397	0.191328032714663
UCEC	PRDM13	cg26507427	0.00997579856072338	439	0.130456984898423	0.896358226313337	9.95165569241307e-05	0.945073347308627
UCEC	PRDM14	cg00384539	0.027326294239519	439	0.357471156766909	0.721179923177017	0.000746726356864768	0.842027809867068
UCEC	PRDM14	cg01295203	0.0106437110402791	548	0.140811038564605	0.88818117328396	0.000113288584708959	0.940594973991647
UCEC	PRDM14	cg04838988	-0.0471655451373908	439	-0.617456710590967	0.537754884489765	0.00222458864810725	0.713588119130009
UCEC	PRDM14	cg09050331	-0.137828221348827	439	-1.81970485887394	0.0705527893549416	0.0189966186001813	0.185437654404971
UCEC	PRDM14	cg10457247	0.0349453095612997	548	0.462565515858996	0.644250458613913	0.00122117466033507	0.791287693260177
UCEC	PRDM14	cg11229513	-0.0546110702787973	439	-0.715199700696782	0.475460999444607	0.00298236899699573	0.663236080811809
UCEC	PRDM14	cg13267264	0.0199822732901784	439	0.261354313256591	0.794133799916547	0.000399291245843375	0.887262454992262
UCEC	PRDM14	cg18035229	-0.014286182852328	439	-0.186835149061434	0.852011368002577	0.000204095020490151	0.92115033510378
UCEC	PRDM14	cg21255438	-0.0285582248062437	439	-0.373599627623393	0.709164983739422	0.000815572204083954	0.834297866875732
UCEC	PRDM14	cg27029821	-0.00603671791377208	439	-0.0789417684199959	0.937171243190156	3.64419631704567e-05	0.966427175502525
UCEC	PRDM4	cg00090609	-0.0474989786488331	439	-0.621831613281297	0.534880769506085	0.00225615297268231	0.711497607560426
UCEC	PRDM4	cg03909902	-0.0921272589449418	439	-1.2098655013372	0.228000378988871	0.00848743184070836	0.4178147719888
UCEC	PRDM4	cg12900929	0.109236777253984	439	1.4370559097108	0.15252931838757	0.0119326735048366	0.319386999209803
UCEC	PRDM4	cg18440127	-0.184474048659721	439	-2.45443574312021	0.015112279390474	0.0340306746289093	0.0587176437370159
UCEC	PRDM4	cg25995916	-0.149874319522547	554	-2.00530064474807	0.0464719659284708	0.0224623116523464	0.13670788872904
UCEC	PRDM4	cg27140793	0.000860312350157217	439	0.0112500479459369	0.991037064099475	7.40137339833034e-07	0.995204630536336
UCEC	PRDM5	cg05713693	-0.416421298867765	439	-5.98942386571852	1.20916468806456e-08	0.173406698150716	3.24812699389828e-07
UCEC	PRDM5	cg06329345	-0.41899040037574	439	-6.03421451665848	9.62568804618012e-09	0.175552955607023	2.63855100727462e-07
UCEC	PRDM5	cg07070341	-0.413657856414315	439	-5.94143871126871	1.54208389586171e-08	0.171112822173286	4.05286738495492e-07
UCEC	PRDM5	cg10416963	-0.457281269189065	439	-6.72391741958984	2.53921327895524e-10	0.209106159151162	9.35743997266907e-09
UCEC	PRDM5	cg11171429	-0.350967348958812	439	-4.9012750084218	2.19849354086068e-06	0.123178080035176	3.43226182054416e-05
UCEC	PRDM5	cg13155001	-0.454913773158325	439	-6.67999149086222	3.22177436350654e-10	0.206946541009144	1.16357806329911e-08
UCEC	PRDM5	cg18181323	-0.416394009831738	439	-5.98894903427348	1.2120852066916e-08	0.173383971423754	3.25484834550799e-07
UCEC	PRDM5	cg19294653	-0.411879313399433	439	-5.91066057041408	1.80128802865589e-08	0.169644568806389	4.67177809997303e-07
UCEC	PRDM5	cg22135105	-0.462437969768754	439	-6.82022215513264	1.50221331552827e-10	0.213848875883847	5.79103977543143e-09
UCEC	PRDM8	cg01304890	-0.00998484902235622	439	-0.130575352726306	0.896264724857045	9.96972099992479e-05	0.94501163986574
UCEC	PRDM8	cg02895669	0.0887304040777187	439	1.16489531499802	0.245683852085686	0.00787308460779524	0.438667192773787
UCEC	PRDM8	cg04343891	0.0342640071038014	439	0.448323281124692	0.654487436390472	0.00117402218280935	0.798469335171728

UCEC	PRDM8	cg05007549	0.281490850833925	439	3.83608686357166	0.000175608834473961	0.0792370991032072	0.00155699819898907
UCEC	PRDM8	cg07462804	-0.11001568648453	439	-1.44742788166599	0.149607935255182	0.0121034512726624	0.315083742849318
UCEC	PRDM8	cg08074201	-0.110887769009904	439	-1.45477128998422	0.14757652527618	0.0122960973159939	0.312332542112251
UCEC	PRDM8	cg10695325	0.0564164317971335	439	0.738917430339402	0.460970170547405	0.00318281377672061	0.650621682505384
UCEC	PRDM8	cg11571772	-0.0778685781961944	439	-1.02136502928269	0.308524317439522	0.00606351547029684	0.507106290954789
UCEC	PRDM8	cg12572049	0.0829134621805096	439	1.08798039561621	0.278134826653075	0.0068746422107588	0.474969173628566
UCEC	PRDM8	cg14489346	-0.094601993334883	439	-1.24265467564829	0.215696431087682	0.00894953714266936	0.402859122251876
UCEC	PRDM8	cg15656813	0.102325499618947	439	1.34514021804487	0.180361145462916	0.0104705078722671	0.357514522502729
UCEC	PRDM8	cg16117799	-0.0597057416470103	439	-0.782149220414789	0.435208580007064	0.00356477558561954	0.628604089733931
UCEC	PRDM8	cg18624348	-0.0699088614822962	439	-0.916419114351977	0.360737714189555	0.00488724891375088	0.559634572187631
UCEC	PRDM8	cg19595012	-0.0462334394166274	439	-0.605227863357639	0.545829966952051	0.00213753092029095	0.7195967797385
UCEC	PRDM8	cg20142271	-0.0544907357550172	439	-0.713619072406748	0.476435596283073	0.00296924028312311	0.664190648840481
UCEC	PRDM8	cg26162932	-0.0100832055344281	439	-0.131861725283925	0.895248683734479	0.000101671033849522	0.944377074354754
UCEC	PRKAA1	cg00301775	-0.183183867706973	439	-2.43667162797119	0.0158483275427421	0.0335563293880859	0.0608811808236669
UCEC	PRKAA1	cg01883943	0.105453465106019	437	1.38265431701706	0.168584475254079	0.0111204333028663	0.341746421407021
UCEC	PRKAA1	cg03125217	0.125856934447674	439	1.65898455394728	0.0989519190571148	0.0158399679485662	0.236442718651264
UCEC	PRKAA1	cg05874655	0.037025030888289	439	0.484497305230281	0.628652970896892	0.00137085291227876	0.780675699863562
UCEC	PRKAA1	cg06971720	0.141034550958073	439	1.86288621974761	0.0641934577738489	0.0198907445639453	0.172965705668426
UCEC	PRKAA1	cg10786880	0.109501696129578	554	1.4573348047313	0.146816068089415	0.0119906214552545	0.311235501565467
UCEC	PRKAA1	cg24728477	0.0093206111472108	439	0.121888100803952	0.903130759686839	8.68737921575103e-05	0.948758505509675
UCEC	PRKCD	cg02121118	0.0650009472947747	439	0.851799064229492	0.395516961973563	0.00422512314921807	0.592232485271036
UCEC	PRKCD	cg02559423	-0.0797870292115833	439	-1.04668770243514	0.296720871078862	0.00636597003041005	0.494708603615709
UCEC	PRKCD	cg02630105	-0.0134018135712001	554	-0.177305252622979	0.859473675476579	0.000179608606997202	0.925319273951536
UCEC	PRKCD	cg10531918	-0.269468048848934	439	-3.65910471341972	0.000336880151769089	0.0726130293504513	0.00269289503973741
UCEC	PRKCD	cg13469346	-0.0202645376499208	439	-0.265047641952951	0.791291989290322	0.000410651486165059	0.885443040533514
UCEC	PRKCD	cg13889007	-0.204987399235304	439	-2.73871576516136	0.00682154294711429	0.042019833845254	0.0317446379151648
UCEC	PRKCD	cg13908523	-0.0784321193031289	554	-1.0407655359311	0.299420115948964	0.00615159733838025	0.497730325615318
UCEC	PRKCD	cg14727059	-0.0111274004764323	439	-0.145518651812096	0.884472778417394	0.000123819041362905	0.938737947313024
UCEC	PRKCD	cg21903826	0.108369130301943	439	1.42550545781879	0.155833957807959	0.0117438684023996	0.324013013863755
UCEC	PRMT1	cg07702240	0.129585111687695	439	1.70895460732868	0.0892736068794472	0.0167923011711123	0.219561536896706
UCEC	PRMT1	cg08377944	0.0654813081946568	439	0.858120917843645	0.392026875291748	0.00428780172288362	0.589104206514805
UCEC	PRMT1	cg11787855	-0.0194965733314033	439	-0.254999247991644	0.799030107041178	0.000380116371666785	0.890253276914179
UCEC	PRMT1	cg14258555	0.145966139745614	439	1.92941984121596	0.0553342318034773	0.0213061139522362	0.155285567941983
UCEC	PRMT1	cg14576628	-0.108988336822662	554	-1.45042028756571	0.148731329749463	0.01187845756337	0.313918418430998
UCEC	PRMT1	cg18880319	-0.217608978848285	439	-2.91547294962422	0.00402754684887083	0.0473536676753934	0.0208551541316671
UCEC	PRMT1	cg22292364	0.103121439128097	439	1.35571542232682	0.176977482928517	0.0106340312078498	0.353128816736971
UCEC	PRMT1	cg24228123	-0.00572080645865366	439	-0.0748104758811524	0.940452951390355	3.27276265373734e-05	0.968318554824381
UCEC	PRMT1	cg25595446	-0.221235986959269	554	-3.00104192434481	0.00308380815771431	0.0489453619258417	0.0168293070376168
UCEC	PRMT1	cg26846726	0.129332514954942	439	1.70556666346856	0.0899045319250595	0.0167268994245703	0.220631960775334
UCEC	PRMT2	cg04493422	0.0390552870095339	439	0.511104094095059	0.609937438778592	0.00152531544339706	0.767281788980479
UCEC	PRMT2	cg06725035	0.0729564698042107	550	0.95937173619765	0.338718154614418	0.00532264648629271	0.538067469575962
UCEC	PRMT2	cg09031657	-0.141257366764049	439	-1.86588920509687	0.0637695543920963	0.0199536436651131	0.172097714368235
UCEC	PRMT2	cg10187059	-0.294076224351163	439	-4.02345487929187	8.59683478406986e-05	0.0864808257286357	0.000844528558141092
UCEC	PRMT2	cg10657630	-0.127089279024138	439	-1.67549408136453	0.0956649238772188	0.0161516848428753	0.230693028149546
UCEC	PRMT2	cg12162201	-0.157680643795109	439	-2.08806331455261	0.0382739083253447	0.0248631854276399	0.118478390205796
UCEC	PRMT2	cg13271076	0.101677988193987	554	1.352080609562022	0.178094282026079	0.0103384132831765	0.354674924504949
UCEC	PRMT2	cg17243659	0.0169467202904825	439	0.22163895218996	0.824859416047368	0.000287191328603852	0.905921158386471
UCEC	PRMT2	cg23283320	-0.307893998909215	439	-4.23181524188748	3.77371540087598e-05	0.0947987145643076	0.000416049100119114
UCEC	PRMT3	cg01769160	0.174214293093342	439	2.31352648785709	0.0218838293292382	0.0303506199180129	0.0779548871526099
UCEC	PRMT3	cg04101203	0.0562523523575851	439	0.736761558697495	0.462276970307011	0.00316432714576191	0.651740238642665
UCEC	PRMT3	cg06578097	-0.23024115547565	437	-3.07576987406105	0.00244943314884395	0.0530109896747625	0.013995681408826
UCEC	PRMT3	cg13432154	-0.017669604068889	439	-0.231096134171409	0.817516394129143	0.0003122149079513	0.901906214650616
UCEC	PRMT3	cg13982511	0.203098599229925	439	2.71238964429762	0.0073628963641606	0.0412490410091577	0.0336934799855006
UCEC	PRMT3	cg19653624	-0.0679438520007785	439	-0.89053905945187	0.374427734675158	0.0046163670247037	0.573112665205827
UCEC	PRMT3	cg23019633	-0.0280362657329081	439	-0.366765920499769	0.714247068432962	0.000786032196246237	0.837402023144
UCEC	PRMT3	cg23071995	0.1876307165753	439	2.49795456424746	0.0134359201260737	0.0352052858025606	0.0536650392918714
UCEC	PRMT6	cg00944433	-0.0584576708757161	439	-0.7657427452343	0.44488504932467	0.00341729928421354	0.636829138169972

UCEC	PRMT6	cg02990361	-0.286258759898766	43%	-3.90680983592784	0.000134503869364723	0.0819440776187794	0.0012406442984775
UCEC	PRMT6	cg02993280	-0.299867443879893	43%	-4.11043422600912	6.11883093241844e-05	0.0899204838990609	0.000633663915810117
UCEC	PRMT6	cg09367891	-0.252287770258902	43%	-3.40937633185734	0.000812192600896953	0.0636491190222086	0.00563938871779522
UCEC	PRMT6	cg14671364	-0.266570652869535	43%	-3.61673374722988	0.000392405842334715	0.07105991297129	0.00305670356370216
UCEC	PRMT6	cg14828511	-0.312282875482409	43%	-4.29860534886766	2.88000948831574e-05	0.0975205943195618	0.000328949431998289
UCEC	PRMT6	cg22528358	0.0527960954010269	43%	0.691362767663112	0.490275131830797	0.00278742768959433	0.676153446419745
UCEC	PRMT7	cg00894222	-0.324255046781976	43%	-4.48236868806222	1.34798803630959e-05	0.105141335363581	0.000169822479832661
UCEC	PRMT7	cg02477175	-0.2242358838002	43%	-3.00888626511094	0.00301854273652661	0.0502817315836567	0.0165466781465677
UCEC	PRMT7	cg06089844	-0.325083699019868	43%	-4.49517530787992	1.27744691256639e-05	0.10567941136844	0.000162116974088402
UCEC	PRMT7	cg06092312	0.141015755402051	43%	1.86263291709625	0.064229321222918	0.019885443271611	0.173044357236907
UCEC	PRMT7	cg06745885	-0.340051449497186	43%	-4.72853828310269	4.70769136250451e-06	0.115634988305138	6.75327571186937e-05
UCEC	PRMT7	cg09175928	-0.240057342993016	43%	-3.23371509887642	0.00146656051649532	0.0576275279248665	0.00922681834373125
UCEC	PRMT7	cg09779635	-0.176707636181309	43%	-2.34769698934246	0.0200340850796535	0.031225588684786	0.0729171710810596
UCEC	PRMT7	cg10233539	0.214775434518434	43%	2.87566122918343	0.00454481395762583	0.046128487272582	0.0229648445311417
UCEC	PRMT7	cg10446007	-0.199250473678097	43%	-2.65885175108253	0.00858537148236781	0.0397007512609462	0.0379246146782875
UCEC	PRMT7	cg11893236	-0.173285307703517	55%	-2.32756127021886	0.0210796754057656	0.0300277978659025	0.0758357504863174
UCEC	PRMT7	cg19328639	0.0420628382550226	43%	0.55053022101184	0.5826742259915	0.0017692823620682	0.747798580189764
UCEC	PRMT7	cg21918026	-0.0291788695376625	55%	-0.386164588185392	0.699843858211944	0.000851406427495926	0.828002571833071
UCEC	PRMT7	cg26492318	-0.197417357165639	43%	-2.63339333905068	0.00922855626383335	0.0389736129102656	0.0400785075637052
UCEC	PRMT7	cg26561196	0.221962556145974	43%	2.97679257959003	0.00333549686530588	0.0492673763308549	0.0179270096087893
UCEC	PRMT7	cg26796563	0.00258940941105678	43%	0.0338610353587561	0.973027456965036	6.7050410980694e-06	0.985813609261419
UCEC	PRMT8	cg01693063	0.0336291170645031	43%	0.440006644528871	0.660487927717244	0.00113091751453805	0.802511786121744
UCEC	PRMT8	cg06029846	-0.00093242176327704	43%	-0.0121930020170101	0.990285846686626	8.69410344632664e-07	0.994732410190131
UCEC	PRMT8	cg07912789	-0.0928176193060275	43%	-1.21901018024465	0.224519242219159	0.00861511045363864	0.413735311948011
UCEC	PRMT8	cg10350722	-0.0988397110766673	43%	-1.2988569621128	0.195741721032776	0.00976928848571908	0.377601394748525
UCEC	PRMT8	cg11596580	-0.045556963001619	43%	-0.596353762419708	0.551727550619496	0.00207543687793088	0.724036558602274
UCEC	PRMT8	cg19656577	0.0177448448388988	43%	0.232080497839171	0.816753001204654	0.000314879518356592	0.901446874877135
UCEC	PRMT8	cg21667836	0.107101802053631	55%	1.42502029784125	0.155932350308489	0.0114707960031351	0.324148284741967
UCEC	PRMT8	cg23739862	-0.113433187325036	55%	-1.51032824294705	0.132763189298398	0.0128670879867166	0.290329441397638
UCEC	PRMT8	cg24100636	0.0425995451744554	43%	0.557567481879391	0.577868923372412	0.00181472124907046	0.744308338435601
UCEC	PRMT8	cg27316886	0.0262942006036529	43%	0.343960214720839	0.731298790122105	0.000691384985385139	0.848164861405278
UCEC	PWWP2E	cg00259755	-0.0119872623697479	55%	-0.158587973742359	0.87417636517449	0.000143694465594296	0.93337463838024
UCEC	PWWP2E	cg05010219	-0.119087850064947	43%	-1.56843714741828	0.118627750313107	0.0141819160330913	0.26864599463955
UCEC	PWWP2E	cg15012692	-0.123531995114301	43%	-1.62785888794695	0.105395910619585	0.0152601538169197	0.247308068923265
UCEC	PWWP2E	cg15278699	-0.177152703164736	43%	-2.35380138083077	0.0197185375295763	0.031383080238573	0.0720450830629279
UCEC	PWWP2E	cg17803807	-0.306780311243449	11%	-0.455832982258773	0.693219688756551	0.0941141593666275	0.823924533132585
UCEC	PWWP2E	cg19919881	0.0968839367870865	43%	1.27291003748975	0.204777843944584	0.00938649720736418	0.388908930028441
UCEC	PWWP2E	cg22633292	-0.21450334400625	43%	-2.87184234274489	0.00459749574667373	0.0460116845898634	0.023182368687888
UCEC	PWWP2E	cg22664157	-0.198959846516608	43%	-2.65481357632176	0.00868461675291845	0.0395850205259122	0.0382435795129932
UCEC	PWWP2E	cg24520806	-0.226080273198802	43%	-3.0349623906201	0.00278168632759801	0.0511122899296448	0.0154989468761018
UCEC	PYGO1	cg06364757	-0.31782900462347	43%	-4.38344363996426	2.03424012058319e-05	0.101015276179946	0.000243090132013286
UCEC	PYGO1	cg09275667	-0.21047817384597	43%	-2.81542894022386	0.00544350735624988	0.0443010616655345	0.0265489496014902
UCEC	PYGO1	cg11480800	-0.227718921555722	43%	-3.05815857928243	0.00258550629948037	0.051855907234501	0.0146215749737877
UCEC	PYGO1	cg12686317	-0.101503104273874	43%	-1.33421625210511	0.183907062927886	0.0103028801772329	0.362235822701335
UCEC	PYGO1	cg13878116	0.00873085911000737	43%	0.114175149401355	0.909232896113695	7.62279007987987e-05	0.951780144763539
UCEC	PYGO1	cg17841803	-0.230249277158669	43%	-3.094031411300981	0.00230710831079495	0.0530147296320895	0.0133471543043045
UCEC	PYGO1	cg19850348	-0.132202799519687	55%	-1.76436503082762	0.0794151766900157	0.0174775802008425	0.201942413474425
UCEC	PYGO1	cg22510134	0.0712270042877937	43%	0.933785633975994	0.351731155390357	0.00507328613981338	0.55066559674859
UCEC	PYGO1	cg23030278	-0.231843708833584	43%	-3.11666963684463	0.00214595967746326	0.0537515053257119	0.0125700464685323
UCEC	PYGO1	cg23412777	-0.00847940946131575	55%	-0.112176076320667	0.910812363552154	7.1900384812651e-05	0.952746161049252
UCEC	PYGO1	cg25902187	-0.141218857479947	43%	-1.86537017808897	0.0638426534149223	0.0199427657079415	0.172250129767617
UCEC	PYGO2	cg01277844	0.0682037548820678	55%	0.904356743074532	0.36704954695285	0.00465175218001319	0.565946257098546
UCEC	PYGO2	cg02341811	-0.186459144333263	43%	-2.4817936223838	0.0140380525316767	0.0347670125054927	0.0554663141169818
UCEC	PYGO2	cg04602755	-0.154305432952086	43%	-2.0422651783448	0.0426609575619743	0.0238101666385306	0.128350796015633
UCEC	PYGO2	cg10892866	-0.0590532788451444	55%	-0.782567160549135	0.434938981351476	0.00348728974236238	0.628308012984786
UCEC	PYGO2	cg14024356	0.0917670199354358	43%	1.2050943885443	0.229831938846301	0.00842118594783067	0.419914649254542
UCEC	PYGO2	cg18188585	0.0421158664291918	43%	0.55122550109787	0.582198626475942	0.00177374620508153	0.747437416471217

UCEC	PYGO2	cg24683561	-0.194616992494024	439	-2.5945571241873	0.0102934912402203	0.0378757737674189	0.043588909560813
UCEC	PYGO2	cg27105205	-0.0904593941155416	439	-1.18777979774734	0.23656737032675	0.00818290198375089	0.427929172840979
UCEC	RBBP4	cg05797186	-0.189205918238774	439	-2.51970069635499	0.0126620594070777	0.0357988794965778	0.0512919723774396
UCEC	RBBP4	cg06526778	0.102534850631011	439	1.34792149424098	0.179466579795268	0.0105133955939237	0.35634372244566
UCEC	RBBP4	cg09036220	0.171040143792165	439	2.27009204492559	0.0244502809303489	0.0292547307884445	0.0847745962986709
UCEC	RBBP4	cg11229946	-0.23243212556067	439	-3.12503084957471	0.00208912115444193	0.054024692992651	0.0123159359721624
UCEC	RBBP4	cg13641837	-0.0294780934694679	439	-0.385643681940402	0.7002399023678	0.000868957994594689	0.828282188371254
UCEC	RBBP4	cg16148416	0.174541757573607	439	2.31801165386253	0.0216327836081704	0.0304648251368837	0.0773178704407797
UCEC	RBBP4	cg16396527	-0.181568080972756	439	-2.41444270587636	0.0168140610019135	0.0329669680281294	0.0636977385723331
UCEC	RBBP4	cg18758482	-0.0233179369159138	554	-0.308551205923117	0.758029933334462	0.000543726182014533	0.865069850723152
UCEC	RBBP4	cg20740619	-0.0307275388301202	439	-0.402004537103212	0.688182702696308	0.000944181642556545	0.820797013009684
UCEC	RBBP4	cg22358606	0.196826654090362	439	2.6251957648303	0.00944470971488925	0.0387407317604071	0.0407397697565897
UCEC	RBBP4	cg22857567	0.160745379560285	439	2.12971358625849	0.0346259100575289	0.02583907704998	0.1099554268518
UCEC	RBBP4	cg23016766	0.181216928768521	439	2.40961446898247	0.0170305866373212	0.032839575272295	0.0643300537442953
UCEC	RBBP4	cg26131911	0.0489609594849122	554	0.648470328710052	0.517530792209558	0.00239717555368321	0.698402179630342
UCEC	RBBP5	cg00960017	-0.0454861190548133	439	-0.595424470568614	0.552346964990862	0.00206898702666865	0.724632867794852
UCEC	RBBP5	cg02189925	0.00748545688243083	439	0.0978877927562285	0.922136037427927	5.60320647387311e-05	0.959135893675453
UCEC	RBBP5	cg03143531	-0.277323887151286	439	-3.77453074474599	0.000220837788572521	0.0769085383846995	0.00188623791438413
UCEC	RBBP5	cg05290904	0.0691651973884732	554	0.91716596884247	0.36031791902373	0.00478382452978647	0.559223397166903
UCEC	RBBP5	cg07601985	0.160303635742006	439	2.12370634545606	0.0351328346113538	0.0256972556321059	0.11116585600568
UCEC	RBBP5	cg07972983	0.202719870410124	439	2.70711472931098	0.00747593272196427	0.0410953458590975	0.0340864324330376
UCEC	RBBP5	cg14717946	-0.039445919227447	554	-0.522226908182012	0.602172772780897	0.00155598054369827	0.761612252205131
UCEC	RBBP5	cg18131828	-0.0774186117563254	439	-1.01542734214622	0.311336733402471	0.00599364144627664	0.510197697047293
UCEC	RBBP5	cg21214746	0.00482057952443696	439	0.0630379894312093	0.949809878226725	2.32379869514209e-05	0.973395903868709
UCEC	RBBP5	cg23227967	-0.0273962335683411	439	-0.358386760158841	0.720495947139663	0.0007505536137311	0.841528990213309
UCEC	RBBP5	cg24103461	0.0550198491661412	439	0.72056936181206	0.47215838411149	0.00302718380226493	0.660251102487224
UCEC	RBBP5	cg26795850	0.023768759246931	439	0.310904694532072	0.756251735695664	0.000564953916138569	0.864055107593889
UCEC	RBBP7	cg01947226	-0.0123904907137248	439	-0.162039129592196	0.871466347808599	0.0001535242601269	0.931798357016124
UCEC	RBBP7	cg03048084	0.023777691109601	439	0.311021592878836	0.756163020307767	0.0005653785945036	0.863980054663549
UCEC	RBBP7	cg03171708	0.059182612039026	439	0.775271992948698	0.439249744020969	0.00350258156776187	0.631994753275014
UCEC	RBBP7	cg03811055	0.0336480995073324	439	0.440255294100812	0.660308203721678	0.00113219460045534	0.802379376324254
UCEC	RBBP7	cg07096248	0.0490537524066037	439	0.642234208669158	0.52158119686084	0.00240627062516838	0.701531624485074
UCEC	RBBP7	cg08363715	0.030653358544689	439	0.401033131867186	0.688896392534868	0.000939628390069256	0.821151757574765
UCEC	RBBP7	cg14719055	-0.212886540339517	548	-2.88229528169822	0.00444268573043089	0.0453206790577287	0.0225670449698427
UCEC	RBBP7	cg15289846	0.103653040650056	439	1.36277998005738	0.174743819007643	0.0107439528360022	0.350163615949338
UCEC	RBBP7	cg15464143	-0.077370340969197	439	-1.01479040549022	0.311639431540614	0.00598616966168981	0.510489944142481
UCEC	RBBP7	cg16978043	0.0344503178289232	439	0.450763930195259	0.652730740229128	0.00118682439851383	0.797147505072823
UCEC	RBBP7	cg17878446	0.0274922891141665	439	0.359644269855247	0.719556927219626	0.00075582596073692	0.840891438073636
UCEC	RBBP7	cg17880859	0.0198772517794493	548	0.263003286887345	0.792857432005617	0.000395105138303619	0.886436517792237
UCEC	RBBP7	cg21122900	-0.0230572982122791	439	-0.301593478541146	0.763328434439699	0.000531639000849969	0.868429959911697
UCEC	RING1	cg01241018	-0.244019034038066	439	-3.2904312086412	0.00121492923584424	0.0595452889728709	0.00789922314862237
UCEC	RING1	cg01878788	-0.161034777789459	439	-2.13364980292926	0.0342971786396327	0.0259321996577005	0.109111958250177
UCEC	RING1	cg02475416	-0.0844323453101042	439	-1.10805280144192	0.269395104513725	0.00712882093456468	0.465353213197136
UCEC	RING1	cg03037740	-0.118056174448121	439	-1.55465664325441	0.121876694523145	0.0139372603253252	0.273621989949311
UCEC	RING1	cg06316695	-0.147787032971331	439	-1.95402294609392	0.0523296934574614	0.0218410071144694	0.149162251679238
UCEC	RING1	cg06671577	-0.0742123376542262	439	-0.973135698813839	0.331860413709085	0.00550747106010488	0.531596847196904
UCEC	RING1	cg07946923	-0.150367857200714	439	-1.98892876981494	0.048303972205676	0.0226104924791344	0.140624175352457
UCEC	RING1	cg08892712	0.0278886609330572	439	0.36483347124795	0.715686524232063	0.000777777408639028	0.83837086257182
UCEC	RING1	cg09478665	-0.151472629991626	439	-2.00388356698434	0.0466612800928698	0.0229439576365802	0.137181800519433
UCEC	RING1	cg09724776	-0.0700161513727639	439	-0.917832476099509	0.359999310468267	0.00490226145305378	0.558875024616719
UCEC	RING1	cg09832551	-0.233219287529154	439	-3.13622184243407	0.00201522478377403	0.054391236075606	0.011971732268776
UCEC	RING1	cg09869033	-0.14936128667473	439	-1.97530992990538	0.0498422957844401	0.0223087939571309	0.143955134889725
UCEC	RING1	cg10265934	-0.0635887915359408	439	-0.83321762717184	0.40588428581466	0.00404353440900134	0.602226967455622
UCEC	RING1	cg12065531	0.0315885052805555	439	0.413279550472803	0.679919601258605	0.000997833665859684	0.815329309433833
UCEC	RING1	cg12115664	-0.188167334210457	439	-2.5053604784907	0.0131677623344049	0.0354069456638697	0.0528435854032859
UCEC	RING1	cg12256228	-0.0636326603109104	554	-0.843490399400365	0.400105700135082	0.00404911545824371	0.596691642441311
UCEC	RING1	cg14046664	-0.169900420812335	439	-2.2545141441794	0.0254328693575394	0.0288661529922085	0.0873217073240079

UCEC	RING1	cg14363494	-0.0613137531127427	554	-0.812633649586173	0.417532247483214	0.00375937632077036	0.612976316689224
UCEC	RING1	cg18189601	-0.273928964382359	553	-3.75707978364849	0.000234331142831735	0.0750370775275916	0.0019819044276421
UCEC	RING1	cg20505183	-0.0222615259544081	439	-0.291179385524355	0.77126701545388	0.000495575537818787	0.873234553925471
UCEC	RING1	cg24536938	-0.160291399918942	439	-2.12353997008263	0.0351469647684111	0.0256933328879741	0.111196997730439
UCEC	RING1	cg24550302	-0.229921718587701	439	-3.08938390300789	0.00234154481157045	0.0528639966783218	0.0135062013102478
UCEC	RNF17	cg00202166	-0.85634547624166	433	-21.6849291568195	5.9207719188487e-51	0.733327574679555	3.59844164574153e-48
UCEC	RNF17	cg01405147	-0.117130435516051	433	-1.54229552517219	0.12485033730272	0.0137195389241797	0.278162704130591
UCEC	RNF17	cg07131398	-0.477431131610343	415	-6.85147230977199	1.51767831157912e-10	0.227940485430733	5.84486468173197e-09
UCEC	RNF17	cg12020676	-0.370435611482338	433	-5.21508499534558	5.25861906040873e-07	0.13722542254294	9.66199837471509e-06
UCEC	RNF17	cg14855529	-0.259214329283353	433	-3.50962686379305	0.000573665943718321	0.0671920685058188	0.00421180499585968
UCEC	RNF17	cg15523998	-0.500469335392984	433	-7.55928795245869	2.35883231601765e-12	0.250469555668695	1.26553793925709e-10
UCEC	RNF17	cg17806989	-0.914522049157506	549	-29.9058374064682	1.0855358509339e-70	0.836350578395243	1.26042053712763e-67
UCEC	RNF17	cg20477497	-0.363378535626885	433	-5.10044960424618	8.92939390540565e-07	0.132043960154339	1.54849146116167e-05
UCEC	RNF17	cg21831927	-0.293548517718255	433	-4.01555348879929	8.86418664578046e-05	0.0861707322545849	0.000867396900530622
UCEC	RNF17	cg23678722	-0.288521401432491	433	-3.94048201455139	0.000118317506653887	0.0832445990845684	0.00111352433010313
UCEC	RNF17	cg24753530	-0.433245569754778	433	-6.28600062419236	2.62112624610371e-09	0.187701723712142	8.01747681787614e-08
UCEC	RNF20	cg04845236	0.136728659265099	439	1.80490997032757	0.0728481261687218	0.0186947262644315	0.189822379071162
UCEC	RNF20	cg14625770	-0.25626249196026	439	-3.46683411398091	0.000666062116884574	0.0656704647856822	0.00478224608407186
UCEC	RNF20	cg21219529	0.123455072196798	439	1.62682953277527	0.10561462671562	0.0152411548511166	0.24766938779511
UCEC	RNF217	cg00991794	-0.217301302597855	439	-2.91114632995532	0.00408102866851936	0.0472198561107247	0.0210823789254795
UCEC	RNF217	cg02312409	-0.223460854262199	439	-2.99793901421827	0.00312340166534833	0.0499347533875918	0.0170107749337796
UCEC	RNF217	cg03113502	-0.214089371792623	439	-2.86603344046169	0.00467870032337119	0.0458342591145599	0.0235217017549656
UCEC	RNF217	cg06993703	-0.266222411413478	439	-3.61164826779238	0.000399622154415649	0.0708743723388072	0.00310199619642896
UCEC	RNF217	cg07439975	-0.0506365287374505	439	-0.66300907729317	0.508217472615966	0.00256405804257865	0.690790982590599
UCEC	RNF217	cg10621825	-0.146339589343534	439	-1.93446408485587	0.0547066765871497	0.0214152754092341	0.15408027219944
UCEC	RNF217	cg16203203	-0.366057400423758	439	-5.14384417750995	7.31437269827164e-07	0.133998020404999	1.29350831936655e-05
UCEC	RNF217	cg17382198	-0.243917805034881	439	-3.28897983551226	0.0012208329272149	0.0594958956130343	0.00793097926845558
UCEC	RNF217	cg18192252	-0.283689849803649	439	-3.8686608617125	0.000155378273375461	0.0804799308816167	0.00140354501527656
UCEC	RNF217	cg19171596	-0.206099277913613	439	-2.75422805765738	0.00651970942188657	0.0424769123565127	0.0306276735969954
UCEC	RNF217	cg19478500	-0.321514167263551	439	-4.44009094975588	1.60846467133272e-05	0.103371359751174	0.000197863536751515
UCEC	RNF217	cg20034100	0.27735992269079	554	3.81895962649672	0.000185868898568034	0.0769285267150408	0.00163154544722073
UCEC	RNF217	cg23521835	-0.184952260984123	439	-2.46102343633587	0.014847139199524	0.0342073388431393	0.0578985586689944
UCEC	RNF217	cg24822696	-0.0709142523812136	439	-0.929664688967376	0.353855236628477	0.00502883119078646	0.55287837473942
UCEC	RPA3	cg26322315	-0.850003641128701	115	-2.28196581376674	0.149996358871299	0.72250618993205	0.315625622355721
UCEC	RPH3A	cg00851732	-0.112830750305886	439	-1.48493598675773	0.13940189150741	0.0127307782145892	0.300380321522517
UCEC	RPH3A	cg00854817	-0.122673203722386	439	-1.61636853262069	0.107858027357885	0.0150487149115139	0.251463308009498
UCEC	RPH3A	cg01119407	-0.0856225231069521	439	-1.12378671616596	0.262678668629048	0.00733121646320054	0.458124106578447
UCEC	RPH3A	cg01573562	-0.0800685250693313	554	-1.0626187103784	0.28941906106943	0.00641096870677814	0.486918784127039
UCEC	RPH3A	cg05967001	-0.0642938195615984	439	-0.842493896227959	0.400688364304486	0.00413369523381937	0.59722856729261
UCEC	RPH3A	cg08254200	-0.12855723865399	439	-1.69515009597076	0.0918670829105467	0.0165265741385567	0.224140123818193
UCEC	RPH3A	cg09384610	-0.0731017636915783	439	-0.958494065017863	0.339166907355836	0.00534386785481936	0.538439491272777
UCEC	RPH3A	cg11596863	-0.045695377552453	439	-0.598169434245771	0.550518318865823	0.00208806752966122	0.72309963526513
UCEC	RPH3A	cg16403344	-0.0161631011071786	439	-0.211387586888462	0.832836560695667	0.000261245837400879	0.910338303561264
UCEC	RPH3A	cg17453780	-0.0451416126907987	439	-0.590905554017941	0.555363922952387	0.00203776519632608	0.726803854267063
UCEC	RPH3A	cg18629535	-0.0151774008726505	439	-0.198493132998877	0.842895048098833	0.000230353497249133	0.91604282322093
UCEC	RPH3A	cg19712198	-0.0201072778960472	439	-0.262989946273059	0.792874928883169	0.00040430262438887	0.886436517792237
UCEC	RPH3A	cg20704159	-0.116200921026396	439	-1.52988809440498	0.127892216198845	0.0135026540473827	0.282845100692503
UCEC	RPH3A	cg21900624	-0.0966134562467955	439	-1.26932279695096	0.206050813483323	0.00933415992795146	0.390478112204859
UCEC	RPH3A	cg23199238	0.0039571510449798	437	0.051443366363293	0.959032982681863	1.56590443927847e-05	0.978529613540119
UCEC	RPH3A	cg23549179	0.056451295269494	439	0.739375516008483	0.460692766624811	0.0031867487376036	0.650409243866171
UCEC	RPH3A	cg23596620	0.00449288998701787	439	0.0587527532498765	0.953217643132908	2.01860604354455e-05	0.975269459194863
UCEC	RTF1	cg04910470	-0.111291996073316	439	-1.46442909227825	0.144912756334791	0.0123859083899829	0.308520606631328
UCEC	RTF1	cg07091958	-0.021054499320151	554	-0.278586600342548	0.780891009292739	0.000443291941622239	0.878962803150148
UCEC	RTF1	cg07129439	0.174629802166574	439	2.31921770498652	0.0215657108924714	0.0304955678047367	0.077134290728755
UCEC	RTF1	cg15581235	0.0488820821806439	439	0.639981230541933	0.523041342469876	0.00238945795831522	0.702578999627156
UCEC	RTF1	cg18782716	0.136523536182381	439	1.80215074109861	0.0732829523321851	0.018638675931742	0.190668026546154
UCEC	RTF1	cg22263512	0.132042160656321	439	1.74192744449551	0.0833192363519585	0.0174351321907898	0.208906329092863

UCEC	RTF1	cg24280607	0.0451909919787357	439	0.591553252938777	0.554931002557482	0.00204222575602216	0.726534534521521
UCEC	RTF1	cg27576415	0.133681479981474	439	1.7639447365016	0.079526985869363	0.0178707380900372	0.20216725503958
UCEC	SATB1	cg01069104	-0.06628311586949	439	-0.868674551504522	0.38624271584662	0.00439345144936824	0.584249466965563
UCEC	SATB1	cg01373248	0.599146582995914	439	9.78575210258719	3.09467773914314e-18	0.35897662791568	3.49923488428636e-16
UCEC	SATB1	cg04004754	0.0321631919975984	439	0.420806022973218	0.674425116894134	0.00103447091947438	0.811724790207874
UCEC	SATB1	cg14415616	-0.357290605467016	439	-5.00237110053321	1.39582074090709e-06	0.127656576754987	2.29534004521862e-05
UCEC	SATB1	cg19818826	-0.171406488343537	439	-2.27510128619002	0.0241414499162866	0.0293801842462632	0.0839544011974788
UCEC	SATB1	cg26131754	-0.173089720137417	439	-2.29812962332993	0.022765190246529	0.0299600512172494	0.0802953939988427
UCEC	SATB1	cg26768584	0.463822990897614	439	6.84623734853982	1.3027237449308e-10	0.215131766885208	5.09266789010787e-09
UCEC	SCML2	cg00457389	-0.155397561677618	439	-2.05707613829829	0.0411974724068971	0.024148402175349	0.125054832250046
UCEC	SCML2	cg04189389	0.0421971475768253	439	0.552291229734981	0.581469980516581	0.00178059926362037	0.746891039390655
UCEC	SCML2	cg05049545	-0.313754122542756	439	-4.32106277775749	2.62803471855207e-05	0.0984416494125745	0.000303736937891902
UCEC	SCML2	cg06131666	-0.182030361497927	439	-2.42080038031923	0.0165326667955027	0.0331350525070658	0.0628797438490924
UCEC	SCML2	cg08300622	-0.281474568078905	548	-3.88045023051987	0.000147484453645706	0.0792279324752059	0.00134271214704932
UCEC	SCML2	cg17710066	-0.0980169487605233	439	-1.28793968049458	0.199507123252188	0.00960732224432305	0.382289316508239
UCEC	SCML2	cg17727916	-0.328096486777323	439	-4.54183513200697	1.04929022448554e-05	0.107647304635622	0.00013673112851529
UCEC	SCML2	cg22823767	-0.31567822573446	439	-4.35048483456295	2.32976452734448e-05	0.0996527422028569	0.000273696317789545
UCEC	SCML2	cg26246138	-0.266480050214502	548	-3.65745157144264	0.000336797816025638	0.0710116171623236	0.00269251354433239
UCEC	SCML4	cg00977377	0.0251697318801436	439	0.329241259331729	0.742376249294353	0.000633515402918317	0.855109981604503
UCEC	SCML4	cg03500965	-0.0824924578198579	439	-1.06647585223653	0.287757209966178	0.00680500559716103	0.485259572080199
UCEC	SCML4	cg05603896	-0.0620040772402102	439	-0.812371607699206	0.41770792907517	0.00384450559400995	0.613104859049334
UCEC	SCML4	cg08792995	-0.0737330261068291	439	-0.966816086885543	0.335001358718593	0.00543655913887034	0.534564647607365
UCEC	SCML4	cg17388996	0.0252960085539827	439	0.330894119422739	0.741129573933978	0.000639888048763168	0.854392899923449
UCEC	SCML4	cg23503775	-0.0288009044263982	439	-0.376776994820226	0.706806465340805	0.000829492095778526	0.832807799659557
UCEC	SCML4	cg27353361	0.0257344537666047	439	0.336633138155498	0.736806238815197	0.000662262110665517	0.851568927980827
UCEC	SCML4	cg27659622	0.0221822040809386	439	0.290141348635574	0.772059644215561	0.000492050177888408	0.873597974780448
UCEC	SETD1A	cg26692825	-0.172791876265508	439	-2.29405330873198	0.0230036776039055	0.0298570325033546	0.0809228123809731
UCEC	SETD6	cg01152986	-0.16226218913291	439	-2.14405379652731	0.0334495686700564	0.0263290180222042	0.10703256602165
UCEC	SETD6	cg01472538	-0.190001420184761	439	-2.5306904941622	0.0122863217379566	0.0361005396722261	0.0500891999414418
UCEC	SETD6	cg01773760	-0.0854630022517719	439	-1.12167760233661	0.263572167908423	0.00730392475388637	0.459007658439384
UCEC	SETD6	cg02549819	-0.21695061079636	439	-2.89770575808191	0.00425432867700059	0.0470675675249138	0.021818263899966
UCEC	SETD6	cg05502081	-0.125228004604188	439	-1.65056189202867	0.100663545098633	0.0156820531371466	0.239356292673626
UCEC	SETD6	cg09132913	-0.148480305159335	439	-1.9633954580522	0.0512218939069927	0.0220464010202091	0.146827665521964
UCEC	SETD6	cg19824325	-0.212959793731325	554	-2.88333417544469	0.00442873079214392	0.0453518737460883	0.0225183606743651
UCEC	SETD6	cg26666090	-0.16363079300625	439	-2.16898460856669	0.0314647797376925	0.0267750364198543	0.102301628909351
UCEC	SETD7	cg05316864	0.129137887828746	439	1.702956465065	0.0903930855558118	0.0166765940728699	0.221474589705169
UCEC	SETDB1	cg02060408	-0.402441797589682	439	-5.74868624268165	4.04687450967978e-08	0.161959400447214	9.69281267259941e-07
UCEC	SETDB1	cg08531528	0.123899387043051	439	1.63277560768887	0.104356209397398	0.0153510581096437	0.245584504155283
UCEC	SETDB1	cg10589385	-0.17703359230589	439	-2.35216754977463	0.01980256133605	0.0313408928047281	0.0722564288825554
UCEC	SETDB1	cg10961700	-0.357688163729076	439	-5.00875334934831	1.35607118232714e-06	0.127940822471878	2.23789142040639e-05
UCEC	SETDB1	cg12082615	0.119277675267869	554	1.58924102362495	0.1138109776777091	0.0142271638173072	0.261058858835666
UCEC	SETDB1	cg15448220	-0.205360640357716	439	-2.74392177313273	0.0067188622332529	0.0421729926081312	0.0313568401567986
UCEC	SETDB1	cg16370685	-0.387557279567223	439	-5.4976331348425	1.37980289635487e-07	0.150200644945547	2.90816544348499e-06
UCEC	SETDB1	cg17899625	0.0855448376533841	439	1.12275958277703	0.26311353675008	0.00731791924914385	0.458496393117301
UCEC	SETDB1	cg17918089	0.142107190964787	554	1.89917564571812	0.0591865805560752	0.0201944537239024	0.163043939368956
UCEC	SETDB1	cg19689029	-0.290377767116081	439	-3.96816181709608	0.000106416911343554	0.084319247635321	0.00101615284166693
UCEC	SETDB1	cg26820223	-0.182693104547367	439	-2.42991788309438	0.0161364042713422	0.0333767704491552	0.0617135555717416
UCEC	SETMAR	cg00300090	-0.0193683809288624	439	-0.253321964827435	0.800323721651404	0.000375134179805521	0.890910417293649
UCEC	SETMAR	cg02520519	-0.0275021047465936	439	-0.359772771616617	0.7194609951396	0.000756365765492607	0.84084113845999
UCEC	SETMAR	cg06021447	0.0023843559735131	439	0.0311795888324123	0.975162679531636	5.68515340842762e-06	0.986918142695769
UCEC	SETMAR	cg06267913	-0.0128373721855296	439	-0.167884258247468	0.866872723962587	0.000164798124629809	0.929245938612351
UCEC	SETMAR	cg14751177	0.073992679953617	439	0.970239478912256	0.33329748907842	0.0054749166867184	0.53294881733097
UCEC	SETMAR	cg14961031	-0.289618606281531	439	-3.95683627332131	0.000111141540121274	0.0838789371044567	0.00105556647200518
UCEC	SETMAR	cg15232450	-0.115525466990669	554	-1.53855967660778	0.125717987233966	0.0133461335234122	0.279506612890319
UCEC	SETMAR	cg15384599	-0.140183006082618	554	-1.87294100947361	0.0627442246847989	0.0196512751943593	0.170120584668108
UCEC	SETMAR	cg16423812	-0.109368328850085	439	-1.43880746498873	0.152032922754172	0.0119614313554604	0.318666653948691
UCEC	SETMAR	cg21901604	-0.0383203774980574	439	-0.501472288069687	0.61668376239525	0.00146845133159362	0.772264206000853

UCEC	SETMAR	cg22149154	-0.111465452116007	439	-1.46674019533715	0.144283394918983	0.0124245470154259	0.30752575205697
UCEC	SETMAR	cg23182840	0.031024029698379	439	0.405887209128603	0.685332911844672	0.000962490418725899	0.818904670056746
UCEC	SETMAR	cg23549342	-0.246098203372162	439	-3.32026673473022	0.00109930866652392	0.0605643257030059	0.0072596017046942
UCEC	SETMAR	cg24390964	-0.00240801266521076	439	-0.0314889428821028	0.974916332980589	5.79852499581545e-06	0.986832077714679
UCEC	SETMAR	cg26797270	-0.0175662443802746	439	-0.229743901324065	0.818565361255051	0.00030857294162753	0.902422925153765
UCEC	SETMAR	cg27265118	-0.15266861188809	439	-2.02008168552104	0.0449357667255093	0.0233077050558361	0.133422196689107
UCEC	SFMBT2	cg09060610	0.0817983640926372	439	1.07324897432389	0.284671632730381	0.00669097236823163	0.481953101123553
UCEC	SFMBT2	cg12328063	-0.11786358674491	439	-1.54753982530918	0.123592712668863	0.0138918250803749	0.276353178984903
UCEC	SFMBT2	cg20299663	-0.0147316946202056	439	-0.192098644027924	0.847894208341777	0.000217022826382996	0.918841470920135
UCEC	SFMBT2	cg25291138	-0.13853153609128	439	-1.82917173090047	0.0691157027722472	0.0191909864918096	0.182647835500516
UCEC	SHPRH	cg00571935	-0.174400636789989	439	-2.31607867486949	0.0217406654171403	0.0304155821127535	0.0775868319309054
UCEC	SHPRH	cg02758840	-0.163946586953882	439	-2.17328607570626	0.0311341990781776	0.0268784833738268	0.101460031965807
UCEC	SHPRH	cg06708562	-0.134650540649588	439	-1.7769668714304	0.0773514736369295	0.0181307680972264	0.198197705612835
UCEC	SHPRH	cg11387577	-0.157926279848167	439	-2.09139925067356	0.0379700459684975	0.0249407098666817	0.117821152234283
UCEC	SHPRH	cg11675148	-0.163521565399844	439	-2.16749696581386	0.031579814305184	0.0267393023508155	0.102542786295078
UCEC	SHPRH	cg12989205	-0.135671526170492	439	-1.79069238538218	0.0751116450619483	0.0184067630134304	0.194069391741646
UCEC	SHPRH	cg14102550	-0.14724917963454	439	-1.9467536078907	0.0532027603887467	0.0216823209030451	0.150942944627358
UCEC	SHPRH	cg15443174	-0.14795276422946	439	-1.95626323806717	0.0520630767449282	0.021890020443138	0.148598290002016
UCEC	SHPRH	cg16339435	-0.157629015132811	439	-2.08736220616823	0.038338035135635	0.02484690641174	0.118629692746573
UCEC	SHPRH	cg18099523	-0.171720057498624	439	-2.27938967108927	0.0238797773900895	0.0294877781473308	0.083275210789162
UCEC	SHPRH	cg26814539	-0.173824107058504	439	-2.30818328012352	0.0221862366133667	0.0302148201946863	0.0787209163557695
UCEC	SHPRH	cg27398948	-0.155986236817254	439	-2.06506268865741	0.0404262707782528	0.0243317060764086	0.123341459569949
UCEC	SIN3A	cg01088093	0.0666512811336994	439	0.873521018358818	0.383604200986842	0.00444239327676343	0.58184739624862
UCEC	SIN3A	cg01664094	0.150788028049029	439	1.99461552609744	0.0476736319170452	0.0227370294029147	0.139388977387703
UCEC	SIN3A	cg02028562	-0.0403340739504604	439	-0.527866007881504	0.59827663684106	0.00162683752144121	0.758809389044173
UCEC	SIN3A	cg07544511	0.00438187696566176	439	0.0573010267457732	0.954372304060024	1.92008457421971e-05	0.975799988281763
UCEC	SIN3A	cg10483776	0.100726071128345	439	1.32389737686633	0.187304158787365	0.0101457414049523	0.366587997602503
UCEC	SIN3A	cg11184237	-0.0771673007380437	439	-1.01211135296986	0.312914768532161	0.00595479230319568	0.511932272784819
UCEC	SIN3A	cg15851274	-0.091255615487064	439	-1.19832201468611	0.232449845300665	0.00832758735792288	0.423058283392287
UCEC	SIN3A	cg22059910	0.273174473976581	439	3.71346319283724	0.000276459049247495	0.0746242932323817	0.00228165237398256
UCEC	SIN3A	cg25697800	0.00269899980386259	439	0.0351907802015761	0.971968900369629	7.28459994125029e-06	0.985192714056977
UCEC	SIN3B	cg06815056	-0.0226727358121961	439	-0.296560726293167	0.76716178548609	0.00051405294920964	0.870982384088162
UCEC	SIRT1	cg02720207	0.00118160807000275	439	0.0154515412907488	0.987689957385856	1.39619763109562e-06	0.993423654339328
UCEC	SIRT1	cg03211233	-0.0509373184441213	439	-0.666957680303332	0.505698123004735	0.00259461041027782	0.688802741552516
UCEC	SIRT1	cg07832903	0.0487984871699755	439	0.63888416089055	0.523753114312751	0.00238129235007827	0.702980492243374
UCEC	SIRT1	cg10582690	0.226999015188211	439	3.04796445191627	0.00267009539188073	0.0515285528964175	0.0150073983755487
UCEC	SIRT1	cg10705386	-0.0474656818788466	439	-0.621394724853356	0.535167433977881	0.00225299095622387	0.711672057416671
UCEC	SIRT1	cg19192316	-0.0291241902173878	554	-0.385440325734716	0.700379314184738	0.000848218455818586	0.828365428012742
UCEC	SIRT1	cg19681528	0.143458360655316	439	1.895568580719	0.0597040984062856	0.0205803012419107	0.164080285138608
UCEC	SIRT1	cg19980381	0.0321309616125059	439	0.420383901815779	0.674732814564386	0.00103239869414433	0.811963069272992
UCEC	SIRT1	cg25513531	0.0199555723180234	439	0.261004943788699	0.794402763678187	0.000398224866539862	0.887442308933249
UCEC	SIRT4	cg04118464	0.0259822003012571	439	0.338880849653405	0.735117708474668	0.000675074732494646	0.85064221363309
UCEC	SIRT4	cg07106325	-0.0328847887542593	439	-0.430257117838913	0.66755037315143	0.00108140933141226	0.807165496735092
UCEC	SIRT4	cg08264848	0.103359617170308	439	1.35490131111878	0.177246758047099	0.0106832104615927	0.353484779930168
UCEC	SIRT4	cg12124973	0.0627472616970225	439	0.822147000725849	0.412138131789021	0.00393721885047463	0.607819557231324
UCEC	SIRT4	cg20010714	-0.101181832682416	439	-1.32994951898713	0.185306098759728	0.0102377632649724	0.363959367979052
UCEC	SIRT4	cg21068152	-0.00113879059279609	554	-0.0150647932879381	0.987997649631742	1.29684401424087e-06	0.993665269616916
UCEC	SIRT4	cg21123573	0.120419179631211	546	1.58622787198133	0.114535090524244	0.0145007788230538	0.262194121538505
UCEC	SIRT5	cg01064902	-0.160986581547742	439	-2.13299422811858	0.0343517412428115	0.0259166794384279	0.109249800018122
UCEC	SIRT5	cg02206980	-0.0849931858354566	439	-1.11546640273412	0.266215742365122	0.00722384163846046	0.462039298162824
UCEC	SIRT5	cg02712746	-0.129327174509587	439	-1.70549503860037	0.0899179093591095	0.0167255180666331	0.220650868736438
UCEC	SIRT5	cg06139021	0.116323779105339	439	1.53152780545934	0.127486912017368	0.0135312215853477	0.282338851410001
UCEC	SIRT5	cg07534331	-0.0797929271636892	439	-1.04676557059648	0.296685051320828	0.00636691122534981	0.494671466250036
UCEC	SIRT5	cg07909422	-0.0356393015002518	554	-0.471763345967657	0.637683384138516	0.00127015981142585	0.786859254070434
UCEC	SIRT5	cg08619119	-0.185854527953785	439	-2.4734576986263	0.0143579335873681	0.0345419055609243	0.0564463859660257
UCEC	SIRT5	cg10907941	-0.0596065286989892	439	-0.780844886064698	0.435973359354505	0.00355293826354342	0.629078004184893
UCEC	SIRT5	cg11824369	-0.132669106337696	439	-1.75034606823065	0.0818521221711359	0.017601091776443	0.206305005416535

UCEC	SIRT5	cg19366958	0.0684361613544697	439	0.897022004559038	0.370968320971625	0.00468350818093501	0.569685134858593
UCEC	SIRT5	cg20150972	-0.0883229842572543	439	-1.159504360566	0.247867145994292	0.00780094954810719	0.441209306089867
UCEC	SIRT7	cg11691214	-0.265245139790383	437	-3.58685089062484	0.000437289119398287	0.0703549841824195	0.00334662761972162
UCEC	SIRT7	cg12710567	-0.245398494429669	432	-3.27127554957752	0.00130071610408133	0.0602204210683483	0.00835159364484176
UCEC	SIRT7	cg17552093	-0.00900717870277945	554	-0.119158608032734	0.905286374785715	8.11292681838037e-05	0.949775266143983
UCEC	SIRT7	cg20397086	-0.189262603767876	434	-2.5057006092789	0.0131667788626628	0.0358203331849961	0.0528435854032859
UCEC	SMARCA	cg03460558	-0.233046780722609	433	-3.13376877577666	0.00203121270740647	0.0543108020051717	0.0120429968264598
UCEC	SMARCA	cg06675660	-0.216096318975164	433	-2.89421030447513	0.00429668935251912	0.046697619074616	0.0219905691769653
UCEC	SMARCA	cg08617833	-0.228508719967165	433	-3.06934848767401	0.00249550473737721	0.0522162351010323	0.0142181994682527
UCEC	SMARCA	cg12935118	-0.102241874280552	433	-1.34402928675821	0.180719396219324	0.0104534008564001	0.357850808396825
UCEC	SMARCA	cg17420696	-0.12661268320259	433	-1.66910827106582	0.0969257061634175	0.0160307715477595	0.232810074477008
UCEC	SMARCA	cg18959966	-0.314059180526285	433	-4.32572356071014	2.57845850161391e-05	0.0986331688728417	0.000299162715398288
UCEC	SMARCA	cg24447042	-0.437681837233915	548	-6.43954378322222	1.11625782369043e-09	0.191565390644456	3.6625120681642e-08
UCEC	SMARCA	cg26010110	-0.245285868134863	433	-3.30860416303846	0.00114322510039202	0.0601651571066733	0.0075038857121074
UCEC	SMARCA	cg27353825	-0.124906159519769	429	-1.63174779805261	0.10460571027382	0.0156015486859779	0.245978194995663
UCEC	SMARCA	cg04518912	-0.135716764704893	439	-1.79130067908313	0.0750136286371875	0.0184190402219634	0.193886976749331
UCEC	SMARCA	cg13529335	0.170873091079746	439	2.26780815854319	0.0245922302592003	0.0291976132551472	0.0851468322845219
UCEC	SMARCA	cg14290704	-0.0937419079611978	439	-1.23125630838665	0.219917712220764	0.00878754530820569	0.408039460611098
UCEC	SMARCA	cg21210735	-0.114907242672607	439	-1.51262647258276	0.132220518282303	0.0132036744186214	0.289508936340835
UCEC	SMARCA	cg08405378	-0.151876424710977	439	-2.00935146363039	0.0460726234504716	0.0230664483829892	0.135897662096912
UCEC	SMARCA	cg17218495	0.091790278735462	439	1.20540242059251	0.229713372018829	0.0084254552703338	0.419796614034456
UCEC	SMARCA	cg17747332	0.0559368822476557	554	0.741135788905319	0.459604461793029	0.0031289347955881	0.649449294863194
UCEC	SMARCA	cg18522266	-0.118998495826606	439	-1.56724340394101	0.118906453790014	0.0141606420089948	0.269081323737974
UCEC	SMARCA	cg23892580	0.0499999005620567	439	0.654652365496667	0.513571175844959	0.00249999005621556	0.69519324958557
UCEC	SMARCA	cg01278696	0.126518132564415	554	1.68723570427299	0.0933396437664192	0.016006837867587	0.226694897042391
UCEC	SMARCA	cg01575392	-0.0883009739486242	439	-1.15921313821696	0.247985477506629	0.0077970620002756	0.441328260177766
UCEC	SMARCA	cg02782292	0.11073619715392	439	1.45702462009957	0.146943440674917	0.0122625053601117	0.311446110066056
UCEC	SMARCA	cg05358385	0.0093897576255507	439	0.122792427055289	0.902415668676227	8.81675482665875e-05	0.948400806908736
UCEC	SMARCA	cg10878459	-0.139987587416843	439	-1.84877969641364	0.0662162687255433	0.0195965246307883	0.176941481086167
UCEC	SMARCA	cg12253543	-0.054574808810538	439	-0.714723392682239	0.475754569183197	0.00297840975670678	0.663538509000639
UCEC	SMARCA	cg13848802	-0.2489681182656	431	-3.33191193958475	0.00106072222771959	0.0619851239127135	0.00705099760601707
UCEC	SMARCA	cg13898584	0.019305611490723	439	0.252500687319898	0.800957338619706	0.000372706635030736	0.891360654620357
UCEC	SMARCA	cg16091845	-0.0195213409475384	554	-0.258292287085961	0.796484857855292	0.000381082752390041	0.888556967748334
UCEC	SMARCA	cg16587443	-0.188377084584169	436	-2.50091106110559	0.0133339021791183	0.0354859259964311	0.0533479523823456
UCEC	SMARCA	cg19993723	0.150416239981445	439	1.98958354501397	0.0482310366706806	0.0226250452501557	0.140506488419672
UCEC	SMARCA	cg20045045	0.0750335197939135	439	0.983964374137025	0.326523179191211	0.00563002909266361	0.525977227026153
UCEC	SMARCA	cg22077701	0.0665315963431031	439	0.871945468285372	0.384460738593458	0.0044264533119616	0.582630200220895
UCEC	SMARCA	cg24607315	-0.203542739176314	437	-2.71061650811972	0.00740483573705028	0.0414296466713972	0.0338455811591122
UCEC	SMARCB	cg01745726	-0.126617147195799	439	-1.66916807774371	0.0969138363519897	0.0160319019640027	0.232795497596699
UCEC	SMARCB	cg01912455	-0.0678526695182564	439	-0.889338400477329	0.375070629285438	0.00460398476075372	0.573796983224448
UCEC	SMARCB	cg03979008	0.179467545582803	439	2.38557513412567	0.0181457934021725	0.0322085999175153	0.0675584518750231
UCEC	SMARCB	cg10122452	-0.0141682723141214	439	-0.185292800431741	0.853218978417752	0.000200739940367098	0.921812856158839
UCEC	SMARCB	cg16142952	0.219924734643545	439	2.9480670692166	0.00364482546461543	0.0483668889080337	0.019244302442941
UCEC	SMARCB	cg19906397	0.0803639324109575	554	1.06656460654881	0.287637699563349	0.00645836163255294	0.48514596864455
UCEC	SMARCC	cg02564102	0.191150126676968	439	2.54656891686422	0.0117610389060257	0.036538370928621	0.0484094317807072
UCEC	SMARCC	cg02627110	-0.0461449246492473	439	-0.604066668550999	0.546599881481635	0.00212935407088471	0.72012923689172
UCEC	SMARCC	cg05592996	-0.231481579466813	438	-3.11152569283736	0.00218163473821174	0.0535837216324506	0.0127387294771781
UCEC	SMARCC	cg07143957	0.148345659101413	439	1.96157491475897	0.0514355125180859	0.0220064345742326	0.14730430941069
UCEC	SMARCC	cg07304068	0.0241623847090822	439	0.316056453186487	0.75234510366118	0.000583820834829691	0.861312911970476
UCEC	SMARCC	cg07474652	0.192447444434686	439	2.56451463635687	0.0111916300290151	0.0370360188694416	0.0465509098260814
UCEC	SMARCC	cg12894336	0.0585762622702306	438	0.76730152855343	0.443960396902104	0.00343117850155084	0.635986284677145
UCEC	SMARCC	cg16250355	0.157390994580216	554	2.10836504081231	0.0364230632847484	0.0247719251749496	0.114295340453137
UCEC	SMARCC	cg20685352	0.0702112356915724	439	0.920402462103168	0.358659089483477	0.00492961761733753	0.557608094886349
UCEC	SMARCC	cg22984439	0.0304198657208213	439	0.397975541238939	0.691144620804073	0.000925368230472797	0.822501218155608
UCEC	SMARCC	cg24832353	0.78708258473799	115	1.80450212157889	0.21291741526201	0.619489995197835	0.399269552920159
UCEC	SMARCD	cg02553054	0.265620834177359	439	3.6028668305132	0.00041237831949306	0.070554427549076	0.00318543927977789
UCEC	SMARCD	cg04550398	-0.0348366063450168	439	-0.455824415530253	0.649094567642405	0.00121358914163766	0.794720653285341

UCEC	SMARCD	cg09878554	0.217068538692722	439	2.90787375144279	0.0041219124108997	0.0471187504901939	0.0212540633720111
UCEC	SMARCD	cg13349421	-0.0101541401095696	439	-0.132789457697154	0.894516021940175	0.000103106561364771	0.944028921939992
UCEC	SMARCD	cg17846064	-0.134497341834946	439	-1.77490785741524	0.0776921664927423	0.0180895349606663	0.19876506316454
UCEC	SMARCD	cg18591973	0.222412814278014	554	3.01783391798361	0.00292602485132717	0.0494674599550663	0.0161403373242676
UCEC	SMARCD	cg20405918	0.102875217907015	439	1.35244373810515	0.178019161728524	0.0105833104594158	0.354588863875175
UCEC	SMARCD	cg22402853	-0.0502187195910127	439	-0.657524606874142	0.511727748546333	0.00252191979736076	0.693760211746078
UCEC	SMARCD	cg25107077	0.0620834926322704	439	0.813416124088853	0.417110661019874	0.00385436005742117	0.612609627763557
UCEC	SMARCD	cg00945038	0.0228342456303041	439	0.298674382441513	0.765551147844625	0.000521402773505061	0.869983167275306
UCEC	SMARCD	cg02127607	0.0736561236916288	439	0.965802209151556	0.335507064384912	0.00542522455727653	0.535075269414294
UCEC	SMARCD	cg02360836	0.0669144178534175	554	0.887182970451387	0.376198038199345	0.00447753931666175	0.574709297173866
UCEC	SMARCD	cg04367190	0.00890357926620684	439	0.116434021942311	0.90744520290049	7.92737237496283e-05	0.9509449957766
UCEC	SMARCD	cg06420487	-0.235872145327689	439	-3.17398539959895	0.00178335215028907	0.0556356689414866	0.0108284496705891
UCEC	SMARCD	cg07362569	0.0803109964480683	439	1.05360585238584	0.293549869907266	0.00644985615048164	0.491306524807251
UCEC	SMARCD	cg11697258	-0.0528324812843312	439	-0.691840572580389	0.489975746945791	0.00279127107865921	0.675953323364991
UCEC	SMARCD	cg12577610	-0.230811533913673	554	-3.13808260257033	0.00199594825233049	0.0532739641875826	0.0118778982525215
UCEC	SMARCD	cg15868002	-0.180261189261211	439	-2.39647815912629	0.0176322358192484	0.0324940963538663	0.066086054794884
UCEC	SMARCD	cg19016967	-0.114310002178532	439	-1.50466009673506	0.134256286381496	0.0130667765980559	0.292541595682867
UCEC	SMARCD	cg19143629	0.115180356919195	439	1.51626999846837	0.13129750962238	0.0132665146200331	0.288063581238745
UCEC	SMARCD	cg21254277	-0.199569453686764	439	-2.66328472093736	0.00847760208222749	0.0398279668448333	0.0375744403136284
UCEC	SMARCD	cg23682543	-0.266235850265772	439	-3.61184449132298	0.00039934140802977	0.0708815279667388	0.00310043567827025
UCEC	SMARCD	cg24795630	-0.193228632507358	439	-2.57532749311004	0.0108605885121402	0.0373373044206636	0.0454754627651344
UCEC	SMARCD	cg25945412	-0.00616026954677897	439	-0.0805575058078513	0.935888065645191	3.79489208889724e-05	0.965809189940193
UCEC	SMARCD	cg00864064	0.00550440586620074	439	0.0719805372038396	0.942701516351137	3.02984839398651e-05	0.969539347239517
UCEC	SMARCD	cg02917064	-0.0770611055795476	554	-1.02246303052655	0.307973141502889	0.00593841399314218	0.506553535532397
UCEC	SMARCD	cg14795305	-0.0562672404199295	554	-0.745526730830536	0.456953528294958	0.00316600234447415	0.647190685458481
UCEC	SMARCD	cg19786287	-0.09108882099882	439	-1.19611341294512	0.233308193508074	0.00829717331095508	0.424114443410845
UCEC	SMARCD	cg19902439	0.0090922604618921	439	0.118901648418888	0.905492840549492	8.26692003068863e-05	0.949889560636845
UCEC	SMARCD	cg22750243	-0.053898763925832	439	-0.705843806321866	0.481245770413656	0.00290507675273257	0.668496576345891
UCEC	SMARCD	cg22787816	-0.0706476403834565	439	-0.923439902302411	0.357086825765265	0.00499108909175019	0.555940052105007
UCEC	SMNDC1	cg03999743	0.0306598208201349	439	0.401117756354496	0.688834207942547	0.000940024612722776	0.821151757574765
UCEC	SMNDC1	cg08770590	-0.224859405163342	439	-3.01769783339479	0.0029365042673914	0.0505617520904121	0.0161843721556817
UCEC	SMNDC1	cg11559952	0.0805447587107618	439	1.05669259269396	0.292142458817141	0.00648745815577484	0.489867880355664
UCEC	SMNDC1	cg12486840	0.147353139667245	439	1.94815853827793	0.0530330739831268	0.0217129477697947	0.150601854796601
UCEC	SMNDC1	cg17981675	-0.111124240128614	439	-1.46219406540762	0.145523416595945	0.0123485967441619	0.309422709450486
UCEC	SMNDC1	cg18209001	0.0566888164779554	439	0.742496478293053	0.458805306982784	0.00321362191367131	0.648773971669885
UCEC	SMNDC1	cg21872391	0.0465136566635377	554	0.61598454882877	0.538705082161287	0.00216352025621346	0.714337375427096
UCEC	SMNDC1	cg23721301	-0.0791242968544102	439	-1.03793863073929	0.300764076990064	0.00626065435270482	0.499075137693891
UCEC	SMNDC1	cg26944434	0.167626978628122	439	2.22346815672331	0.0274943447956328	0.0280988039639928	0.0924927593094684
UCEC	SMYD1	cg00578637	-0.160538050636273	439	-2.12689397253309	0.0348630545936669	0.0257724657020947	0.110539278430298
UCEC	SMYD1	cg00666842	-0.111215040555606	439	-1.46340379157673	0.145192645537232	0.0123687852457852	0.308938942231432
UCEC	SMYD1	cg03704645	-0.179829324365185	439	-2.39054462899181	0.0179101021596084	0.032338585901639	0.0668761290949057
UCEC	SMYD1	cg14559139	-0.156211833225641	439	-2.0681239503454	0.0401339585403702	0.0244021368397154	0.122770680299224
UCEC	SMYD1	cg16090764	-0.17704640107418	439	-2.35234324117345	0.0197935108630803	0.0313454281333196	0.0722438703622011
UCEC	SMYD1	cg18148488	-0.227645488034649	439	-3.05711849291361	0.00259402212764831	0.0518224682225334	0.0146550005372747
UCEC	SMYD1	cg19074493	-0.313719006659457	439	-4.32052636026585	2.63379886261448e-05	0.0984196151393963	0.000304267521114094
UCEC	SMYD2	cg01770831	-0.0173811839716759	439	-0.227322813691211	0.820444288237293	0.000302105556257244	0.90348285713057
UCEC	SMYD2	cg04406444	-0.0237409792794889	439	-0.310541116616097	0.756527679522808	0.00056363409714912	0.864196002207966
UCEC	SMYD2	cg11523160	-0.121615754647204	439	-1.60222526203114	0.110951433231193	0.0147903917784088	0.256465779134971
UCEC	SMYD2	cg14013804	-0.0234645050390406	439	-0.306922723525912	0.75927562396704	0.00055058299672716	0.865993886454389
UCEC	SMYD2	cg27570636	0.021069431058338	439	0.275579736939386	0.783203604333601	0.00044392092512206	0.880365361524859
UCEC	SMYD5	cg01329511	0.00918920745454925	439	0.120169553754652	0.904489909323683	8.44415336427436e-05	0.949357680480391
UCEC	SMYD5	cg05103132	-0.222453113770957	439	-2.98371368018972	0.00326466508131781	0.0494853878263943	0.0176260156349276
UCEC	SMYD5	cg06754047	0.0380769482324156	554	0.504076229548724	0.614841833240178	0.00144985398669406	0.770884248100861
UCEC	SMYD5	cg08834152	0.0750990333239665	439	0.984828367242439	0.326099771469735	0.00563986480619422	0.525610807452948
UCEC	SMYD5	cg15623359	-0.132116284014031	439	-1.74292266148721	0.0831446875900284	0.0174547125016762	0.20861895842554
UCEC	SMYD5	cg17895873	-0.223105122134637	554	-3.02771884471123	0.00283665226900555	0.0497758955227114	0.0157388578999371
UCEC	SMYD5	cg20402064	0.140872640442966	439	1.86070426267213	0.0645029342332705	0.0198451008253731	0.173541112424107

UCEC	SMYD5	cg25886337	-0.0562911515661201	439	-0.737271343625708	0.461967771747008	0.00316869374463991	0.65147208481282
UCEC	SMYD5	cg26467949	-0.113453804132493	439	-1.49324246058241	0.137216539626546	0.0128717656721342	0.297144624309863
UCEC	SP100	cg05876232	-0.0216247133092952	439	-0.282845961105507	0.777637015268233	0.000467628225709208	0.877027768034473
UCEC	SP100	cg09456094	-0.431059625350757	439	-6.247023800482	3.21239167609475e-09	0.185812400607535	9.63395520624962e-08
UCEC	SP100	cg11702456	-0.353594403600682	439	-4.94318209342525	1.82252668771206e-06	0.125029002257722	2.90714868041567e-05
UCEC	SP100	cg11827097	-0.34283034236305	439	-4.77230270502134	3.88868066736472e-06	0.117532643644766	5.6917408059637e-05
UCEC	SP100	cg23539753	-0.557447128998568	554	-8.88246428443119	7.69892454339505e-16	0.310747301628746	6.61070790208471e-14
UCEC	SP100	cg27140170	0.0703234912514606	439	0.921881333394383	0.357889309972843	0.00494539342179426	0.55687736979013
UCEC	SP140L	cg04002454	-0.510587888287023	439	-7.76529945691932	7.14587938385454e-13	0.260699991665401	4.12869198680264e-11
UCEC	SP140L	cg05217331	0.201507930771607	439	2.69024339741853	0.00784808748342909	0.0406054461638549	0.0353973927793652
UCEC	SP140L	cg13278004	-0.623730330204136	439	-10.434901659815	4.89862075311239e-20	0.38903952481656	6.61602956367405e-18
UCEC	SP140L	cg24044052	-0.703793214549739	439	-12.9549931264577	3.48623565165381e-27	0.495324888846255	8.21843079650778e-25
UCEC	SP140L	cg25095994	-0.734320281905659	439	-14.1461978023251	1.39637059947414e-30	0.539226276418007	3.93584255128592e-28
UCEC	SP140L	cg26847438	-0.606247517306772	439	-9.96850752467651	9.69386851577473e-19	0.367536052240625	1.13231953050477e-16
UCEC	SSRP1	cg01511567	-0.0127707585812153	554	-0.168955034489952	0.866027138009004	0.000163092274739683	0.928803837739501
UCEC	SSRP1	cg01766191	-0.0733654723406235	439	-0.961970432056818	0.337422768169697	0.00538249253176279	0.536983113990077
UCEC	SSRP1	cg02688348	-0.0166367540234295	439	-0.217583902302505	0.82801273902976	0.000276781584436096	0.907514126201166
UCEC	SSRP1	cg04937561	0.0141695229529936	439	0.185309159583208	0.853206167890957	0.000200775380715413	0.921812856158839
UCEC	SSRP1	cg08821673	0.00631402177629135	439	0.0825681944346895	0.934291462837166	3.98668709914814e-05	0.96508219221312
UCEC	SSRP1	cg09381635	0.0207679358585454	439	0.271634586308713	0.786230665113436	0.000431307159824658	0.882190451188984
UCEC	SSRP1	cg11948159	-0.0395789049283235	439	-0.517967194781329	0.605150649222897	0.00156648971532527	0.763866454740323
UCEC	SSRP1	cg12795368	0.0334423958393834	439	0.437560822796757	0.662256820049099	0.00111839383947801	0.803549981422438
UCEC	SSRP1	cg12911972	0.0764430269544408	439	1.0025558158073	0.317491789098679	0.00584353636995737	0.516717713614892
UCEC	SSRP1	cg16313264	0.150028096475431	439	1.98433112203619	0.0488187417175789	0.0225084297320413	0.141744915392164
UCEC	SSRP1	cg22636253	0.0696818955774287	554	0.92405095824933	0.356732158429929	0.00485556657126368	0.555588018676634
UCEC	SSRP1	cg26706201	-0.072571021031749	439	-0.951498105996461	0.342694524302174	0.00526655309359055	0.541927426587863
UCEC	STK31	cg00755064	-0.611707828521277	439	-10.1115938881487	3.89227458871751e-19	0.374186467474216	4.76843479298724e-17
UCEC	STK31	cg05000488	-0.384907469250381	439	-5.45348080136088	1.70579914276731e-07	0.148153759884733	3.51712002418341e-06
UCEC	STK31	cg05407490	-0.397678242815649	439	-5.66776726358729	6.03195730572032e-08	0.158147984808942	1.38177292886103e-06
UCEC	STK31	cg11755819	-0.515715838138976	439	-7.87135495354394	3.84251433671008e-13	0.265962825707386	2.30296271425288e-11
UCEC	STK31	cg13313214	-0.527442042810826	439	-8.11825875505482	8.93796567517546e-14	0.278195108524458	5.95308306279623e-12
UCEC	STK31	cg13514718	-0.238680520800222	439	-3.21404465967088	0.0015645989906477	0.0569683910094651	0.00973419816686241
UCEC	STK31	cg13802883	-0.05063498509213	439	-0.66298881362783	0.508230418664765	0.00256390171528023	0.690790982590599
UCEC	STK31	cg14898779	-0.495465464887505	554	-7.54568670341631	2.36282888710885e-12	0.245486026896191	1.26680847997068e-10
UCEC	STK31	cg17102984	-0.46380697195934	439	-6.84593609615836	1.3048770713892e-10	0.215116907238092	5.09724114017062e-09
UCEC	STK31	cg17331904	-0.576267581124376	439	-9.22064762957456	1.07887445844982e-16	0.332084325054939	1.04002428278371e-14
UCEC	STK31	cg21519371	-0.39379845700632	439	-5.60226382358165	8.31073297354212e-08	0.155077224740558	1.83671920722652e-06
UCEC	STK31	cg25570411	-0.438306477972953	439	-6.37676656087239	1.627568287274e-09	0.192112568633055	5.17007134912998e-08
UCEC	STK31	cg25612145	-0.571935267850986	554	-9.22345958325026	9.17598881390307e-17	0.327109950611779	8.92296092235969e-15
UCEC	SUV39H	cg05903800	-0.192716715552789	434	-2.56824119396134	0.0110765321669334	0.0371397324534544	0.0461820519223296
UCEC	SUZ12	cg00160853	0.072733655451998	439	0.953641777204678	0.341611101700417	0.00529018463540995	0.540754950510328
UCEC	SUZ12	cg01109633	0.192613036252647	439	2.5668062607162	0.0111207250995186	0.0370997817344633	0.046318872561669
UCEC	SUZ12	cg07482957	-0.039369754502827	439	-0.515225792984984	0.607060650976171	0.00154997756961286	0.765284010404152
UCEC	SUZ12	cg08177746	0.0532586092899308	439	0.697436521900529	0.486476812427177	0.00283647946349751	0.67295512111172
UCEC	SUZ12	cg17335595	-0.170217032012908	439	-2.25884069492541	0.0251565698260158	0.0289738379872833	0.0866343701189422
UCEC	SUZ12	cg25098644	0.029270895513709	554	0.387383538734161	0.698943013199016	0.000856785324174472	0.827326812464689
UCEC	TAF3	cg00194465	0.146136575052375	439	1.93172183356035	0.055047093697194	0.0213558985680383	0.15473653503449
UCEC	TAF3	cg02334915	0.00429197741856784	439	0.0561254044538747	0.955307430661076	1.84210701614963e-05	0.976175096358221
UCEC	TAF3	cg03672997	-0.0311685453397866	439	-0.407779740757615	0.683945470176293	0.000971478218598333	0.817962949005266
UCEC	TAF3	cg04179819	0.0164577555793371	439	0.215242232207606	0.82983496681979	0.000270857718709203	0.908616013877552
UCEC	TAF3	cg04234156	0.143700474719637	439	1.89883512039364	0.0592701998601676	0.0206498264346491	0.163187610260905
UCEC	TAF3	cg05976695	0.0788645362114299	439	1.03450977495742	0.302358707067928	0.00621961507184393	0.500749223120567
UCEC	TAF3	cg07855525	-0.0582831362575181	439	-0.763448694826269	0.446247866926037	0.00339692397201242	0.63811566567366
UCEC	TAF3	cg09871669	0.0838127082634124	439	1.09986321760109	0.272937698000159	0.00702457006644787	0.469246066835164
UCEC	TAF3	cg09994553	-0.0970490660561662	432	-1.26386561768489	0.208029124169007	0.00941852122237412	0.393138804268651
UCEC	TAF3	cg11104088	-0.0178101228668784	439	-0.232934523647335	0.81609082982231	0.000317200476533305	0.901002685895169
UCEC	TAF3	cg12176426	0.000905107436255751	439	0.0118358203911263	0.990570399387104	8.19219471165458e-07	0.994880174160119

UCEC	TAF3	cg12590721	0.105812944510191	439	1.39149557968856	0.165882735729609	0.0111963792259168	0.338102115472365
UCEC	TAF3	cg12777293	0.128772115159065	439	1.69805152753689	0.0913169761989253	0.0165822576425396	0.223163103808393
UCEC	TAF3	cg27268107	0.109673733328864	439	1.44287409493037	0.150885213826868	0.0120283277822909	0.316951026744273
UCEC	TCEA1	cg01677098	-0.0281244258850218	554	-0.372198413781782	0.710195457052817	0.000790983331362082	0.834954592503654
UCEC	TCEA1	cg06047473	0.118585280509622	439	1.56172348393552	0.120201928762692	0.0140624687535457	0.2710195880406
UCEC	TCEA1	cg11530293	0.201827157703908	439	2.69468608128742	0.00774849866406473	0.0407342015868381	0.0350702062527491
UCEC	TCEA1	cg11787876	0.165760409512864	439	2.19800571342455	0.0292921264796388	0.0274765133618722	0.0969819815797656
UCEC	TCEA1	cg12850379	-0.125167231983837	439	-1.64974812914722	0.100830168682536	0.0156668359624958	0.239649938666377
UCEC	TCEA1	cg23569945	-0.0462294076826639	439	-0.605174972115326	0.545865023979702	0.00213715813468994	0.7195967797385
UCEC	TCEA1	cg26181865	-0.138874474042106	439	-1.83378882273399	0.0684236698390443	0.0192861195404717	0.181317947046994
UCEC	TCEA1	cg26358945	0.130449910835863	439	1.72055625911152	0.0871402763528391	0.0170171792370846	0.215815817980732
UCEC	TDRD1	cg00337703	-0.295704324179994	439	-4.04785796849812	7.81880899170064e-05	0.087441047338747	0.000779316369891556
UCEC	TDRD1	cg02635786	-0.774696277222829	439	-15.9268033661387	1.80490770390687e-35	0.60015432194291	6.18550616377671e-33
UCEC	TDRD1	cg16550453	-0.865226431239291	439	-22.5662652365662	3.76349265738084e-53	0.748616777315079	2.54588824163726e-50
UCEC	TDRD1	cg23504215	-0.808389849931861	439	-17.9582337931263	3.31985364148132e-41	0.653494149472858	1.38109462131229e-38
UCEC	TDRD1	cg23825092	-0.521257879454996	439	-7.98727152149001	1.94221981352705e-13	0.271709776893919	1.22640461179808e-11
UCEC	TDRD1	cg24203376	-0.596614227289894	439	-9.72145734670815	4.64934447933833e-18	0.355948536204717	5.15964485628596e-16
UCEC	TDRD1	cg26600802	-0.836762364011573	439	-19.9831320898185	1.36082065689725e-46	0.700171253826236	6.91919491389964e-44
UCEC	TDRD1	cg27547703	-0.770459144760218	554	-15.9880569366614	4.72230042449127e-36	0.593607293744646	1.65480468118412e-33
UCEC	TDRD3	cg01557749	-0.0502456893923002	439	-0.657878621859001	0.511500780311662	0.00252462930250751	0.693621735175803
UCEC	TDRD3	cg03447530	-0.214847466015052	439	-2.87667233414659	0.00453095836024125	0.0461594336530889	0.0229122058422132
UCEC	TDRD3	cg05666423	-0.215544965889548	439	-2.88646567743251	0.00439873996009919	0.0464596323203263	0.0224008625593058
UCEC	TDRD3	cg10765900	0.0801716597677998	439	1.051766048653	0.294390914643925	0.00642749502992385	0.492174134226113
UCEC	TDRD3	cg18522102	0.0844749887500787	439	1.10861645634976	0.26915245874015	0.00713602372432592	0.465123095169185
UCEC	TDRD3	cg19937698	0.0460286317414465	439	0.602541083537817	0.547612224087066	0.0021186349399897	0.720901366646854
UCEC	TDRD3	cg20944895	-0.166020876857484	439	-2.2015573631454	0.0290353911109485	0.0275629315525278	0.0964054296237784
UCEC	TDRD3	cg22045829	0.116601242167237	439	1.53523119627084	0.126575216435791	0.0135958496749427	0.280911545014861
UCEC	TDRD3	cg23103367	-0.193011187520152	439	-2.57231720668409	0.0109518567578618	0.0372533185079391	0.0457738540063987
UCEC	TDRD3	cg23767211	0.00981897691225125	439	0.128405974375741	0.897978595924836	9.64123076033231e-05	0.946027651130161
UCEC	TDRD3	cg26737458	-0.0345377659389779	439	-0.451909506588733	0.651906861998	0.00119285727605562	0.796557752403481
UCEC	TDRD5	cg05378938	-0.118783861337777	439	-1.56437611494752	0.119577995702268	0.0141096057143123	0.27010599877068
UCEC	TDRD5	cg07171496	-0.149854786216788	439	-1.98198616185224	0.0490830762212085	0.0224564569520791	0.142338359485301
UCEC	TDRD5	cg07901138	-0.144992447697187	439	-1.9162719837866	0.056998462401774	0.0210228098892216	0.158606477757756
UCEC	TDRD5	cg09656934	-0.391208296285627	554	-5.6233697247411	7.2871513673142e-08	0.153043931082703	1.63276685906924e-06
UCEC	TDRD5	cg11853788	-0.37360924990442	439	-5.26697678276701	4.12730064366822e-07	0.139583871614144	7.76116089614516e-06
UCEC	TDRD5	cg12277666	-0.0151893138047976	554	-0.200958918047243	0.84096407119742	0.000230715253860615	0.914800516740993
UCEC	TDRD5	cg13848905	-0.112192843796992	439	-1.47643333696249	0.141666750782899	0.0125872341992564	0.303788059165467
UCEC	TDRD5	cg15545772	-0.109847094509877	439	-1.44518267912041	0.150236641785808	0.0120663841722618	0.315922436005338
UCEC	TDRD7	cg24339935	0.126256846704386	439	1.66434125656814	0.0978755924592945	0.0159407913397348	0.234439738893354
UCEC	TDRD9	cg07613153	0.126037058049997	554	1.68071637356222	0.0946020195903228	0.0158853400018984	0.22891466794464
UCEC	TDRD9	cg08933517	0.0917013130224566	554	1.21822727568746	0.224777466378328	0.00840913081004257	0.414113063502004
UCEC	TDRD9	cg16701547	0.141926600462562	439	1.87491049981433	0.062510108782491	0.0201431599188597	0.169634471783762
UCEC	TRIM24	cg00733782	-0.00734738025243853	439	-0.0960820575421724	0.92356791124889	5.39839965739237e-05	0.959803374973999
UCEC	TRIM24	cg02308366	0.00536509584103388	439	0.0701587415211938	0.944149292957231	2.8784253383479e-05	0.970165960631898
UCEC	TRIM24	cg06386929	0.00170037435215965	439	0.0222353120459582	0.982286174353054	2.89127293748234e-06	0.990768211902571
UCEC	TRIM24	cg06650216	0.357448818142165	439	5.00491061279725	1.37987072357852e-06	0.127769657591231	2.27282792864848e-05
UCEC	TRIM24	cg10571650	0.0882652741467764	439	1.15874079136168	0.248177489589392	0.00779075862020559	0.441471582139364
UCEC	TRIM24	cg10703331	-0.0157301705202671	554	-0.208116345953026	0.835380135351227	0.000247438264596681	0.911827125972916
UCEC	TRIM24	cg13935558	0.234065454657067	439	3.1482589769622	0.00193844731680285	0.0547866370638195	0.0115901599080286
UCEC	TRIM24	cg26889928	-0.0456812204624117	554	-0.604937257917057	0.54600428675188	0.00208677390293546	0.719698020698008
UCEC	TRIM33	cg00760200	-0.103088229936407	439	-1.35527413784659	0.177117716596675	0.0106271831514214	0.353318007203492
UCEC	TRIM33	cg02852257	-0.0442815871161069	439	-0.579625450628161	0.562930089185887	0.00196085895752137	0.732974466317631
UCEC	TRIM33	cg05792124	0.0151930031998156	439	0.198697230491376	0.842735633014789	0.000230827346229608	0.915959145438387
UCEC	TRIM33	cg16036305	0.00506639483793696	439	0.0662525596225514	0.94725414746045	2.56683566538743e-05	0.971916237767584
UCEC	TRIM33	cg17645130	0.106978428001738	439	1.40699875523726	0.161242688865442	0.0114443840577231	0.331449695801248
UCEC	TRIM33	cg18199720	-0.204896076292004	439	-2.73744217278388	0.00684687824568794	0.0419824020798588	0.0318434893432802
UCEC	TRIM33	cg20932765	-0.114587580048153	546	-1.52590208896767	0.128839511127939	0.0131303135012919	0.284310274468408

UCEC	TRIM33	cg20992663	-0.168845441954078	439	-2.24010284253978	0.0263723894281152	0.0285087832686678	0.0896604128570151
UCEC	TRIM33	cg21666217	0.083457457577517	554	1.10790348646998	0.269423898210981	0.00696514722530305	0.465375077432947
UCEC	TRIM33	cg21813112	-0.2273414069652	437	-3.03490697046263	0.00278679671101353	0.0516841153209169	0.0155164660275255
UCEC	TRIM66	cg06492264	-0.00743133867884551	439	-0.0971800463600339	0.922697221161989	5.52247945597053e-05	0.959360441895668
UCEC	TRIM66	cg11245569	0.160824396973749	420	2.04819257267083	0.0421962763700152	0.0258644866619701	0.127322051195755
UCEC	TRIM66	cg12608775	0.0436980331220337	439	0.571972287893281	0.568091881529757	0.00190951809873436	0.736700382383047
UCEC	TRIM66	cg13143389	0.0753140798276769	439	0.987664492938735	0.3247124338637	0.00567221062028968	0.524069606024619
UCEC	TRIM66	cg27044202	-0.222436579327818	439	-2.98348036290642	0.00326703020125939	0.0494780318230608	0.0176362048072148
UCEC	UBE2A	cg00142683	0.0113973296009661	439	0.149049104858836	0.881690518954025	0.000129899122033057	0.93719992282546
UCEC	UBE2A	cg00428314	-0.019918560776438	439	-0.26052066636807	0.794775627751561	0.000396749063404656	0.887606080844577
UCEC	UBE2A	cg00935924	0.065414338862718	439	0.857239523499013	0.39251233032789	0.00427903573192801	0.589428216360081
UCEC	UBE2A	cg05206294	0.087000969647041	439	1.14201556799097	0.255044138586603	0.00756916871952534	0.44932255572147
UCEC	UBE2A	cg06206449	0.0805504803251438	439	1.05676814659812	0.292108067155995	0.00648837988061138	0.489867880355664
UCEC	UBE2A	cg06273903	0.0488293199917952	548	0.646722638249813	0.51865878374127	0.00238430249086113	0.699463316674496
UCEC	UBE2A	cg09080960	0.0395502440549797	439	0.517591523486236	0.605412227913034	0.00156422180480846	0.764047870904036
UCEC	UBE2A	cg14625604	0.0172817576618117	548	0.228650311759585	0.819407690715142	0.000298659147881587	0.902798987663502
UCEC	UBE2A	cg15661671	0.0536477312990404	439	0.702546839003884	0.483293465704532	0.00287807907353403	0.670177220351174
UCEC	UBE2A	cg16211147	0.0472041865140301	439	0.617963704380978	0.537421411938398	0.00222823522445134	0.713330650302655
UCEC	UBE2A	cg17976175	0.0466136802719166	439	0.610216275285046	0.542528651658016	0.00217283518849247	0.71709317230743
UCEC	UBE2A	cg18990292	0.0897795635702891	439	1.17878044958449	0.240123232325176	0.00806037003487158	0.432100731778233
UCEC	UBE2A	cg25165659	0.0197291876247696	439	0.258042830576105	0.7966841485748	0.000389240844333361	0.888677344090679
UCEC	UHRF2	cg06523306	0.165939032248037	439	2.20044130511501	0.0291158554166012	0.0275357624234151	0.0965784772284827
UCEC	UHRF2	cg08487038	0.000356691510600467	554	0.00471858545925405	0.996240502084004	1.27228833734443e-07	0.998170169676088
UCEC	UHRF2	cg13428749	0.0253007622367679	439	0.330956341615871	0.741082655996186	0.000640128569761461	0.854392899923449
UCEC	UHRF2	cg14078101	-0.0474074211039157	439	-0.620630287578789	0.535669207615027	0.00224746357572399	0.712027381260434
UCEC	UHRF2	cg20595300	0.224733629950308	554	3.05099008800929	0.00263608573207785	0.0505052044306418	0.0148484290378151
UCEC	UHRF2	cg24119045	-0.0900658404789671	439	-1.18256987539991	0.238621332834112	0.00811185562118275	0.430363703030021
UCEC	USP27X	cg00478198	-0.206134113548954	439	-2.75471424404388	0.00651044829642196	0.0424912727686131	0.0305952527952066
UCEC	USP27X	cg01125381	-0.375348730304039	439	-5.29550981526524	3.61015166383526e-07	0.140886669340854	6.87510743051164e-06
UCEC	USP27X	cg01290688	-0.183405109019891	439	-2.43971690490721	0.0157199323142971	0.0336374340145983	0.0605044733058792
UCEC	USP27X	cg01855997	-0.295205170264637	439	-4.04037220935443	8.05003223118045e-05	0.087146092550973	0.000798577158113303
UCEC	USP27X	cg06455206	-0.392560419707702	439	-5.58143662028872	9.1976668830985e-08	0.154103683121087	2.01046163951606e-06
UCEC	USP27X	cg06624970	-0.263175779587714	439	-3.56722195055716	0.000468202024690821	0.0692614909616011	0.00354899233253412
UCEC	USP27X	cg16810342	-0.298791236874619	439	-4.09423313704471	6.52151323130752e-05	0.0892762032330647	0.000669395171284256
UCEC	USP27X	cg16867483	-0.289023883788576	439	-3.9479695992956	0.000114979029978816	0.083534805400232	0.00108578279414567
UCEC	USP27X	cg19318186	-0.320638802814451	439	-4.42661486253761	1.70121476320508e-05	0.102809241870284	0.000208055810861147
UCEC	USP51	cg00834229	-0.229560995644212	439	-3.0842671283362	0.00238000715864221	0.0526982507211617	0.0136793702917926
UCEC	USP51	cg01084827	-0.218555781459676	432	-2.92021657442134	0.00397251301255537	0.0477666296094496	0.0206479372819358
UCEC	USP51	cg02714202	-0.164982172995879	439	-2.1873967427797	0.0300707758149445	0.0272191174064423	0.0988726092032033
UCEC	USP51	cg03728850	-0.219102272340672	439	-2.93648500164694	0.00377682730665473	0.0480058057448461	0.0198255400468217
UCEC	USP51	cg07386410	-0.214217163267968	439	-2.8678264512117	0.00465349653902174	0.0458889930385751	0.0234101209102856
UCEC	USP51	cg12064531	-0.169055396762931	439	-2.24297024956951	0.0261830786965914	0.0285797271746721	0.0892119141609421
UCEC	USP51	cg12517811	-0.235311971877514	439	-3.16600508243665	0.0018301860040804	0.0553717241088838	0.0110550112587492
UCEC	USP51	cg18770944	-0.304535600018707	548	-4.22952575118022	3.76909953919404e-05	0.0927419316787539	0.000415610672646437
UCEC	USP51	cg21331369	-0.223253772029477	439	-2.99501500304607	0.00315197093095841	0.0498422467253896	0.0171495612395425
UCEC	USP51	cg25424556	-0.261098516518186	548	-3.57812618343921	0.000447826708269848	0.0681724353279973	0.00341618267730384
UCEC	WDR82	cg01736403	0.17130010849646	439	2.2736465928471	0.0242307815870184	0.029343727170899	0.0841973120770282
UCEC	WDR82	cg03869063	0.102686899637691	439	1.34994161361186	0.178818920553584	0.0105445993572013	0.355508282789306
UCEC	WDR82	cg10989431	0.138844551647859	439	1.83338594046648	0.0684838261558578	0.0192778095222951	0.181434095217573
UCEC	WDR82	cg11442381	0.00724677490130054	439	0.0947663667799842	0.924611357590192	5.25157464701194e-05	0.96020846285371
UCEC	WDR82	cg11665333	-0.054392403978379	439	-0.712327479632396	0.477232796228924	0.00295853361054718	0.664920715498037
UCEC	WDR82	cg12661343	0.188786708208104	439	2.51391141404787	0.0128640911801456	0.0356404211960517	0.0519276208628188
UCEC	WDR82	cg13539115	0.0231612193464884	439	0.302953513028692	0.762293521680558	0.000536442081616149	0.867841864168719
UCEC	WDR82	cg15991175	-0.277172688561672	439	-3.77230154435961	0.000222666725101312	0.0768246992845058	0.00189816478390736
UCEC	WDR82	cg17632831	-0.0377561284742181	439	-0.494077731285773	0.621885354894031	0.00142552523736166	0.775989024757792
UCEC	WDR82	cg24007312	0.0494150298847882	439	0.646975754790708	0.518515146745459	0.00244184517851451	0.699330224097022
UCEC	WDR82	cg26236504	0.166291626602567	439	2.20524972268593	0.0287705580180818	0.0276529050781275	0.0956812923417687

UCEC	WDR82	cg26858096	0.010777883115091	439	0.140947296623486	0.888077477518433	0.000116162764442564	0.940510765292198
UCEC	ZMYND1	cg00614684	-0.11638821990444	439	-1.53238788557434	0.127274720593672	0.0135462177325242	0.282061636152583
UCEC	ZMYND1	cg02813021	0.0382749062329046	554	0.506700703034469	0.61300266156663	0.00146496844713764	0.769577306993301
UCEC	ZMYND1	cg02867818	-0.133368979865789	439	-1.7597464934806	0.0802389612855261	0.0177872847904412	0.203485199707174
UCEC	ZMYND1	cg03254875	-0.126428438047016	439	-1.6666399228829	0.0974166223284496	0.0159841499470082	0.233649721517478
UCEC	ZMYND1	cg05236965	-0.100362006934793	439	-1.3190635061053	0.188911510222839	0.0100725324359794	0.368678103090068
UCEC	ZMYND1	cg08828193	-0.151456425510682	439	-2.00366415904891	0.0466850335118275	0.0229390488284727	0.137236075310577
UCEC	ZMYND1	cg12639781	-0.0742419387167433	439	-0.973526004166482	0.331667057435976	0.00551186546442066	0.531391792784252
UCEC	ZMYND1	cg13939078	-0.0263921885521655	439	-0.345242908401127	0.730336070155725	0.000696547616573053	0.847495650950186
UCEC	ZMYND1	cg14255089	0.0574734299946734	554	0.761560846250037	0.447347220435376	0.00330319515535262	0.638959509162758
UCEC	ZMYND1	cg14694828	-0.346906530145405	439	-4.83675545702811	2.92816980354904e-06	0.120344140657525	4.41889508627147e-05
UCEC	ZMYND1	cg17632565	-0.313808547431179	439	-4.32189419146733	2.61912456270175e-05	0.0984758044408662	0.000302887135767534
UCEC	ZMYND1	cg22593633	-0.239573882250366	439	-3.22680562121066	0.00150032789370073	0.0573956450565122	0.00940200645743147
UCEC	ZMYND1	cg24757747	-0.0991791999949248	439	-1.30336244319923	0.194203178593866	0.00983651371163329	0.375499380512283
UCS	ACTL6A	cg03667091	0.0828384930082181	57	0.616465507406231	0.540130668415094	0.0068622159238726	0.715422764351962
UCS	ACTL6A	cg03839554	-0.594153750959164	57	-5.47815501204748	1.10252788222797e-06	0.353018679778844	1.86578320796264e-05
UCS	ACTL6A	cg07261848	-0.556050550262393	57	-4.96154583620077	7.10133237761088e-06	0.30919221444711	9.6631284062246e-05
UCS	ACTL6A	cg10112003	0.130332639965214	57	0.974888208083407	0.333884148398449	0.0169865970403021	0.533482242862901
UCS	ACTL6A	cg20132173	0.0649301084870779	57	0.48255284856344	0.631328350806894	0.00421591898814371	0.782486660336353
UCS	ACTL6A	cg22619386	0.143624670208297	57	1.07630797354972	0.286488174986565	0.020628045892442	0.483817672525884
UCS	ACTL6A	cg25198545	0.257802204052813	57	1.97880028786177	0.0528544464109344	0.0664619764144884	0.150206721856222
UCS	ACTL6A	cg25575835	0.0671407737194389	57	0.499055416848352	0.61973067865964	0.00450788349564489	0.774476591828205
UCS	ACTL6B	cg05729836	0.012678477230301	57	0.0940336616211091	0.925424150634628	0.000160743784879262	0.960728499194821
UCS	ACTL6B	cg08572611	0.131942818639389	57	0.98714441063223	0.327894772420861	0.0174089073905067	0.527407803640985
UCS	ACTL6B	cg09375063	-0.0513221575879995	57	-0.381117563351688	0.704584280782117	0.00263396385948746	0.831410947550534
UCS	ACTL6B	cg14088161	0.048585747460745	57	0.360747584223038	0.719670048840331	0.00236057485631929	0.840933846723816
UCS	ACTL6B	cg16024950	-0.12154966073406	57	-0.908170172668349	0.367750593960345	0.0147743200245651	0.566656559243985
UCS	ACTL6B	cg20497359	0.0526125909073352	57	0.390726573970642	0.697508753246127	0.00276808472198261	0.826595341881637
UCS	ACTL6B	cg24471254	0.0530096064497476	57	0.393683280903292	0.695336993445454	0.00281001837595713	0.825356597874482
UCS	ACTL6B	cg26990587	0.116125518435633	57	0.867076057052033	0.389667568755791	0.0134851360319445	0.587317372104235
UCS	AEBP2	cg02664216	0.105688737633244	57	0.788223288871033	0.4339503392589	0.0111701092625087	0.627509065249766
UCS	AEBP2	cg07849438	-0.53146657393657	57	-4.65300210445138	2.10142094083394e-05	0.282456719211875	0.000249966270139504
UCS	AEBP2	cg08161947	-0.592329984190694	57	-5.45222965505432	1.21195474541931e-06	0.350854810171347	2.02962045238948e-05
UCS	AEBP2	cg24304000	-0.0922949624994681	57	-0.687411833759532	0.4947111905194511	0.00851836010277822	0.679801776141554
UCS	AEBP2	cg26259627	-0.311054396063862	57	-2.42725199136075	0.0185160544701652	0.0967548373106541	0.0685824854283687
UCS	AFF4	cg00931577	-0.106126205354136	57	-0.791522996665342	0.432039268717872	0.0112627714628683	0.625827443825307
UCS	AFF4	cg01907658	-0.518954426485788	57	-4.50241043346445	3.53627676609023e-05	0.269313696769193	0.00039378917082912
UCS	AFF4	cg05619425	0.163276985873544	57	1.22736545060492	0.22491282675431	0.0266593741159495	0.414159117737542
UCS	AFF4	cg06638012	-0.0939867188632007	57	-0.700123292179227	0.486801353369801	0.00883350332267032	0.673188596285669
UCS	AFF4	cg13393914	-0.0397874818126088	57	-0.295305695914901	0.768872320049144	0.00158304370898867	0.87185222756861
UCS	AFF4	cg13565585	-0.199259912374904	57	-1.50799129917687	0.137279877146056	0.0397045126796546	0.297203914768181
UCS	AICDA	cg07999668	0.14315240931827	57	1.07269473390468	0.288092302548371	0.0204926122936255	0.485599041978809
UCS	AIRE	cg08089567	-0.19054549899946	57	-1.43949718300519	0.1556772790194	0.0363075871889531	0.323791092800985
UCS	AIRE	cg09510531	-0.198510122901417	57	-1.50208368475869	0.138795550643606	0.0394062688943355	0.299420864983996
UCS	AIRE	cg11923631	-0.180352093615283	57	-1.35982517955623	0.179433780860321	0.0325268776714159	0.3563027171110749
UCS	AIRE	cg12843033	-0.013452076961768	57	-0.0997723005372542	0.920887885261367	0.000180958374585329	0.958504062643298
UCS	AIRE	cg15955655	-0.141211267967356	57	-1.05785100528768	0.294747527043915	0.0199406222009485	0.492590369693319
UCS	AIRE	cg16501323	-0.273035383536888	57	-2.10486091176003	0.0398860385658171	0.0745483206631357	0.122240986404414
UCS	AIRE	cg16717549	-0.234140827589389	57	-1.78608315630115	0.0795986765033056	0.0548219271442438	0.202302625959106
UCS	AIRE	cg17356252	-0.24525814831532	57	-1.87618594048712	0.0659400248821795	0.0601515593150593	0.176388772975871
UCS	AIRE	cg18689454	-0.233742164898252	57	-1.78286614793955	0.0801271227293296	0.0546353996513218	0.203307546823401
UCS	AIRE	cg18876487	-0.0068359427030508	57	-0.0506978925051906	0.959749931769156	4.67301126393935e-05	0.978965819975216
UCS	AIRE	cg23272544	-0.221071390494979	57	-1.68110380809486	0.0984137671803789	0.0488725596953837	0.2353954188916
UCS	AIRE	cg27251412	-0.20415391945981	57	-1.54661965205985	0.127690189453555	0.0416788228308028	0.282587920981731
UCS	ARID1A	cg04081153	-0.211954722723657	57	-1.60844294295224	0.113464094144264	0.0449248044848625	0.260608967813962
UCS	ARID1A	cg04360147	-0.0116665398283614	57	-0.0865272637580835	0.931361529154545	0.000136108151566744	0.963680928157119
UCS	ARID1A	cg14851949	0.0583429334048038	57	0.433421063770026	0.666404111649124	0.00340389787827737	0.806431283041906

UCS	ARID1A	cg17385674	-0.0418803663387109	57	-0.31086585305446	0.75707772694126	0.00175396508466463	0.864554383354587
UCS	ARID1A	cg20413923	0.0494819559374571	57	0.367418087405565	0.714717238816868	0.00244846396339645	0.83778912208841
UCS	ARID1A	cg21294655	-0.0863297950053435	57	-0.642638111132802	0.523128982783833	0.00745283350566464	0.702629421386145
UCS	ARID1A	cg24542126	-0.0844193085869138	57	-0.62831322650039	0.532399339806031	0.00712661966229257	0.709857422205675
UCS	ARID1A	cg25601319	0.0361008417125687	57	0.267905641405032	0.789774147088237	0.00130327077235594	0.884329696565466
UCS	ARID2	cg00035453	-0.507453316319963	55	-4.28734462600068	7.67798310888111e-05	0.257508868244129	0.000767147467213327
UCS	ARID2	cg01183821	-0.0526052777591311	57	-0.390672112268032	0.697548780403317	0.00276731524811533	0.826595341881637
UCS	ARID2	cg01353809	-0.513703001559295	57	-4.44040228543814	4.37315819132921e-05	0.263890773811029	0.000472507594911478
UCS	ARID2	cg01751433	0.327106401065084	57	2.56710904611727	0.0130052075543076	0.106998597617752	0.0523397370139579
UCS	ARID2	cg06613666	0.314496324510198	57	2.45704062431035	0.0171911989439357	0.0989079381304239	0.0648297120870878
UCS	ARID2	cg07276957	-0.23725977869167	57	-1.81128459727289	0.0755588562204207	0.0562922025848204	0.194914138037981
UCS	ARID2	cg23465749	-0.426298311334818	47	-3.16134301833407	0.00280939098221585	0.181730250246917	0.0156232584223676
UCS	ARID4A	cg02136725	-0.196721764436029	57	-1.48800421343467	0.142461206809524	0.0386994526028245	0.304903354312208
UCS	ARID4A	cg06154646	-0.0118600702196313	57	-0.087962821518144	0.930225723717718	0.000140661265614586	0.963030713708295
UCS	ARID4A	cg08066755	-0.334882204811091	57	-2.63574055871612	0.0108878438702246	0.112146091099138	0.0455675126985289
UCS	ARID4A	cg08790491	-0.39634854406919	57	-3.20161102982291	0.00227219565944737	0.157092168385767	0.0131775152177612
UCS	ARID4A	cg10064886	0.0889148070691309	57	0.662032011076107	0.510715192776123	0.00790584291614077	0.692939527342737
UCS	ARID4A	cg10242170	-0.278887912123585	57	-2.15374065800074	0.0356595130686045	0.0777784675286525	0.112398045446255
UCS	ARID4A	cg10844118	-0.445668220500018	57	-3.69210297951016	0.000512410192337541	0.198620162763652	0.00382630432930569
UCS	ARID4A	cg12203852	0.115242325515396	57	0.860392403561253	0.393307919502433	0.0132807935901965	0.590111551598298
UCS	ARID4A	cg14272338	-0.242905330804822	57	-1.85705288279985	0.0686616463353593	0.0590029997334002	0.181750454762426
UCS	ARID4A	cg14460816	-0.304343107210269	57	-2.36947071202179	0.0213502834765958	0.0926247269064014	0.0765402743215805
UCS	ARID4A	cg17323045	-0.0881479589694314	57	-0.656277390262041	0.514382078104765	0.00777006267047655	0.695915538583365
UCS	ARID4A	cg19548283	-0.282454215719625	57	-2.18365318024061	0.0332712280813026	0.0797803839777883	0.106643547963945
UCS	ARID4A	cg20996579	-0.318143581172378	57	-2.48872370218352	0.0158763956618563	0.101215338241186	0.0609468701760894
UCS	ARID4A	cg26429530	-0.313767471657722	57	-2.45072375475962	0.0174647877363314	0.0984500262704792	0.0656091897995305
UCS	ARID4A	cg27026909	-0.333509143904186	57	-2.62357807914775	0.011238475423085	0.111228349067703	0.0467033096721941
UCS	ARID4B	cg05652840	0.0325432127346932	57	0.241474827170418	0.810085146840556	0.00105906069509549	0.897412345623672
UCS	ARID4B	cg06212607	-0.147625200394699	57	-1.10694618057802	0.273135178184894	0.0217931997915752	0.469429967561764
UCS	ARID4B	cg06891548	-0.497713076200181	57	-4.2556916067857	8.17602550671896e-05	0.247718306220647	0.000808601230955625
UCS	ARID4B	cg07814876	-0.551846469330998	57	-4.9075171468214	8.60142792606929e-06	0.304534525713089	0.000114557609740993
UCS	ARID4B	cg10107779	0.0991583959999865	57	0.739020489162177	0.463036909107656	0.00983238749729013	0.652338747661511
UCS	ARID4B	cg11732257	-0.608777393774918	57	-5.69088635961334	5.05245193629304e-07	0.370609915171382	9.31619923991421e-06
UCS	ARID4B	cg22596515	0.156272058143715	57	1.17336044942431	0.245707720466337	0.0244209561564726	0.4386748823266
UCS	ARID4B	cg23687319	-0.57569072317823	57	-5.22148245884758	2.79948168706434e-06	0.331419808753473	4.25606563149274e-05
UCS	ARID4B	cg26020585	0.115480757132432	57	0.862196554921301	0.39232318187074	0.0133358052678796	0.58935733453775
UCS	ASH1L	cg03119126	-0.155798847586243	57	-1.16971884515607	0.247158257696704	0.0242732809092015	0.440410647865575
UCS	ASH1L	cg08095278	0.167416422035089	57	1.25936779005121	0.213215961633704	0.028028258367031	0.399636730980181
UCS	ASH1L	cg09410084	0.0456708693015833	57	0.339058024815129	0.735857193258508	0.0020858283027623	0.851015757223425
UCS	ASH1L	cg10558228	0.00980347514361779	56	0.072043997513706	0.942833071893827	9.61081248915319e-05	0.969579579035908
UCS	ASH1L	cg17038116	0.617529270654884	57	5.82255656581591	3.10743080553954e-07	0.381342400115553	6.00893542346863e-06
UCS	ASH1L	cg20064047	-0.303269136477602	57	-2.36026072387633	0.0218362878973067	0.0919721691398702	0.07784675143307
UCS	ASH1L	cg21852905	-0.406944961639668	57	-3.30393098148478	0.00168099267724972	0.165604201803911	0.0103196925768596
UCS	ASH1L	cg23821590	-0.203114600379224	57	-1.5384063148095	0.129683091925102	0.0412555408872118	0.285592822454959
UCS	ASH1L	cg24312492	-0.32832402045397	57	-2.57781698096926	0.0126519349914033	0.107796662407059	0.0512627411833974
UCS	ASH1L	cg26185843	-0.404360734661054	57	-3.2788331922451	0.00181082457628842	0.163507603735627	0.0109618930112661
UCS	ASH2L	cg00590869	0.547641744109747	57	4.85401832476991	1.03918747530674e-05	0.299911479891566	0.000135576022993236
UCS	ASH2L	cg01642070	-0.239095101026359	57	-1.82614186236588	0.0732587925601213	0.057166467334805	0.190637046610539
UCS	ASH2L	cg02897270	0.0609148175056291	57	0.452596864187001	0.652619327236753	0.0037106149917441	0.797090274485132
UCS	ASH2L	cg03189282	-0.523800397287035	57	-4.56024958644146	2.89774123384297e-05	0.274366856198055	0.000330731927150206
UCS	ASH2L	cg03705346	0.205847821232752	57	1.5600176141589	0.124491879191915	0.0423733255062709	0.277602581186568
UCS	ASH2L	cg10062221	0.210077801700604	57	1.59353902160668	0.116770651268022	0.0441326827673583	0.265755545162497
UCS	ASH2L	cg21453287	0.485305352766566	57	4.11636358218515	0.000130109559805285	0.235521285423881	0.00120626183952954
UCS	ASH2L	cg24318412	0.0413172785783966	57	0.306679019258627	0.760245765503871	0.00170711750912483	0.866608432459165
UCS	ASH2L	cg27255459	0.188597353169892	57	1.42423399834634	0.160028007020296	0.0355689616226889	0.329783292252066
UCS	ASXL1	cg00174466	-0.243550808769833	57	-1.86229840904364	0.0679062078674315	0.0593169964524399	0.180355796630706
UCS	ASXL1	cg04218270	-0.335339786540334	57	-2.63979798142559	0.0107731130152239	0.112452772436917	0.0451943245204018

UCS	ASXL1	cg09065199	0.242055970506283	57	1.85015448381164	0.0696659156104198	0.0585910928577386	0.183702468951156
UCS	ASXL1	cg10421984	-0.510982334029506	57	-4.40854484444415	4.87522272004394e-05	0.261102945690241	0.000518614899881169
UCS	ASXL1	cg12592359	-0.0697970026495554	57	-0.518893895908613	0.60591641368097	0.00487162157886204	0.764448540988589
UCS	ASXL1	cg16926526	0.450704199055276	57	3.74438395341331	0.000434437894556282	0.203134275046057	0.00332775320688376
UCS	ASXL1	cg18793288	-0.0908586137707111	57	-0.676624165448162	0.501480255827481	0.00825528769633526	0.685289401030127
UCS	ASXL1	cg24727216	0.147451471622608	57	1.10561453084611	0.273706306649591	0.0217419364836728	0.470099978352503
UCS	ASXL2	cg05165989	0.18614523499806	57	1.40504708637106	0.165630478265939	0.0346500485124829	0.337800372960897
UCS	ASXL2	cg05496738	-0.195038317510599	57	-1.47476481427128	0.145977410130624	0.0380399452973652	0.309997713338002
UCS	ASXL2	cg06583696	0.0613711060198091	57	0.4559985554895	0.650185549154089	0.00376641265409465	0.795392720372352
UCS	ASXL2	cg09476286	-0.149368890624159	57	-1.12031757822571	0.267446749336497	0.022311065486292	0.463194096306235
UCS	ASXL2	cg19084174	-0.155483975402247	57	-1.16729619549447	0.248126663392773	0.0241752666068865	0.441468430426709
UCS	ASXL2	cg20667782	0.0325733990248252	57	0.241699051125796	0.809912264398191	0.00106102632403048	0.897331358916113
UCS	ASXL2	cg24738909	-0.0427191048472575	57	-0.317102836825176	0.752366189536055	0.00182492191895098	0.86132437638909
UCS	ASXL3	cg09963640	-0.172751426478218	57	-1.30071452059401	0.198779746082698	0.0298430553502591	0.381466070520436
UCS	ASXL3	cg12361352	0.0233369399336803	55	0.169941769727694	0.865702966323614	0.000544612765468201	0.928686623489054
UCS	ASXL3	cg17880622	-0.0413404524212476	57	-0.306851322348296	0.760115307479594	0.00170903300639343	0.866510510097411
UCS	ASXL3	cg20034091	-0.0309429358401264	57	-0.229588891981795	0.819262931695113	0.000957465278406181	0.902758790196148
UCS	ASXL3	cg20329085	-0.104285131234291	57	-0.777639357352478	0.440113942784827	0.0108753885965534	0.632717167131796
UCS	ASXL3	cg24880056	-0.186955016898953	57	-1.4113802998159	0.163764684916263	0.0349521783436879	0.334943471931218
UCS	ASXL3	cg27109877	-0.0674425036053891	57	-0.501308391018703	0.618154760699941	0.00454849129256293	0.773294926889443
UCS	ATAD2B	cg08192560	-0.318221078267165	57	-2.48939823201329	0.0158494187670274	0.101264654653517	0.060882366361946
UCS	ATAD2B	cg14009731	-0.207188131370952	57	-1.57062920357844	0.122004548054803	0.0429269217809868	0.273787034132078
UCS	ATAD2B	cg15717719	-0.0865200962262796	57	-0.644065383899778	0.522210007185644	0.00748572705100469	0.702061786900544
UCS	ATAD2B	cg16929802	0.16294793294268	57	1.22482439657346	0.225861390942909	0.0265520288502921	0.41526425238733
UCS	ATAD2B	cg17933838	-0.130429110278572	57	-0.975622289465316	0.333523387843009	0.0170117528080598	0.533113859620273
UCS	ATAD2B	cg19614157	0.189261282685703	57	1.42943373370664	0.158535348668127	0.0358198331238378	0.327702907248261
UCS	ATAD2B	cg20806130	-0.323850529297382	57	-2.53854650004133	0.0139917987149628	0.104879165326194	0.0553228965302065
UCS	ATAD2B	cg27610867	-0.33329771431453	57	-2.62170692247901	0.0112933241450085	0.11108736636729	0.0468736519520242
UCS	ATAT1	cg01245721	-0.12670553027949	57	-0.947308311215896	0.347625397092379	0.0160542914034068	0.546901191987634
UCS	ATAT1	cg05093836	-0.218072323212483	57	-1.65715092898598	0.103183196137652	0.0475555381512895	0.243531250882331
UCS	ATAT1	cg06814856	-0.197743875103114	57	-1.49604923111336	0.140357407180981	0.0391026401407959	0.301901252889817
UCS	ATAT1	cg07142893	-0.2205630034559	57	-1.67703992844952	0.0992099765157454	0.0486480384934873	0.236906529346979
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UCS	ATAT1	cg08081524	-0.357571871593743	57	-2.83955969353999	0.0063195998683314	0.127857643355052	0.029889674400253
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UCS	ATAT1	cg08635134	-0.207653501458924	57	-1.57431581907141	0.121149813630896	0.0431199766681513	0.272485503689197
UCS	ATAT1	cg09532691	-0.35423252651199	57	-2.80921564189123	0.00686305274181452	0.125480682839068	0.031911082720502
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UCS	ATAT1	cg13542073	-0.125060276355848	57	-0.93481089646893	0.353972055805851	0.015640072722201	0.55298305395766
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UCS	ATAT1	cg15381130	-0.221170862542651	57	-1.6818991235096	0.0982585612705185	0.0489165504378603	0.235096466613727
UCS	ATAT1	cg15729859	-0.247798105648069	57	-1.89688042288932	0.0630996811808914	0.0614039011627715	0.17081339493081
UCS	ATAT1	cg18298197	-0.00025107317462336	57	-0.0018620085564804	0.998521070331833	6.3037739015452e-08	0.99920181301237
UCS	ATAT1	cg20629923	-0.185419824604159	57	-1.39937625207225	0.167315038144039	0.0343805113562369	0.340060666488278
UCS	ATAT1	cg22759096	-0.357783912048341	57	-2.84149066409626	0.00628640038454395	0.128009327720615	0.029759887513857
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UCS	ATF7IP	cg00236831	0.0766926499129017	57	0.570448008243301	0.570697127108627	0.0058817625506629	0.738678806487007
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UCS	ATF7IP	cg12948116	0.00329519508487114	57	0.0244379534809118	0.980591725483749	1.08583106473589e-05	0.989970446452402
UCS	ATF7IP	cg17439009	0.149688436349816	57	1.12276915294764	0.266412948551137	0.0224066279768529	0.462122382756853
UCS	ATF7IP	cg19789919	-0.0734197208580917	57	-0.545968721164429	0.587295263718161	0.00539045541088011	0.751201048104088
UCS	ATF7IP	cg21275967	0.112405687422646	57	0.838939755175455	0.4051347262583	0.0126350385649575	0.601585243262802
UCS	ATF7IP	cg26637901	0.0820220828071726	52	0.581944564686444	0.563218866052387	0.00672762206802668	0.733195810935247
UCS	ATM	cg01756564	-0.480015482133104	57	-4.05796459952827	0.000157763716003064	0.230414863087476	0.00142115221430551
UCS	ATM	cg01800843	-0.469667423501616	57	-3.94537325749835	0.000227955746294378	0.220587488698646	0.00193788540347775

UCS	ATM	cg01991180	0.0825128651568639	57	0.61402561339706	0.541729980013895	0.0068083729163948	0.716573591195474
UCS	ATM	cg02105423	0.207563879889385	57	1.57360575916565	0.121314064336113	0.0430827642347353	0.272728768956293
UCS	ATM	cg03165700	-0.484984451011157	57	-4.11280421586465	0.000131651431962091	0.235209917722593	0.001218813697258
UCS	ATM	cg03569616	-0.568251537725879	55	-5.02753721094055	6.02680279176959e-06	0.322909810127826	8.38728258287878e-05
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UCS	ATM	cg04826772	0.172231097673855	57	1.29667680313526	0.200156333679623	0.029663551005941	0.383106038339548
UCS	ATM	cg05033322	-0.555663725362766	57	-4.95655173660697	7.22845273161802e-06	0.308762175684027	9.81379147999114e-05
UCS	ATM	cg05637308	-0.0859269135638643	57	-0.639616705150599	0.525077180385381	0.0073834344746118	0.704115528776315
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UCS	ATM	cg06750635	-0.36557337838047	57	-2.91278001985913	0.00516793412702401	0.13364389498051	0.025451650258148
UCS	ATM	cg09808176	-0.490220710203708	57	-4.17115768679048	0.000108468418546477	0.240316344712627	0.00103320584699457
UCS	ATM	cg10610482	-0.494169915760443	57	-4.21556049349525	9.35300825905047e-05	0.244203905642684	0.000909623608581788
UCS	ATM	cg10976287	-0.518447297657333	57	-4.49639220440417	3.61011576705478e-05	0.268787600448191	0.000400692461096105
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UCS	ATM	cg12019961	-0.495676096811004	44	-3.69869967036846	0.000623182186864565	0.245694792949791	0.00451815797250159
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UCS	ATM	cg12848864	-0.40224321738279	57	-3.25833808119062	0.00192380993421838	0.161799605930458	0.0115230112428845
UCS	ATM	cg14761454	-0.0208824890934683	55	-0.152059974008827	0.879717010654252	0.000436078350738823	0.936206636482037
UCS	ATM	cg15370815	0.324794018249563	57	2.54681293628385	0.0136995038969128	0.105491154290698	0.0544578030739109
UCS	ATM	cg15504467	-0.382572004534522	57	-3.07084215106116	0.00331419758641433	0.146361338653562	0.017830595032058
UCS	ATM	cg16693212	-0.398919822058637	57	-3.22629701448429	0.00211385675041892	0.159137024431295	0.0124231602358608
UCS	ATM	cg16788234	0.227480102998164	57	1.73245791484599	0.0887968891052968	0.0517471972600551	0.218814936537613
UCS	ATM	cg17114932	-0.499410669181515	57	-4.2750191841679	7.66177085500823e-05	0.249411016492329	0.000765822692913414
UCS	ATM	cg17420659	-0.540592696285703	57	-4.76550197192724	1.41876240068589e-05	0.292240463277446	0.000177588418662845
UCS	ATM	cg18042593	-0.545424139192149	57	-4.82601501696724	1.14699555710697e-05	0.297487491613496	0.000147608556442646
UCS	ATM	cg18391757	-0.429201252524437	57	-3.5241478936551	0.000863952884976062	0.184213715168546	0.00594203436776835
UCS	ATM	cg18457775	-0.438273013377303	57	-3.61611941943511	0.000650003194955529	0.192083234254821	0.00468423793870963
UCS	ATM	cg19288979	0.273034181167933	57	2.10485089590001	0.039886947565232	0.0745476640860439	0.122240986404414
UCS	ATM	cg20342375	-0.339497318224152	57	-2.67676025944674	0.00977767971023756	0.115258429081391	0.0418580682026316
UCS	ATM	cg22477592	-0.333445159157183	57	-2.62301176570369	0.0112550499205198	0.111185674165359	0.0467621957656974
UCS	ATM	cg22678707	-0.256710445747863	57	-1.96982778189399	0.0539021564952715	0.0659002529560665	0.152426912482485
UCS	ATM	cg22837512	-0.426420757884317	57	-3.49622315239978	0.000941209397429603	0.181834662754635	0.00638309161046452
UCS	ATM	cg23275463	-0.458838720053741	57	-3.82978510608454	0.000330957878878159	0.210532971020556	0.00265127558742123
UCS	ATM	cg23389069	-0.144028424374677	57	-1.07939766760551	0.285121404441338	0.0207441870278522	0.482326190817176
UCS	ATM	cg24030675	-0.338394982527811	57	-2.6669428836765	0.0100335190845058	0.114511164199997	0.0427392861884708
UCS	ATM	cg24568245	-0.529161436125022	57	-4.62494795019653	2.31648362164488e-05	0.280011825481896	0.000272465265893925
UCS	ATM	cg25400013	-0.366408677601057	57	-2.92046616573313	0.00505906844749673	0.134255319021355	0.0250200362876389
UCS	ATM	cg25740661	0.210958379374695	57	1.60052904885733	0.115210297564173	0.0445034378283977	0.263205388485471
UCS	ATM	cg25918541	-0.455654425882236	57	-3.7962119076785	0.000368447230200557	0.20762095582607	0.002901699111786
UCS	ATM	cg27453365	-0.17169356756835	57	-1.29250677931209	0.201585522759477	0.0294786811443475	0.384904011917404
UCS	ATM	cg27599391	-0.565174085796598	57	-5.08071169400098	4.64267516126123e-06	0.31942174725602	6.66984804238515e-05
UCS	ATR	cg00911981	0.151832140168611	57	1.13922512989989	0.25954677422308	0.0230529987881808	0.454448873570084
UCS	ATR	cg00969988	-0.383195193917364	57	-3.07670450944344	0.00325920326869778	0.146838556641366	0.0176049478603718
UCS	ATR	cg11458642	0.206003478470083	57	1.56124952170024	0.124201054108918	0.042437433141774	0.277224250519301
UCS	ATR	cg11936145	-0.207223722867662	57	-1.57091111648932	0.12193901654493	0.0429416713191335	0.273690820920262
UCS	ATR	cg15135999	-0.140134145133309	57	-1.04961972928456	0.298483326864578	0.0196375786322434	0.496653967551297
UCS	ATR	cg15291273	-0.327930048438704	57	-2.5743507574992	0.0127653246496927	0.107538116669011	0.0516261539455883
UCS	ATR	cg15480357	0.0768082542317546	57	0.571312984437468	0.570114853763169	0.00589950791812985	0.738207638709254
UCS	ATR	cg16031872	0.0202783240595376	57	0.150419006323086	0.880984344906088	0.000411210426663622	0.936887651408261
UCS	ATR	cg17945282	0.00180300290109181	57	0.0133714491214073	0.989379831587373	3.25081946134548e-06	0.994343900674406
UCS	ATR	cg20032934	-0.375294687225312	57	-3.00274379956119	0.00401990678991567	0.140846102259545	0.0208205478571704
UCS	ATR	cg20636078	0.180638088976266	57	1.36205421370315	0.178733416990725	0.0326301191889975	0.355374621514504
UCS	ATR	cg24631870	-0.270094552199243	57	-2.0803951859861	0.0421609971616916	0.0729510671277094	0.127255087033314
UCS	ATR	cg24856922	0.131067300755265	57	0.980479248424438	0.331142973513718	0.0171786373272712	0.530814046311145
UCS	AURKB	cg02245743	0.190230776668504	57	1.43703023082721	0.156374161598515	0.0361877483919022	0.324780316301657
UCS	AURKB	cg04612488	0.0444256138844008	57	0.329794778501702	0.742807844542198	0.00197363516900587	0.855455121514667

UCS	AURKB	cg05617798	0.128698583720206	57	0.962458278482569	0.340032016812386	0.0165633254515869	0.539262648887993
UCS	AURKB	cg05811247	-0.111533897860522	57	-0.832350869664795	0.408810579476574	0.0124398103719613	0.604759822180622
UCS	AURKB	cg11009596	0.150165208637379	57	1.1264276489689	0.264875462452184	0.0225495898851075	0.460483807525504
UCS	AURKB	cg12844497	0.305445264662127	57	2.37893277360408	0.0208610780397602	0.0932968097045168	0.0752165600157106
UCS	AURKB	cg13678641	0.0387088561107949	57	0.287287873372744	0.774971551838544	0.00149837554140622	0.875288726497978
UCS	AURKB	cg21724796	0.0790711873515856	57	0.58824944549615	0.558772813600669	0.00625225266918955	0.72976101133194
UCS	BAP1	cg00794529	-0.380272808675883	57	-3.04925591539352	0.00352426903655769	0.144607409018245	0.0187413347070865
UCS	BAP1	cg02503646	-0.142763641895128	57	-1.06972085925317	0.289417239563037	0.0203814574471602	0.486918784127039
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UCS	BAP1	cg16841708	-0.170519468242269	57	-1.28340254161024	0.204732356317671	0.0290768890496263	0.388851046570549
UCS	BAP1	cg24291822	-0.327116182764484	57	-2.56719501074365	0.0130023360976892	0.107004997026407	0.0523308880119838
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UCS	BAZ1A	cg05294307	-0.301125403897897	55	-2.29893199747403	0.025480110819139	0.0906765088726717	0.087437130174861
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UCS	BRD8	cg11110536	-0.052158635039867	57	-0.387346041062723	0.699994943927201	0.00272052320922204	0.828143540785217
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UCS	BRDT	cg06442199	-0.444859553253115	57	-3.68374885561255	0.000526050260063115	0.197900022120561	0.00391347964052171
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UCS	BRDT	cg13299824	-0.623812131692453	57	-5.91922539373163	2.17190668603357e-07	0.389141575646682	4.35691873989933e-06
UCS	BRDT	cg14732540	-0.573575304834042	57	-5.19286281871592	3.10370424330406e-06	0.328988630315464	4.65767012669597e-05
UCS	BRDT	cg19245011	-0.287602237663626	57	-2.22700642890161	0.0300595917571588	0.0827150471091247	0.0988400135743866
UCS	BRPF1	cg04879506	-0.080031857118618	57	-0.595442133679217	0.553990294571154	0.00640509815385488	0.725809575530809
UCS	BRPF1	cg13694772	0.207320863552558	57	1.57168058100984	0.121760296069122	0.0429819404641782	0.273424849433358
UCS	BRPF1	cg14712964	0.0295424957772705	57	0.219188682821302	0.827314475506731	0.000872759056750048	0.907284687220207
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UCS	BRPF1	cg25467642	-0.062820506556849	57	-0.46681137220422	0.642478789844389	0.0039464160440591	0.790041715123852
UCS	BRPF1	cg26227975	-0.0681705299433475	57	-0.506745030330627	0.614359358254803	0.00464722115275684	0.770659574143108
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UCS	BRPF3	cg05882415	-0.0203563423675665	57	-0.150997964029926	0.880529783850695	0.000414380674585584	0.93664876327897
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UCS	BRPF3	cg14654948	-0.320566189632401	57	-2.50983629581832	0.0150514159150322	0.102762681935436	0.058536711977904
UCS	BRPF3	cg18779695	0.14394771961656	57	1.07878003741527	0.285394259099936	0.0207209459828077	0.482640833730145
UCS	BRPF3	cg23517469	0.11275446734104	57	0.841576342401299	0.403669512820287	0.0127135699053617	0.600142683949497
UCS	BRWD3	cg03164831	-0.0382277480437788	57	-0.283711945745483	0.777696425826125	0.00146136072049864	0.87704206533179
UCS	BRWD3	cg05835545	-0.106662866045923	57	-0.795571526934378	0.429701363902809	0.0113769669931305	0.623753319589774
UCS	BRWD3	cg09523186	-0.0911293613963358	57	-0.678657282281368	0.500200805118088	0.00830456050850397	0.684153901108648
UCS	BRWD3	cg11957438	-0.0569546774271224	53	-0.407399056959999	0.685419955623788	0.00324383528082756	0.818970941017955
UCS	BRWD3	cg15511898	-0.0174845724627495	57	-0.129688884973352	0.89728571701647	0.000305710274205137	0.945641122108747
UCS	BRWD3	cg22618269	-0.0925050133053429	57	-0.688989777190843	0.493726101280223	0.00855717748662166	0.679022864368314
UCS	BRWD3	cg25063710	-0.0532626110235208	57	-0.395567587778334	0.693954270013734	0.00283690573304288	0.824515954518223
UCS	BRWD3	cg25708850	-0.0750932884649664	51	-0.527141396147515	0.600474045649978	0.00563900197248266	0.760567217103736
UCS	CARM1	cg12317676	0.371683166264726	57	2.96918996926502	0.00441702695454695	0.138148376084572	0.0224719243281685
UCS	CARM1	cg17918830	-0.607334940396592	57	-5.66950692279248	5.4662177392708e-07	0.368855729826532	1.00174073688771e-05
UCS	CARM1	cg22378614	-0.514221120496219	57	-4.44648970340502	4.28312766624832e-05	0.264423360764388	0.000464457253510066
UCS	CARM1	cg26504915	-0.408361239794954	57	-3.31772600741047	0.00161342813973987	0.166758902166872	0.00998528470190323
UCS	CBX1	cg01544580	-0.0628638687287656	57	-0.467134869086864	0.64224879473037	0.00395186599154748	0.789967946894784
UCS	CBX1	cg01553295	0.329381862856472	57	2.58713150153067	0.0123517548852827	0.1084924115788	0.0502900727244298
UCS	CBX1	cg02835499	-0.0304788091999842	57	-0.22614196125331	0.821929323773663	0.000928957810249039	0.904386593830712
UCS	CBX1	cg04864609	-0.244235338923649	57	-1.86786417019522	0.0671123419734203	0.0596509007791498	0.178768619465169
UCS	CBX1	cg11729481	-0.0275860030192578	57	-0.204661160976061	0.838592372370993	0.0007609875625785	0.913651457448973

UCS	CBX1	cg12245530	0.164930115187991	57	1.24013784157027	0.220189218362492	0.0272019428959241	0.408350470487567
UCS	CBX1	cg13342109	-0.0249222464544149	57	-0.184885753337586	0.853998727312512	0.00062111836834594	0.922119963253842
UCS	CBX1	cg17778721	0.415834787648459	57	3.39100186303442	0.00129553474404288	0.172918570618639	0.00832382143029994
UCS	CBX1	cg21511817	0.138067460701689	57	1.03383692826124	0.305736947750333	0.0190626237046123	0.504283229756035
UCS	CBX4	cg04398978	0.0343662166086146	57	0.25501732053579	0.799660917468079	0.00118103684399022	0.890577652092404
UCS	CBX4	cg04925705	0.201559976858873	57	1.52613083900294	0.132707804454486	0.0406264242713494	0.290232800307336
UCS	CBX4	cg05949524	-0.135842373376535	57	-1.01685982405129	0.313672508995364	0.01845315040457	0.512740626689612
UCS	CBX4	cg07159673	0.0029392062376151	57	0.0217978310078707	0.982688114564434	8.63893330723551e-06	0.99103708390256
UCS	CBX4	cg10756274	0.114837704372444	57	0.857331083082667	0.394982358272912	0.0131876983455329	0.59160371327798
UCS	CBX4	cg21365914	-0.13135060484162	57	-0.982635735862038	0.330089698458478	0.0172529813922593	0.529813443960527
UCS	CBX4	cg22353329	-0.06682895701494	57	-0.496727270344722	0.621361066288132	0.00446610949570469	0.775644460699918
UCS	CBX4	cg27487227	-0.1080533775881	57	-0.806064730034469	0.423677110961311	0.0116755324450881	0.618702830194553
UCS	CBX5	cg03689456	-0.438531234690697	57	-3.61875705495066	0.000644685255589403	0.192309643799347	0.00464979091167458
UCS	CBX5	cg05754589	-0.309816737420227	57	-2.41656644881951	0.0190132239451407	0.095986410785714	0.0699642752749765
UCS	CBX5	cg06399839	-0.384224566706449	57	-3.08639863819195	0.00317013336439504	0.147628517660758	0.0172266942546625
UCS	CBX5	cg06621757	-0.162098715122346	57	-1.21826839731224	0.228322258864488	0.0262759934443156	0.41823313786055
UCS	CBX5	cg08288469	0.187130905534661	57	1.41275629868803	0.163361469503882	0.0350179758062224	0.334364927346479
UCS	CBX5	cg09060496	-0.340108221539015	57	-2.68220631428991	0.00963834532553364	0.115673602358432	0.0414005541524247
UCS	CBX5	cg09158487	-0.54377614419288	57	-4.80529813252767	1.2337350222342e-05	0.295692494993276	0.000157494555824888
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UCS	CBX5	cg14394617	0.074260069887418	57	0.552252236520804	0.583012884006479	0.00551455797968421	0.748064316645755
UCS	CBX5	cg15708001	-0.511660217828301	57	-4.41646559527458	4.74538857873266e-05	0.261796178508104	0.00050674889859044
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UCS	CBX5	cg21826008	0.041233830450397	57	0.306058566481498	0.760715594807531	0.00170022877361209	0.866859496396774
UCS	CBX5	cg24505978	-0.223853452796208	57	-1.70336833108606	0.0941441865172981	0.0501103683287841	0.228093458093578
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UCS	CECR2	cg03927893	-0.184001998570285	57	-1.38829934794916	0.170643614180259	0.0338567354778593	0.344502240139593
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UCS	CHAF1A	cg03006338	0.000959427722981853	57	0.00711530970248323	0.994348598256814	9.20501555626143e-07	0.997058888261977
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UCS	CHAF1A	cg07783855	0.372566353418953	57	2.9773809091654	0.00431684699720101	0.138805687699896	0.0220673898188073
UCS	CHAF1A	cg09700233	0.115726599088638	57	0.864056936598639	0.391309363022248	0.0133926457366224	0.588442794737253
UCS	CHAF1A	cg18804734	0.0290493030145547	57	0.215526353510916	0.830154239525419	0.000843862005631417	0.908798217185563
UCS	CHAF1A	cg23811775	0.175534990990578	57	1.32233395932843	0.191529756278244	0.0308125330620623	0.371985976135085
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UCS	CHAF1B	cg02544117	0.0594275751590861	57	0.441507003705853	0.660576950604004	0.00353163668928883	0.802525584771963
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UCS	CLOCK	cg05960024	-0.162875675210325	57	-1.22426645505739	0.226070060306084	0.0265284855752192	0.41548097690594
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UCS	CLOCK	cg07236904	-0.20341230555452	57	-1.54075840807105	0.1291098555195	0.0413765660510055	0.284772307612399
UCS	CLOCK	cg07500410	-0.171061284538853	57	-1.28760320817932	0.203275885365801	0.0292619630680823	0.387122607724603
UCS	CLOCK	cg11774413	-0.218693574527986	57	-1.66210864832549	0.102180826118715	0.0478268795398277	0.241899369680756
UCS	CLOCK	cg18928811	0.0185303150316763	57	0.137448094282438	0.891178565959638	0.00034337257517317	0.942418343236566
UCS	CLOCK	cg22523077	-0.0298691746193676	57	-0.22161460836822	0.825434690916349	0.000892167592442274	0.906186347850947
UCS	CLOCK	cg23506964	-0.287278806036655	57	-2.22427656248487	0.0302534392372696	0.0825291123978461	0.0993053186508081
UCS	CREBBP	cg00039463	0.0116077269927129	57	0.0860910074795178	0.931706721299337	0.000134739325937355	0.963743121433367
UCS	CREBBP	cg00747661	0.291445889544228	57	2.25951204721148	0.0278342996667132	0.0849407065322265	0.0933658808327132
UCS	CREBBP	cg03039399	-0.321076449497824	57	-2.51429009475193	0.0148824164764702	0.103090086422129	0.0580210333641976
UCS	CREBBP	cg03264209	-0.0345588341171084	57	-0.256448358853026	0.798561490356464	0.00119431301553382	0.889993017116855
UCS	CREBBP	cg08506924	-0.0222378628784207	57	-0.164961198595052	0.869579335652368	0.000494522545399441	0.930829787929003
UCS	CREBBP	cg24567591	-0.0357549606646925	57	-0.26533554419209	0.791742979660085	0.00127841721213371	0.885743814312702
UCS	CTCF	cg01866162	-0.448576388957985	57	-3.72224002924626	0.000465964526985765	0.201220776730586	0.0035351320862425
UCS	CTCF	cg04487155	-0.281867193929883	57	-2.17872279267345	0.0336549350682197	0.079449115013906	0.10752164347832
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UCS	CTCF	cg07967402	-0.14617826213681	57	-1.09585842687686	0.277916162638678	0.0213680843213378	0.47476597266227
UCS	CTCF	cg08324636	-0.209917229435277	57	-1.59226483663825	0.117056911364963	0.0440652432137827	0.266196771689495

UCS	CTCF	cg10218542	-0.394459351990832	57	-3.18353054708824	0.00239517639653464	0.155598180373027	0.0137513175344661
UCS	CTCF	cg10481400	-0.0439949656677591	57	-0.326591619263404	0.745216381976048	0.0019355570041073	0.856922283113013
UCS	CTCF	cg23858565	-0.249130926476459	57	-1.90775631050529	0.0616490587466154	0.0620662185270188	0.167948132656331
UCS	CXXC1	cg02159718	-0.341036777523708	57	-2.69049152360144	0.00942985738989458	0.116306083623755	0.0406914979914277
UCS	CXXC1	cg07675399	0.114613455806867	57	0.855634628655178	0.395912165668688	0.0131362442519926	0.59261892973197
UCS	CXXC1	cg11871295	0.279938172135896	57	2.16253964166068	0.0349418458349698	0.0783653802187867	0.110714644627144
UCS	CXXC1	cg13423076	-0.234514829822382	57	-1.78910203369528	0.0791054270866346	0.054997205406621	0.201385155925704
UCS	CXXC1	cg15632775	0.210294460076047	57	1.59525847908254	0.116385251397254	0.0442237599386763	0.265033494736783
UCS	CXXC1	cg20016845	-0.166243730894298	57	-1.25029474059589	0.216485402551288	0.0276369780616558	0.403741409298658
UCS	CXXC1	cg27419474	0.35371865018258	57	2.80455709639778	0.00695020760392837	0.125116883486987	0.0322334833873855
UCS	DAXX	cg00221327	-0.0752947120708681	57	-0.5599901603036	0.577759937205781	0.00566929366583492	0.744217249312622
UCS	DAXX	cg02173004	-0.282298594711707	57	-2.18234586227836	0.0333725934970694	0.0796924965762045	0.106856582915337
UCS	DAXX	cg02328295	0.18743806316997	57	1.41515956916494	0.16265907283256	0.0351330275249096	0.333295577936473
UCS	DAXX	cg03085224	-0.0444390296513761	57	-0.329894567857442	0.742732851761449	0.00197482735635588	0.855381418968899
UCS	DAXX	cg03369465	-0.065632460780985	57	-0.487795108166974	0.627633892015471	0.00430761990816753	0.779938640598319
UCS	DAXX	cg03382121	-0.0584180724871106	57	-0.433981171184628	0.665999795515164	0.00341267119310931	0.806167736545508
UCS	DAXX	cg03902329	0.33229683180115	57	2.61285512063122	0.0115561190244202	0.110421184425082	0.0477385096325209
UCS	DAXX	cg04086445	-0.377621760323414	57	-3.0244482657819	0.00378103765766848	0.142598193869754	0.0198449631318757
UCS	DAXX	cg04152866	-0.170007223300723	57	-1.27943224253591	0.206116107609147	0.0289024559744218	0.390545592559577
UCS	DAXX	cg04271391	-0.130582000747568	57	-0.976785752234614	0.332952139521173	0.0170516589192378	0.532594714327927
UCS	DAXX	cg04488476	-0.407307295813592	57	-3.30745751204101	0.00166347064038978	0.165899233222981	0.0102315018183493
UCS	DAXX	cg04973788	-0.205972560350721	57	-1.56100481867358	0.12425877949072	0.0424246956174314	0.277305358492817
UCS	DAXX	cg05431670	-0.0153720569444136	57	-0.114015697212905	0.909640542351739	0.000236300134702294	0.952019700417204
UCS	DAXX	cg05532204	0.0944325066970066	57	0.703473850780393	0.484727998048815	0.00891749832108019	0.671431392760398
UCS	DAXX	cg06171013	0.00404045610781969	57	0.0299650690691418	0.976203383177368	1.63252855592174e-05	0.987422964433455
UCS	DAXX	cg07689821	-0.0176496173358582	57	-0.130913457331774	0.896321450105628	0.000311508992102226	0.945047380690908
UCS	DAXX	cg08375286	0.0127663095149983	57	0.0946852014588929	0.9249089947514	0.000162978658632735	0.960427811280356
UCS	DAXX	cg08567382	-0.262502298175474	57	-2.01752084419114	0.0485313205806685	0.0689074565474052	0.141122324720686
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UCS	DAXX	cg09432361	0.0504609414708894	57	0.374705719691161	0.709320295993433	0.00254630661412853	0.834379639920664
UCS	DAXX	cg09615909	-0.384382378676181	57	-3.08788602617898	0.00315667057850351	0.147749813036759	0.0171703279949729
UCS	DAXX	cg11111423	-0.17076679206867	57	-1.28531987817558	0.204066605711688	0.0291612972734242	0.388079241321413
UCS	DAXX	cg12025215	-0.0164553658072683	57	-0.122052784792657	0.903302083080226	0.000270779063851015	0.948758505509675
UCS	DAXX	cg12832355	-0.298027146949292	57	-2.31544848817483	0.0243449012259597	0.088820180318735	0.0845070387743657
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UCS	DAXX	cg13826470	-0.0910963511100966	57	-0.678409391038436	0.500356709033236	0.00829854518557399	0.684258865494701
UCS	DAXX	cg14539675	0.410602184549935	57	3.33961238848147	0.0015114771636629	0.168594153957179	0.00945968258004758
UCS	DAXX	cg14622330	-0.0703910760482133	57	-0.523332332356576	0.602845248485957	0.00495490358722535	0.762056893139801
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UCS	DAXX	cg14910283	-0.490108018711483	57	-4.16989563861027	0.00010892513261977	0.240205870005296	0.00103704831318351
UCS	DAXX	cg16922466	-0.0164744817399672	57	-0.122194610011804	0.903190288035439	0.000271408548600511	0.948758505509675
UCS	DAXX	cg17079757	0.0305678840905025	57	0.226803482590937	0.821417435383263	0.000934395537770398	0.904155330515575
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UCS	DAXX	cg18967278	0.0997626641906676	57	0.743569191371647	0.460301889225197	0.00995258916641991	0.650110295208601
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UCS	DMAP1	cg18017761	0.0743543222043021	57	0.552957059932394	0.582533463233544	0.00552856523046117	0.74768085727211
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UCS	DMAP1	cg23021241	0.0423663117672007	57	0.31447933415557	0.754346890665042	0.00179490437275565	0.862728598703287
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UCS	DNMT1	cg11380607	0.382872797209697	57	3.07367110149605	0.00328755191582527	0.146591578843178	0.0177137978764172
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UCS	DNMT3A	cg02208653	0.140145294464936	57	1.04970491195141	0.298444500715373	0.0196407035606635	0.496635040078969
UCS	DNMT3A	cg03463641	0.24903900231733	57	1.90700583445064	0.0617482379992239	0.0620204246752109	0.168112354829972
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UCS	DNMT3A	cg07150430	0.117456606148965	57	0.877153144940315	0.384218888585755	0.013796054328033	0.582365790913594
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UCS	DNMT3B	cg16953106	-0.312415205919715	57	-2.43901656479311	0.0179822246981714	0.0976032608898578	0.0670939658594505
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UCS	DNMT3B	cg22605822	-0.351735714519136	57	-2.7866079414686	0.00729564472859667	0.123718012868287	0.0334565778128065
UCS	DNMT3B	cg24403338	0.161055383301949	57	1.21021763331602	0.231370972137488	0.0259388364905376	0.421874449934695

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UCS	DNMT3L	cg15635600	-0.0739245017781115	57	-0.549742962546655	0.584721224752193	0.00546483196314201	0.74928844564756
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UCS	DPF1	cg06168449	-0.448676299842152	57	-3.7232780130151	0.000464438986459924	0.201310422040045	0.00352487126281429
UCS	DPF1	cg06615189	0.265136973503369	57	2.03929317947161	0.0462371173161721	0.0702976147185264	0.136259091163868
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UCS	DPF1	cg22145401	-0.453354702502068	57	-3.77207962166837	0.000397878980547738	0.205530486280739	0.00309156388483696
UCS	DPF1	cg27400772	-0.595524911883533	22	-3.31525735683942	0.00345326941675411	0.35464992067389	0.0184388600868522
UCS	DPF2	cg02186298	0.199218847388484	57	1.50766767560582	0.13736256595319	0.0396881491547961	0.297295333178346
UCS	DPF2	cg14699126	-0.242005194297762	57	-1.84974222907457	0.0697263220169029	0.0585665140670976	0.183836829627294
UCS	DPF2	cg15918224	-0.279892154984347	57	-2.16215393796297	0.0349730372956315	0.0783396184217816	0.110781891093952
UCS	DPF2	cg15929437	-0.0229309013500183	57	-0.170104844575533	0.8655518617837	0.000525826236724272	0.928626969184955
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UCS	DPF3	cg00888802	-0.137281749863098	57	-1.0278402566539	0.308524192091198	0.0188462788454743	0.507106290954789
UCS	DPF3	cg05151458	-0.128155878464658	57	-0.958331800108168	0.342089363688106	0.0164239291850481	0.541278524971577
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UCS	DPF3	cg13819165	-0.0536325466029321	57	-0.398322901499016	0.69193427712822	0.00287645005511569	0.823111902614163
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UCS	DPF3	cg14242696	-0.288377798691351	57	-2.23355579857924	0.0295989873871721	0.0831617547780691	0.0976888390309136
UCS	DPF3	cg15392845	0.0107832424608982	57	0.0799753162572985	0.936547182268306	0.000116278317970518	0.966167851282746
UCS	DPF3	cg15740492	-0.24563923003426	57	-1.87928819585461	0.0655074579936949	0.0603386313318242	0.175572272287945
UCS	DPF3	cg16696021	-0.106421907784011	57	-0.793753668089995	0.43075018754441	0.0113256224563885	0.624739551993546
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UCS	DPF3	cg21035356	-0.239536445379017	57	-1.82971771284557	0.0727140833417713	0.057377708664815	0.189549287923123
UCS	DPF3	cg22784589	-0.13110594366062	57	-0.980773380638321	0.330999181593755	0.0171887684631417	0.530675207611857
UCS	DPF3	cg23515460	-0.189862594391671	57	-1.43414481603571	0.157192336365923	0.036047804749136	0.325879296875433
UCS	DPF3	cg24383902	-0.114580690351122	57	-0.855386767037105	0.396048129448274	0.0131287346013398	0.592749300971841
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UCS	FBXL19	cg00026853	-0.328344409155813	57	-2.57799640476591	0.0126460905564536	0.10781005102388	0.0512470682267413
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UCS	FBXL19	cg03181514	0.295728406155291	57	2.29587009684619	0.0255192603463569	0.087455290207149	0.0875186319829829
UCS	FBXL19	cg03627896	0.320541029800102	57	2.50961675148182	0.0150597912628657	0.10274655178531	0.05854974891523

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UCS	FBXW9	cg02753619	-0.0833109730585624	57	-0.620006102687218	0.53781418896915	0.00694071823196451	0.713609787454818
UCS	FBXW9	cg03160342	0.0865425038594822	57	0.644233447422645	0.522101852555299	0.00748960497426849	0.701972624432675
UCS	FBXW9	cg05868316	0.0630096875070439	57	0.468222747378646	0.641475609492091	0.00397022071973533	0.789392192947894
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UCS	FBXW9	cg14342428	-0.0755161603685864	57	-0.561646572230463	0.576638450355438	0.00570269047681406	0.743277245653919
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UCS	FKBP1A	cg04613791	0.374747210014991	57	2.99764714426349	0.00407800295913105	0.14043547141402	0.02106954653667
UCS	FKBP1A	cg07516946	0.189089845728674	57	1.42809088653556	0.158919791049431	0.0357549697576936	0.328234175252724
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UCS	FKBP2	cg12423493	-0.158742944453941	57	-1.19238873697326	0.238228037227211	0.0251993224139071	0.429853688547888
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UCS	FKBP2	cg24677501	0.215141823713262	57	1.63379330669775	0.108014303679276	0.0462860043106685	0.25171843330015
UCS	FKBP5	cg00130530	-0.0358691460864372	57	-0.266183997638377	0.791092867113786	0.00128659564097017	0.885322071874009
UCS	FKBP5	cg00140191	-0.214937926794382	57	-1.63216987201021	0.108356809947423	0.0461983123746672	0.252288888698747
UCS	FKBP5	cg00610228	0.289076862565201	57	2.2394632819241	0.0291888863071541	0.0835654324705401	0.0967622713333085
UCS	FKBP5	cg01294490	-0.221799994037661	57	-1.68693053973328	0.0972813285782745	0.0491952373551065	0.233433179377492
UCS	FKBP5	cg07485685	-0.268766531545453	57	-2.06936759538052	0.0432227533526825	0.0722354484789728	0.129629934628111
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UCS	FKBP5	cg08636224	-0.193510043646785	57	-1.46275750485085	0.149225073829616	0.0374461369921806	0.314670264379842
UCS	FKBP5	cg08915438	-0.170956322159269	57	-1.28678934782072	0.203557463033362	0.0292260640862237	0.387395094532803
UCS	FKBP5	cg10913456	-0.310379652542318	57	-2.42142478535907	0.0187857106479007	0.0963355287122903	0.0693731877975311
UCS	FKBP5	cg16012111	0.129047363153927	57	0.96511069897757	0.338713905056146	0.0166532219369814	0.538067469575962
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UCS	FKBP5	cg20813374	-0.0311055393240567	57	-0.23079653481807	0.81832925896323	0.000967554576640436	0.902303290696283
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UCS	FMR1	cg02921434	-0.0379323725421886	57	-0.281516608947717	0.779370678183633	0.00143886488667939	0.878026480219796
UCS	FMR1	cg03513471	0.00893416062433402	57	0.0662601529754912	0.947410980160746	7.98192260614005e-05	0.971983246866634
UCS	FMR1	cg04552106	-0.0350389138059921	57	-0.260015202222574	0.795822973561043	0.00122772548070374	0.888198838972216
UCS	FMR1	cg04744025	-0.0710584140682151	57	-0.528318810497655	0.599403480223161	0.00504929820988991	0.759652777125417

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UCS	FMR1	cg07147350	-0.307096724352639	57	-2.39313037128571	0.0201458559812619	0.094308398108121	0.0732451614808752
UCS	FMR1	cg08434396	-0.071477206430253	57	-0.531448471341898	0.59724800641547	0.005108991039073	0.758160154326218
UCS	FMR1	cg14470409	-0.216959722884742	57	-1.64827741969429	0.104997321171311	0.0470715213542239	0.2466446316276
UCS	FMR1	cg16783314	-0.127171602384935	57	-0.950850053038782	0.345840372341904	0.0161726164531521	0.545085010048343
UCS	FMR1	cg22625568	-0.202667828170547	50	-1.43388044335008	0.15808901130193	0.0410742485753665	0.327119282509372
UCS	FXR2	cg01807919	0.296960172220667	57	2.30635558974604	0.0248841968159574	0.0881853438853284	0.0858999470669414
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UCS	G2E3	cg02259031	0.120494853393333	57	0.900172449197607	0.371953128950261	0.0145190096942808	0.570623000129299
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UCS	G2E3	cg09837748	-0.447809013626966	57	-3.71427351061094	0.000477833938894	0.200532912685557	0.00360420478096485
UCS	G2E3	cg18580322	-0.249443289293068	57	-1.91030687602274	0.0613130005244892	0.0622219545733452	0.167240301765591
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UCS	GADD45	cg01810953	-0.052258282900709	57	-0.388088081204175	0.69944893118597	0.00273092813173053	0.827686377643804
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UCS	GADD45	cg07000785	0.0262232429444193	57	0.194543675957764	0.846467024351003	0.000687658470522037	0.917962719625872
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UCS	GADD45	cg23723105	-0.179670382932199	57	-1.35451339551923	0.181111193974645	0.0322814465030031	0.358348820986804
UCS	GATAD2A	cg02887458	0.12254612789685	57	0.915728419410315	0.363807028578964	0.0150175534625112	0.562753598609559
UCS	GATAD2A	cg08505228	0.125763499309203	57	0.940151641063503	0.35125067256399	0.015816457758496	0.55021232751632
UCS	GATAD2A	cg08870822	0.372796076153136	57	2.97951296391403	0.00429112004116264	0.138976914395175	0.0219692920356832
UCS	GATAD2A	cg09334331	0.172657044926394	57	1.29998204270861	0.199028941971841	0.029810455162715	0.381727706707364
UCS	GATAD2A	cg11795262	-0.342223536439062	57	-2.70109357436987	0.00916909714991213	0.117116948892858	0.0398937776107531
UCS	GATAD2A	cg14948912	0.294624302228426	57	2.28648200461723	0.0261000391133251	0.0868034794635867	0.0889952418488719
UCS	GATAD2A	cg15264323	0.218016155245929	57	1.65670280088531	0.103274194832627	0.0475310439482169	0.243666402835555
UCS	GATAD2A	cg22191731	-0.28952745291002	57	-2.24327309514173	0.0289270786604154	0.083826145988564	0.0961155408238311
UCS	GATAD2A	cg26631329	-0.260356471082902	57	-1.9998240751468	0.0504677952959142	0.0677854920347419	0.145273877595447
UCS	GATAD2E	cg02134200	0.0519452131008232	57	0.385756807156782	0.701164880099754	0.00269830516408993	0.828807868368114
UCS	GATAD2E	cg02940454	0.245012704294343	57	1.87418835508475	0.0662198388194573	0.0600312252656269	0.176942575431781
UCS	GATAD2E	cg09805553	0.0736662310406544	57	0.547811822194662	0.586037592371821	0.00542671359573508	0.750307897386088
UCS	GATAD2E	cg10226922	-0.362635055917244	57	-2.88580687972525	0.00556741814898343	0.131504183780103	0.0270272528849933
UCS	GATAD2E	cg10489353	-0.0312244064287278	57	-0.231679362726348	0.8176468798904	0.000974963556826376	0.90194319062364
UCS	GATAD2E	cg15064304	-0.172892393510929	57	-1.30180860861883	0.198407963546973	0.029891779733938	0.381043995264354
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UCS	GATAD2E	cg23046518	-0.203477448448414	57	-1.54127314501089	0.128984677378277	0.0414030720270771	0.284530591403812
UCS	GATAD2E	cg23323627	0.115944174079183	57	0.865703545397203	0.390413404750951	0.0134430515029038	0.587781102375261
UCS	GATAD2E	cg26398333	0.256559811338556	57	1.96859044292749	0.0540480276087989	0.0658229367940756	0.152739474709347
UCS	GLYR1	cg00636946	0.0425397209744421	53	0.304069623722347	0.762312054274338	0.00180962786058339	0.867841864168719
UCS	GLYR1	cg00885266	-0.182647735534644	57	-1.37772741242507	0.173867761976276	0.0333601952959333	0.348946614601477
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UCS	GLYR1	cg06976003	-0.487407542019688	57	-4.13973455222603	0.000120411185220734	0.237566112017674	0.00112981157195294
UCS	GLYR1	cg11289281	0.046995231216126	57	0.348911470136925	0.728488007033496	0.00220855175705715	0.846507677886774
UCS	GLYR1	cg15663121	0.114091517922102	57	0.8516866486838	0.398081261690836	0.0130168744617694	0.594696810175282
UCS	GLYR1	cg18354686	-0.124478003085896	57	-0.930389808086753	0.356235155160339	0.0154947732522522	0.554991742310719
UCS	GTF2B	cg02705666	-0.353966822483394	57	-2.80680653934942	0.00690799694757072	0.125292511418991	0.0320759648167194
UCS	GTF2B	cg04270788	0.362982270967873	57	2.88898904533538	0.00551884204133019	0.131756129036994	0.026834977046268
UCS	GTF2B	cg05306856	-0.273411091682585	57	-2.10799112254561	0.0396028363601384	0.0747536250550627	0.12160501487273
UCS	GTF2B	cg06356032	0.0308826112348142	57	0.229140870694961	0.81960938034156	0.000953735676680671	0.902857395594672
UCS	GTF2B	cg07167781	-0.194556497484462	57	-1.47097806061757	0.146995573777777	0.0378522307134215	0.311488713948241
UCS	GTF2B	cg10430205	-0.0804929312085477	57	-0.598894860923111	0.551701863268786	0.00647911197454399	0.724032181216883
UCS	GTF2B	cg12074130	-0.050343483999304	57	-0.373831301849229	0.709967072321136	0.00253446638118817	0.83482320597788
UCS	GTF2B	cg13868361	-0.168222304937917	57	-1.26560604918399	0.210989364886599	0.0282987438786257	0.396840179202341
UCS	GTF2B	cg14010405	-0.126176368458617	57	-0.943287915354133	0.349658944916855	0.0159204759574048	0.54871337140907
UCS	GTF2B	cg17811845	-0.130857900494893	57	-0.978885467961015	0.331922844010448	0.0171237901219314	0.531620272008804
UCS	GTF2B	cg22607980	0.084889847905372	57	0.631840690379271	0.530108632403253	0.00720628627739719	0.708082503415958
UCS	GTF2H1	cg05849260	-0.317571798084162	57	-2.48374865244102	0.0160766505978938	0.100851846938408	0.0615334295996335
UCS	GTF2H1	cg07583091	-0.480364328197177	57	-4.06179789214349	0.000155786380572656	0.230749887804325	0.00140643445401754
UCS	GTF2H1	cg08690812	-0.448480847426721	57	-3.72124760251424	0.000467427601220256	0.201135070508589	0.00354417624439408
UCS	GTF2H1	cg10797557	-0.291116499485295	57	-2.25672175512325	0.0280194268140562	0.084748816272572	0.0938573583178043
UCS	GTF2H1	cg11063328	-0.25899699984916	57	-1.9886289035457	0.0517268830044671	0.0670794459308657	0.147923510169744
UCS	GTF2H1	cg11176342	-0.0666299215777966	57	-0.495241269751096	0.62240270420783	0.00443954644946333	0.776345949233976
UCS	GTF2H1	cg11347316	0.0192768600640136	57	0.142987589814779	0.886822548834515	0.000371597333927563	0.93987266683967
UCS	GTF2H1	cg11662851	0.0684403113781204	57	0.508759867284839	0.612955452427896	0.00468407622153408	0.769535325848071
UCS	GTF2H1	cg13777411	0.202192110117452	57	1.53112077499249	0.131471566052795	0.0408816493937479	0.288331613935247
UCS	GTF2H1	cg14132868	0.0264933292763495	57	0.196548779055243	0.844905131052249	0.000701896496145076	0.917151086499577
UCS	GTF2H1	cg17174493	0.0833552297670824	57	0.620337768045432	0.537597455511564	0.00694809432952311	0.713476575977389
UCS	GTF2H1	cg18321761	-0.0367701529305554	57	-0.272879287351351	0.785967991464556	0.00135204414653643	0.881960284406679
UCS	H2AFZ	cg02758870	-0.0813281840608684	57	-0.605150591660541	0.547567823244652	0.00661427352263849	0.720891711651624
UCS	H2AFZ	cg09308803	-0.00759319564974087	57	-0.0563142695584561	0.955295535768691	5.76566201752437e-05	0.976175096358221
UCS	H2AFZ	cg16267491	-0.118283093006765	57	-0.883412527186059	0.380858675634859	0.013990890091247	0.579247699165947
UCS	H2AFZ	cg17709884	-0.0365108182622873	57	-0.270952130378271	0.787442158606923	0.00133303985018177	0.882887629520739
UCS	H2AFZ	cg20934652	0.213804674995373	57	1.62315095064914	0.110275699032439	0.0457124390498772	0.255450309100723
UCS	H2AFZ	cg23752380	0.0418839475548228	57	0.310892482098849	0.757057590974476	0.00175426506277515	0.864554383354587
UCS	H2AFZ	cg24061702	0.0311843988882856	57	0.231382224979944	0.817876535759761	0.000972466734023707	0.902041251096909
UCS	H3F3A	cg06319713	0.0181794925882705	57	0.134845010000728	0.893226692116806	0.000330493950766983	0.943357009048803
UCS	H3F3A	cg10632229	0.0652692271546944	57	0.48508389261204	0.629543419578444	0.0042600720133711	0.781407272160917
UCS	H3F3A	cg10983539	0.0335853144792005	57	0.249215952563351	0.804122106371901	0.00112797334866679	0.893470611207155
UCS	H3F3A	cg11978873	0.0741405649937753	57	0.551358594505316	0.583621010861912	0.00549682337759622	0.748569097787238
UCS	H3F3A	cg15538837	0.0784726704846341	57	0.583769089133018	0.561762246492907	0.00615796001298996	0.732063313860899
UCS	H3F3A	cg15624314	0.232239918170179	57	1.77075229654088	0.0821433644803835	0.0539353795916914	0.206899253176001
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UCS	H3F3A	cg16727519	0.156804179583859	57	1.17745639335426	0.244083549687812	0.0245875507349672	0.436782270936297
UCS	H3F3A	cg18947521	0.20927528452536	57	1.58717217292141	0.118206693244387	0.0437961447131703	0.267950799846641
UCS	H3F3A	cg19410789	0.360231037849147	57	2.8638123027907	0.00591415495168939	0.129766400629874	0.0283635885772594
UCS	H3F3A	cg21266749	0.0607032516984681	57	0.451019107053551	0.653749012513121	0.00368488476676756	0.797956392554259
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UCS	H3F3A	cg22519151	-0.158979746933993	57	-1.19421355260365	0.237519505952785	0.0252745599351965	0.428994647805212
UCS	H3F3A	cg27530209	0.174171413901257	57	1.31173925293837	0.195057289293801	0.0303356814203631	0.376635974169674
UCS	H3F3A	cg27560444	-0.214147574616559	54	-1.58091527107028	0.119961589287615	0.0458591837141549	0.270658117083547
UCS	HAT1	cg00414306	-0.175446663973836	57	-1.32164743994547	0.19175686380204	0.0307815318995481	0.372240385841945
UCS	HAT1	cg01583365	0.277152799573248	57	2.13922237823717	0.0368719175446946	0.0768136743112887	0.115289949898391
UCS	HAT1	cg04507121	0.208070070246517	55	1.54866722662925	0.127412891872006	0.0432931541323903	0.282229436182617
UCS	HAT1	cg04950839	-0.0769504193471717	57	-0.572376725963994	0.56939917743084	0.00592136703770557	0.737637002032519
UCS	HAT1	cg05421799	0.186442063137736	57	1.40736820081573	0.164944768658338	0.0347606429070557	0.336808056407338
UCS	HAT1	cg09545452	-0.0629504675120151	57	-0.467780934077115	0.641789570331619	0.00396276135998126	0.789630463145797
UCS	HAT1	cg10190161	-0.0273539943678145	57	-0.202938589341504	0.83993193723582	0.000748241007874427	0.914247231098157

UCS	HAT1	cg12941622	0.0237826653851413	57	0.176426868962694	0.860606639102056	0.000565615172821596	0.925933556854983
UCS	HAT1	cg13293756	0.183978024179286	57	1.38811212302702	0.170700309621444	0.0338479133809139	0.344580930164789
UCS	HAT1	cg14446129	0.021007803004616	57	0.155832427244949	0.876735661706925	0.000441327787080752	0.934772957442417
UCS	HAT1	cg16017358	0.0458672695926779	57	0.340519157145592	0.734762845065103	0.00210380641988739	0.850460940112165
UCS	HDAC1	cg03762702	-0.144334588973012	57	-1.08174093276939	0.284087853022005	0.0208324735740082	0.481341866053792
UCS	HDAC1	cg04967775	-0.234734518734745	57	-1.79087571411973	0.078816821299519	0.0551002942856324	0.200762116373884
UCS	HDAC1	cg06473843	-0.121091128108022	57	-0.904693120566322	0.369573921670703	0.0146630613064733	0.568306654723278
UCS	HDAC1	cg10842753	0.048737745291881	57	0.361878846115784	0.718829234612109	0.00237536781613627	0.840409915633868
UCS	HDAC1	cg14172124	-0.177069214399315	57	-1.3342639432006	0.187615596508072	0.0313535066879905	0.366957502759314
UCS	HDAC1	cg20002354	-0.205384898699306	57	-1.55635466791948	0.125359841324103	0.0421829566137242	0.278962312879866
UCS	HDAC1	cg20793809	0.125035987443856	57	0.934626455876878	0.354066281652619	0.0156339981560601	0.553077849557978
UCS	HDAC1	cg21930229	-0.220380878540413	57	-1.67558443121991	0.0994964239789525	0.0485677316262444	0.237415643427355
UCS	HDAC1	cg23018091	-0.0960135064153836	57	-0.715360162623973	0.477412451348526	0.00921859341417691	0.665111465619756
UCS	HDAC1	cg26115470	-0.0138700100419773	57	-0.10287264313968	0.918438224136193	0.00019237717856455	0.956976694729708
UCS	HDAC10	cg00711351	0.114880098311568	57	0.857651810803956	0.394806723647641	0.0131974369880755	0.591497891182104
UCS	HDAC10	cg01120165	0.0167235258596844	57	0.12404233424408	0.901733983305433	0.000279676317179532	0.948107063175105
UCS	HDAC10	cg04321608	0.053100979449159	57	0.39436379250257	0.694837506750347	0.00281971401846	0.825045149121803
UCS	HDAC10	cg04586023	-0.140708023899831	57	-1.05400478415972	0.296489125957773	0.0197987479897953	0.494438788929216
UCS	HDAC10	cg07482373	-0.0928368381484575	57	-0.691482700546664	0.492170877165542	0.0086186785174029	0.677690047642669
UCS	HDAC10	cg07744063	0.0128342791498304	57	0.0951894016750624	0.924510358731759	0.000164718721295771	0.960175237744498
UCS	HDAC10	cg09151829	-0.242087063794616	57	-1.85040693984411	0.0696289458085101	0.0586061464566987	0.183634110701575
UCS	HDAC10	cg10508940	-0.14266683304245	57	-1.0689803990296	0.289747788134647	0.0203538252503624	0.487219126645432
UCS	HDAC10	cg11645658	-0.0197874171294794	57	-0.146776150297085	0.883845403766684	0.000391541876656014	0.938443376926153
UCS	HDAC10	cg12464820	-0.0988580618028299	57	-0.736759994519125	0.464399542613011	0.00977291638341213	0.653625119820355
UCS	HDAC10	cg26943378	-0.181110056265989	57	-1.36573348548625	0.177581960854995	0.0328008524806695	0.353953652645491
UCS	HDAC11	cg01409735	-0.115984793776555	57	-0.866010969489093	0.390246270130432	0.0134524723873901	0.587643412526769
UCS	HDAC11	cg01712016	-0.250708312180776	57	-1.92064279930829	0.0599670681406778	0.0628546577965333	0.16462851039051
UCS	HDAC11	cg02762546	-0.235058605074442	57	-1.79349278795677	0.0783925898467745	0.0552525478195425	0.1999761652197
UCS	HDAC11	cg02941903	-0.163012392176636	57	-1.22532213869931	0.225675355316107	0.0265730400031493	0.415049731470277
UCS	HDAC11	cg05987698	-0.142137829279258	57	-1.06493476946241	0.291558407022428	0.0202031625122196	0.489168223738948
UCS	HDAC11	cg07450135	-0.0262754532791862	57	-0.194931278698464	0.846165049135389	0.000690399445026698	0.917827158846046
UCS	HDAC11	cg08051076	-0.141127520805996	57	-1.05721087997921	0.295036891174089	0.0199169771288468	0.492904540148117
UCS	HDAC11	cg08448040	0.172720272823593	57	1.30047273872141	0.198861976635002	0.0298322926442563	0.381560582952457
UCS	HDAC11	cg10455785	-0.286481813730913	57	-2.21755322902109	0.0307355750869323	0.0820718295985538	0.100451343457246
UCS	HDAC11	cg11432034	-0.167292886770702	57	-1.25841174583651	0.213558733107302	0.027986909964075	0.400095625792643
UCS	HDAC11	cg13397067	-0.299321511435835	57	-2.32649202273488	0.0237039265569305	0.089593367208233	0.0828476620796948
UCS	HDAC11	cg13706066	-0.0770700226848539	57	-0.57327167760766	0.568797403002599	0.0059397883966439	0.737165927654145
UCS	HDAC11	cg16254764	-0.129026907754529	57	-0.964955128383184	0.338791122217752	0.0166479429246957	0.538128439100144
UCS	HDAC11	cg18521047	-0.116877874627726	57	-0.872771233932324	0.386582277801814	0.0136604375774945	0.584532634476194
UCS	HDAC11	cg19779799	-0.124689311286452	57	-0.931994117280096	0.3554128483866	0.0155474243490897	0.554246804605973
UCS	HDAC11	cg20894727	-0.107060532655342	57	-0.798571949133634	0.427973591782395	0.0114619576524456	0.622232186426442
UCS	HDAC11	cg20922324	-0.154674259905144	57	-1.16106785749972	0.2506288295095	0.023924126677204	0.444303961582474
UCS	HDAC11	cg21655280	-0.141170532126365	57	-1.05753963610594	0.294888254870057	0.0199291191408412	0.492762042731419
UCS	HDAC11	cg25127083	-0.0657959838362941	57	-0.489015725661326	0.626775037395309	0.00432911148898587	0.779326427438715
UCS	HDAC11	cg25150878	-0.138483474474599	57	-1.03701281725939	0.30426776868755	0.0191776727025569	0.502861778956879
UCS	HDAC11	cg27025856	-0.176253615867389	57	-1.32792067824775	0.189689167003062	0.031065337106329	0.369656289023952
UCS	HDAC2	cg00161229	-0.150254045422752	57	-1.12710942381276	0.264589641791715	0.0225762781659024	0.460190614466474
UCS	HDAC2	cg01129566	0.1640028883241	57	1.23297259555958	0.22283005634912	0.0268969473786473	0.411519357222093
UCS	HDAC2	cg08198132	-0.238815028836329	57	-1.8238732904316	0.0736061389357646	0.0570326179980967	0.191234549232556
UCS	HDAC2	cg10999867	0.0029327908312838	57	0.0217502524659467	0.982725895474081	8.60126206006231e-06	0.99105753581165
UCS	HDAC2	cg13393754	-0.0956252679087121	57	-0.712440795550065	0.479203434487817	0.00914419186261296	0.666591899553782
UCS	HDAC2	cg15005908	-0.199991874771004	57	-1.51376111379358	0.135812246943145	0.039996749974421	0.294916341624426
UCS	HDAC2	cg15242771	-0.0579805180491388	57	-0.430719623518854	0.668355555739686	0.00336174047324651	0.807699689360651
UCS	HDAC2	cg18387216	-0.159537646162903	57	-1.19851359765879	0.23585595507765	0.0254522605431995	0.427128946837785
UCS	HDAC2	cg18674783	0.275640407094724	57	2.12658617248756	0.0379563559071933	0.075977634023345	0.117809477794614
UCS	HDAC2	cg22867643	-0.0441060864740563	57	-0.327418117719807	0.74459467050276	0.00194534686405693	0.856483814331392
UCS	HDAC2	cg24023618	0.0523227734026151	57	0.388568323911021	0.699095640988618	0.00273767261654141	0.827394171624782

UCS	HDAC3	cg01947930	0.00234044718809553	57	0.0173572684344407	0.986214412429524	5.47769304026429e-06	0.992783434417324
UCS	HDAC3	cg01961137	-0.304094363356035	57	-2.36733668967817	0.0214620248369954	0.092473381824912	0.0768700165823767
UCS	HDAC3	cg04284814	-0.248454083586074	57	-1.90223179804274	0.0623823333075322	0.0617294316505956	0.169370440698222
UCS	HDAC3	cg08520975	0.0913214966974847	57	0.680100170030608	0.499293869071507	0.0083396157590687	0.68350793638602
UCS	HDAC3	cg10414058	0.0151275124981151	57	0.112201474220974	0.911072164619361	0.00022884163438063	0.952780078345478
UCS	HDAC3	cg11064797	0.280551505006419	57	2.16768198280678	0.0345283155975284	0.0787091469613669	0.109699247880182
UCS	HDAC3	cg11153694	0.0341284180585226	57	0.253250652055491	0.801018762622658	0.00116474891917729	0.891390574493362
UCS	HDAC3	cg12082871	0.23830258322354	57	1.81972375340744	0.0742450645227452	0.0567881211710121	0.192429703847136
UCS	HDAC3	cg14098966	-0.14791301872936	57	-1.10915256966008	0.272190728723631	0.0218782611096319	0.468552078914988
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UCS	HDAC3	cg20642138	-0.220990940601817	57	-1.6804606221141	0.0985394320731198	0.048836995828076	0.235645279232003
UCS	HDAC3	cg23421926	0.105118766032532	57	0.783924832029147	0.436447363223056	0.0110499549722022	0.629527063664216
UCS	HDAC3	cg24385322	0.10982286318953	57	0.819424708315861	0.416080927163191	0.0120610612791462	0.611674659808256
UCS	HDAC6	cg07153944	-0.30023498101023	57	-2.33429424307995	0.0232601912836434	0.0901410438222131	0.0816369173493588
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UCS	HDAC6	cg13178935	-0.290665818879197	57	-2.25290542054467	0.028274393865038	0.084486618264714	0.0944957767898253
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UCS	HDAC6	cg24616736	-0.192209921905665	57	-1.45255144865001	0.152029857410895	0.0369446540789819	0.31866653948691
UCS	HDAC6	cg26680189	-0.17588364865594	57	-1.32504421364525	0.19063516218305	0.030935057864526	0.370929071647641
UCS	HDAC9	cg00332048	-0.369428429134034	57	-2.94832119709156	0.00468212925690654	0.13647736425244	0.0235358983853571
UCS	HDAC9	cg02301805	0.0196087127552804	57	0.145450071451819	0.884887280071936	0.000384501615919095	0.938960104017189
UCS	HDAC9	cg03260621	0.0179402781050963	57	0.13307007960511	0.89462364110675	0.000321853578488198	0.944029938671375
UCS	HDAC9	cg07513622	-0.172646171728093	57	-1.29989766018539	0.199057664764745	0.0298067006123662	0.381763971419978
UCS	HDAC9	cg08146609	-0.200416183918502	57	-1.51710700883458	0.134966892591229	0.0401666467764547	0.293673975117025
UCS	HDAC9	cg08285151	-0.298390452477782	57	-2.31854679670505	0.024163533343648	0.0890368621298956	0.0840124206898659
UCS	HDAC9	cg08725366	0.125810751122719	57	0.940510554413466	0.351068277517471	0.0158283450980627	0.54999306404322
UCS	HDAC9	cg10068437	-0.0976415919142641	57	-0.727606188049647	0.469940867386867	0.00953388047155168	0.658606349195516
UCS	HDAC9	cg11321459	-0.181409900701996	57	-1.36807146165345	0.176853227700715	0.0329095520727082	0.352935200752898
UCS	HDAC9	cg11765288	-0.222609099680188	57	-1.69340453949536	0.0960356669481557	0.0495548112604239	0.231364735516547
UCS	HDAC9	cg12081743	-0.24612843550813	57	-1.88327200907188	0.0649554974136068	0.0605792067656797	0.174505230714305
UCS	HDAC9	cg16475478	0.345891123842778	57	2.73395131417216	0.00840238751372326	0.11964066955322	0.0373154840579202
UCS	HDAC9	cg18856632	0.0289079884404046	57	0.21447701506312	0.83096831687171	0.000835671795670567	0.909395079731558
UCS	HDAC9	cg19585556	-0.217427992317423	57	-1.65201126399595	0.10423081795581	0.0472749318431855	0.245371066151858
UCS	HDAC9	cg20648975	-0.0928532630723553	57	-0.691606103233192	0.492093961905187	0.00862172846318403	0.677628733537227
UCS	HDAC9	cg21433125	-0.191405972634312	57	-1.44624436261672	0.153783654316908	0.0366362463600868	0.32111086910445
UCS	HDAC9	cg23074799	-0.0455324140778928	57	-0.33802800214985	0.736628983335082	0.00207320073176069	0.851477914586252
UCS	HDAC9	cg23385718	-0.137362409593431	57	-1.02845577341129	0.308237308126271	0.0188684315693135	0.506801390082388
UCS	HDAC9	cg24350771	0.252055470966079	57	1.93166136288003	0.0585600460440596	0.0635319604439321	0.161797695108525
UCS	HDAC9	cg25620356	-0.22169382390525	57	-1.68608129952191	0.0974457110708846	0.0491481515577321	0.233688852363309
UCS	HDGF	cg00692559	0.10534106962569	57	0.78560124765264	0.435472503305592	0.0110967409498846	0.628705142939559
UCS	HDGF	cg00746981	0.27210062734141	57	2.09707750601364	0.0405978970562513	0.0740387513995889	0.123674386325489
UCS	HDGF	cg01910231	-0.0270524644932884	57	-0.200699899377942	0.841673575124166	0.00073183583516063	0.915253712978881
UCS	HDGF	cg02914429	0.182774481486461	57	1.37871649838019	0.173564149393905	0.0334065110826446	0.348544088333447
UCS	HDGF	cg04402095	-0.247834053710339	57	-1.897173610015	0.0630601990627071	0.061421718178499	0.17074606264607
UCS	HDGF	cg05762852	0.318870806728133	57	2.49505561399921	0.01562478477903	0.10167859138345	0.0602515369832387
UCS	HDGF	cg05967123	0.205924454778536	57	1.56062409438532	0.12434863500855	0.0424048810758372	0.27741834562246
UCS	HDGF	cg06106793	0.291475720160509	57	2.25976478833158	0.0278175847165145	0.0849580954430872	0.0933177613307729
UCS	HDGF	cg06119628	-0.0722733206226321	57	-0.537398661594076	0.593159984974228	0.00522343287382177	0.755264236245064
UCS	HDGF	cg07313589	0.145096171428499	57	1.08757116750422	0.281527609885821	0.0210528989632084	0.47866067157409
UCS	HDGF	cg07892339	0.150742500385355	57	1.13085855407438	0.263021796146282	0.0227233014224289	0.458387867050583
UCS	HDGF	cg08597205	0.00806010292358504	57	0.059777264862015	0.952549710669565	6.4965259138784e-05	0.974978817805479
UCS	HDGF	cg08708935	0.228696900717078	57	1.74223488021094	0.0870571117379835	0.0523022723975972	0.215673040109132
UCS	HDGF	cg09063372	0.35177599105756	57	2.78697208968604	0.0072884820334478	0.123746347884528	0.0334316138744126

UCS	HDGF	cg09477492	-0.192751302741556	57	-1.45680036142167	0.150857218881038	0.0371530647085668	0.316914744067741
UCS	HDGF	cg11588596	0.183379922190967	57	1.38344215141715	0.172119165386976	0.0336281958627652	0.346518939781951
UCS	HDGF	cg12220178	-0.280883753751498	57	-2.17046884502405	0.0343060048371714	0.0788956831215323	0.109135574560518
UCS	HDGF	cg12421458	0.246295634283064	57	1.88463393261521	0.0647677081224061	0.0606615394668967	0.174108649795247
UCS	HDGF	cg13170934	0.0579020259882276	57	0.430134567069787	0.668778488105847	0.00335264461354138	0.807897171757882
UCS	HDGF	cg13235992	0.256273750262971	57	1.96624110680842	0.0543259247694492	0.0656762350738478	0.153299720399453
UCS	HDGF	cg14155849	-0.0393571158716509	57	-0.292106504802034	0.771304236488512	0.00154898256973455	0.873263986456132
UCS	HDGF	cg15503799	0.209663491315572	57	1.59025162977618	0.117510354668272	0.0439587795906349	0.266947015069749
UCS	HDGF	cg17170583	0.0852057051262247	57	0.63420879695022	0.528573693578392	0.00726001218605715	0.706964134485892
UCS	HDGF	cg17218029	-0.0478134325514696	57	-0.354999925320041	0.723947381206903	0.00228612433235394	0.843600978424491
UCS	HDGF	cg17971171	0.173952114799762	57	1.31003607342021	0.195628906127993	0.0302593382433095	0.37744217150959
UCS	HDGF	cg18593717	-0.0994068840116908	57	-0.740890912596794	0.46191114529299	0.00988172858891374	0.651452512625592
UCS	HDGF	cg19599803	0.109863043159351	57	0.819728166396354	0.415909352412201	0.0120698882522334	0.611495042850848
UCS	HDGF	cg20284773	0.255103453009591	57	1.9566355464539	0.0554749186658863	0.0650777717374168	0.155545713558982
UCS	HDGF	cg23747104	0.417284122866571	57	3.40530737329093	0.0012408366227636	0.174126039196524	0.00803543196797402
UCS	HDGF	cg26431298	0.360541603923249	57	2.86664999552414	0.00586832259892133	0.129990248159549	0.0281815193244571
UCS	HDGFL1	cg02685945	0.187544147003738	57	1.41598969287396	0.162416999676652	0.0351728070753598	0.333042802603873
UCS	HDGFL1	cg03930485	-0.0208449483258387	57	-0.154623870841287	0.877683876450116	0.000434511870706886	0.935091888090064
UCS	HDGFL1	cg05276066	0.122143353111169	57	0.912673017988601	0.365397921425945	0.0149189987092397	0.56431074026857
UCS	HDGFL1	cg06566039	-0.041577846195487	57	-0.308616430718077	0.758779272990225	0.00172871729425557	0.865659780360492
UCS	HDGFL1	cg08671671	0.0594954144049591	57	0.442012793102398	0.660213148650666	0.00353970433521781	0.802344183624522
UCS	HDGFL1	cg09081892	0.0253670345549978	57	0.188187521091676	0.851422277725575	0.000643486442114451	0.920774009836559
UCS	HDGFL1	cg11894257	-0.163057865044534	57	-1.22567328136023	0.225544180198676	0.0265878673528813	0.414926193732726
UCS	HDGFL1	cg15317945	0.0271275737351943	57	0.20125753816273	0.841239673010231	0.000735905256758404	0.915010753644443
UCS	HDGFL1	cg20209681	0.121037500274594	57	0.904286499235236	0.369787525871185	0.0146500764727223	0.568444104325943
UCS	HDGFL1	cg21898884	0.0660944865151027	57	0.491244000382245	0.625208512556711	0.0043684811476951	0.778162184628526
UCS	HIST1H1	cg00667898	-0.311679768535215	57	-2.43265644823546	0.0182690768679417	0.0971442781141653	0.0679004617966012
UCS	HIST1H1	cg00700007	-0.308207748907558	57	-2.40269526796545	0.0196764858325532	0.0949920164866642	0.0719049482740345
UCS	HIST1H1	cg03821311	-0.0429598920814415	57	-0.31889348986829	0.751015236552047	0.0018455523276491	0.86055027561907
UCS	HIST1H1	cg04676561	-0.305011426442812	57	-2.37520700148802	0.0210524964452414	0.0930319702606792	0.0757695076780526
UCS	HIST1H1	cg07138603	-0.325537231474007	57	-2.55333062761581	0.0134729618305454	0.105974489075761	0.053779854925622
UCS	HIST1H1	cg11206041	-0.31866469321383	57	-2.49326049790558	0.0156957486588553	0.101547186701065	0.060432322552332
UCS	HIST1H1	cg14334286	-0.321674369623753	57	-2.51951214241368	0.0146864546271048	0.103474400072839	0.0574331700226709
UCS	HIST1H1	cg18798248	-0.318568276341514	57	-2.49242090414979	0.0157290390425968	0.101485746691203	0.0605305398604884
UCS	HIST1H1	cg23460835	-0.32658830750258	57	-2.56255719774128	0.0131580774225523	0.1066599225974	0.0528156170997385
UCS	HIST1H1	cg00903962	-0.0920369206554598	57	-0.685473498777205	0.495924338132558	0.00847079476373941	0.680812416253619
UCS	HIST1H1	cg04290376	-0.0815838142925365	57	-0.607065422146439	0.546305579200775	0.00665591875451909	0.71992438514636
UCS	HIST1H1	cg07750111	0.173809560857336	57	1.30892904055392	0.196001121657829	0.03020976344542	0.377923741095751
UCS	HIST1H1	cg08283682	0.00823404878637987	57	0.0610674103590712	0.951526894456602	6.77995594164839e-05	0.974321257632307
UCS	HIST1H1	cg10717387	-0.10100440801319	57	-0.752919183034685	0.454709235563667	0.010201890438095	0.644985347326522
UCS	HIST1H1	cg12633985	0.116484240610447	57	0.869791318517004	0.388194694888237	0.0135685783105926	0.585995972074935
UCS	HIST1H1	cg15022984	-0.075928976991615	57	-0.564734624108939	0.574550480727851	0.0057652095469932	0.741708106527758
UCS	HIST1H1	cg16481032	0.0668051743143171	57	0.49654970533062	0.621485492617986	0.00446293131516629	0.77571664583663
UCS	HIST1H1	cg16482183	-0.00973463654840378	57	-0.0721974177510623	0.942706709573287	9.47631487295188e-05	0.969539347239517
UCS	HIST1H1	cg17691542	0.0385312654902504	57	0.285967873990923	0.775977068210927	0.00148465842028016	0.876017414662616
UCS	HIST1H1	cg20855557	-0.181417976242513	57	-1.36813443449511	0.176833631151648	0.0329124821039289	0.352914199636
UCS	HIST1H1	cg23407813	0.229606910010848	57	1.74955243006777	0.0857735540269882	0.0527193331247297	0.213422928577499
UCS	HIST1H3	cg00958605	-0.0787393796143651	57	-0.585765532136921	0.560429176819872	0.00619988990205509	0.731105719677445
UCS	HIST1H3	cg01043409	-0.0311832916565596	57	-0.2313740015375	0.817882891834481	0.000972397678538062	0.902041251096909
UCS	HIST1H3	cg08041469	-0.0808990088379534	57	-0.60193607068111	0.549690141803581	0.00654464963096326	0.722560827472336
UCS	HIST1H3	cg08401836	-0.11608112922726	57	-0.866740087522309	0.389850055472941	0.0134748285626757	0.587420324575462
UCS	HIST1H3	cg10075390	-0.0370336749906853	57	-0.274837618048923	0.784470785475638	0.00137149308331571	0.881021976229305
UCS	HIST1H3	cg15479139	-0.0238521556714654	57	-0.176942661546813	0.860203419993443	0.00056892533017582	0.925684421842778
UCS	HIST1H3	cg15797414	-0.102029149747668	57	-0.760637883664456	0.450122114185974	0.0104099473982321	0.64110456947043
UCS	HIST1H3	cg21209604	0.136010826139316	57	1.01814454299069	0.313067168706769	0.0184989448270993	0.512084678771539
UCS	HIST1H3	cg23099349	-0.0196388848045988	57	-0.145673962674476	0.884711358361722	0.000385685796368304	0.938886889890073
UCS	HIST1H3	cg25701114	0.0876389753752628	57	0.652458499454081	0.516823244388368	0.00768059000482592	0.697896955809959

UCS	HLTF	cg00906762	-0.162758387014446	57	-1.22336085175297	0.226409055571333	0.026490292543544	0.415917305873153
UCS	HLTF	cg02059813	-0.167419747610246	57	-1.25939352765002	0.213206739550183	0.0280293718898784	0.399636730980181
UCS	HLTF	cg02398045	-0.0533489389666456	57	-0.396210551469885	0.693482695902013	0.00284610928886688	0.824161579691122
UCS	HLTF	cg02611507	-0.293942312706312	57	-2.28068812486282	0.0264642979847053	0.0864020831991353	0.0899062665366246
UCS	HLTF	cg02710346	-0.233250400286183	57	-1.7788991637445	0.0807827939550381	0.0544057492336645	0.204397862256496
UCS	HLTF	cg03678609	-0.0466888231548181	57	-0.346631587532944	0.730190822067947	0.00217984620758188	0.847435123959979
UCS	HLTF	cg04120413	-0.313788212989969	57	-2.45090345058511	0.0174569510790511	0.0984630426114384	0.0655934144244447
UCS	HLTF	cg04731810	-0.30323556144143	57	-2.35997295634597	0.0218516312662416	0.0919518057226995	0.0778817887353279
UCS	HLTF	cg04836786	-0.0299908775300887	57	-0.222518395467735	0.824734632760673	0.000899452735024777	0.90584805473801
UCS	HLTF	cg05555455	-0.190689723793702	57	-1.44062784344035	0.155358692210501	0.0363625707605184	0.323283994771204
UCS	HLTF	cg07275648	-0.395925871917107	57	-3.19756167863129	0.0022992110762483	0.156757296053321	0.0133120836284693
UCS	HLTF	cg09352720	-0.495757668440506	57	-4.23350927166671	8.80757750991999e-05	0.245775665817567	0.000862617002148704
UCS	HLTF	cg09392355	-0.163028445493715	57	-1.22544610191239	0.225629040429493	0.0265782740400972	0.415036056974393
UCS	HLTF	cg15438497	0.103921591233757	57	0.774898842897656	0.441718266617998	0.010799697124556	0.634261708318516
UCS	HLTF	cg16724124	0.313103883222318	57	2.44497670266682	0.01771709773763	0.0980340416888946	0.0663370025220767
UCS	HLTF	cg20117402	-0.322037935386165	57	-2.52268905526552	0.0145683843122332	0.103708431827784	0.0570632339351426
UCS	HLTF	cg21089667	-0.258798903406659	57	-1.9869986497749	0.0519124670156144	0.0669768724044893	0.148282667854331
UCS	HLTF	cg21111416	-0.335718871515671	57	-2.64316095970003	0.0106788568219681	0.112707160691755	0.0448642321978823
UCS	HLTF	cg21835021	-0.198052223578343	57	-1.49847723295086	0.139727322011385	0.039224683264326	0.30091485448478
UCS	HLTF	cg21926402	-0.012141430787028	57	-0.0900498982017865	0.928574701146928	0.000147414341556192	0.962243450301366
UCS	HLTF	cg24041269	-0.252580753991566	57	-1.93596095689879	0.0580186976594735	0.063797037286948	0.160640159651247
UCS	HLTF	cg24710191	0.512278023067655	50	4.13260941100746	0.000142916672497879	0.262428772918104	0.0013067771062882
UCS	HLTF	cg25951608	-0.44945550370642	57	-3.73137924094926	0.000452695862747111	0.202010249811992	0.00344926757556795
UCS	HLTF	cg26151310	-0.180319598092109	57	-1.35957193357086	0.179513483329153	0.0325151574560998	0.356424591564997
UCS	HLTF	cg27554556	-0.295604150377431	57	-2.29481305913345	0.0255840734023898	0.087381813720363	0.0876778593068507
UCS	IDH1	cg00707300	-0.241272421844147	57	-1.84379460580129	0.0706027360094172	0.0582123815425401	0.185531321615883
UCS	IDH1	cg01046174	0.090351796433058	57	0.672818743862904	0.503879804531278	0.00816344711868074	0.687168247558135
UCS	IDH1	cg02241586	0.111171999981013	57	0.829616259489628	0.410342154106732	0.0123592135797784	0.606228184981657
UCS	IDH1	cg03448938	-0.0893561947170023	57	-0.665344832270896	0.508610623136359	0.00798452953430282	0.691124101594234
UCS	IDH1	cg05268564	0.121874204787636	57	0.910631546187408	0.366463362574912	0.0148533217926186	0.565356181893323
UCS	IDH1	cg07129696	-0.108851495673437	57	-0.812089716439038	0.420241166542564	0.0118486481103442	0.615486306400778
UCS	IDH1	cg07915542	-0.244606118233985	57	-1.87088013271488	0.066685452001397	0.0598321530774984	0.177893424764991
UCS	IDH1	cg09406631	-0.0592224992379927	57	-0.439978055459652	0.661677186643541	0.00350730441599405	0.80308467077115
UCS	IDH1	cg09615745	-0.00832242129077175	57	-0.0617228657686569	0.951007286385397	6.9262696141091e-05	0.974102246315845
UCS	IDH1	cg10356455	-0.183357944589453	57	-1.38327058094449	0.172171464986834	0.0336201358440688	0.346588354177403
UCS	IDH1	cg14772913	-0.0819473381303692	57	-0.609788651100363	0.544512999253271	0.00671536622665307	0.718657758578778
UCS	IDH1	cg15399923	-0.236414721493642	57	-1.80445062956626	0.0766369899360435	0.0558919205389163	0.196935378125378
UCS	IDH1	cg16085695	0.141707929248406	57	1.06164773553195	0.293035259104121	0.0200811372118712	0.4907091645158
UCS	IDH1	cg16863783	-0.0999293627914531	57	-0.744824181355158	0.459548932899048	0.00998587754790585	0.649424809569428
UCS	IDH1	cg24324379	-0.303599533304257	57	-2.363093031304	0.0216857862891947	0.0921726766225626	0.0774674368265446
UCS	IDH1	cg24830471	-0.0319114895721216	57	-0.236782534332904	0.813705197158495	0.00101834316671162	0.899665753865749
UCS	IDH1	cg24987806	0.00106080182313532	57	0.00786712130228352	0.993751476756831	1.12530050796722e-06	0.996747880611776
UCS	IDH1	cg25795625	-0.0387164099276553	57	-0.287344020148675	0.774928790323134	0.00149896039768624	0.875282940262973
UCS	IDH1	cg26105702	-0.0228575041565407	57	-0.169560088179447	0.86597823806758	0.000522465496266276	0.928790490180813
UCS	ING2	cg02075087	-0.323234582902469	57	-2.53315441523886	0.0141854942990011	0.104480595584133	0.0558900322764851
UCS	ING2	cg02552216	-0.275187873279673	57	-2.12280853068698	0.0382859184467512	0.0757283656001896	0.118506136937356
UCS	ING2	cg10348863	0.0205878531962821	57	0.152715974230557	0.879181149306623	0.000423859699231663	0.935875862399966
UCS	ING2	cg17985608	-0.0380459594928763	57	-0.28236081917826	0.778726724481959	0.00144749503373359	0.877669604838165
UCS	ING3	cg01382559	-0.416504905213208	57	-3.39761229149811	0.00126998109611857	0.173476336066663	0.00818784357955996
UCS	ING3	cg01416111	-0.455494171544398	57	-3.79452717249303	0.000370432145910091	0.207474940310918	0.00291526538785327
UCS	ING3	cg10268125	-0.0625067549616382	57	-0.464470755153014	0.644143936089986	0.00390709441583428	0.791185634776184
UCS	ING3	cg14303833	-0.0749814608268472	57	-0.557647213428114	0.579348046741238	0.00562221946772802	0.745402107689059
UCS	ING3	cg16130600	-0.068600558489618	57	-0.509956710632422	0.61212220115541	0.0047060366250875	0.768865647059922
UCS	ING3	cg18485114	0.0530282990740686	57	0.393822495703956	0.695234800523673	0.00281200050268886	0.825298301051116
UCS	ING3	cg19478983	-0.0931886619383804	57	-0.6941261252205	0.490524715625816	0.00868412671386576	0.676329795600913
UCS	ING3	cg19960827	-0.0425293673622111	57	-0.315691862475014	0.753431244575924	0.0018087470882299	0.862124999860846
UCS	ING3	cg20553930	-0.072460615498436	57	-0.538798660811528	0.592200046067638	0.00525054079841219	0.754583892417831

UCS	ING3	cg24859794	-0.213931286186843	57	-1.62415823718662	0.110060027157608	0.045766595209557	0.255102635422904
UCS	ING4	cg00369908	-0.0945321785000887	57	-0.704223046238539	0.484265062689717	0.00893633277197264	0.670993254731211
UCS	ING4	cg00443163	-0.453483498040142	57	-3.77342862863819	0.000396175844490693	0.205647282994723	0.00308047012956611
UCS	ING4	cg00591160	-0.521508578973416	57	-4.53282049994763	3.18512359906148e-05	0.271971197942872	0.000359158581338438
UCS	ING4	cg03930474	-0.287471904583634	57	-2.22590627616471	0.0301375811511629	0.0826400959249422	0.0990504008480594
UCS	ING4	cg04375284	-0.578529282247844	57	-5.26013227886187	2.4348134745673e-06	0.334696130418206	3.75746636461988e-05
UCS	ING4	cg08733494	-0.546322113492446	57	-4.83733690541998	1.10214819227649e-05	0.298467851690853	0.000142639355298548
UCS	ING4	cg12392916	-0.492509863659244	57	-4.19685408085166	9.95629048685892e-05	0.242565965801647	0.000960490652448788
UCS	ING4	cg18123790	0.123358225691811	57	0.921890294789251	0.360612212556684	0.0152172518458319	0.559577831385302
UCS	ING4	cg23354319	-0.499600549095698	57	-4.27718508922121	7.60613805654445e-05	0.249600708656723	0.000761533981944426
UCS	ING4	cg27116036	-0.503228290662611	57	-4.31872444896452	6.61205301954158e-05	0.253238712523213	0.000676724184452332
UCS	INO80	cg00734724	-0.0927831327346603	57	-0.691079208444768	0.49242241469323	0.00860870972005759	0.677901030431349
UCS	INO80	cg06380007	-0.0193516967173072	57	-0.143542903993849	0.886386065425343	0.000374488165838639	0.939767317316644
UCS	INO80	cg12580230	-0.348270848592668	57	-2.75534714364415	0.00793528067886649	0.121292583979457	0.0357037145825182
UCS	INO80	cg18952654	0.074256371786409	57	0.552224582245052	0.583031698294635	0.0055140087508814	0.748072239236246
UCS	INO80	cg21007089	-0.0274958328096465	57	-0.203991679242725	0.839112940716307	0.000756020821896034	0.913883763076869
UCS	INO80	cg21598047	-0.158336679788891	57	-1.18925852604701	0.239446989611461	0.0250705041665699	0.431372773605531
UCS	INO80	cg22835709	-0.559559598989782	57	-5.0070638814127	6.03944968277341e-06	0.313106944821606	8.4003745507183e-05
UCS	INO80	cg26409855	-0.0955637242753533	57	-0.711978047156896	0.479487668535151	0.00913242539737575	0.666820352277008
UCS	INO80	cg27441689	-0.530215019841605	57	-4.63775259338134	2.21577956663163e-05	0.281127967265634	0.000262004482071493
UCS	INTS12	cg00093890	0.0838160660163819	57	0.623791553058304	0.535343191397501	0.00702513292246249	0.711755412833877
UCS	INTS12	cg01852585	0.0917190078954535	57	0.683085622412583	0.497420197313544	0.00841237640932627	0.681813176456874
UCS	INTS12	cg03607115	0.013171839073656	57	0.0976934481548537	0.922530874014362	0.000173497344582291	0.959290054042389
UCS	INTS12	cg19703969	0.0789501005518423	57	0.587342966726763	0.559377003203217	0.00623311837714602	0.730161659572318
UCS	INTS12	cg26533745	-0.0788656723123596	57	-0.58671093638012	0.559798459079035	0.00621979426928048	0.730505672420304
UCS	IWS1	cg02372421	-0.275322822861607	57	-2.12393489694108	0.0381873934040715	0.0758026567884836	0.11830944175533
UCS	IWS1	cg02592214	-0.0665359452554645	57	-0.494539662224348	0.622894778441624	0.00442703201103817	0.776648335939313
UCS	IWS1	cg10180764	-0.327152496233028	57	-2.56751415291903	0.012991680903903	0.107028755791502	0.0523062601454038
UCS	IWS1	cg10488833	-0.21239224514526	57	-1.6119198142272	0.112703723341813	0.0451104657978443	0.259498429977594
UCS	IWS1	cg15239145	-0.0254910869287564	57	-0.189108411198232	0.85070397405321	0.000649795512809415	0.920392979935505
UCS	IWS1	cg17144508	-0.0625519761389844	57	-0.464808100938258	0.643903830322377	0.00391274971889208	0.790965649393637
UCS	IWS1	cg18451256	-0.0426623289708342	57	-0.316680621954025	0.752684842082109	0.00182007431321568	0.86157506555039
UCS	IWS1	cg18530950	-0.0107069933146351	57	-0.0794097395063895	0.93699495080509	0.000114639705839641	0.966360948228465
UCS	IWS1	cg19311602	-0.121647833804624	57	-0.908914695511145	0.367360923876187	0.0147981954693575	0.566258014068519
UCS	IWS1	cg19409088	-0.029960763124262	57	-0.22229475970269	0.824907843918527	0.00089764732698814	0.905948765579133
UCS	IWS1	cg21581038	-0.126263048618269	57	-0.94394642629648	0.349325334656669	0.0159423574463792	0.548335250098439
UCS	IWS1	cg21679674	-0.201593576776922	57	-1.52639602008183	0.132641874942516	0.0406399701977128	0.290145404917196
UCS	IWS1	cg22409775	0.174511069796434	57	1.31437757707816	0.194174307675596	0.030454113481496	0.37546222139877
UCS	IWS1	cg23570261	0.180445794133524	57	1.36055543761075	0.179204102821601	0.032560684620478	0.355953841618156
UCS	IWS1	cg23623107	-0.0261506614240838	57	-0.194004842828686	0.846886859273772	0.000683857092917065	0.918218132219423
UCS	JADE1	cg09863040	-0.260972542285607	57	-2.00490158367346	0.0499054952988531	0.0681066678270132	0.144076057066041
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UCS	JADE1	cg14617908	0.093483569684975	57	0.696342113781808	0.48914708157623	0.00873917780104558	0.675112358097068
UCS	JADE1	cg15389440	0.217917823674861	57	1.65591831809883	0.103433652875694	0.0474881778751878	0.243938592578132
UCS	JADE1	cg15836763	-0.0913421706860415	57	-0.680255431041921	0.499196332305065	0.00834339214563794	0.683440911536732
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UCS	JADE1	cg22922695	-0.401078818434658	57	-3.24709467550578	0.00198858467606754	0.160864218596941	0.0118430311538548
UCS	JADE1	cg26766900	-0.425164956383928	57	-3.48365084402844	0.000978098716062721	0.180765240136948	0.00659474878812474
UCS	JADE2	cg04590931	-0.123228291396278	57	-0.920904278944072	0.361122224038519	0.0151852118004459	0.560003633872594
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UCS	JADE2	cg17378563	-0.203194889781077	57	-1.53904061720146	0.129528304429491	0.0412881632331441	0.285389286133109
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UCS	JADE3	cg10860619	0.103726588179894	57	0.773428958908071	0.442580166621565	0.0107592050954413	0.634925415992894
UCS	JADE3	cg17843048	0.0249749965548469	57	0.185277324086099	0.853693090937879	0.000623750452914612	0.921972173385294

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UCS	JARID2	cg14862454	0.122309549910978	57	0.913933711500602	0.364740960794015	0.014959625999426	0.563672471682253
UCS	JARID2	cg15109221	0.196524595060314	57	1.48645287787881	0.142869732825692	0.0386219164636202	0.305508740941228
UCS	JARID2	cg21397480	0.0944702040661098	57	0.703757205215223	0.484552881548057	0.00892461945629244	0.671284447539793
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UCS	JMJD6	cg02318866	0.0184629475552921	57	0.136948227201842	0.891571807687969	0.000340880432429467	0.942573783113618
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UCS	JMJD6	cg10712116	0.348054377793587	57	2.753398383667	0.00797681508775561	0.121141849901281	0.0358473451158977
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UCS	JMJD6	cg15457598	0.306789357652045	57	2.39048613789748	0.020277373258971	0.0941197099685545	0.0735926277260739
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UCS	JMJD8	cg00873473	-0.222158761008501	57	-1.68980073424514	0.0967274466072185	0.0493545150928322	0.232534455542706
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UCS	KAT2B	cg00770008	-0.305672643332644	57	-2.38088613799722	0.0207613443318419	0.0934357648819661	0.0749396576330336
UCS	KAT2B	cg04371528	-0.227344745768101	57	-1.73137084999823	0.0889920946563667	0.0516856334283626	0.219104693853764
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UCS	KAT5	cg18896539	0.243294013743998	57	1.86021122996939	0.0682059491298068	0.0591919771236647	0.18094440071628
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UCS	KAT5	cg22048492	0.414474531814706	57	3.37760402325204	0.00134882889856905	0.17178913752302	0.00861005951713145
UCS	KAT6A	cg10163397	-0.466486787645187	57	-3.91119100628789	0.000254665002064577	0.217609923047526	0.00212568767925018
UCS	KAT6A	cg12468056	0.146948693834268	57	1.10176127394619	0.275363644401492	0.0215939186195975	0.471828858046773
UCS	KAT6A	cg15251374	-0.457639218862865	57	-3.81711653698207	0.000344652067955703	0.209433654641413	0.00274511394491013
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UCS	KAT6B	cg04396765	-0.197370123425701	57	-1.49310684999694	0.141123984553671	0.0389549656210763	0.303075288603365
UCS	KAT6B	cg06972998	-0.299582541530707	57	-2.32872084139066	0.0235764034710992	0.0897496991899981	0.0824834831638196
UCS	KAT6B	cg09631472	0.350856008601441	57	2.77865874434044	0.00745362896274018	0.123099938771735	0.0340106523272573
UCS	KAT6B	cg10359932	0.0155310990147238	57	0.115195607310173	0.908709624462485	0.000241215036605155	0.951519053024935
UCS	KAT6B	cg10739686	-0.40049115959173	57	-3.2414273857351	0.00202200891403476	0.160393168911128	0.0120011519531055
UCS	KAT6B	cg11128436	0.131996336799414	57	0.987551910963846	0.327696872458294	0.0174230329284644	0.527226652445631

UCS	KAT6B	cg11348552	0.292895878495475	57	2.27180549382789	0.0270315089470837	0.0857879956396363	0.0913386268961226
UCS	KAT6B	cg15874302	-0.318596638940841	57	-2.4926678754394	0.0157192398684924	0.101503818344401	0.0605044733058792
UCS	KAT6B	cg15912797	0.145090226069612	57	1.08752564564311	0.281547537491425	0.021051173700931	0.47866067157409
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UCS	KAT6B	cg18462764	-0.151449219357089	57	-1.13628446813005	0.260764424336677	0.0229368660438717	0.455993507341928
UCS	KAT6B	cg18491775	0.126549767964534	57	0.946124795653544	0.348223224346589	0.0160148437718774	0.547458023292494
UCS	KAT6B	cg24671245	-0.196139053221134	57	-1.48341996294753	0.143671083179725	0.0384705281984829	0.306674392780451
UCS	KAT6B	cg26605858	0.128525052930255	57	0.961138735620977	0.340689016036105	0.0165186892307249	0.53995235435495
UCS	KDM1A	cg00062312	0.246036134890873	57	1.88252024780496	0.0650593517965265	0.0605337796720397	0.174742843531436
UCS	KDM1A	cg00541565	0.0114097138147112	57	0.0846222106362218	0.932869018137394	0.000130181569333611	0.964334497299879
UCS	KDM1A	cg04886391	0.0644860709537184	57	0.47923898640782	0.633668679598049	0.004158453347048	0.784237825903634
UCS	KDM1A	cg06958034	0.174780641379055	57	1.31647185602592	0.19347555302781	0.0305482726008739	0.374548641837638
UCS	KDM1A	cg07118078	0.105263937636034	57	0.785019573433206	0.435810608964685	0.0110804965666428	0.628948159053866
UCS	KDM1A	cg07785945	0.164015374409373	57	1.23306906077974	0.222794348914262	0.0269010430426468	0.411463783086604
UCS	KDM1A	cg10499166	0.0477581724906933	57	0.354588697999314	0.724253752872048	0.00228084303965081	0.843841862952819
UCS	KDM1A	cg12578844	-0.0281712857642153	57	-0.20900679945391	0.83521511220731	0.000793621341609081	0.911758410827235
UCS	KDM1A	cg22683154	0.0389944958725067	57	0.289411039978113	0.773355032444634	0.00152057070835094	0.874300723623756
UCS	KDM1A	cg26662347	0.163054824089	57	1.22564979877268	0.22555295075999	0.0265868756586946	0.414932516350328
UCS	KDM1B	cg11007366	-0.196463225046362	57	-1.48597005474647	0.142997066949061	0.0385977987956176	0.305747411670933
UCS	KDM1B	cg15124342	-0.380773622979034	57	-3.05395220611095	0.00347753339755966	0.14498855195658	0.0185482885192744
UCS	KDM1B	cg20677365	-0.166839401815055	53	-1.20840860049971	0.232463427270364	0.0278353859980054	0.423073104715655
UCS	KDM1B	cg22406543	-0.0581367990441373	57	-0.431884519395076	0.667513784466655	0.0033798874030984	0.807165496735092
UCS	KDM1B	cg23073439	-0.274933298516502	57	-2.12068407391801	0.038472352462525	0.0755883186331638	0.118936504032335
UCS	KDM1B	cg23860886	0.0658995729173539	57	0.489788986600963	0.626231221926638	0.00434275371068965	0.778849427315122
UCS	KDM1B	cg24342628	0.0132076660886898	57	0.097959217760308	0.922320808037498	0.000174442443510326	0.959199830761722
UCS	KDM2A	cg05038268	-0.327800236507369	57	-2.57320898290897	0.0128028770301112	0.107452995054287	0.0517464641411781
UCS	KDM2A	cg05295919	-0.42938848557393	57	-3.52603268571189	0.000858962074182968	0.184374471543473	0.00591637736532427
UCS	KDM2A	cg06320126	-0.232112855515083	57	-1.76972830173599	0.0823157201486019	0.0538763776953659	0.207171437503731
UCS	KDM2A	cg07283932	-0.509506105243229	57	-4.39133427155362	5.16936534410489e-05	0.259596471280124	0.000546096696875741
UCS	KDM2A	cg08836144	-0.336202210966791	51	-2.49887545585871	0.0158602364556983	0.113031926658959	0.0608998635160214
UCS	KDM2A	cg09993857	-0.208326668030421	57	-1.57965055510842	0.11992149434519	0.0434000006126573	0.270584675599758
UCS	KDM2A	cg11637544	0.325698598762192	57	2.55474645485614	0.0134242023119352	0.106079577235655	0.0536348609613379
UCS	KDM2A	cg16004548	-0.258894995278076	57	-1.98778941351795	0.0518223770995078	0.0670266185800348	0.148106906836117
UCS	KDM2A	cg18132081	0.128435184818149	57	0.960455406156895	0.341029573306547	0.0164955966992721	0.54030496977332
UCS	KDM2A	cg21293464	-0.338434789413674	57	-2.66729718667178	0.0100241804696683	0.114538106685478	0.0427088611346393
UCS	KDM2A	cg21711868	-0.51165898511576	57	-4.4164511814853	4.74562175844248e-05	0.26179491704969	0.000506748899859044
UCS	KDM2A	cg25597833	-0.433310719790002	57	-3.56564502265267	0.000760211991658596	0.187758179884929	0.00533609416936649
UCS	KDM2B	cg03486832	0.0905330225913145	57	0.674179413915407	0.503021105198244	0.00819622817951947	0.686530900318103
UCS	KDM2B	cg05067991	-0.44543991550703	57	-3.68974328137237	0.000516228249588321	0.19841671832691	0.0038537050617478
UCS	KDM2B	cg07020001	0.0437720838380512	57	0.324933897099031	0.746463873103251	0.00191599532352539	0.857615389883488
UCS	KDM2B	cg07529210	0.113561005147382	57	0.847674539771489	0.40029311298113	0.0128961018900838	0.596833839912106
UCS	KDM2B	cg07793808	0.0556767453967032	57	0.413551276291414	0.680810880432519	0.00309989997796931	0.815857196610555
UCS	KDM2B	cg09151742	0.00306803409399572	57	0.0227532568928069	0.981929443738705	9.41283320192015e-06	0.990643844758107
UCS	KDM2B	cg12251659	-0.142477637745092	57	-1.06753339456532	0.290394498502706	0.0202998772574216	0.487985164830525
UCS	KDM2B	cg12888660	-0.277249560864124	57	-2.14003141429898	0.0368034187544285	0.0768673189993494	0.115140559743506
UCS	KDM2B	cg15234492	0.128215144010641	57	0.958782385112578	0.341864317507668	0.0164391231536694	0.541032482630636
UCS	KDM2B	cg15316703	-0.335574287592482	57	-2.64187814108236	0.0107147219153413	0.112610102493202	0.0449809010135484
UCS	KDM2B	cg16837338	-0.0912812164466662	57	-0.679797669146105	0.499483933500767	0.00833226047598312	0.683630132879865
UCS	KDM2B	cg17452615	0.06700456287999	57	0.498038394969156	0.620442657594266	0.00448961144673853	0.774982998103568
UCS	KDM2B	cg20055546	-0.491085009900404	57	-4.180846269678	0.000105023559566785	0.24116448694888	0.00100494499298136
UCS	KDM2B	cg21249371	0.100640767257775	57	0.750180701466246	0.456343160288716	0.0101285640342336	0.646587050595382
UCS	KDM2B	cg21781916	-0.160497441722672	57	-1.20591404512229	0.233012816836814	0.0257594287995225	0.423765641317633
UCS	KDM2B	cg26218726	-0.365443582512898	57	-2.91158641142998	0.00518503405828017	0.133549011999861	0.0255180957506072
UCS	KDM2B	cg26509318	0.0886614638680412	57	0.660130729307668	0.511925148349204	0.00786085517522398	0.693840827998921
UCS	KDM3A	cg01744130	-0.172201643973881	57	-1.29644827783928	0.200234458605887	0.0296534061873073	0.383207536019624
UCS	KDM3A	cg02152982	-0.165148138727466	57	-1.24182313209951	0.219571448526633	0.0272739077251464	0.407566184994535
UCS	KDM3A	cg02972551	-0.19030242532203	57	-1.43759180862281	0.156215309686363	0.0362150130834467	0.324577331171836

UCS	KDM3A	cg03037033	-0.222655473303038	57	-1.69377570604667	0.0959646501646256	0.0495754597918	0.23122228745027
UCS	KDM3A	cg04793821	-0.346843698831279	57	-2.74250857325297	0.00821261616528262	0.120300551418963	0.0366610582407756
UCS	KDM3A	cg07052513	-0.0546089800829125	57	-0.405596259583388	0.686612827896207	0.00298214070569594	0.8196409024883
UCS	KDM3A	cg07211384	-0.285176171632181	57	-2.206549814067	0.0315392710212095	0.0813254488667874	0.102459101450172
UCS	KDM3A	cg12888358	-0.328697674178965	57	-2.58110583436853	0.0125451951985762	0.108042161010661	0.050917770922838
UCS	KDM3A	cg18611949	-0.322181506226601	57	-2.52394394981333	0.0145219833728169	0.103800922954441	0.0569244771996833
UCS	KDM3A	cg19139691	-0.263178356852838	57	-2.02310298460788	0.0479339436695783	0.0692628475157598	0.139908198470385
UCS	KDM3A	cg20191795	-0.229984298820077	57	-1.75258850145626	0.0852456337316357	0.0528927777037627	0.21248314099708
UCS	KDM3A	cg20918903	-0.231306508698568	57	-1.76323220183561	0.0834161542308228	0.0535027009663207	0.209075207881714
UCS	KDM3A	cg22404242	-0.183742268800141	57	-1.38627115824927	0.171258562849738	0.0337612213438231	0.345394152343155
UCS	KDM3A	cg24749656	-0.122685509579213	57	-0.916785859111287	0.363257476919206	0.0150517342607113	0.562227725353694
UCS	KDM3B	cg00435490	-0.131219221713894	57	-0.981635627857193	0.330577895412185	0.0172184841472001	0.530268810996238
UCS	KDM3B	cg03315484	-0.5276133951329	57	-4.60618781024513	2.47214788369671e-05	0.278375894723666	0.000288030960707356
UCS	KDM3B	cg05191700	-0.382877595881893	57	-3.07371624221221	0.00328712836820842	0.146595253428298	0.0177127425556837
UCS	KDM3B	cg05708550	-0.0758654112782002	57	-0.564259105327506	0.574871760632907	0.00575556062841047	0.741934299097107
UCS	KDM3B	cg05722427	-0.0817936399479155	57	-0.608637237789129	0.545270556628593	0.00669019953592924	0.719190564005349
UCS	KDM3B	cg15001364	-0.472264635773747	57	-3.97343151053682	0.000208069546224461	0.223033886202509	0.00179451909966582
UCS	KDM3B	cg18682923	0.0683832939650824	57	0.508334028835393	0.61325204843738	0.00467627489351487	0.769783458751715
UCS	KDM3B	cg19076659	-0.0500617032893732	57	-0.371733635026341	0.711519517903126	0.00250617413623324	0.835771657827628
UCS	KDM3B	cg24137987	-0.21354098383807	57	-1.62105336574875	0.110725917475423	0.045599751778531	0.256149994768736
UCS	KDM4A	cg00154982	-0.352545395779019	57	-2.79393182706257	0.00715282579469392	0.124288256084985	0.0329629907751204
UCS	KDM4A	cg00979347	0.0652512119477695	57	0.484949430184641	0.629638188781969	0.00425772066065274	0.781487495741799
UCS	KDM4A	cg03587511	0.0552538780060507	57	0.410400680160008	0.683106454097866	0.00305299103470753	0.81743706337624
UCS	KDM4A	cg08552254	-0.432628179281009	57	-3.55873396113311	0.000776622862738213	0.187167141508001	0.00543099293776047
UCS	KDM4A	cg10958452	-0.0506629735610913	57	-0.376209793867205	0.70820828851302	0.00256673689005184	0.833687901758625
UCS	KDM4A	cg10968649	-0.0219973940686302	57	-0.163176524753404	0.870977553320024	0.000483885345810607	0.931493370676078
UCS	KDM4A	cg12293275	-0.0361936188663799	57	-0.268595045939004	0.789246260054618	0.00130997804664477	0.884018538236659
UCS	KDM4A	cg17737314	-0.0754906800981458	57	-0.561455978012655	0.576767439972859	0.00569884278168059	0.743418875407979
UCS	KDM4A	cg19743044	-0.00225339970199689	57	-0.0167117018902503	0.986727088392986	5.07781021695968e-06	0.993007258731262
UCS	KDM4A	cg20873046	-0.129587028536601	57	-0.969215499532474	0.336680688935163	0.016792797964946	0.536298323334741
UCS	KDM4A	cg21451504	-0.247531420555826	57	-1.89470563893594	0.0633932048668628	0.061271804162385	0.171320976535262
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UCS	KDM4A	cg24324755	0.0381865879691484	57	0.283406024837379	0.777929670060259	0.00145821550072551	0.877216088835434
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UCS	KDM4A	cg25841161	0.0443653534509001	57	0.329346550660885	0.743144723538216	0.00196828458682329	0.855605325839317
UCS	KDM4B	cg01098771	-0.0728522749700454	57	-0.541726438050912	0.590194925257101	0.0053074539683111	0.753206830940164
UCS	KDM4B	cg12072803	-0.132639797747829	57	-0.99245206889238	0.325323379868241	0.017593315946585	0.52480522174581
UCS	KDM4B	cg18115693	-0.0973330023996727	57	-0.725284610062242	0.471352196965291	0.0094737133561347	0.659627312262025
UCS	KDM4C	cg00121158	0.173889709920884	57	1.30955144465449	0.195791786360156	0.0302376312163692	0.377641932306772
UCS	KDM4C	cg00667760	0.281348887580136	57	2.1743717547617	0.0339967784006418	0.0791571965425797	0.108378193720112
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UCS	KDM4C	cg14196303	-0.211833432558353	57	-1.60747926249394	0.113675578523642	0.0448734031494542	0.260886743831849
UCS	KDM4C	cg14473811	0.23391731698283	57	1.78427942031853	0.0798946100121543	0.0547173111844459	0.202836671603862
UCS	KDM4C	cg14497348	0.0950569181151058	57	0.708167669508573	0.481831707460714	0.00903581768154194	0.66899189452434
UCS	KDM4E	cg15555590	0.0824217413016203	57	0.613342867772056	0.542177943326589	0.00679334343919123	0.716901637202105
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UCS	KDM5B	cg00571448	0.0813218912695601	57	0.605103456231439	0.547598913298098	0.00661324999965816	0.720901366646854
UCS	KDM5B	cg02624558	-0.274378121974365	57	-2.11605273205837	0.0388815306872014	0.0752833538181792	0.119948836034427
UCS	KDM5B	cg04504182	-0.32720399131887	57	-2.56796674110308	0.0129765839554974	0.107062451934999	0.0522596869200168
UCS	KDM5B	cg08915090	0.0537796694849706	57	0.399418731707084	0.69113151972965	0.00289225284991267	0.822498209332381
UCS	KDM5B	cg09889216	-0.255510000319272	57	-1.95997135808535	0.0550735605220588	0.0652853602631545	0.154782968470124
UCS	KDM5B	cg11171004	0.0203477720329069	57	0.150934365216543	0.880579715650905	0.000414031826703149	0.936662183154264
UCS	KDM5B	cg11221497	-0.243854850394081	57	-1.86477013745029	0.0675526815103856	0.0594651880607197	0.179639473267106
UCS	KDM5B	cg13134514	-0.0674664540818162	57	-0.501487231732722	0.618029741757285	0.00455172242637381	0.773210558374202
UCS	KDM5B	cg13253785	-0.230663953264228	57	-1.75805838926625	0.0843013273013481	0.0532058593354821	0.210743836758285
UCS	KDM5B	cg13993945	0.264720299547987	57	2.03584663075964	0.0465939181204259	0.070076836992776	0.137014827679471

UCS	KDM5B	cg14560895	-0.258273061711423	57	-1.98267248745188	0.0524077229854612	0.0667049744057924	0.149321310857754
UCS	KDM5B	cg21105875	0.225051470264116	53	1.64950389476701	0.105191223965434	0.0506481642680401	0.246974438548293
UCS	KDM5B	cg24354901	0.06708324768887	57	0.498625893785303	0.620031327035798	0.00450016212048629	0.774680667085681
UCS	KDM5B	cg27531483	-0.393952223101345	57	-3.17868523532326	0.00242918167058732	0.155198354086492	0.0139034548912353
UCS	KDM5C	cg01859586	-0.0821144951116197	57	-0.611040939272945	0.543689683067216	0.00674279030743621	0.717960910602961
UCS	KDM5C	cg04927657	-0.0871562816107098	57	-0.648837336365596	0.519143700323529	0.00759621742420535	0.699831124706415
UCS	KDM5C	cg04927982	-0.191732331924941	57	-1.44880432827854	0.153069914492839	0.0367612871053759	0.320208694419058
UCS	KDM5C	cg09554224	0.031139935815175	57	0.231051997104261	0.818131785622139	0.000969695602573217	0.902165910116911
UCS	KDM5C	cg12234996	-0.191769281874309	57	-1.44909419548888	0.152989260521121	0.0367754574705881	0.320091617798399
UCS	KDM5C	cg16417926	-0.082349174717896	57	-0.612799173611555	0.542534807857912	0.00678138657671857	0.71709317230743
UCS	KDM5C	cg16824069	-0.209432038123893	57	-1.58841552889188	0.117925141591368	0.0438617785927276	0.267537721346132
UCS	KDM5C	cg19903753	-0.120241596818504	57	-0.898252677701551	0.372966440531508	0.0144580416054637	0.57154842138722
UCS	KDM5C	cg24985300	-0.224176777520595	57	-1.70595869155785	0.0936575018363877	0.0502552275795184	0.227283292543854
UCS	KDM5C	cg27526317	-0.0723163869814942	57	-0.537720570667961	0.592939196412615	0.00522965982605722	0.755140620896296
UCS	KDM6A	cg00751785	-0.427650250830476	57	-3.50855601417303	0.000906311612450443	0.182884737035369	0.0061901321842818
UCS	KDM6A	cg03267667	0.237672509801937	57	1.81462393141857	0.075036682381067	0.0564882219155516	0.193933676716038
UCS	KDM6A	cg03478540	0.152972188448341	57	1.1479833088109	0.255944229100875	0.0234004904386746	0.450191592289326
UCS	KDM6A	cg06877198	0.0318083115330011	57	0.23601617897314	0.814296822444707	0.00101176868258045	0.900078333653165
UCS	KDM6A	cg07167981	-0.392190133754432	57	-3.16187618997526	0.00255070173633228	0.153813101014319	0.0144728116614275
UCS	KDM6A	cg11895950	-0.377896511302129	57	-3.02701524799244	0.00375367988203372	0.14280577325432	0.0197293272578158
UCS	KDM6A	cg14384228	0.0161181788430733	57	0.119551143995414	0.905274346408225	0.000259795689217296	0.949775266143983
UCS	KDM6A	cg15923127	0.143005564180338	57	1.07157138318762	0.288592289209725	0.0204505913865368	0.486125815706674
UCS	KDM6A	cg17824914	-0.153142240018177	57	-1.14929009518198	0.255409777039074	0.0234525456777849	0.449665019009612
UCS	KDM6A	cg20211377	-0.276504484431996	57	-2.13380353241926	0.0373335981271094	0.076454729911004	0.116392014294888
UCS	KDM6A	cg22133177	0.33582277585569	57	2.64408297936101	0.0106531467325753	0.112776936783421	0.0447852416597657
UCS	KDM6A	cg27306636	-0.246439501238648	57	-1.88580594937121	0.0646064728281027	0.0607324277707537	0.17375174974854
UCS	KDM6B	cg01046511	-0.165151239136246	57	-1.24184709916141	0.219562672249381	0.0272749317882376	0.407566184994535
UCS	KDM6B	cg02308232	-0.105046672732862	57	-0.783381194130083	0.436763773749597	0.0110348034522451	0.629774633286554
UCS	KDM6B	cg24893073	-0.321315521583884	57	-2.51637767293765	0.0148037960715472	0.103243664410724	0.0577903709147904
UCS	KDM8	cg00636124	0.285185678479397	57	2.20662988543584	0.0315333562946162	0.0813308712097541	0.102459101450172
UCS	KDM8	cg01755539	-0.158584190076971	57	-1.19116548342652	0.238703854181387	0.0251489453423689	0.430472614219175
UCS	KDM8	cg06329197	0.176320739678074	57	1.32844262255452	0.189517894527467	0.0310890032406232	0.369446879116971
UCS	KDM8	cg08572679	-0.187545445664705	57	-1.4159985543094	0.162414037895162	0.0351732941895727	0.333042802603873
UCS	KDM8	cg09140090	-0.316665314597469	57	-2.4758675667578	0.0163985507888341	0.100276921469114	0.0624796189669193
UCS	KDM8	cg10214171	0.0686633327682399	57	0.510425565943414	0.611795920988835	0.00471465326684205	0.768662616321675
UCS	KDM8	cg10221365	-0.37743967952072	57	-3.02274760896545	0.00379926490577768	0.142460711676704	0.0199244987245563
UCS	KDM8	cg16752029	0.0512142960945859	57	0.380314476901658	0.705176829340714	0.00262290412446392	0.831751197484962
UCS	KDM8	cg24206694	-0.113853580869186	57	-0.849887111078096	0.399072398639118	0.0129626378767364	0.595691460562656
UCS	KDM8	cg24705286	0.207172077563171	57	1.57050204680788	0.122034115285818	0.0429202697218406	0.273809470597167
UCS	KIAA202f	cg03495688	-0.0262439205931875	57	-0.194697183944498	0.846347425912884	0.000688743368101531	0.917896750258313
UCS	KIAA202f	cg25608569	-0.499464480109559	57	-4.27563290642488	7.64596697066319e-05	0.249464766891112	0.000764636013003949
UCS	KMT2B	cg09284703	0.290828367857933	57	2.25428168588332	0.0281822105721806	0.0845811395509093	0.0942605673107211
UCS	KMT2B	cg13830730	0.491761369548876	57	4.18843943667764	0.000102398094466445	0.241829244580586	0.000983572954799679
UCS	KMT2B	cg15496871	0.488037838031341	57	4.1467601828965	0.000117635195825898	0.238180931350305	0.00110777296018399
UCS	KMT2B	cg24471867	0.271647347247304	57	2.09330550273836	0.0409468416657762	0.0737922812664974	0.124493633507148
UCS	L3MBTL1	cg01071811	-0.13060324707127	57	-0.976947437683399	0.332872805009962	0.0170572081455592	0.532566366258329
UCS	L3MBTL1	cg01877937	-0.138569987764463	57	-1.03767333823836	0.303962815078529	0.0192016415090434	0.502560640062464
UCS	L3MBTL1	cg02177317	0.00175025522168035	57	0.012980260088934	0.989690512432499	3.06339334101933e-06	0.994436321090902
UCS	L3MBTL1	cg02472486	-0.0223269712620189	57	-0.165622536531687	0.869061311036894	0.000498493645735017	0.930580358895956
UCS	L3MBTL1	cg02611863	-0.142356272851254	57	-1.06660523384141	0.290809846787813	0.0202653084201005	0.488380744360493
UCS	L3MBTL1	cg03486259	-0.0394109774428372	57	-0.292506884087947	0.770999754740637	0.00155322514299982	0.873125535117432
UCS	L3MBTL1	cg04984575	-0.0157624819137816	57	-0.116912219185683	0.907355493393306	0.000248455836082293	0.9509449957766
UCS	L3MBTL1	cg06362543	-0.258440856427367	57	-1.98405274920989	0.0522492725243092	0.0667916762709109	0.148987607461187
UCS	L3MBTL1	cg06446163	-0.0843071519995975	57	-0.627472491513432	0.532946065416672	0.00710769587828323	0.710101843130624
UCS	L3MBTL1	cg06908806	-0.235919311962004	57	-1.80044627632037	0.0772746873181011	0.0556579217566252	0.198053142200914
UCS	L3MBTL1	cg07678583	-0.182914027404606	57	-1.37980555354382	0.173230320987435	0.0334575414213728	0.348118744239286
UCS	L3MBTL1	cg08369943	0.0356399048812601	57	0.264480634057773	0.79239819007641	0.00127020281994527	0.886183706370009

UCS	L3MBTL1	cg08633313	-0.121974493544925	57	-0.911392205757006	0.366066142987288	0.0148777770755411	0.564945039032556
UCS	L3MBTL1	cg09541000	-0.0469067015034417	57	-0.348252739262988	0.728979863702314	0.00220023864593298	0.84676402051338
UCS	L3MBTL1	cg10360552	-0.107612428571188	57	-0.802736684883554	0.425582256541671	0.0115804347829891	0.620242019634453
UCS	L3MBTL1	cg12699433	-0.0723749240135479	57	-0.538158123576193	0.592639152996097	0.00523812962596684	0.754889703508214
UCS	L3MBTL1	cg14306330	0.0531150559131688	57	0.39446862957417	0.694760569790316	0.00282120916465905	0.825012268992976
UCS	L3MBTL1	cg15123011	-0.062652594379794	57	-0.465558713989181	0.643369718715874	0.00392534758251899	0.790684105810153
UCS	L3MBTL1	cg15302378	-0.11699716913039	57	-0.873674407684966	0.386094405509289	0.0136883375845252	0.584156268140543
UCS	L3MBTL1	cg15330298	-0.135011596477473	57	-1.01052514718159	0.316668878426107	0.0182281311833961	0.515958168815829
UCS	L3MBTL1	cg15388309	-0.158591599993997	57	-1.19122257711171	0.238681630757674	0.0251512955886559	0.430442515315448
UCS	L3MBTL1	cg16862791	-0.0657711608113055	57	-0.48883043169972	0.62690538107539	0.00432584559446661	0.779413750805135
UCS	L3MBTL1	cg17091610	-0.0777549473169181	57	-0.578397219538565	0.565356965196696	0.0060458318322567	0.734768174203608
UCS	L3MBTL1	cg17774347	-0.23690188592057	57	-1.80838979187069	0.0760139811778736	0.0561225035527229	0.195779672653587
UCS	L3MBTL1	cg18911945	-0.0650208547059179	57	-0.483230125006942	0.630850507940477	0.00422771154668808	0.782193497413558
UCS	L3MBTL1	cg20091959	-0.05990724788161	57	-0.445083434131483	0.658006285297902	0.00358887834874867	0.800928479134825
UCS	L3MBTL1	cg20252111	-0.0547417383643265	57	-0.406585252772221	0.685890468759491	0.00299665791914837	0.819180838962722
UCS	L3MBTL1	cg20529070	-0.0884285245492316	57	-0.658382687884838	0.513038937887956	0.00781960395395406	0.694749840382415
UCS	L3MBTL1	cg22330467	-0.0860186221177879	57	-0.64030444483604	0.524633391782151	0.00739920335104278	0.703787313208957
UCS	L3MBTL1	cg22457903	-0.0707699997087735	57	-0.526163635800395	0.60088990350241	0.0050083928587798	0.760824657850589
UCS	L3MBTL1	cg22601123	-0.0830362436781577	57	-0.617947328609137	0.539160544248617	0.00689501776417839	0.714600142759637
UCS	L3MBTL1	cg23626798	-0.0701018404611469	57	-0.521171328135775	0.604339651017614	0.0049142680360401	0.763211555771037
UCS	L3MBTL1	cg24343973	-0.131130379602432	57	-0.980959378257128	0.330908274671632	0.0171951764546779	0.530640347882727
UCS	L3MBTL2	cg02358112	-0.445399501723749	57	-3.68932566910496	0.000516906788376553	0.198380716135763	0.00385691988250197
UCS	L3MBTL2	cg06235991	-0.0325786442972224	57	-0.241738013110079	0.809882224676763	0.00106136806424494	0.8973263895077
UCS	L3MBTL2	cg08053598	-0.212083718390348	57	-1.60946793092739	0.113239505096821	0.0449795036062763	0.260321771410196
UCS	L3MBTL2	cg09993119	-0.0113401857976324	57	-0.0841064769683083	0.933277166514139	0.000128599813924823	0.964533948318799
UCS	L3MBTL2	cg12821546	0.0527876995389689	57	0.392030643268762	0.696550573364802	0.00278654122261645	0.826038548074062
UCS	L3MBTL2	cg13843727	-0.388288513333057	57	-3.1248034454608	0.00283919191309176	0.150767969586396	0.0157473882534796
UCS	L3MBTL2	cg14679202	-0.126861521852134	57	-0.948493640103694	0.347027326529055	0.0160938457266396	0.546313822243834
UCS	L3MBTL2	cg15283028	-0.548495379288598	57	-4.86483664193731	1.00025577558589e-05	0.300847181100943	0.000130911671948063
UCS	L3MBTL2	cg19467356	-0.248149157528534	57	-1.89974390807885	0.0627149665435496	0.0615780043821212	0.170071743552442
UCS	L3MBTL2	cg24240981	-0.178147323155484	57	-1.34265322188551	0.184899659495694	0.0317364687474644	0.363447180302647
UCS	L3MBTL2	cg26947834	0.11157471826425	57	0.832659342043572	0.408638032877794	0.0124489177557467	0.604615809069668
UCS	L3MBTL2	cg27177954	-0.466346216316803	57	-3.90968478596403	0.000255908735577072	0.217478793472998	0.00213423715431848
UCS	L3MBTL3	cg03454037	-0.639891636405568	57	-6.17537875090024	8.3679607437768e-08	0.409461306341796	1.84831668966886e-06
UCS	L3MBTL3	cg07826275	-0.0373143129677837	57	-0.276923206647438	0.782877187615496	0.00139235795225771	0.880116012274165
UCS	L3MBTL3	cg08106148	-0.297686216008273	57	-2.31254199695672	0.0245161414265089	0.0886170832013239	0.0849422663400809
UCS	L3MBTL3	cg08358392	-0.392470252849761	57	-3.16454556271264	0.002531029522828	0.154032899371956	0.014388897920117
UCS	L3MBTL3	cg09710740	-0.308875411680714	57	-2.40844845048954	0.0193989129822191	0.0954040199409306	0.0711043647068768
UCS	L3MBTL3	cg10237990	-0.0688282562462568	57	-0.511657393265222	0.610939059630187	0.00473732885790039	0.76802164017186
UCS	L3MBTL3	cg16487825	-0.0782045516057106	57	-0.581762220621433	0.563103862923429	0.00611595189185025	0.733119708002364
UCS	L3MBTL3	cg16800851	-0.305768418197862	57	-2.38170905504912	0.0207194563183155	0.0934943255672225	0.0748318020905073
UCS	L3MBTL3	cg18411550	-0.170776539206937	57	-1.28539544635625	0.204040399605441	0.0291646263434985	0.388048376650915
UCS	L3MBTL3	cg18798995	-0.101056206874768	57	-0.753309291229835	0.454476752001443	0.0102123569479159	0.644739217046889
UCS	L3MBTL3	cg22934935	-0.586121630866404	57	-5.36493526006183	1.66537801378666e-06	0.343538566169493	2.68622055161766e-05
UCS	L3MBTL3	cg24516147	-0.132489688990205	57	-0.99130882940956	0.325876101340866	0.0175535176887214	0.525342289437987
UCS	LBR	cg01017344	-0.131459735413663	57	-0.983466494142443	0.329684533430133	0.0172816620350302	0.529326947633042
UCS	LBR	cg05530459	-0.0284826548314015	57	-0.211318756459983	0.833419616977064	0.00081126162624476	0.910655668965696
UCS	LBR	cg12994003	-0.272879654902082	57	-2.10356376451937	0.0400039128314604	0.0744633060594796	0.122478822260248
UCS	LBR	cg14607642	0.00244006344194654	57	0.0180960486777805	0.985627718098748	5.95390960072398e-06	0.992478645323712
UCS	LBR	cg18107727	0.207894854024341	57	1.57622822978109	0.120708324620412	0.0432202703298021	0.271750096359554
UCS	LBR	cg18289048	0.0138854977959651	57	0.102987536587126	0.918347458977182	0.000192807049041753	0.956976694729708
UCS	LBR	cg18764107	0.175771079157088	57	1.32416911009208	0.190923668064536	0.0308954722680471	0.371271486899449
UCS	LBR	cg19322477	-0.28202095682553	57	-2.18001398778031	0.033554073935252	0.0795358200887875	0.107291940799827
UCS	LBR	cg20483690	-0.178281166185602	57	-1.34369506611107	0.184564470701861	0.0317841742164981	0.363052706427142
UCS	LBR	cg26930584	-0.280154088480475	57	-2.16434961188622	0.0347958011178164	0.0784863132923256	0.110364274153358
UCS	MBD1	cg01719254	-0.194268635521007	57	-1.4687162040399	0.147606387182494	0.0377403027471938	0.31237462688996
UCS	MBD1	cg03841029	-0.159522562589545	57	-1.19839732454625	0.235900825767346	0.0254474479751354	0.427152783074053

UCS	MBD1	cg05549078	-0.370065180126022	57	-2.95420852183911	0.00460587973937513	0.136948237541705	0.0232141113343019
UCS	MBD1	cg12090413	-0.242693937958992	57	-1.85533555288235	0.0689105057226221	0.058900347522043	0.182210797803802
UCS	MBD1	cg13478031	-0.00276298002306857	57	-0.0204908864814201	0.983725940164849	7.63405860787601e-06	0.99146197920873
UCS	MBD1	cg14389183	-0.525821588727513	57	-4.58455293321864	2.66437506411517e-05	0.276488343171926	0.000307252288375001
UCS	MBD1	cg19328682	-0.509246892736351	57	-4.38831766677907	5.22267084629282e-05	0.259332397761629	0.000550606390861233
UCS	MBD1	cg21282183	0.192311743863578	57	1.45335047142813	0.151808795960005	0.0369838068278504	0.318280918283591
UCS	MBD2	cg15090185	0.146077002662537	57	1.09508275490377	0.278252806422404	0.0213384907068708	0.475139356925776
UCS	MBD2	cg16852837	-0.407810233464261	57	-3.31235561381756	0.00163941996147387	0.166309186518175	0.0101161072506523
UCS	MBD2	cg17987217	-0.0917722896091354	57	-0.683485812285322	0.497169330630303	0.00842215314010302	0.681661483407423
UCS	MBD2	cg22224310	-0.260554723102175	57	-2.0014577335795	0.0502862863528512	0.0678887637308509	0.144893194582529
UCS	MBD2	cg22836370	0.0200557753674598	57	0.148767533636375	0.882281197910173	0.000402234125590006	0.937529823301083
UCS	MBD2	cg23388714	-0.317538751607897	57	-2.48346120925731	0.0160882901222639	0.100830858772701	0.0615710088181581
UCS	MBD2	cg24881765	-0.359861438628689	57	-2.86043664042897	0.00596910772807914	0.12950025501191	0.02855101578136
UCS	MBD2	cg25192916	0.144088596746574	57	1.07985817860141	0.284918079381583	0.0207615237123967	0.482139499421624
UCS	MBD3	cg08660999	-0.00525282320290136	57	-0.0389565169411061	0.969066120357147	2.75921516009389e-05	0.983760436463408
UCS	MBD3	cg09174855	0.113378856269752	57	0.846297172052604	0.40105419416114	0.012854765049037	0.597647881016238
UCS	MBD3	cg12286540	-0.245163694005274	57	-1.87541716357453	0.0660475934186546	0.0601052368583114	0.176621858389564
UCS	MBD5	cg03890220	0.272603637308227	57	2.10126510495607	0.0402135422665091	0.0743127430736753	0.122927121186719
UCS	MBD5	cg04152151	0.257101565789549	57	1.97304123227455	0.0535248957875739	0.066101215131438	0.151641201168962
UCS	MBD5	cg05218490	-0.0397093819262539	57	-0.294725116279439	0.769313484258454	0.0015768350129651	0.872139473544032
UCS	MBD5	cg06394585	-0.0106783322560869	57	-0.0791971469488372	0.937163266169975	0.000114026779771387	0.966427175502525
UCS	MBD5	cg06758980	0.0755661616644949	57	0.562020588662676	0.576385365593259	0.00571024478870457	0.743056940838659
UCS	MBD5	cg20595490	0.211874447468039	57	1.60780512742303	0.113604030211494	0.0448907814898867	0.260807174829516
UCS	MBD5	cg21412502	-0.234197238524487	57	-1.78653844124758	0.0795241241560582	0.0548483465324954	0.20216658653627
UCS	MBD5	cg23120335	-0.439494723282802	57	-3.62860854156873	0.000625188122670134	0.193155611793426	0.004531012186976
UCS	MBD5	cg25686162	0.0678556673642228	57	0.50439365034507	0.61599959939018	0.00460439159344406	0.771738027779365
UCS	MBD5	cg26664634	-0.424815809398872	57	-3.48015976970123	0.000988583604468109	0.180468471915219	0.0066521817252826
UCS	MBTD1	cg01388767	-0.0125406882246892	57	-0.0930115472367171	0.926232374990118	0.000157268861148857	0.961173350318561
UCS	MBTD1	cg14577476	-0.181577727775168	57	-1.36938023137853	0.176446292676948	0.0329704712239929	0.352412397753799
UCS	MBTD1	cg17045523	-0.180116174068342	57	-1.3579867022592	0.180013007411906	0.0324418361610171	0.357088300956265
UCS	MBTD1	cg18711617	-0.216457714997316	57	-1.64427588087405	0.105823874838713	0.0468539423818592	0.247980677125214
UCS	MBTD1	cg22141797	-0.20811781310353	57	-1.57799516297897	0.120301570414528	0.043313024130996	0.271181373151394
UCS	MBTD1	cg25259117	-0.155729364172748	57	-1.16918420328571	0.247371735885557	0.0242516348656484	0.440639223810615
UCS	MBTD1	cg25716740	-0.262953751982286	57	-2.02124809281191	0.0481317382269267	0.0691446756815617	0.140302874186225
UCS	MBTD1	cg25855326	-0.258905321779179	57	-1.98787439660983	0.0518127031710095	0.0670319656455802	0.148084699308774
UCS	MBTD1	cg27207041	-0.123620905704784	57	-0.923883808271914	0.359582497628601	0.015282128327271	0.558462528173184
UCS	MBTD1	cg27214721	0.0203472597713123	57	0.150930563822337	0.880582700163173	0.000414010980201262	0.936662183154264
UCS	MBTD1	cg27353579	-0.256065093864888	57	-1.96452782151691	0.0545293565350508	0.0655693322960339	0.153731128589104
UCS	MLLT10	cg00879184	-0.320102517033661	57	-2.5057912454571	0.0152064081414288	0.102465621411285	0.0590067495487984
UCS	MLLT10	cg03524461	-0.22386813553316	57	-1.70348595101056	0.0941220426715961	0.0501169421070932	0.22805401275716
UCS	MLLT10	cg04188362	-0.28518055524685	57	-2.20658673494957	0.0315365436212198	0.0813279490909018	0.102459101450172
UCS	MLLT10	cg05913198	-0.0940115696517201	57	-0.700310060465156	0.486685650065544	0.00883817522838022	0.673088417087981
UCS	MLLT10	cg06398735	-0.32897268428269	57	-2.58352730691365	0.0124671305304411	0.108223027004158	0.0506480005168279
UCS	MLLT10	cg11443787	-0.318254829910035	57	-2.48969202154333	0.0158376820101047	0.101286136761066	0.0608526202009798
UCS	MLLT10	cg15910013	0.0177317592332637	57	0.131522924033631	0.895841595343602	0.000314415285506433	0.944735684036654
UCS	MLLT10	cg19119538	-0.483286199059291	57	-4.09400368783129	0.000140093495094181	0.233565550201176	0.00128443528077274
UCS	MLLT10	cg20569108	-0.406691935222773	57	-3.30146943136555	0.00169332641708533	0.165398330175244	0.010386394014881
UCS	MLLT10	cg23344688	-0.317091575639234	57	-2.47957259469072	0.0162465025226839	0.100547067341372	0.0620309407239101
UCS	MLLT10	cg26877631	-0.330705480024333	57	-2.59880162136798	0.0119848122475759	0.109366114518125	0.0490812004626194
UCS	MLLT10	cg27470303	-0.23531961833176	57	-1.79560099199561	0.0780522370297812	0.0553753227718053	0.199336716703155
UCS	MLLT10	cg27572529	-0.393058565801607	57	-3.17015523485041	0.00249015211067921	0.154495036150016	0.0141908206943212
UCS	MLLT6	cg05652455	0.171707969970299	57	1.29261849400918	0.201547135450805	0.0294836269513211	0.384888629998165
UCS	MORF4L	cg03589001	-0.391948756597793	57	-3.15957683930621	0.00256776210035364	0.153623827798556	0.0145425513129667
UCS	MORF4L	cg07757959	0.0443054066455139	57	0.328900659215852	0.743479896691141	0.00196296905802435	0.8558869894075
UCS	MORF4L	cg08692282	0.185321120767978	57	1.39860482655783	0.167545213688691	0.0343439178026996	0.340375848162797
UCS	MORF4L	cg13747872	-0.217781002008059	57	-1.65482685194516	0.103655844392436	0.0474285648356342	0.24436506435544
UCS	MORF4L	cg15822222	-0.316467668754033	57	-2.47415021034849	0.0164694629254141	0.100151785366612	0.0626914615070542

UCS	MORF4L	cg20775702	-0.423157014767463	57	-3.46359953501461	0.00103979245326467	0.17906185914691	0.00693616996306569
UCS	MORF4L	cg20905746	0.0977660631808944	57	0.728542669143801	0.469372243196325	0.00955820310989063	0.658220653473097
UCS	MORF4L	cg23623458	-0.532685102894132	47	-4.22226538990791	0.000116002038618621	0.283753418845332	0.00109451335261334
UCS	MORF4L	cg24795825	-0.35538546347481	57	-2.81967819044423	0.00667097757733445	0.126298827649205	0.0311763052208313
UCS	MPHOSF	cg00331616	-0.262128305063949	57	-2.01443419675403	0.048864390129338	0.0687112483156985	0.141852241425544
UCS	MPHOSF	cg03134886	0.295043972482144	57	2.29004923712384	0.0258779895142981	0.087050945698044	0.0884124864416034
UCS	MPHOSF	cg03428000	0.241507655251502	57	1.8457035364568	0.0703204387262361	0.0583259475450785	0.185001968558296
UCS	MPHOSF	cg04203901	0.292511631700522	57	2.26854606826579	0.0272423319042766	0.0855630546801016	0.0918605965492434
UCS	MPHOSF	cg06019692	-0.547247699952246	57	-4.84903182150586	1.05762898179071e-05	0.299480045103024	0.000137679365812293
UCS	MPHOSF	cg09559995	-0.423259609817717	57	-3.46462253719137	0.00103655732283492	0.179148697303046	0.00691755514906232
UCS	MPHOSF	cg11051893	0.223834768473919	57	1.70321865717559	0.0941723712471165	0.0501020035777729	0.228122471018957
UCS	MPHOSF	cg19693579	0.0921683571796985	57	0.686460794137789	0.495306579136821	0.00849500606520447	0.680159297896487
UCS	MPHOSF	cg20759595	-0.662804868529804	57	-6.56456182834417	1.94545414969993e-08	0.439310293746811	5.01141258681313e-07
UCS	MPHOSF	cg20952532	-0.540479801107669	57	-4.76409601512623	1.42577351980331e-05	0.292118415405385	0.000178322548552378
UCS	MPHOSF	cg21958444	-0.553178845787926	57	-4.92458130549145	8.09682664272463e-06	0.306006835427263	0.000108694483493377
UCS	MPHOSF	cg22656705	-0.676069433078635	57	-6.8045698580976	7.88161883147097e-09	0.457069878343267	2.20317159674974e-07
UCS	MSH6	cg00620552	0.0857165883626612	57	0.638039498757731	0.526095674194475	0.0073473335205339	0.704849511380091
UCS	MSH6	cg02905881	0.0358333595079658	57	0.265918084762341	0.791296602142025	0.00128402965362712	0.885443040533514
UCS	MSH6	cg05039065	0.143069235630912	57	1.07205845458299	0.288375427243777	0.0204688061840135	0.485889710679232
UCS	MSH6	cg07652213	0.0790273179339808	57	0.587921027683426	0.558991674232981	0.00624531697983848	0.729866875434795
UCS	MSH6	cg09898070	0.137590050833305	57	1.03019302287671	0.307428578126702	0.0189310220883114	0.505914556021167
UCS	MSH6	cg11869233	-0.0954398206048224	57	-0.711046436794281	0.480060178352458	0.00910875935708069	0.66733022737793
UCS	MSH6	cg16595246	0.0880620364510386	57	0.65563267955615	0.514793766777212	0.00775492226390406	0.696315093588803
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UCS	MSH6	cg19736286	-0.0359081915126214	57	-0.266474126616183	0.790870595111686	0.0012893982177071	0.885185365727058
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UCS	MTA1	cg01318265	-0.322362174119683	57	-2.52552337081136	0.0144637730477341	0.103917371303169	0.0567506309817635
UCS	MTA1	cg01655777	-0.232859081422206	57	-1.77574349031334	0.0813075612160441	0.0542233518007935	0.205318285365045
UCS	MTA1	cg05922925	-0.0775462209248309	57	-0.57683515654105	0.566404385764816	0.00601341637972268	0.735398000235461
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UCS	MTA1	cg13981078	-0.202761593316607	57	-1.5356178719379	0.130365300639128	0.041112263724289	0.286764883388585
UCS	MTA1	cg16531924	0.234244626481732	57	1.78692091772861	0.0794615391924345	0.054870545035566	0.202033891555912
UCS	MTA1	cg20222911	0.129124225554536	57	0.965695276096934	0.338423855092905	0.0166730656250587	0.537808620168272
UCS	MTA1	cg21517792	0.0401931669077146	57	0.298321568866592	0.766581893102364	0.0016154906660714	0.870603538621079
UCS	MTA1	cg23123838	-0.066304275172206	57	-0.492810118359704	0.624108537383557	0.00439625690611161	0.777365220186951
UCS	MTA1	cg23883989	0.150824493037481	57	1.1314879706903	0.262759228189908	0.0227480277000131	0.45815949256803
UCS	MTA1	cg23966123	-0.208785039285939	57	-1.58328441550017	0.119090552677881	0.0435911926296309	0.269309917008898
UCS	MTA2	cg00501779	-0.148641325767977	57	-1.11473699330156	0.269810574923945	0.0220942437260618	0.465887818028398
UCS	MTA2	cg07654871	0.115478025809151	57	0.862175886838607	0.392334454169588	0.013335174444779	0.58935733453775
UCS	MTA2	cg09086761	0.177099044411776	57	1.3344959978991	0.187540066617581	0.0313640715315643	0.366862854678183
UCS	MTA2	cg13708959	-0.355354573498151	57	-2.8193976817269	0.00667606182826068	0.126276872906053	0.0311936755518043
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UCS	MTA2	cg21002970	-0.0602502751770471	57	-0.447641228551071	0.656170337423948	0.0036300956589099	0.79960706197714
UCS	MTF2	cg05396182	0.0922571496167948	57	0.687127785701423	0.494889476041599	0.00851138165541566	0.679925682128819
UCS	MTF2	cg05962718	-0.0645158811516077	57	-0.479461451615696	0.633511451022804	0.00416229892076836	0.784108676289429
UCS	MTF2	cg09936581	0.126338218564702	57	0.944517511702588	0.349036183494281	0.0159613454701023	0.54811200990642
UCS	MTF2	cg11404133	0.0807779431639994	57	0.601029350211684	0.550289536971444	0.00652507610180632	0.722908984416166
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UCS	MTF2	cg26054395	-0.353848086581624	57	-2.80573022820604	0.00692816425450482	0.125208468377476	0.0321504181588492
UCS	NAP1L2	cg02379437	-0.241736905646383	57	-1.84756424712345	0.0700461886130131	0.0584367315514881	0.184473854800797
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UCS	NCOA1	cg11380327	-0.291864800666137	57	-2.26306194910564	0.0276003412935921	0.085185061867884	0.0927731140076781
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UCS	NCOA3	cg09568061	0.112704786161623	57	0.841200760380194	0.403878033237719	0.0127023688237371	0.600349435706414
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UCS	NCOA3	cg14341558	-0.15037298034212	57	-1.12802222948143	0.264207308108063	0.0226120332169715	0.459743291362844
UCS	NCOA3	cg14774045	0.133306363422798	57	0.997529523600053	0.322876160289403	0.017770586529011	0.522254455006837
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UCS	NCOA3	cg21735648	0.209768911063209	57	1.5910880094197	0.117321801560573	0.0440029960486445	0.266619894560739
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UCS	NCOA3	cg22876277	-0.0404606913776321	57	-0.300310433099687	0.765072580001434	0.00163706754675599	0.869625754863774
UCS	NCOA3	cg24856420	0.215947843775859	57	1.64021306353694	0.106668503228033	0.0466334712314428	0.249374922336594
UCS	NCOA3	cg25373408	0.0296195006994	57	0.219760517007289	0.82687128452997	0.000877314821681759	0.907024137996794
UCS	NCOR1	cg00253204	0.103507527297523	57	0.771777840579932	0.443549515118458	0.0107138082072475	0.635694380602899
UCS	NCOR1	cg08125503	0.0497656979933992	57	0.369530171615916	0.713151586112004	0.00247662469677022	0.836811283749091
UCS	NCOR1	cg08206308	0.014007780738976	57	0.103894675822681	0.917630862718127	0.000196217921231227	0.956585845875352
UCS	NCOR1	cg21211144	0.125257406931327	57	0.936307892918964	0.353207882076116	0.0156894179911601	0.552255129700118
UCS	NCOR1	cg22291359	0.0251563526812423	57	0.186623565663776	0.852642468834622	0.000632842080223045	0.921499676588553
UCS	NCOR1	cg22625220	0.118925468883032	57	0.888278833823848	0.378259156429453	0.0141432671490491	0.576850404125949
UCS	NCOR2	cg08976554	0.0968302646600639	57	0.721502869777659	0.47365632045493	0.00937610015413801	0.661661100026823
UCS	NCOR2	cg10641483	-0.157730902101166	57	-1.18459224599858	0.241272490424151	0.0248790374776478	0.433496977228889
UCS	NCOR2	cg13416396	-0.215270394940846	57	-1.63481711064526	0.107798758385041	0.0463413429379879	0.251396864614362
UCS	NCOR2	cg13419087	0.195961029408481	57	1.48201975707962	0.144042235621358	0.0384007250468315	0.30723902385194
UCS	NCOR2	cg13857025	-0.174052472850417	57	-1.31081547607785	0.195367168585513	0.030294263305345	0.377075212448306
UCS	NCOR2	cg16181859	-0.169493612323754	57	-1.27545242788376	0.207510167908704	0.0287280846185549	0.392469269724053
UCS	NCOR2	cg19895345	-0.0976212303386667	57	-0.727452997497432	0.470033920729111	0.00952990461283502	0.658653700360265
UCS	NCOR2	cg23611643	-0.231457719648189	57	-1.7644500961303	0.0832089164598493	0.0535726759847396	0.208733063814394
UCS	NCOR2	cg24626542	-0.0776347550160597	57	-0.577497717125091	0.565959997777957	0.0060271551864036	0.735128098362693
UCS	NCOR2	cg25113767	0.108903016515616	57	0.812478701383453	0.420019914642372	0.0118598670062006	0.615325773787968
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UCS	ORC1	cg00298020	-0.0369907011690234	57	-0.274518259647851	0.784714889355259	0.00136831197297599	0.881074244472231
UCS	ORC1	cg02275620	0.0639461217591351	57	0.475209718288124	0.63651932414191	0.00408910648803413	0.786086503336512
UCS	ORC1	cg04407474	0.356081831912635	57	2.82600465002788	0.00655725536575817	0.126794271018258	0.0307561638649877
UCS	ORC1	cg07142859	0.148623150466879	57	1.11459760842476	0.269869803518086	0.0220888408547005	0.465917698510563
UCS	ORC1	cg08613513	-0.0750599890690085	57	-0.558234545832527	0.578949740092629	0.00563400195903967	0.745058992237651
UCS	ORC1	cg10586599	-0.165716229612735	57	-1.24621527262482	0.217967448521689	0.0274618687570608	0.405517606868145
UCS	ORC1	cg13460942	0.0509709039123148	57	0.378502341041601	0.706514568815213	0.00259803304563843	0.832690882138149
UCS	ORC1	cg16136434	0.0307790921953158	57	0.228372057026495	0.820203977563621	0.000947352516367748	0.903333308283207
UCS	ORC1	cg16965475	-0.107404256699334	57	-0.801165683247669	0.42648336180391	0.0115356743571364	0.621098630577209
UCS	ORC1	cg17146111	0.0556060929085348	57	0.413024860659782	0.681194224505818	0.0030920375685526	0.816090298008865
UCS	ORC1	cg19776520	-0.015793532697909	57	-0.117142583981049	0.907173793530927	0.000249435675079919	0.9509017960717
UCS	ORC1	cg21197365	-0.0420510894971864	57	-0.312135321946791	0.756117986974286	0.00176829412790038	0.863941289251342
UCS	ORC1	cg23606758	0.13129446048658	57	0.982208350196589	0.330298265593598	0.0172382353544622	0.530027914634963
UCS	ORC1	cg25605769	0.112629023858804	57	0.840628021407536	0.404196141280801	0.012685297015387	0.600650135908283
UCS	PADI1	cg14524955	-0.238324324878222	57	-1.81989977405909	0.0742178674440894	0.0567984838286605	0.192392695099816
UCS	PADI1	cg21010178	0.101547553241055	57	0.757010033039276	0.452274734570208	0.0103119055692449	0.642704216656563
UCS	PADI1	cg22193702	-0.185857507232666	57	-1.40279751474104	0.166297153310047	0.0345430129947404	0.338653981429853
UCS	PADI2	cg00569276	0.139780377997927	57	1.0469171033922	0.299716979551232	0.0195385540732433	0.497974941420882
UCS	PADI2	cg01603374	-0.0319617719198524	57	-0.237156009446477	0.813416914434025	0.00102155486425666	0.899487639537747
UCS	PADI2	cg07014827	0.0322222632464828	57	0.23909085311194	0.811923839316805	0.00103827424872564	0.898707279782236
UCS	PADI2	cg09313801	-0.055913518460045	57	-0.415315464054013	0.679526789458828	0.00312632154658179	0.815107679796672
UCS	PADI2	cg10233913	0.173372669891899	57	1.30553679927132	0.197145008527637	0.0300580826654455	0.379385525109168

UCS	PADI2	cg15185794	0.308176232240252	57	2.40242378910052	0.019689671439882	0.0949725901177979	0.0719463738841796
UCS	PADI2	cg171783414	0.33900940267288	57	2.672413361266	0.00989021346787596	0.114927375100623	0.0422514698802824
UCS	PADI2	cg18228326	0.197988436275575	57	1.49797492013028	0.139857492246908	0.0391994208988475	0.301128497740333
UCS	PADI2	cg18879300	0.208253244646892	57	1.5790685728317	0.120055006507402	0.0433694139059581	0.270806053590723
UCS	PADI2	cg19282714	-0.268031506957522	57	-2.06326958736236	0.043819789529087	0.0718408887219203	0.130976167311861
UCS	PADI3	cg01459162	0.258011735774799	57	1.98052323048978	0.0526552738226453	0.0665700557975248	0.149799391909266
UCS	PADI3	cg12858514	-0.429604394184	56	-3.49598509207284	0.000952511633873232	0.184559935502202	0.00644457210345575
UCS	PADI3	cg14664242	-0.365579735815508	57	-2.91283848814522	0.00516709784228852	0.133648543238937	0.0254491427377647
UCS	PADI3	cg17589397	0.0299023359602747	57	0.221860869305865	0.825243927209098	0.00089414969588114	0.906087619060655
UCS	PADI3	cg18768338	-0.483605765297428	57	-4.09753682934334	0.000138468027056448	0.233874536228911	0.00127222720215005
UCS	PADI3	cg21966975	-0.48560404536018	57	-4.1196785649313	0.000128689280359019	0.235811288870172	0.00119537359716413
UCS	PADI4	cg16091981	-0.221172718861922	57	-1.68191396598585	0.0982556666695846	0.0489173715687747	0.235096466613727
UCS	PADI4	cg18333690	-0.209218955091119	57	-1.58672540398614	0.118307994006159	0.0437725711694197	0.268124805853148
UCS	PADI4	cg19159961	-0.170207971619181	57	-1.2809880716049	0.205573031788839	0.0289707536027159	0.389867099828887
UCS	PADI4	cg21295838	-0.154201973680083	57	-1.15743613584949	0.252096161006493	0.023778248686833	0.445930301947273
UCS	PADI4	cg23228178	-0.0108172422282508	57	-0.0802275094049434	0.936347526957001	0.000117012729424652	0.96603425854132
UCS	PADI4	cg26918754	-0.169565336163668	57	-1.27600812966061	0.207315094107703	0.0287524032282978	0.392262445117709
UCS	PADI6	cg12643633	0.156956822980643	57	1.1786315423024	0.243618999335302	0.0246354442801769	0.436312278340827
UCS	PADI6	cg16017904	0.129350157028962	57	0.967413700839856	0.337572172319047	0.0167314631234171	0.537022828241513
UCS	PARP1	cg00653565	-0.0863055223130513	57	-0.642456069304312	0.523246255037868	0.0074486431817286	0.702707353643715
UCS	PARP1	cg02088626	0.10388291206817	57	0.774607281895993	0.441889151516209	0.0107916594197632	0.634354868023324
UCS	PARP1	cg03149313	0.276375121319922	57	2.13272264791444	0.0374262908490522	0.0763832076846017	0.116624909686007
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UCS	PCGF1	cg03203239	0.279966722713809	57	2.16277895324824	0.0349225052227205	0.0783813658271105	0.110671393649027
UCS	PCGF1	cg08092637	0.165374536972765	57	1.2435733559802	0.218931230376615	0.0273487374789564	0.406820402147817
UCS	PCGF1	cg27306986	0.100377210272997	57	0.748196113990475	0.457529388167937	0.0100755843421894	0.647699692885492
UCS	PCGF2	cg09395368	0.171231874916197	57	1.28892603317912	0.202818839078362	0.0293203549873162	0.386613627876359
UCS	PCGF2	cg17902383	-0.120948829344471	57	-0.903614188905198	0.370140873314889	0.014628619319798	0.568841151692187
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UCS	PCGF5	cg03905463	-0.0625735825632867	57	-0.46496928387239	0.643789121892435	0.00391545323480446	0.790886546885672
UCS	PCGF5	cg06001881	-0.0182474552258718	57	-0.135349285315719	0.892829866944089	0.000332969622220196	0.943213914541121
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UCS	PCGF5	cg07424295	0.283494168730875	57	2.19239428029574	0.0326003991251583	0.0803689437044099	0.104997741555956
UCS	PCGF5	cg08633154	-0.140536574012177	57	-1.0526946081465	0.2970833995889488	0.0197505286350801	0.495133628472842
UCS	PCGF5	cg11113644	-0.136583742288813	57	-1.02251460951559	0.311013978282285	0.0186551186576168	0.509916361282473
UCS	PCGF5	cg12783297	-0.0577984653437048	57	-0.429362669107767	0.669336651874893	0.00334066259608745	0.808277037919501
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UCS	PCGF5	cg17001035	0.326926367855903	57	2.56552702306732	0.0130581544882629	0.106880849999453	0.0525066454881853

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UCS	PCGF6	cg06691148	0.0608293237560423	57	0.451959285118032	0.653075739998667	0.00370020662861741	0.797393518841982
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UCS	PHF1	cg10033570	0.241965602194957	57	1.84942078988752	0.0697734521485018	0.058547352645568	0.183913040718109
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UCS	PHF1	cg20872639	-0.0544338787515075	57	-0.404291861520013	0.687566008095357	0.00296304715593382	0.820259418395653
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UCS	PHF11	cg24481868	-0.300981534597321	57	-2.34067602368895	0.0229027649720304	0.0905898841685584	0.0806636045922732
UCS	PHF11	cg24984523	-0.308507828655461	57	-2.40528053862387	0.0195513167866536	0.0951770803417072	0.0715584633310246
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UCS	PHF12	cg01406758	-0.407442247853026	57	-3.30877145330978	0.00165698639606804	0.166009185335526	0.0101980695961802
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UCS	PPARGC	cg27461259	0.0487903512700077	57	0.362270378216062	0.718538308435719	0.00238049837705074	0.840179008769643
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UCS	PRDM12	cg13795948	0.367349461996389	57	2.92913271882634	0.00493887283567466	0.134945627229037	0.0245347811863649
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UCS	PRDM12	cg23342516	0.436576931244381	57	3.59882204479426	0.000685930234717387	0.190599416894761	0.0049018240565501
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UCS	PRDM13	cg01422797	0.504715397731628	57	4.33584055489168	6.24025580727934e-05	0.254737632707395	0.000644009631562071
UCS	PRDM13	cg01815538	-0.0475005078265626	57	-0.352671284759367	0.725682858252638	0.00225629824378134	0.844610596572497
UCS	PRDM13	cg02400433	0.0233947723724734	57	0.17354777465746	0.862858044309685	0.000547315374359845	0.927067353520838
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UCS	PRDM13	cg11809464	0.294562256790052	57	2.28595473616064	0.0261330031403317	0.0867669231252487	0.089080310502978
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UCS	PRDM13	cg17879189	0.256423979025016	57	1.96747482278697	0.0541798392171724	0.0657532570190218	0.153033118518698
UCS	PRDM13	cg17978124	0.530567761391202	57	4.64204627803427	2.18297916468076e-05	0.281502149427671	0.000258521359624258
UCS	PRDM13	cg25273233	0.14723324115566	57	1.10394191905085	0.274424857189616	0.0216776273012008	0.470918236648189
UCS	PRDM13	cg25924096	0.0117472222572851	57	0.0871257436951422	0.930887997511824	0.000137997230762055	0.963434277178975
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UCS	PRDM14	cg00384539	-0.0316332301309205	57	-0.234715778323768	0.81530097885422	0.00100066124851578	0.900598136327283
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UCS	PRDM14	cg04838988	0.0914518204163703	57	0.681078911940352	0.498679185965097	0.00836343545746804	0.682925194397929
UCS	PRDM14	cg09050331	0.0418370934804613	57	0.310544087645577	0.757321048256037	0.00175034239089286	0.864631994933965
UCS	PRDM14	cg10457247	0.0302197379297206	57	0.2242179796799	0.823418551957373	0.000913232560540997	0.904987433525432
UCS	PRDM14	cg11229513	0.0272952517320444	57	0.202502453935019	0.840271175466782	0.000745030767115671	0.914424968625297
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UCS	PRDM14	cg18035229	-0.00570711179839214	57	-0.042325763189398	0.966392292332868	3.25711250793468e-05	0.982353612828213
UCS	PRDM14	cg21255438	0.0131215626541695	57	0.0973204915624366	0.922825670623167	0.000172175406487296	0.959437909616662
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UCS	PRDM4	cg00090609	-0.233787346465001	57	-1.78323069273778	0.0800670935277093	0.0546565233671464	0.203194998169721
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UCS	PRDM5	cg05713693	-0.306640563358764	57	-2.38920637774406	0.0203413011181601	0.0940284350969798	0.0737661373851457
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UCS	PRMT2	cg04493422	0.103434381804965	57	0.771226549445861	0.443873447737552	0.0106986713393753	0.63593603921426
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UCS	PRMT3	cg01769160	-0.00655284039070171	57	-0.0485982083995646	0.96141554825946	4.29397171860118e-05	0.979816870308994
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UCS	PRMT3	cg23071995	-0.224459851783069	57	-1.70822706685753	0.0932330172874452	0.0503822250624771	0.22652079536711
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UCS	PRMT7	cg09779635	-0.230165845181621	57	-1.75404932883179	0.0849925845011999	0.0529763162881701	0.212022226028102
UCS	PRMT7	cg10233539	0.172277673310908	57	1.2970381813905	0.200032837577059	0.02967959672142	0.38297953511319
UCS	PRMT7	cg10446007	-0.0466869585787631	57	-0.346617714130541	0.730201188128716	0.00217967210133514	0.847435123959979
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UCS	PRMT7	cg19328639	0.0267563457945452	57	0.198501437715287	0.843384691590395	0.000715902040277277	0.916344534882447
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UCS	PRMT8	cg19656577	-0.128133614477418	57	-0.958162533821056	0.342173929450426	0.0164182231590477	0.541368286916136
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UCS	PRMT8	cg24100636	-0.137055444359058	57	-1.02611342395841	0.309330013485337	0.018784194828459	0.507947632064978
UCS	PRMT8	cg27316886	-0.174587220316752	57	-1.31496915314839	0.19397673616567	0.0304806974979302	0.375167365273285
UCS	PWWP2E	cg00259755	0.0531383348324727	57	0.394642004152651	0.694633342182362	0.00282368262876798	0.824961929374308
UCS	PWWP2E	cg05010219	-0.023910751475037	57	-0.177377591680267	0.859863443928401	0.000571724036100984	0.925481304917936
UCS	PWWP2E	cg15012692	0.17567156516607	57	1.3233955433335	0.191178973930801	0.0308604988078968	0.371647186215521
UCS	PWWP2E	cg15278699	0.0640678601321976	57	0.476118131013498	0.635876151263962	0.00410469070191884	0.78562006216508
UCS	PWWP2E	cg19919881	0.103963258852011	57	0.775212934635471	0.441534219882629	0.0108083591911303	0.63409106703986
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UCS	PYGO1	cg06364757	-0.0866897578092768	57	-0.645337917795928	0.521391382545835	0.00751511410903106	0.701409718713611
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UCS	RNF17	cg01405147	0.104695556991355	57	0.780733694761421	0.438306622212455	0.0109611596537302	0.630993474377211
UCS	RNF17	cg07131398	0.12945012634818	46	0.865961251321037	0.391208896045206	0.0167573352115597	0.588397905360106
UCS	RNF17	cg12020676	0.102476867919024	57	0.764011014608659	0.448125996057797	0.0105015084584931	0.639586692639479
UCS	RNF17	cg14855529	0.0616039580197508	57	0.457736571944359	0.648944944535183	0.00379504764369922	0.794623544279576
UCS	RNF17	cg15523998	0.172813294981483	57	1.30119469072003	0.198616514881588	0.029864434922357	0.381293911080085
UCS	RNF17	cg17806989	0.143098234972438	57	1.07228029712575	0.288276692269693	0.0204771048522271	0.485825631992991
UCS	RNF17	cg20477497	0.118947556939636	57	0.888446181573623	0.378169961499619	0.0141485213019078	0.576782221403391
UCS	RNF17	cg21831927	0.132815033957764	57	0.993786768870265	0.324678886295246	0.017639833245202	0.524054166258242
UCS	RNF17	cg23678722	0.0579215922036736	57	0.430280407064062	0.668673051493946	0.00335491084340866	0.807870032115546
UCS	RNF17	cg24753530	0.0722797214257661	57	0.537446505628917	0.593127167621148	0.00522435812938635	0.755258042981629
UCS	RNF20	cg04845236	-0.0665418656312919	57	-0.494583862119099	0.622863773621428	0.00442781988169291	0.776647930839964
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UCS	RNF20	cg21219529	0.128099306297213	57	0.957901702101029	0.342304268371513	0.0164094322738272	0.541530448076086
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UCS	RNF217	cg03113502	-0.108074449293216	57	-0.806223778574343	0.42358619186814	0.0116800865900318	0.618628122668633
UCS	RNF217	cg06993703	-0.184030423134754	57	-1.38852132925133	0.170576412594245	0.0338671966391567	0.344416008672295
UCS	RNF217	cg07439975	0.0128489790834203	57	0.0952984462726011	0.924424147315863	0.000165096263486172	0.960171416536241
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UCS	RNF217	cg16203203	-0.326517232230424	57	-2.56193294893018	0.0131791690798048	0.106613502943417	0.0528839056787711
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UCS	RNF217	cg18192252	-0.212528625042503	57	-1.61300379547544	0.112467508764581	0.0451684164624567	0.259077237180771
UCS	RNF217	cg19171596	-0.150816050480312	57	-1.13142316029465	0.262786255957657	0.0227454810824799	0.458173899304363
UCS	RNF217	cg19478500	-0.235389916552975	57	-1.79616886099419	0.077960770682948	0.0554084128148166	0.199227389610054
UCS	RNF217	cg20034100	-0.107365576454061	57	-0.800873788469003	0.426650914543177	0.0115273670073128	0.621174357326916
UCS	RNF217	cg23521835	-0.0272900070514912	57	-0.202463514843267	0.840301464856997	0.000744744484870437	0.914424968625297
UCS	RNF217	cg24822696	-0.0526068395938188	57	-0.390683743392578	0.697540231922765	0.00276747957204979	0.826595341881637
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UCS	RPH3A	cg17453780	-0.108882503580159	57	-0.812323826897436	0.420107997733438	0.0118553995858833	0.615396870011018
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UCS	RPH3A	cg19712198	-0.156753865241682	57	-1.17706905952098	0.244236807324928	0.0245717742682073	0.436996209412254
UCS	RPH3A	cg20704159	-0.0210562753319775	57	-0.156192146300293	0.876453466708503	0.000443366730856045	0.934600172562455
UCS	RPH3A	cg21900624	-0.132627382920716	57	-0.992357514008439	0.325369070492797	0.0175900227003981	0.524823896794683
UCS	RPH3A	cg23199238	-0.0463410343035858	57	-0.344043922728222	0.732125172401097	0.00214749146032611	0.848679811700381
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UCS	RPH3A	cg23596620	-0.102740757617898	57	-0.765999392368835	0.446951757776489	0.0105556632758996	0.638582252097636
UCS	RTF1	cg04910470	-0.490918647147259	57	-4.17898012267607	0.000105678732025902	0.241001118116895	0.00100997190162445
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UCS	RTF1	cg07129439	0.0721646609373321	57	0.536586474044436	0.593717213944504	0.0052077382882001	0.755584646765428
UCS	RTF1	cg15581235	-0.0662352915012503	57	-0.492295133011106	0.624470146528541	0.0043871138402556	0.777554188338956
UCS	RTF1	cg18782716	0.09190832539953	57	0.684507580790244	0.496529129731521	0.0084471402777459	0.68123747139695
UCS	RTF1	cg22263512	0.217547941725151	57	1.65296789819031	0.104035171634481	0.0473271069488495	0.245051386505975

UCS	RTF1	cg24280607	-0.216970228823647	57	-1.64836117789025	0.104980076580021	0.0470760801957858	0.246634858740257
UCS	RTF1	cg27576415	0.0789737186168089	57	0.587519773989706	0.559259131400072	0.0062368482321669	0.730119428721395
UCS	SATB1	cg01069104	-0.173902147683497	57	-1.3096480335211	0.19575931539306	0.0302419569689328	0.377625971575276
UCS	SATB1	cg01373248	0.572369275065224	57	5.17661578495088	3.29066441472429e-06	0.327606587038691	4.91063317748059e-05
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UCS	SATB1	cg14415616	-0.369274405119556	57	-2.94689783211138	0.00470073932992012	0.136363586276402	0.0236157129758996
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UCS	SATB1	cg26131754	-0.174408164032452	57	-1.31357819127657	0.194441523422765	0.0304182076811708	0.375814755977701
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UCS	SCML2	cg00457389	-0.0867067624899211	57	-0.645465463236937	0.521309369633894	0.00751806266148359	0.701372161137615
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UCS	SCML2	cg08300622	-0.25870594710251	57	-1.98623374955623	0.0519997384016363	0.0669287670662068	0.14848288244079
UCS	SCML2	cg17710066	-0.394974794952959	57	-3.18845882488415	0.00236104838836368	0.156005088648132	0.0135955143097235
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UCS	SETD6	cg05502081	-0.186210034041433	57	-1.40555376304542	0.165480606826923	0.0346741767777117	0.337580056809826
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UCS	SETD6	cg19824325	-0.233398636814748	57	-1.78009481127845	0.0805847052843876	0.0544749236669824	0.204062581390373
UCS	SETD6	cg26666090	-0.181714962297797	57	-1.37045052246441	0.176114040976264	0.0330203275228899	0.351956629170177
UCS	SETD7	cg05316864	-0.0735491994244	57	-0.546936790631966	0.586634524981136	0.00540948473597016	0.75071385955787
UCS	SETDB1	cg02060408	-0.412392350689499	57	-3.35714846040029	0.00143422129591804	0.17006745090721	0.00905852167692198
UCS	SETDB1	cg08531528	-0.0781334793632715	57	-0.581230266545641	0.563459746868637	0.00610484059741078	0.733362124573769
UCS	SETDB1	cg10589385	-0.113278517293772	57	-0.845538468838656	0.401473805900804	0.0128320224802753	0.598044827057518
UCS	SETDB1	cg10961700	-0.340624022313059	57	-2.68680754244993	0.00952204510404394	0.116024724576727	0.0409892638791498
UCS	SETDB1	cg12082615	0.137221912520524	57	1.02738364961051	0.308737127584254	0.0188298532757903	0.507348882621238
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UCS	SETMAR	cg00300090	0.106894706915414	57	0.797320735365227	0.428693588883987	0.0114264783665324	0.622848293994488
UCS	SETMAR	cg02520519	0.135582440771528	57	1.01487760276861	0.314608053390113	0.0183825982455648	0.51363313547598
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UCS	SETMAR	cg27265118	-0.378592696227853	57	-3.03352384257721	0.0036851402866637	0.143332429637075	0.0194149941392872
UCS	SFMBT2	cg09060610	-0.0940404570922263	57	-0.700527168223919	0.486551170595061	0.00884360757011486	0.673034046929571
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UCS	SHPRH	cg00571935	-0.167435390762567	57	-1.25951459517453	0.21316336360469	0.0280346100798133	0.399576653773722
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UCS	SHPRH	cg12989205	0.191697262520731	57	1.44852921959903	0.153146492715554	0.0367478404579421	0.320287928652543
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UCS	SHPRH	cg15443174	0.147513992785029	57	1.10609375022745	0.273500678726351	0.0217603780673816	0.469871291039215
UCS	SHPRH	cg16339435	0.00581018333873565	57	0.0430902002170722	0.965785689346865	3.37582304297213e-05	0.982019656096601
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UCS	SHPRH	cg26814539	0.167183362826198	57	1.2575641867699	0.213862950784485	0.0279502768058761	0.400434543018394
UCS	SHPRH	cg27398948	-0.17764944000011	57	-1.33877833702914	0.186150374167559	0.0315593235323525	0.365046186236227
UCS	SIN3A	cg01088093	0.0500642696362264	57	0.37175273934076	0.711505373583886	0.00250643109420878	0.835771657827628
UCS	SIN3A	cg01664094	0.35824403263846	57	2.84568253900383	0.00621488314999744	0.128338786921066	0.0294877177220603
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UCS	SIN3A	cg10483776	0.166886415541488	57	1.25526647931916	0.214689291393037	0.0278510756922863	0.401565259219132
UCS	SIN3A	cg11184237	-0.304212928203491	57	-2.36835381418627	0.0214087012285122	0.0925455056861423	0.0767108149496053
UCS	SIN3A	cg15851274	-0.267249554943133	57	-2.05678651498164	0.0444623595771657	0.0714223246173027	0.132408198574469
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UCS	SIN3A	cg25697800	-0.211401765927157	57	-1.60405019451318	0.114430692093646	0.0446907066371205	0.262055380062793
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UCS	SIRT1	cg02720207	-0.423807893484701	57	-3.47009237205478	0.00101942129581763	0.179613130579939	0.0068196665060644
UCS	SIRT1	cg03211233	-0.503041078542615	57	-4.3165733497238	6.66027571044181e-05	0.253050326701317	0.000681032450865024
UCS	SIRT1	cg07832903	-0.29520481611644	57	-2.29141680621923	0.0257933084148523	0.0871458834583414	0.0881967665080665
UCS	SIRT1	cg10582690	-0.184547193871255	57	-1.39255767356497	0.169358018479105	0.0340576667657545	0.34282318153479
UCS	SIRT1	cg10705386	-0.37275744975335	57	-2.97915442814602	0.00429543638714619	0.138948116346621	0.0219870495000428
UCS	SIRT1	cg19192316	-0.0314880541483184	57	-0.233637513772484	0.816133840512407	0.00099149755404743	0.90100712121824
UCS	SIRT1	cg19681528	0.116303161352617	57	0.868420639445828	0.388937773791265	0.0135264253406129	0.586581078172961
UCS	SIRT1	cg19980381	0.206886202295413	57	1.56823794756186	0.122561540869367	0.0428019007002186	0.274668064137111
UCS	SIRT1	cg25513531	-0.220521164582163	57	-1.67670554622356	0.0992757243334447	0.0486295840286733	0.237005330473086
UCS	SIRT4	cg04118464	-0.371678703007264	54	-2.88703640780958	0.00565305615303129	0.138145058269162	0.0273610309443735
UCS	SIRT4	cg07106325	0.296441168104524	57	2.30193599689518	0.0251501393134216	0.0878773661471748	0.0866257831288551
UCS	SIRT4	cg08264848	-0.469703393530527	57	-3.94576094802863	0.000227668883532253	0.220621277894093	0.00193607706259614
UCS	SIRT4	cg12124973	-0.40199413426973	57	-3.25593135881902	0.00193750569139682	0.16159928398727	0.0115880923930594
UCS	SIRT4	cg20010714	-0.053858459903346	57	-0.400005605052513	0.690701748514017	0.00290073370316033	0.822238021974067
UCS	SIRT4	cg21068152	0.0347748216795944	57	0.258053057390749	0.797329132950497	0.00120928822284759	0.889144436850252
UCS	SIRT4	cg21123573	-0.449238423059066	50	-3.48374032430565	0.00106562369710559	0.201815160752596	0.00707874049121612
UCS	SIRT5	cg01064902	0.0552415912060744	57	0.410309140018959	0.683173196841338	0.00305163339897904	0.817466632957133
UCS	SIRT5	cg02206980	-0.0402553691637693	57	-0.29878399499245	0.766230884829608	0.00162049474651135	0.870378001594741
UCS	SIRT5	cg02712746	-0.246871029161987	57	-1.88932220194437	0.0641247798537665	0.0609453050394987	0.172828545036859
UCS	SIRT5	cg06139021	0.0697050780005625	57	0.518207158888467	0.606392241743893	0.0048587978990645	0.764788399439454
UCS	SIRT5	cg07534331	-0.175824135861089	57	-1.32458156069954	0.190787649415192	0.0309141267512988	0.371090469012037
UCS	SIRT5	cg07909422	-0.197847947029718	57	-1.49686866400746	0.140144507486191	0.0391438101438742	0.30156285274751
UCS	SIRT5	cg08619119	-0.315679113257961	57	-2.46730196593007	0.0167549966729432	0.0996533025473323	0.0635234763475287
UCS	SIRT5	cg10907941	-0.510072940437449	57	-4.39793648745837	5.05454080792681e-05	0.260174404566505	0.000534983602193004
UCS	SIRT5	cg11824369	-0.416028488890581	57	-3.39291195731431	0.00128810132839319	0.173079703568581	0.00828290252446852

UCS	SIRT5	cg19366958	-0.0141848469842049	57	-0.10520822574387	0.916593343617003	0.000201209883965308	0.955965445412805
UCS	SIRT5	cg20150972	-0.326337934738765	57	-2.56035840854672	0.0132325049717677	0.106496447649563	0.0530486725984899
UCS	SIRT7	cg11691214	-0.286621321242735	57	-2.21872973532837	0.0306507206699697	0.0821517817909313	0.100270906804021
UCS	SIRT7	cg12710567	-0.270595678407389	51	-1.9675738564875	0.0547909286722729	0.0732220211727549	0.154211487161027
UCS	SIRT7	cg17552093	-0.111572637854818	57	-0.832643620664059	0.408646825685064	0.0124484535178824	0.604615809069668
UCS	SIRT7	cg20397086	-0.315466834442798	55	-2.42021776174852	0.018971915929492	0.0995193236333598	0.0698519204798573
UCS	SMARCA	cg03460558	-0.177123139931004	57	-1.33468344539511	0.187479072459577	0.0313726066990178	0.366810366009918
UCS	SMARCA	cg06675660	-0.255032207204895	57	-1.95605107305513	0.0555454985334369	0.0650414267118003	0.155651079290211
UCS	SMARCA	cg08617833	-0.228958587297398	57	-1.74433865474761	0.0866864713358661	0.0524220346972204	0.215103906072529
UCS	SMARCA	cg12935118	-0.272490065155789	57	-2.10031944502147	0.0403000605269063	0.0742508356086061	0.123114192367176
UCS	SMARCA	cg17420696	-0.16324671005252	57	-1.22713163327876	0.224999987385584	0.0266494883429716	0.414277745347426
UCS	SMARCA	cg18959966	-0.347503609157923	57	-2.74844239415197	0.00808334595839219	0.120758758377782	0.0362190885547265
UCS	SMARCA	cg24447042	-0.336467485992807	57	-2.64980640069196	0.0104948127832158	0.113210369130319	0.0442511363499994
UCS	SMARCA	cg26010110	-0.248026903027111	57	-1.89874660334634	0.0628487295689186	0.0615173446252197	0.170280133004121
UCS	SMARCA	cg27353825	-0.174267075261894	55	-1.28839797739488	0.203203706019785	0.0303690135203347	0.387072211217021
UCS	SMARCA	cg04518912	-0.178840516671092	57	-1.34804992683929	0.183168398025192	0.0319839304031832	0.361274842958567
UCS	SMARCA	cg13529335	-0.168930209729698	57	-1.27108802364606	0.20904700911786	0.0285374157593198	0.394350081896137
UCS	SMARCA	cg14290704	-0.0905613497167884	57	-0.674392103832648	0.502886951479254	0.00820135806252645	0.68642793857802
UCS	SMARCA	cg21210735	-0.397078820219982	57	-3.20861303187741	0.00222618508852636	0.157671589467293	0.0129512296422988
UCS	SMARCA	cg08405378	-0.421045870431271	57	-3.44258467004644	0.00110841165217718	0.177279625007227	0.00731115618699943
UCS	SMARCA	cg17218495	0.0665580450222535	57	0.494704653261932	0.622779045981501	0.00442997335718433	0.776579625612465
UCS	SMARCA	cg17747332	0.158808927212464	57	1.19289718326004	0.238030466073674	0.0252202753623737	0.429616771326978
UCS	SMARCA	cg18522266	-0.383646720977522	57	-3.08095511188574	0.00321986407805701	0.147184806516805	0.0174554777761928
UCS	SMARCA	cg23892580	-0.216919692236785	57	-1.64795828239282	0.105063048059667	0.0470541528801015	0.246755268567271
UCS	SMARCA	cg01278696	-0.0750027927833923	57	-0.557806759444847	0.579239835587568	0.00562541892530848	0.745346010713387
UCS	SMARCA	cg01575392	-0.194130219771079	57	-1.46762875175344	0.147900761812924	0.0376865422283674	0.312800940422499
UCS	SMARCA	cg02782292	0.296499147534121	57	2.30242961117004	0.0251203119277917	0.0879117444884607	0.0865455666270592
UCS	SMARCA	cg05358385	-0.178610659851869	57	-1.34626019800173	0.183741169610596	0.0319017678127199	0.362000919443167
UCS	SMARCA	cg10878459	-0.471927357977142	57	-3.96978033691128	0.000210559268584389	0.222715431207286	0.00181277642101084
UCS	SMARCA	cg12253543	-0.219782673149406	57	-1.6708050169065	0.100441802166816	0.0483044234166986	0.238975121808278
UCS	SMARCA	cg13848802	-0.0739413101404456	40	-0.457055995161679	0.650233047171687	0.00546731734528557	0.795392720372352
UCS	SMARCA	cg13898584	-0.272327351684098	57	-2.09896477453077	0.0404242816247034	0.0741621864752742	0.123341459569949
UCS	SMARCA	cg16091845	0.0862199260725395	57	0.641814118559485	0.523659913523446	0.00743387565195417	0.702965557114417
UCS	SMARCA	cg16587443	-0.245348441370864	47	-1.69773883404242	0.0964633672089313	0.0601958576831124	0.232114790864572
UCS	SMARCA	cg19993723	0.189820929661901	57	1.43381833247107	0.157285122081868	0.0360319853377084	0.325958729480443
UCS	SMARCA	cg20045045	0.0625524333948935	57	0.464811512039568	0.643901402666929	0.00391280692362259	0.790965649393637
UCS	SMARCA	cg22077701	-0.257669984182563	57	-1.97771322096125	0.0529804441339958	0.0663938207486425	0.150482334914019
UCS	SMARCA	cg24607315	-0.271395388545375	57	-2.09120946068548	0.0411418709118348	0.0736554569236953	0.124930352695861
UCS	SMARCB	cg01745726	-0.131264185375295	57	-0.981977892041374	0.330410767118121	0.0172302863622397	0.530142832158133
UCS	SMARCB	cg01912455	0.0247864704526015	57	0.183877877794019	0.854785517278369	0.000614369117497689	0.922585353596202
UCS	SMARCB	cg03979008	0.250960709737141	57	1.92270627837962	0.0597013999045729	0.0629812778317696	0.164078665448186
UCS	SMARCB	cg10122452	-0.21302719479586	57	-1.61696739223497	0.111607198092083	0.0453805857225932	0.257507203143089
UCS	SMARCB	cg16142952	0.223968089096488	57	1.70428668776265	0.0939714050829313	0.0501617049335323	0.22778834907991
UCS	SMARCB	cg19906397	0.48428210784484	57	4.10502156673752	0.000135084625394811	0.234529159978641	0.00124585339039287
UCS	SMARCC	cg02564102	0.154621417015025	57	1.16066147304592	0.250792716768801	0.0239077825997342	0.444412851832808
UCS	SMARCC	cg02627110	-0.358054487263232	57	-2.84395542017174	0.00624425774652151	0.128203015849336	0.0295982078438273
UCS	SMARCC	cg05592996	-0.572676598466457	56	-5.13343734834149	3.98868204645089e-06	0.327958486431112	5.82495834656656e-05
UCS	SMARCC	cg07143957	-0.158410015267987	57	-1.18982351951077	0.239226638849762	0.0250937329372039	0.431055661802899
UCS	SMARCC	cg07304068	-0.368380863689114	57	-2.93864598794412	0.00480999198341011	0.135704460732338	0.0240434695339848
UCS	SMARCC	cg07474652	-0.456308698644328	57	-3.8030950383084	0.000360443281265128	0.20821762845848	0.00284904741137364
UCS	SMARCC	cg12894336	-0.477618341895307	57	-4.03169105248406	0.000171984298216843	0.228119280514822	0.00153011739426819
UCS	SMARCC	cg16250355	0.120886643605175	57	0.903142704580512	0.370388800763307	0.0146135806021246	0.569064785847074
UCS	SMARCC	cg20685352	-0.279050054258347	57	-2.1550985220625	0.0355479261315589	0.0778689327815863	0.112143592464241
UCS	SMARCC	cg22984439	-0.0375052769618569	57	-0.278342411746169	0.781793307777921	0.0014066457999856	0.879452572309566
UCS	SMARCC	cg02553054	0.181041558560266	57	1.36519944380057	0.177748740314921	0.0327760459259303	0.354194608078082
UCS	SMARCC	cg04550398	-0.193953871118018	57	-1.46624341458919	0.148276441556701	0.0376181041216648	0.313264284787953
UCS	SMARCC	cg09878554	-0.0306027695744494	57	-0.227062563720124	0.821216978436926	0.000936529505626845	0.904039671818834

UCS	SMARCD	cg13349421	-0.307926769078951	57	-2.4002752668817	0.0197943041464678	0.0948188951154019	0.0722438703622011
UCS	SMARCD	cg17846064	-0.271029092909051	57	-2.08816307842967	0.041426767149782	0.0734567692031029	0.125569995076958
UCS	SMARCD	cg18591973	0.159439468823228	57	1.19775680404403	0.236148118801211	0.025420944218633	0.427419249296699
UCS	SMARCD	cg20405918	-0.272505940013899	57	-2.10045162152155	0.0402879579810987	0.0742594873428586	0.123091721120948
UCS	SMARCD	cg22402853	-0.234781108332143	57	-1.79125189721192	0.0787557236341441	0.0551221688296693	0.200646904892174
UCS	SMARCD	cg25107077	-0.242776062928975	57	-1.85600269283149	0.0688137397492765	0.0589402167312937	0.182022987761143
UCS	SMARCD	cg00945038	0.168335185230681	57	1.26648005245739	0.210678795326257	0.0283367345866476	0.396438154990345
UCS	SMARCD	cg02127607	0.1330560089138	57	0.995622327984495	0.323793935867236	0.0177039015080692	0.523196818745901
UCS	SMARCD	cg02360836	-0.312752868457645	57	-2.44193832210036	0.0178518121878253	0.0978143567284848	0.0667241343339254
UCS	SMARCD	cg04367190	0.270206425603375	57	2.08132474174801	0.0420725427248133	0.0730115124373521	0.127046365917732
UCS	SMARCD	cg06420487	-0.080160368588083	57	-0.596404445785781	0.553352004569389	0.00642568469217733	0.725303126206316
UCS	SMARCD	cg07362569	0.0775443912283199	57	0.576821463827342	0.566413571459346	0.00601313261097074	0.735398000235461
UCS	SMARCD	cg11697258	-0.0365162876237811	57	-0.27099277350214	0.787411060793917	0.00133343926182271	0.882875351725186
UCS	SMARCD	cg12577610	-0.163076810794652	57	-1.22581958330013	0.225489543212407	0.0265940462189548	0.414885882988155
UCS	SMARCD	cg15868002	-0.0820004369401674	57	-0.610186445267071	0.544251400718237	0.00672407165837837	0.718434382561121
UCS	SMARCD	cg19016967	-0.010752895058858	57	-0.0797502147500891	0.936725393235931	0.000115624752146812	0.96623637913225
UCS	SMARCD	cg19143629	0.0279685621647527	57	0.207501582357581	0.836384558069964	0.000782240469563636	0.912408855599265
UCS	SMARCD	cg21254277	-0.166481464512537	57	-1.25213363073725	0.215819786722992	0.027716078026239	0.403012109657427
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UCS	SMARCD	cg24795630	-0.218279425244289	57	-1.65880341241994	0.102848202144939	0.0476459074849772	0.243049702306175
UCS	SMARCD	cg25945412	0.15317740261955	57	1.1495603204188	0.255299359308932	0.0234633166732718	0.449592718915203
UCS	SMARCD	cg00864064	0.422553909204472	57	3.45758908947462	0.00105899449995623	0.178551806183981	0.00704131778885427
UCS	SMARCD	cg02917064	0.251769803710237	57	1.9293238592101	0.0588561581569731	0.0633880340602911	0.162346415901272
UCS	SMARCD	cg14795305	-0.106752876152421	57	-0.796250625575947	0.429309945598555	0.0113961765668142	0.623396332659468
UCS	SMARCD	cg19786287	0.00147938706977742	57	0.0109714401546895	0.991285933462698	2.18858610222461e-06	0.995343663118627
UCS	SMARCD	cg19902439	0.305851034663148	57	2.38241897653433	0.0206833808220563	0.0935448554045181	0.0747349246479818
UCS	SMARCD	cg22750243	0.14128427878229	57	1.05840908574145	0.294495410202186	0.0199612474310318	0.492285356939895
UCS	SMARCD	cg22787816	-0.14148928653429	57	-1.05997621932516	0.293788240630374	0.0200192182039825	0.491515137779292
UCS	SMNDC1	cg03999743	-0.137614342094611	57	-1.03037841202752	0.307342360472693	0.0189377071501326	0.50586898253666
UCS	SMNDC1	cg08770590	-0.0675293106996528	57	-0.501956592819279	0.617701688049257	0.00456020780357024	0.772961734656156
UCS	SMNDC1	cg11559952	0.15067817392888	57	1.13036476873169	0.263227914265873	0.0227039120985418	0.458664882909988
UCS	SMNDC1	cg12486840	0.26717254293176	57	2.05614825441055	0.0445260602929734	0.071381167696623	0.132521708684503
UCS	SMNDC1	cg17981675	0.0752509300886283	57	0.559662685169232	0.577981781659971	0.00566270247920362	0.744361792246067
UCS	SMNDC1	cg18209001	-0.152942322129407	57	-1.14775380746165	0.256038173368359	0.0233913538983352	0.450302571813309
UCS	SMNDC1	cg21872391	0.185113155454826	57	1.39697960512994	0.168030941874634	0.0342668803224426	0.341059803590034
UCS	SMNDC1	cg23721301	-0.359347971711119	57	-2.85574955732326	0.00604619324585471	0.129130964772895	0.0288421362133935
UCS	SMNDC1	cg26944434	0.0801810363068674	57	0.59655921138751	0.553249384988156	0.00642899858324319	0.725273979327693
UCS	SMYD1	cg00578637	-0.833260906238226	57	-11.1771606828571	8.92085696199434e-16	0.694323737864949	7.63464407592286e-14
UCS	SMYD1	cg00666842	-0.638198570988171	57	-6.14778628647408	9.27607799354839e-08	0.407297416011344	2.02589335044948e-06
UCS	SMYD1	cg03704645	-0.734343863929304	57	-8.02330469143409	7.99114503807195e-11	0.53926091049062	3.25137624001972e-09
UCS	SMYD1	cg14559139	-0.780544115271569	57	-9.26038011857117	8.12597172741389e-13	0.609249115885077	4.66201781766125e-11
UCS	SMYD1	cg16090764	-0.787433949205448	57	-9.47400318712936	3.72755516202779e-13	0.620052224361288	2.24096929114985e-11
UCS	SMYD1	cg18148488	-0.789523185185118	57	-9.5405944781879	2.92631812461928e-13	0.623346859944855	1.79676394780294e-11
UCS	SMYD1	cg19074493	-0.808067098733239	57	-10.172947034186	3.00873658441805e-14	0.652972436055155	2.12590057991115e-12
UCS	SMYD2	cg01770831	-0.0930555922265433	57	-0.693126276429848	0.491147001822862	0.00865934324463271	0.676818481781406
UCS	SMYD2	cg04406444	-0.0704276824528335	57	-0.523605844090056	0.602656228398987	0.00496005845567715	0.761954146466289
UCS	SMYD2	cg11523160	-0.185366241792209	57	-1.39895746707951	0.16743996360196	0.0343606435961678	0.340214735816102
UCS	SMYD2	cg14013804	0.18805576263121	57	1.41999389224654	0.161253252099757	0.0353649698588059	0.331460865368704
UCS	SMYD2	cg27570636	0.267180239232729	57	2.05621203794771	0.0445196909093051	0.0713852802364582	0.132521708684503
UCS	SMYD5	cg01329511	-0.265574266573227	57	-2.04291160231553	0.0458650691055819	0.0705296910659072	0.13547069580073
UCS	SMYD5	cg05103132	-0.0539022695679889	57	-0.400331926200711	0.690462825684916	0.00290545466458014	0.822142606626448
UCS	SMYD5	cg06754047	-0.0399278370715905	57	-0.29634908372957	0.768079675791171	0.00159423217321548	0.871477601926643
UCS	SMYD5	cg08834152	0.301427150213023	57	2.34448754376532	0.0226916374761007	0.0908583268855446	0.0801013361382965
UCS	SMYD5	cg15623359	-0.166171572367557	57	-1.24973663250966	0.216687718720877	0.0276129914631062	0.403992819589031
UCS	SMYD5	cg17895873	-0.0863703603143178	57	-0.642942347902343	0.522933022886579	0.00745983914082509	0.702550942724217
UCS	SMYD5	cg20402064	0.00478481738981612	57	0.0354855617014045	0.97182103782654	2.28944774538867e-05	0.985078841084054
UCS	SMYD5	cg25886337	0.0122306547669762	57	0.0907117483688423	0.928051197329385	0.000149588916028958	0.962072609637704

UCS	SMYD5	cg26467949	-0.110865548158081	57	-0.827300877884365	0.411641666073842	0.0122911697683919	0.607329156625482
UCS	SP100	cg05876232	0.270495770313492	57	2.08372932793281	0.0418444757914994	0.0731679617574897	0.12651748157952
UCS	SP100	cg09456094	-0.625089521135947	57	-5.93910671332732	2.01740031428183e-07	0.390736909433968	4.08808648213703e-06
UCS	SP100	cg11702456	-0.439777895111197	57	-3.63150686757511	0.000619560147198864	0.193404597028435	0.00449650733195153
UCS	SP100	cg11827097	-0.498258631411722	57	-4.26189578992907	8.0074015220072e-05	0.248261663776282	0.000795565509582411
UCS	SP100	cg23539753	-0.751765890830657	57	-8.45464156902215	1.5933108366704e-11	0.565151954616412	7.25702712107359e-10
UCS	SP100	cg27140170	0.133782729001554	57	1.00115900423805	0.321134410211224	0.0178978185791033	0.520530281034545
UCS	SP140L	cg04002454	-0.397748168244585	57	-3.21503719980338	0.00218474423664791	0.158203605341923	0.0127540141937407
UCS	SP140L	cg05217331	0.301031236311557	57	2.34110105777731	0.0228791349734575	0.0906198052352642	0.0806022745279028
UCS	SP140L	cg13278004	-0.43549784230863	57	-3.58784173325092	0.000709712073833143	0.189658370655473	0.00504351338921856
UCS	SP140L	cg24044052	-0.576193563854457	57	-5.22830841891298	2.73137820310667e-06	0.3319990230273	4.16718642738733e-05
UCS	SP140L	cg25095994	-0.575621491620153	57	-5.22054334907035	2.80898129406996e-06	0.33134010161501	4.26717224742976e-05
UCS	SP140L	cg26847438	-0.44795032288138	57	-3.71573974242304	0.000475627850559174	0.200659491769533	0.00359302709326086
UCS	SSRP1	cg01511567	0.250275815958166	57	1.91710789294144	0.0604245199836925	0.0626379840535259	0.165481416165999
UCS	SSRP1	cg01766191	-0.401405837299719	57	-3.2502504623166	0.00197019913929979	0.161126646218289	0.011749304089129
UCS	SSRP1	cg02688348	0.349391487671586	57	2.76544363418142	0.0077232599754759	0.122074411657364	0.034978359814413
UCS	SSRP1	cg04937561	-0.361708142934878	57	-2.87731865454365	0.00569893704026455	0.130832780665398	0.0275385494819765
UCS	SSRP1	cg08821673	-0.466074355422973	57	-3.90677287291044	0.000258329801667463	0.217225304782939	0.00215143010287106
UCS	SSRP1	cg09381635	-0.317805607882296	57	-2.48578265258829	0.0159945042761531	0.101000404401435	0.0612702612595556
UCS	SSRP1	cg11948159	0.202380042128331	57	1.53260465786731	0.131105714005845	0.040957681451865	0.287780760005944
UCS	SSRP1	cg12795368	0.292081077120047	57	2.26489525813672	0.0274801996308549	0.085311355611607	0.092456991099276
UCS	SSRP1	cg12911972	-0.44782574824855	57	-3.71444713169498	0.000477572198299388	0.200547900794374	0.00360351615853566
UCS	SSRP1	cg16313264	0.572252413994669	57	5.17504415159806	3.30932752198299e-06	0.327472825322726	4.9338027068828e-05
UCS	SSRP1	cg22636253	-0.420318448677627	57	-3.43535951856361	0.00113298172081775	0.176667598298767	0.00744607417329527
UCS	SSRP1	cg26706201	0.255585265863704	57	1.96058905067264	0.0549995145306185	0.0653238281266203	0.15463426065246
UCS	STK31	cg00755064	0.208468967068918	57	1.58077855209405	0.11966306150995	0.0434593102307816	0.270222948448396
UCS	STK31	cg05000488	-0.137867687274382	57	-1.03231203714896	0.306444083255725	0.0190074991943867	0.504881846177217
UCS	STK31	cg05407490	-0.126456812294105	57	-0.945418532375565	0.348580297658606	0.0159913253755866	0.547756080968339
UCS	STK31	cg11755819	-0.157660507512567	57	-1.18405008850578	0.241485239564893	0.0248568356291202	0.433728966516088
UCS	STK31	cg13313214	-0.117101189983157	57	-0.874461976556915	0.38566929555195	0.0137126886954715	0.583711229147245
UCS	STK31	cg13514718	0.0391912938632186	57	0.290873885063909	0.772241850275973	0.00153595751467315	0.873715186380969
UCS	STK31	cg13802883	0.0523044842344883	57	0.388432129102999	0.699195825803356	0.00273575907103584	0.827462387959934
UCS	STK31	cg14898779	-0.0886683477405214	57	-0.660182389460255	0.511892252076776	0.00786207589103403	0.693840827998921
UCS	STK31	cg17102984	-0.288049639880236	57	-2.23078401623435	0.0297931548923508	0.0829725950351337	0.0981755630165849
UCS	STK31	cg17331904	-0.0903062888576368	57	-0.672477077536838	0.504095550035518	0.00815522580723894	0.687370295212883
UCS	STK31	cg21519371	-0.101895466013729	57	-0.75963079442503	0.450719081553664	0.010382685994155	0.641492734704454
UCS	STK31	cg25570411	0.0366363300676067	57	0.271884821603404	0.786728603978906	0.00134222068082262	0.882494593060546
UCS	STK31	cg25612145	-0.133921280750064	57	-1.00221477745769	0.320628941714642	0.0179349094377375	0.52003602476334
UCS	SUV39H	cg05903800	-0.188978146814662	57	-1.42721603387801	0.159170641454401	0.0357127399735039	0.328614444449555
UCS	SUZ12	cg00160853	0.256945394932579	57	1.97175800488249	0.0536752747908213	0.0660209359770592	0.151956560539945
UCS	SUZ12	cg01109633	0.303059549277055	57	2.35846453594137	0.0219322159378865	0.0918450904080115	0.0780779251902488
UCS	SUZ12	cg07482957	-0.318236874389333	57	-2.48953572727736	0.0158439249164323	0.101274708221092	0.0608732860010338
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UCS	SUZ12	cg17335595	-0.571292912985323	57	-5.16215777387979	3.46633604126719e-06	0.326375592427256	5.14461214469154e-05
UCS	SUZ12	cg25098644	0.0266409836493521	57	0.197644973554918	0.844051504722745	0.000709742009805046	0.916678944644693
UCS	TAF3	cg00194465	-0.359040084134266	57	-2.85294049413601	0.00609283259878551	0.128909782015141	0.0290325749840696
UCS	TAF3	cg02334915	0.105535592507383	57	0.787068263598131	0.434620472188755	0.0111377612858843	0.628071170384158
UCS	TAF3	cg03672997	-0.0127127476482886	57	-0.0942878793023666	0.925223143382147	0.000161613952769067	0.960618337451796
UCS	TAF3	cg04179819	-0.20960896754082	57	-1.58981907158089	0.117607966247391	0.0439359192735284	0.267076979867807
UCS	TAF3	cg04234156	0.0947335703886822	57	0.705736898555635	0.483330390307039	0.00897444935858741	0.67019421456977
UCS	TAF3	cg05976695	-0.260481088937191	57	-2.00085093341629	0.0503536396552992	0.0678503976939049	0.145017438299435
UCS	TAF3	cg07855525	-0.348009357576518	57	-2.75299315595401	0.00798547688518869	0.121110512960821	0.0358797613957704
UCS	TAF3	cg09871669	0.297983835049013	57	2.31507919335457	0.0243665995495673	0.0887943659505173	0.0845710379833602
UCS	TAF3	cg09994553	-0.216245958676564	50	-1.53450397173396	0.131471395045357	0.0467623146439461	0.288331613935247
UCS	TAF3	cg11104088	0.0350464896381233	57	0.260071489746383	0.795779778270399	0.00122825643595508	0.888198838972216
UCS	TAF3	cg12176426	0.0743375434644407	57	0.552831586609671	0.582618796332932	0.00552607036832761	0.747739777974496
UCS	TAF3	cg12590721	-0.0565274778020202	57	-0.419890381685388	0.676201321557444	0.00319535574665789	0.812884395850588

UCS	TAF3	cg12777293	-0.280791592138598	57	-2.16969571973522	0.0343675515165441	0.0788439182157286	0.109291145921515
UCS	TAF3	cg27268107	-0.307790023433933	57	-2.3990977657561	0.0198518596095348	0.0947346985254608	0.0723826193505883
UCS	TCEA1	cg01677098	-0.297667218653674	57	-2.31238007001777	0.0245257130457183	0.0886057730610141	0.0849565108504145
UCS	TCEA1	cg06047473	-0.441617242652789	57	-3.65036576715419	0.000584105410003184	0.195025789008252	0.00427709866959598
UCS	TCEA1	cg11530293	-0.187918862109973	57	-1.41892231243891	0.161564051328071	0.035313498736707	0.331895998895469
UCS	TCEA1	cg11787876	0.422809313306382	57	3.46013371897796	0.00105082419110606	0.178767715418614	0.00699596209866534
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UCS	TCEA1	cg23569945	-0.459411387532529	57	-3.83584269571382	0.000324596173411673	0.211058822994563	0.00260998808417444
UCS	TCEA1	cg26181865	-0.565059581299117	57	-5.07919943961147	4.66787126865501e-06	0.319292330417933	6.69985936298428e-05
UCS	TCEA1	cg26358945	-0.0340998279723098	57	-0.253038251630305	0.801182053331443	0.00116279826774112	0.89147045207561
UCS	TDRD1	cg00337703	0.0731224841485085	57	0.543746483101347	0.588813350468093	0.00534689768804887	0.75225227922083
UCS	TDRD1	cg02635786	0.0840251359887127	57	0.625358582398453	0.534322017635333	0.00706022347792166	0.711082644038646
UCS	TDRD1	cg16550453	-0.5116565151428	57	-4.41642230084074	4.74608900991464e-05	0.261792389488074	0.000506748899859044
UCS	TDRD1	cg23504215	-0.0370844749257675	57	-0.275215137898168	0.784182253574949	0.00137525828051988	0.880959366835282
UCS	TDRD1	cg23825092	0.0380324844265374	57	0.282260668115075	0.778803110393283	0.00144646987165481	0.877694895904261
UCS	TDRD1	cg24203376	-0.0691441166347811	57	-0.514016698811435	0.609299450540367	0.00478090886520421	0.76686363784723
UCS	TDRD1	cg26600802	-0.566439784555496	57	-5.09745651410449	4.37247299784131e-06	0.320854029527277	6.32605847859525e-05
UCS	TDRD1	cg27547703	-0.0447712921420506	57	-0.332366064813494	0.740876297230089	0.00200446860006884	0.854292987085606
UCS	TDRD3	cg01557749	-0.403346927967626	57	-3.26901289445578	0.00186415700039961	0.162688744300921	0.0112279521282972
UCS	TDRD3	cg03447530	-0.23251713864912	57	-1.77298674223544	0.081768313164988	0.054064219765574	0.206180609177916
UCS	TDRD3	cg05666423	-0.358920089173815	57	-2.85184598993701	0.00611109478782659	0.12882363041254	0.0291088971298177
UCS	TDRD3	cg10765900	0.113206135200464	57	0.844991175092509	0.401776662627444	0.0128156290470256	0.598369171866362
UCS	TDRD3	cg18522102	0.164890757341875	57	1.23983363101437	0.220300867910641	0.0271889618567771	0.40845811807618
UCS	TDRD3	cg19937698	-0.0260708262685626	57	-0.193412163464583	0.847348700369565	0.000679687982325575	0.918533773341827
UCS	TDRD3	cg20944895	-0.347522001866362	57	-2.74860784526404	0.00807976851456803	0.120771541781203	0.0362065299813871
UCS	TDRD3	cg22045829	0.224253308881407	57	1.70657191984814	0.0935425906950491	0.0502895465442598	0.22710980277544
UCS	TDRD3	cg23103367	-0.136157764956458	57	-1.01926525750785	0.312539750634016	0.0185389369579381	0.511566179111737
UCS	TDRD3	cg23767211	0.390031205633815	57	3.14133762822364	0.00270693739614989	0.152124341368167	0.0151728141650035
UCS	TDRD3	cg26737458	-0.253940520305148	57	-1.94709954386991	0.0566361082398816	0.0644857878528491	0.15787406494243
UCS	TDRD5	cg05378938	-0.158282512634783	57	-1.18884122274754	0.239609834738234	0.0250533538059801	0.431538219270661
UCS	TDRD5	cg07171496	-0.204297428659446	57	-1.54775417786955	0.127416839463302	0.0417374393568615	0.282229436182617
UCS	TDRD5	cg07901138	-0.177902672122352	57	-1.34074903869005	0.185513481039039	0.0316493607482731	0.364256328721631
UCS	TDRD5	cg09656934	-0.557626222654929	57	-4.9819368775565	6.60469525408196e-06	0.310947004192404	9.08425853246202e-05
UCS	TDRD5	cg11853788	-0.541603432134707	57	-4.77810555441823	1.35740141232561e-05	0.293334277700094	0.000170953028121189
UCS	TDRD5	cg12277666	-0.150330263479225	57	-1.12769437891912	0.264344585054311	0.0225991881177333	0.459899869165046
UCS	TDRD5	cg13848905	-0.183216554442083	57	-1.3821668550993	0.172508204367291	0.0335683058216289	0.347113528802158
UCS	TDRD5	cg15545772	-0.167567996249717	57	-1.2605409121785	0.21279591871015	0.0280790333671453	0.399089819193284
UCS	TDRD7	cg24339935	0.255185224123961	57	1.95730640749176	0.0553940014486282	0.0651194986111961	0.155397243110403
UCS	TDRD9	cg07613153	0.0805288142825494	57	0.599163585492882	0.551523955797433	0.00648488992975333	0.723931608100723
UCS	TDRD9	cg08933517	0.119960275051622	57	0.896120371048212	0.374093991510865	0.0143904675904607	0.572737727527417
UCS	TDRD9	cg16701547	0.200235633762648	57	1.51568316976406	0.135326119455668	0.0400943090283294	0.29414142649609
UCS	TRIM24	cg00733782	-0.072865861732826	57	-0.541828007872761	0.590125421725795	0.00530943380606732	0.753149324218464
UCS	TRIM24	cg02308366	-0.328623318485064	57	-2.58045125662103	0.0125663740155793	0.107993285452136	0.0509771340756102
UCS	TRIM24	cg06386929	-0.160692453537503	57	-1.20741810071651	0.232438048108376	0.0258220646239025	0.423050492542554
UCS	TRIM24	cg06650216	-0.135682092332676	57	-1.01563751082194	0.314249178798663	0.0184096301797728	0.513325529862153
UCS	TRIM24	cg10571650	0.278525323130655	57	2.15070486831441	0.0359100999423932	0.077576355625036	0.113036753051652
UCS	TRIM24	cg10703331	-0.113321340176834	57	-0.845862266614176	0.401294691768152	0.0128417261394738	0.597880288258385
UCS	TRIM24	cg13935558	0.235867428059805	57	1.80002698920066	0.0773417154017834	0.0556334436195474	0.198185757369029
UCS	TRIM24	cg26889928	-0.00284453611647611	57	-0.0210957297905151	0.983245639281244	8.09138571793701e-06	0.991324666436562
UCS	TRIM33	cg00760200	-0.173485124604259	57	-1.30640987820392	0.196850121586059	0.0300970884589551	0.378997138015786
UCS	TRIM33	cg02852257	-0.356229136968528	57	-2.8273435966761	0.00653341773358465	0.126899198025342	0.0306753997927747
UCS	TRIM33	cg05792124	0.0858810348402013	57	0.639272658125243	0.525299263082769	0.00737555214522387	0.704278196515098
UCS	TRIM33	cg16036305	0.0108069413783255	57	0.080151102859662	0.936408015766325	0.000116789981954564	0.966075527863212
UCS	TRIM33	cg17645130	0.182253642864772	57	1.37465248961055	0.174814252573166	0.03321639033748	0.350267860832352
UCS	TRIM33	cg18199720	-0.160122783406219	57	-1.20302484762144	0.234119816223033	0.0256393057657549	0.425070946608974
UCS	TRIM33	cg20932765	-0.182054155090319	57	-1.37309624011808	0.175294784598782	0.0331437153856498	0.350941439937146
UCS	TRIM33	cg20992663	0.132487027570134	57	0.99128856046262	0.325885906415641	0.0175528124743695	0.525342289437987

UCS	TRIM33	cg21666217	-0.0375921974337665	57	-0.278988396906544	0.781300097954857	0.00141317330789928	0.879172666141421
UCS	TRIM33	cg21813112	-0.305351020441595	57	-2.37812327206966	0.0209025346587692	0.0932392456847236	0.0753378327114665
UCS	TRIM66	cg06492264	-0.0433137185763904	57	-0.321524878677767	0.749031416190477	0.00187607821691474	0.859365690220954
UCS	TRIM66	cg11245569	0.204988867013457	41	1.30792986409658	0.198554345306203	0.0420204355994609	0.381184915980826
UCS	TRIM66	cg12608775	-0.00073343566405274	57	-0.0054393059251073	0.995679764615483	5.37927873304491e-07	0.997806010453272
UCS	TRIM66	cg13143389	0.0406827682140199	57	0.301961473911319	0.763820330645877	0.00165508762955566	0.868811702985179
UCS	TRIM66	cg27044202	-0.045698965653919	57	-0.339267046978174	0.735700607547467	0.00208839546183807	0.850999093935641
UCS	UBE2A	cg00142683	-0.320817618463523	57	-2.51203058553571	0.0149679377364183	0.102923944316606	0.0582819834960169
UCS	UBE2A	cg00428314	-0.244434427765483	57	-1.8694834738339	0.0668828535907088	0.059748189477039	0.178309962722262
UCS	UBE2A	cg00935924	-0.252907325436823	57	-1.93863496034065	0.0576841816940463	0.0639621152596073	0.159941662711859
UCS	UBE2A	cg05206294	-0.219895180810059	57	-1.67170375529504	0.100263470346986	0.0483538905434885	0.238703082847203
UCS	UBE2A	cg06206449	-0.265792536360207	57	-2.04471820365736	0.0456802850030352	0.0706456723847919	0.135073628474139
UCS	UBE2A	cg06273903	-0.259126847590675	57	-1.98969764398016	0.0516055300108073	0.0671467231422808	0.147660754805824
UCS	UBE2A	cg09080960	-0.298850103956688	57	-2.32246833939248	0.0239357013457374	0.0893113846349234	0.0834253562047625
UCS	UBE2A	cg14625604	-0.288410027765535	57	-2.23382806663934	0.02957997504043	0.0831803441157166	0.0976426604275136
UCS	UBE2A	cg15661671	-0.271606785349225	57	-2.09296803732338	0.0409781871601513	0.07377024584774	0.124545127830005
UCS	UBE2A	cg16211147	-0.286464145370455	57	-2.21740423770506	0.0307463357160692	0.0820617065828252	0.100473848638826
UCS	UBE2A	cg17976175	-0.258474480755289	57	-1.98432936254817	0.0522175675873804	0.066809057201716	0.148924495101832
UCS	UBE2A	cg18990292	-0.224985403687293	57	-1.71243971031019	0.0924489071350987	0.0506184318723344	0.225165406153857
UCS	UBE2A	cg25165659	-0.255065737422351	57	-1.95632613792065	0.0555122726668367	0.0650585304068079	0.155594801597255
UCS	UHRF2	cg06523306	0.168777061526369	57	1.26990188135631	0.209466146954484	0.0284856964974758	0.394930065586804
UCS	UHRF2	cg08487038	0.166625094000005	57	1.25324472607505	0.21541834248776	0.0277639219505106	0.402484677942522
UCS	UHRF2	cg13428749	0.0155439296766319	57	0.115290796513586	0.908634528293095	0.000241613749792076	0.951487225531702
UCS	UHRF2	cg14078101	0.12181724596153	57	0.910199543509134	0.366689079093685	0.0148394414136518	0.565558599873394
UCS	UHRF2	cg20595300	0.194986529369468	57	1.47435774410882	0.14608659441364	0.0380197466355502	0.310111619663674
UCS	UHRF2	cg24119045	0.113761835088437	57	0.84919326974935	0.399454955073931	0.0129417551226887	0.596086832943709
UCS	USP27X	cg00478198	-0.23535059838516	57	-1.79585124517532	0.0780119178312365	0.0553899041602527	0.199294268898029
UCS	USP27X	cg01125381	-0.247362756230384	57	-1.89333043907556	0.0635794088053812	0.0611883331698923	0.171721575134737
UCS	USP27X	cg01290688	-0.237076348993626	57	-1.80980083389541	0.0757918491284026	0.0562051952521477	0.195372646909936
UCS	USP27X	cg01855997	-0.259241857002802	57	-1.99064435085643	0.0514982381700207	0.0672063404222612	0.147445951205277
UCS	USP27X	cg06455206	-0.250968765893666	57	-1.92277214846758	0.0596929358271797	0.0629853214541899	0.164061823846093
UCS	USP27X	cg06624970	-0.21092480284838	57	-1.6002624436754	0.115269500117993	0.0444892724566279	0.2632865172841
UCS	USP27X	cg16810342	-0.228860014883711	57	-1.74354615562013	0.0868259388939909	0.0523769064125726	0.215332092907394
UCS	USP27X	cg16867483	-0.22243870950666	57	-1.69204086949992	0.0962969545295984	0.0494789794869882	0.231843441466811
UCS	USP27X	cg19318186	-0.177459915795748	57	-1.33730360248262	0.186628065378143	0.0314920217142338	0.365660337943011
UCS	USP51	cg00834229	-0.205534564199569	57	-1.55753879991983	0.125078723998928	0.0422444570807066	0.278519986683439
UCS	USP51	cg01084827	-0.0654890816749665	57	-0.486724887618256	0.628387350583525	0.00428881981863043	0.780570130315914
UCS	USP51	cg02714202	-0.0458707947763736	57	-0.34054538332624	0.734743207414122	0.00210412981341618	0.850460940112165
UCS	USP51	cg03728850	-0.1649960194385	57	-1.24064725220619	0.220002350906044	0.0272236864305499	0.408147828354394
UCS	USP51	cg07386410	-0.146170618261149	57	-1.09579987171952	0.277941565792825	0.0213658496428466	0.47478505455056
UCS	USP51	cg12064531	-0.137976472234043	57	-1.03314238799209	0.306058887908887	0.0190375068901517	0.50454817873242
UCS	USP51	cg12517811	-0.185465731301818	57	-1.39973505345395	0.167208063306008	0.0343975374873183	0.339939476723574
UCS	USP51	cg18770944	-0.149126525412838	57	-1.11845837669037	0.268232640225146	0.0222387205817057	0.463984923790111
UCS	USP51	cg21331369	-0.171510627340907	57	-1.29108784639134	0.20207357201717	0.0294158952908714	0.385523628151455
UCS	USP51	cg25424556	-0.164779584404966	57	-1.23897436938967	0.220616454355822	0.0271523114366733	0.408836659493626
UCS	WDR82	cg01736403	-0.272604444091184	57	-2.10127182298372	0.040212928214737	0.0743131829382633	0.122927121186719
UCS	WDR82	cg03869063	-0.488537346890566	57	-4.15233403412322	0.000115477030177218	0.238668739306873	0.00108982410355532
UCS	WDR82	cg10989431	0.0523342949098715	57	0.388654121861987	0.69903253083386	0.0027388784237134	0.827357240501603
UCS	WDR82	cg11442381	-0.453056642555912	57	-3.76895887619002	0.000401845925049426	0.205260321364036	0.00311559933850845
UCS	WDR82	cg11665333	-0.451557494220379	57	-3.75328656950599	0.000422348478379437	0.203904170586587	0.00325051222072121
UCS	WDR82	cg12661343	-0.358690363808607	57	-2.84975105988138	0.00614619074664272	0.128658777089151	0.0292438387121911
UCS	WDR82	cg13539115	-0.256575920878736	57	-1.96872276234231	0.0540324121959142	0.0658312031747714	0.152706440251724
UCS	WDR82	cg15991175	0.0942540836570797	57	0.70213276518145	0.485557283127834	0.00888383228603578	0.672149245233758
UCS	WDR82	cg17632831	-0.149909599835165	57	-1.12446614367692	0.265699003846025	0.0224728881227393	0.461484099901087
UCS	WDR82	cg24007312	0.0639345089822156	57	0.475123064766319	0.636580691144058	0.00408762143879701	0.786107783246279
UCS	WDR82	cg26236504	-0.0932095788431421	57	-0.694283292434328	0.490426937471541	0.00868802558811593	0.67624742352192
UCS	WDR82	cg26858096	-0.435322406245877	57	-3.58605838325732	0.000713648096900741	0.189505597379701	0.00506593120269151

UCS	ZMYND1	cg00614684	-0.368213802190854	57	-2.937104223828	0.00483066451184113	0.135581404123846	0.0241182004556551
UCS	ZMYND1	cg02813021	-0.400214535956425	57	-3.23876132059005	0.00203791519829729	0.160171674790816	0.0120753732147414
UCS	ZMYND1	cg02867818	-0.497571178803066	57	-4.25407901706539	8.22041556194433e-05	0.247577077975472	0.000812268523086367
UCS	ZMYND1	cg03254875	-0.576225111588487	57	-5.22873696900906	2.72715739549669e-06	0.332035379225165	4.16319627993072e-05
UCS	ZMYND1	cg05236965	-0.0997079045829694	57	-0.74315694761175	0.460549377750775	0.00994166623632652	0.650282748162186
UCS	ZMYND1	cg08828193	-0.0611016008288695	57	-0.453989856229223	0.651622614935351	0.0037334056238505	0.796376598547507
UCS	ZMYND1	cg12639781	-0.258660127756743	57	-1.98585674226186	0.0520427994641929	0.0669050616911347	0.148562217140666
UCS	ZMYND1	cg13939078	0.011426030482309	57	0.0847432419488877	0.932773237341879	0.000130554172582654	0.964326595556022
UCS	ZMYND1	cg14255089	0.192375481491782	57	1.45385066159662	0.151670539006376	0.0370083258791951	0.318102771172792
UCS	ZMYND1	cg14694828	-0.0621786894954947	57	-0.462023503087757	0.645886908219528	0.00386618942737714	0.792382751637907
UCS	ZMYND1	cg17632565	-0.529002403040708	57	-4.62301773978015	2.33204695772198e-05	0.279843542422843	0.000273923087768419
UCS	ZMYND1	cg22593633	-0.388420910637087	57	-3.12605820463353	0.00282894651863835	0.150870803820144	0.0157073060788632
UCS	ZMYND1	cg24757747	-0.542360190914715	57	-4.78756130449861	1.31308006104414e-05	0.294154576689046	0.000165935266843515
UVM	ACTL6A	cg03667091	0.173398395843522	80	1.55496819242646	0.124002027189171	0.0300670036811066	0.276946879396945
UVM	ACTL6A	cg03839554	-0.450723882995035	80	-4.4593353580291	2.72288400184402e-05	0.203152018702122	0.000313302822126096
UVM	ACTL6A	cg07261848	-0.449405597111802	80	-4.44298569772144	2.89318562517746e-05	0.201965390715415	0.000330357379311691
UVM	ACTL6A	cg10112003	0.21521876228877	80	1.94637219558234	0.0552111291819312	0.0463191156411099	0.15504637151033
UVM	ACTL6A	cg20132173	0.0424439346755964	80	0.375192786196737	0.708535404244211	0.00180148759074629	0.833935536761289
UVM	ACTL6A	cg22619386	0.0619816683833061	80	0.548461807366128	0.584941289607167	0.00384172721557813	0.749484026742979
UVM	ACTL6A	cg25198545	0.192702304372991	80	1.73440822274547	0.0867960581495061	0.037134178110661	0.215285440239851
UVM	ACTL6A	cg25575835	-0.115712402590356	80	-1.0288553379151	0.306727588130847	0.0133893601132325	0.505188448564587
UVM	ACTL6B	cg05729836	0.0608256094615028	80	0.53819375233226	0.591975781454096	0.00369975476636326	0.754471140458395
UVM	ACTL6B	cg08572611	-0.0201194220685446	80	-0.177725899054052	0.85939898859181	0.000404791144372238	0.925319273951536
UVM	ACTL6B	cg09375063	0.143024666249861	80	1.27628093607098	0.205643368464648	0.020456055155884	0.389933950967383
UVM	ACTL6B	cg14088161	0.0199438879959706	80	0.176174690515202	0.860613309020701	0.00039775866839582	0.925933556854983
UVM	ACTL6B	cg16024950	-0.0786100547216931	80	-0.696420318405317	0.488235819118468	0.00617954070334758	0.674315197044718
UVM	ACTL6B	cg20497359	0.0301840585395982	80	0.266699906809262	0.790404041849763	0.00091107738992189	0.884856699261195
UVM	ACTL6B	cg24471254	-0.0173910408430586	80	-0.153616746261213	0.87830867589761	0.000302448301604933	0.935408422792357
UVM	ACTL6B	cg26990587	-0.0234735995594426	80	-0.207370357410608	0.836261074316764	0.000551009876277065	0.912326271392818
UVM	AEBP2	cg02664216	-0.048766294877178	80	-0.431205295659717	0.667508517588444	0.00237815151604788	0.807165496735092
UVM	AEBP2	cg07849438	-0.168903051251355	80	-1.51345567606942	0.1342055739799	0.028528240722018	0.292480625901848
UVM	AEBP2	cg08161947	-0.318347204600309	80	-2.9658680848221	0.00400402433040284	0.101344942676831	0.020759880596143
UVM	AEBP2	cg24304000	0.178571594230213	80	1.60286458700289	0.113006688226749	0.0318878142659197	0.2600042742098
UVM	AEBP2	cg26259627	0.0349306520727436	80	0.308687546116732	0.758382182849785	0.00122015045422706	0.865320967037492
UVM	AFF4	cg00931577	-0.122912451634652	80	-1.09382730663595	0.277397240962591	0.0151074707668408	0.474167585055125
UVM	AFF4	cg01907658	-0.210974408094643	80	-1.90618062541501	0.0603104370937789	0.0445102008708848	0.165292662410862
UVM	AFF4	cg05619425	0.0424377326483747	80	0.375137863048903	0.708576083813623	0.00180096115233493	0.833958181249009
UVM	AFF4	cg06638012	0.196980452690486	80	1.77445032054385	0.0798907005787379	0.0388012987421487	0.202833365778608
UVM	AFF4	cg13393914	-0.0348874571309225	80	-0.308305360311164	0.758671853554449	0.00121713466506195	0.865549923379697
UVM	AFF4	cg13565585	-0.316101768450713	80	-2.94261707141094	0.00428430046457492	0.0999203280176679	0.0219444871175363
UVM	AICDA	cg07999668	-0.679931614335541	80	-8.18927291956564	4.04363116454448e-12	0.462307000172934	2.06275569058737e-10
UVM	AIRE	cg08089567	0.137755926548151	80	1.22833812415765	0.223013552738479	0.0189766952991396	0.411740941753779
UVM	AIRE	cg09510531	0.0256112527713218	80	0.22626668039737	0.821585898849764	0.000655936268516536	0.904204699928634
UVM	AIRE	cg11923631	0.0920880914326553	80	0.816770571301557	0.416547210405224	0.00848021658370908	0.612094098831983
UVM	AIRE	cg12843033	0.0352273223858464	80	0.311312511084648	0.756393575009513	0.00124096424247635	0.864129257277187
UVM	AIRE	cg15955655	0.081907894975604	80	0.7258297998438	0.470115409812707	0.00670890325933458	0.658720428511703
UVM	AIRE	cg16501323	-0.0299259571020247	80	-0.264417324515966	0.792155789900434	0.000895562908472221	0.88603999251649
UVM	AIRE	cg16717549	0.0579273387549231	80	0.512460926942006	0.609776598387575	0.00335557657522761	0.767184100279151
UVM	AIRE	cg17356252	0.0804178404202888	80	0.712538877902953	0.478257259620268	0.00646702905786303	0.665815086913579
UVM	AIRE	cg18689454	0.0681765765849115	80	0.60352345699431	0.547911629970281	0.0046480455948383	0.721197884029441
UVM	AIRE	cg18876487	-0.0444424630440553	80	-0.392893405968883	0.695469937603538	0.00197513252142222	0.825451426918248
UVM	AIRE	cg23272544	0.00811724274800493	80	0.0716919087598856	0.943030603858141	6.58896298300386e-05	0.969651593372757
UVM	AIRE	cg27251412	0.00131869500395204	80	0.0116464090568295	0.990737457232476	1.73895651344806e-06	0.995004675970667
UVM	ARID1A	cg04081153	-0.30954567743658	80	-2.87504232827694	0.00520503506696308	0.0958185264196712	0.0256003349560173
UVM	ARID1A	cg04360147	-0.0803972721560133	80	-0.7123554447873957	0.478370173502476	0.00646372137012807	0.665921002030127
UVM	ARID1A	cg14851949	-0.135318340378	80	-1.2061935824993	0.231388768444979	0.0183110532426563	0.421890896332574
UVM	ARID1A	cg17385674	-0.080959461166032	80	-0.717369441345416	0.475289063594571	0.00655443435229425	0.663091361583832

UVM	ARID1A	cg20413923	-0.260998744056473	80	-2.38784319202318	0.0193670020708939	0.0681203443990564	0.071008603934932
UVM	ARID1A	cg21294655	0.125032024687356	80	1.11298687748006	0.26913237072042	0.0156330071974195	0.465113650023689
UVM	ARID1A	cg24542126	-0.441462629399508	80	-4.34523666181716	4.14807478313948e-05	0.194889253156327	0.000451890953199205
UVM	ARID1A	cg25601319	-0.505275874550251	80	-5.17113967564231	1.75199465579492e-06	0.255303709402521	2.81077896995071e-05
UVM	ARID2	cg00035453	0.00477818142586534	80	0.0422002374691069	0.966446912764315	2.28310177384846e-05	0.982360933050189
UVM	ARID2	cg01183821	-0.0184749126746494	80	-0.163193864006258	0.870787882791026	0.000341322398335922	0.931420248330667
UVM	ARID2	cg01353809	-0.108684333001283	80	-0.965593915256154	0.337231736373155	0.0118122842399338	0.53680237558138
UVM	ARID2	cg01751433	0.022237629924806	80	0.196446008208533	0.844772024280695	0.000494512184672628	0.917044986351289
UVM	ARID2	cg06613666	0.213255026103804	80	1.92776254883737	0.0575248183167934	0.045477706158534	0.159670521858801
UVM	ARID2	cg07276957	-0.100924022147134	80	-0.895911230211108	0.373056810546304	0.0101856582463551	0.571628550711822
UVM	ARID2	cg23465749	0.229132266686298	80	2.07895126699175	0.0409088861071732	0.0525015956368008	0.124392819176885
UVM	ARID4A	cg02136725	-0.123416583835243	80	-1.09838294790297	0.275416277018161	0.0152316531655616	0.471843601727205
UVM	ARID4A	cg06154646	0.0729812530654208	80	0.646276391819237	0.519997419995506	0.00532626329899899	0.70041865277691
UVM	ARID4A	cg08066755	0.0737264775190303	80	0.652911517676369	0.515733175414993	0.00543559348736408	0.696977800106483
UVM	ARID4A	cg08790491	0.0536783759733412	80	0.474759051478931	0.636285319333474	0.00288136804713537	0.785946618708371
UVM	ARID4A	cg10064886	-0.0387236137208257	80	-0.342254400893592	0.733079963213533	0.00149951825959972	0.849382244470429
UVM	ARID4A	cg10242170	0.0213480137821679	80	0.188583529903695	0.850909041782657	0.000455737692443631	0.920495849101554
UVM	ARID4A	cg10844118	-0.153388490998658	80	-1.37091391789958	0.174333642892788	0.0235280291708453	0.349645193861196
UVM	ARID4A	cg12203852	-0.00151394609563107	80	-0.013370825204318	0.989366083757962	2.29203278047658e-06	0.994343900674406
UVM	ARID4A	cg14272338	0.133673509018911	80	1.19126354989718	0.23716249700298	0.0178686070134288	0.428577186272616
UVM	ARID4A	cg14460816	-0.115750795708189	80	-1.02920134494677	0.306566035254657	0.0133982467070789	0.505029289680893
UVM	ARID4A	cg17323045	-0.0075596392100345	80	-0.0667668335663403	0.946938171640356	5.71481449858911e-05	0.971694561871338
UVM	ARID4A	cg19548283	-0.0664980532609969	80	-0.588597733312999	0.557831806887521	0.00442199108750238	0.729037674674638
UVM	ARID4A	cg20996579	-0.0539359049289792	80	-0.47704339895942	0.634665106935502	0.00290908184050788	0.784791150863829
UVM	ARID4A	cg26429530	-0.0676894308137967	80	-0.599191146810232	0.550781864711695	0.00458185904389577	0.72328866486219
UVM	ARID4A	cg27026909	0.0245762323582917	80	0.217116985461373	0.828684089769482	0.000603991196928743	0.907891259506928
UVM	ARID4B	cg05652840	-0.00209439990174215	80	-0.0184972796599516	0.985289382260952	4.38651094841753e-06	0.99234373072701
UVM	ARID4B	cg06212607	0.0663289681225128	80	0.587094479045427	0.558835840649421	0.00439953201219731	0.729781915010056
UVM	ARID4B	cg06891548	0.0343437776052707	80	0.303495069332901	0.762320664678117	0.00117949506020029	0.867841864168719
UVM	ARID4B	cg07814876	-0.218179746705144	80	-1.97447931719447	0.0518667713495433	0.0476024018723209	0.148190231025649
UVM	ARID4B	cg10107779	-0.0649795544899873	80	-0.575099303907235	0.566879401495807	0.00422234250171723	0.735769493968079
UVM	ARID4B	cg11732257	-0.0251581416893518	80	-0.222261040447669	0.824691617040734	0.000632932093261503	0.905813597301408
UVM	ARID4B	cg22596515	0.181185883113231	80	1.62712108809323	0.107744694999557	0.0328283242395214	0.251331058554588
UVM	ARID4B	cg23687319	-0.168263958685058	80	-1.50756190162822	0.135706428597864	0.0283127597923669	0.294735919661136
UVM	ARID4B	cg26020585	0.0182278856362638	80	0.161011077693857	0.872500976271166	0.000332255814768714	0.932431206334427
UVM	ASH1L	cg03119126	0.010986630419799	80	0.0970371492565235	0.92294579973897	0.000120706047981252	0.959490659551435
UVM	ASH1L	cg08095278	0.0107777947261334	80	0.0951924346656447	0.924406111676974	0.000116160859158668	0.960171416536241
UVM	ASH1L	cg09410084	-0.0161437133869085	80	-0.142595998986244	0.88697696479602	0.000260619481918649	0.939921075564507
UVM	ASH1L	cg10558228	0.0994772215810344	80	0.882938549481249	0.379982630819238	0.00989571761348221	0.57841288267428
UVM	ASH1L	cg17038116	-0.191813234067584	80	-1.72609979143432	0.0882887347941229	0.0367923167634659	0.217957487125852
UVM	ASH1L	cg20064047	-0.143883274303238	80	-1.28410420418621	0.202906663983702	0.0207023966242207	0.386705235746787
UVM	ASH1L	cg21852905	-0.0316119576331283	80	-0.279328854095839	0.780731793571627	0.000999315865398699	0.878908895915476
UVM	ASH1L	cg23821590	-0.0560170340469148	80	-0.495507087829432	0.621635393961992	0.00313790810341321	0.775835989233116
UVM	ASH1L	cg24312492	-0.0734533603850653	80	-0.650479684907769	0.517293909113232	0.00539539615185828	0.698239968864815
UVM	ASH1L	cg26185843	-0.0894727793701326	80	-0.793384243102211	0.429960878366837	0.00800537824821643	0.624001950854798
UVM	ASH2L	cg00590869	0.17296449194875	80	1.55095696060497	0.124960223564984	0.029916715475089	0.278319847458037
UVM	ASH2L	cg01642070	-0.185280394079489	80	-1.6651836306418	0.099888081225616	0.0343288244302506	0.238058127285876
UVM	ASH2L	cg02897270	-0.123976959465386	80	-1.1034478521928	0.27322544317948	0.015370286478282	0.469553982519374
UVM	ASH2L	cg03189282	-0.499977387264449	80	-5.09871204646579	2.3357946520448e-06	0.249977387775785	3.62190171738435e-05
UVM	ASH2L	cg03705346	0.0210825145210114	80	0.186237119942066	0.852742323063052	0.000444472418528656	0.921544397245133
UVM	ASH2L	cg10062221	0.182088686603538	80	1.63550594302925	0.10597241958944	0.0331562897890016	0.248239036722099
UVM	ASH2L	cg21453287	0.138991251068343	80	1.23956923555651	0.218851358182079	0.0193185678735433	0.40672055801282
UVM	ASH2L	cg24318412	0.136626421911737	80	1.2180742029935	0.226867541601405	0.018666779164404	0.416403335276531
UVM	ASH2L	cg27255459	0.286472294272532	80	2.64073175688819	0.00998941228654926	0.0820663753857679	0.0425910522536344
UVM	ASXL1	cg00174466	-0.262035515320932	80	-2.39802629115501	0.0188736449739228	0.0686626112895065	0.0696450212077295
UVM	ASXL1	cg04218270	-0.214202923857455	80	-1.93674237380131	0.0563983165001232	0.0458828925890827	0.157432592343004
UVM	ASXL1	cg09065199	0.0491945486690602	80	0.435001182595983	0.664762796814488	0.00242010361875253	0.805397243659652

UVM	ASXL1	cg10421984	-0.397522967020399	80	-3.82613070313896	0.000260936164202565	0.158024509308702	0.00217034833293856
UVM	ASXL1	cg12592359	-0.132514474748615	80	-1.18074909565752	0.24129044695125	0.0175600860179014	0.433500819362871
UVM	ASXL1	cg16926526	-0.102452304197042	80	-0.909620749912538	0.365824803843858	0.0104964746352833	0.56468460633813
UVM	ASXL1	cg18793288	0.295304959802095	80	2.72980371786112	0.00783020738687862	0.087205019283717	0.0353436601547219
UVM	ASXL1	cg24727216	-0.237050510001244	80	-2.15499658117336	0.0342469872579855	0.0561929442918501	0.109001314407484
UVM	ASXL2	cg05165989	-0.107168382457279	80	-0.951968019404389	0.34405388118957	0.0114850621985097	0.543328896640194
UVM	ASXL2	cg05496738	-0.0810315633413259	80	-0.718012548563924	0.474894677426398	0.00656611425753931	0.662731303896479
UVM	ASXL2	cg06583696	-0.0242145087691197	80	-0.213919475173257	0.831168066685978	0.000586342434929775	0.90952411775965
UVM	ASXL2	cg09476286	-0.162498648590518	80	-1.45448105325547	0.14982539162549	0.0264058107937445	0.315389017104485
UVM	ASXL2	cg19084174	-0.160948635048807	80	-1.44023653135458	0.153802395428916	0.025904463124074	0.321136495517663
UVM	ASXL2	cg20667782	-0.0661081211588771	80	-0.58513111188888	0.560148532925662	0.00437028368315677	0.730809300957601
UVM	ASXL2	cg24738909	-0.0958515319036755	80	-0.850453601407715	0.397676075665527	0.00918751616828133	0.594298690454971
UVM	ASXL3	cg09963640	-0.167736722291084	80	-1.50270114896004	0.13695413885769	0.0281356080049563	0.296741596432017
UVM	ASXL3	cg12361352	-0.0650979993301603	80	-0.576152053105245	0.566171204137632	0.00423774951678954	0.735244872484184
UVM	ASXL3	cg17880622	0.171603598138008	80	1.53838218081566	0.12800224214099	0.0294477948939108	0.283012830044513
UVM	ASXL3	cg20034091	0.173368548298031	80	1.55469223642252	0.124067759363916	0.0300566535389667	0.277037598778259
UVM	ASXL3	cg20329085	0.025523144202268	80	0.225487762963243	0.822189600286492	0.000651430889969768	0.904546729411957
UVM	ASXL3	cg24880056	-0.128959662284428	80	-1.14853131878337	0.254259349004573	0.0166305944965138	0.448394388690656
UVM	ASXL3	cg27109877	-0.138014276303867	80	-1.23068645898123	0.222138530953401	0.0190479404636802	0.410661459494519
UVM	ATAD2B	cg08192560	0.0601816547914145	80	0.532475125957722	0.595910615396492	0.00362183157343298	0.757204340836808
UVM	ATAD2B	cg14009731	-0.0110656460806019	80	-0.0977351239592765	0.922393338147584	0.00012244852318114	0.95923679046939
UVM	ATAD2B	cg15717719	-0.178023699813845	80	-1.59778545050942	0.114134237357335	0.0316924376954099	0.261538156086381
UVM	ATAD2B	cg16929802	-0.0346101143138545	80	-0.305851491702087	0.760532539066026	0.00119786001281808	0.866757520423417
UVM	ATAD2B	cg17933838	-0.0126446035686643	80	-0.111683043602385	0.911361626842125	0.000159885999408677	0.952910760444024
UVM	ATAD2B	cg19614157	0.234714307859294	80	2.13251369289288	0.0361105833884791	0.0550908063138676	0.113516253449846
UVM	ATAD2B	cg20806130	-0.133760096958136	80	-1.19204925214273	0.236856087060876	0.0178917635382499	0.428192564529043
UVM	ATAD2B	cg27610867	-0.135591117882857	80	-1.20867054546835	0.230440805378457	0.0183849512487228	0.420707011179627
UVM	ATAT1	cg01245721	-0.58951648449533	80	-6.44559296077767	8.75401806555779e-09	0.347529685491732	2.42472646297012e-07
UVM	ATAT1	cg05093836	0.480550156400508	80	4.8395240463903	6.44066124124242e-06	0.230928452816552	8.88850098636176e-05
UVM	ATAT1	cg06814856	-0.350190904983798	80	-3.30188301315732	0.00145062509158389	0.122633669933372	0.00914875787390981
UVM	ATAT1	cg07142893	-0.564461446318621	80	-6.03928953079631	4.94534992599995e-08	0.318616724380109	1.15670039730379e-06
UVM	ATAT1	cg07816366	-0.380719320437005	80	-3.63626688949653	0.000494270302510491	0.144947200954015	0.00371317365361567
UVM	ATAT1	cg08081524	-0.593720485437162	80	-6.51644591794582	6.45203782102952e-09	0.35250401482774	1.82985720105421e-07
UVM	ATAT1	cg08188471	-0.439415620743723	80	-4.32025310727889	4.54512073571815e-05	0.193086087753591	0.000488576927614284
UVM	ATAT1	cg08635134	0.162050705868445	80	1.45036335830448	0.150966729250528	0.0262604312724614	0.317070889182385
UVM	ATAT1	cg09532691	-0.25972003124996	80	-2.37529596601314	0.0199906718703013	0.0674544946324804	0.0727829984311426
UVM	ATAT1	cg12907138	0.330257870692836	80	3.0901442280916	0.00277288217913785	0.109070261154566	0.0154644487951717
UVM	ATAT1	cg13542073	-0.580680326200917	80	-6.29926341994165	1.63926049084907e-08	0.337189641236804	4.28654220588613e-07
UVM	ATAT1	cg13964084	0.107137612862205	80	0.951691521365883	0.344193240261801	0.0114784680898117	0.543446833490827
UVM	ATAT1	cg15381130	0.259123219625767	80	2.36944441030116	0.0202875905610553	0.0671448429492233	0.0736118803127302
UVM	ATAT1	cg15729859	0.0902433549478564	80	0.800273049425971	0.425983335223197	0.0081438631122448	0.620619014903655
UVM	ATAT1	cg18298197	-0.0770406410265358	80	-0.68243274052014	0.496987083248058	0.00593526036977955	0.681519710103991
UVM	ATAT1	cg20629923	0.429305090349376	80	4.19806220748679	7.07850247970703e-05	0.184302860599886	0.000716079352283912
UVM	ATAT1	cg22759096	-0.384741303941358	80	-3.68131440536086	0.000425498073079998	0.148025870958496	0.00327119251874546
UVM	ATAT1	cg23328390	0.100834830104091	80	0.895111328036309	0.373481541383057	0.0101676629621208	0.572042744390808
UVM	ATAT1	cg26934609	-0.35683270979956	80	-3.37354752256328	0.00115793694093042	0.127329582782897	0.00758815528552577
UVM	ATF7IP	cg00236831	0.236265783725915	80	2.14744022474497	0.0348637650148569	0.0558215205596208	0.110539278430298
UVM	ATF7IP	cg11409060	-0.201138140582499	80	-1.81346596874401	0.0736063977642288	0.040456551596985	0.191234549232556
UVM	ATF7IP	cg12526346	0.0379718669242064	80	0.335600480502106	0.738073171806874	0.00144186267770964	0.852503824009016
UVM	ATF7IP	cg12948116	0.0817315718220404	80	0.72425678664399	0.47107492797743	0.00668004983250134	0.6594472566594
UVM	ATF7IP	cg17439009	0.228376995689529	80	2.0717208466579	0.0415970546171665	0.0521560521601752	0.125953653545378
UVM	ATF7IP	cg19789919	0.0156334136581896	80	0.138087446520773	0.890527172152839	0.000244403622608069	0.942087065654309
UVM	ATF7IP	cg21275967	0.238991983053587	80	2.17371083477736	0.0327602226988952	0.0571171679638862	0.105398269537978
UVM	ATF7IP	cg26637901	0.0846113660566684	80	0.7499566746432	0.455536970320517	0.00715908326597555	0.645831080862996
UVM	ATM	cg01756564	-0.193636243640148	80	-1.74314073614709	0.0852496397443958	0.0374949948510668	0.212486318101808
UVM	ATM	cg01800843	-0.105574501331979	80	-0.937648897643863	0.351319200046266	0.0111459753314961	0.550273601000352
UVM	ATM	cg01991180	0.232569340306496	80	2.11190563579543	0.0378955557529913	0.0540884980505986	0.117669323654304

UVM	ATM	cg02105423	0.0514232317315909	80	0.454759354814658	0.650545536486589	0.0026443487617209	0.795594149839458
UVM	ATM	cg03165700	-0.137861356865747	80	-1.22929642854502	0.222656172192431	0.0190057537168649	0.411334938483447
UVM	ATM	cg03569616	0.0393060146839976	80	0.347409793634158	0.729219161139741	0.00154496279033863	0.846833230113334
UVM	ATM	cg04709886	-0.170756893853228	80	-1.53056314221949	0.129923183298902	0.0291579167984026	0.286000116625773
UVM	ATM	cg04826772	-0.00537761169925533	80	-0.047494467304061	0.962240536965903	2.89187075879678e-05	0.980214733403127
UVM	ATM	cg05033322	-0.211449348569583	80	-1.91067237746291	0.0597214662793735	0.0447108270105011	0.164116420493044
UVM	ATM	cg05637308	-0.082939357108257	80	-0.735033054125709	0.464523650754587	0.00687893695753099	0.653746637603385
UVM	ATM	cg06053805	-0.188587988363609	80	-1.69599647233307	0.0938746448078522	0.0355654293550328	0.227638917682805
UVM	ATM	cg06081482	-0.0925747919475238	80	-0.821124552317377	0.414077973741448	0.00857009210412732	0.60967487866686
UVM	ATM	cg06750635	-0.0800006250094027	80	-0.708818284114079	0.48055044423327	0.00640010000189506	0.667820812423999
UVM	ATM	cg09808176	0.00297868525084824	80	0.0263071525377796	0.979079539500217	8.87256582362083e-06	0.989222661782161
UVM	ATM	cg10610482	-0.2392325142046	80	-2.17603128240437	0.0325798568591835	0.0572321958526543	0.104948960020842
UVM	ATM	cg10976287	-0.0423980943970966	80	-0.37478684053731	0.708836093375823	0.00179759840850512	0.834112767328374
UVM	ATM	cg11588932	-0.0599683735068326	80	-0.530581233291337	0.597216426216354	0.00359620582105499	0.758160154326218
UVM	ATM	cg12019961	-0.0992091997371771	80	-0.88053596560957	0.381274103954155	0.0098424653124911	0.579698191045021
UVM	ATM	cg12106634	0.131622977071998	80	1.17266502000382	0.244499116208584	0.0173246080932957	0.437344835628764
UVM	ATM	cg12848864	-0.10840654257634	80	-0.963096530182856	0.338475436573575	0.0117519784733559	0.537836753035548
UVM	ATM	cg14761454	0.439007980082284	80	4.31528786729206	4.62829205751836e-05	0.192728006575927	0.000495668161237037
UVM	ATM	cg15370815	0.0516547574513681	80	0.456812308980287	0.649075597208329	0.00266821396735967	0.794720653285341
UVM	ATM	cg15504467	-0.00114954158817698	80	-0.0101524831206585	0.991925551851746	1.32144586294846e-06	0.995725586879101
UVM	ATM	cg16693212	-0.190538628372469	80	-1.71419619208462	0.0904640117644096	0.036304968902062	0.221601766064523
UVM	ATM	cg16788234	-0.0445877522108047	80	-0.394180388671134	0.694523496574845	0.00198806764721212	0.824881845687687
UVM	ATM	cg17114932	-0.084506983509415	80	-0.749024816297291	0.456095180070688	0.00714143026186054	0.646339777732787
UVM	ATM	cg17420659	0.0598162721590579	80	0.529230650081151	0.598148442727762	0.00357798641500649	0.758755654785071
UVM	ATM	cg18042593	0.0257677411387775	80	0.227650117514889	0.820513928978689	0.000663976483395046	0.903501719224883
UVM	ATM	cg18391757	-0.232457380822453	80	-2.11083086835526	0.0379907103659665	0.0540364338988348	0.117864379749153
UVM	ATM	cg18457775	-0.226829328582786	80	-2.05691690721148	0.0430372652310751	0.0514515443053176	0.129153300597395
UVM	ATM	cg19288979	0.0471691537952741	80	0.417050899275447	0.677786782587761	0.00222492906976222	0.813844368340198
UVM	ATM	cg20342375	-0.0466893978925626	80	-0.412799773736448	0.680885839094844	0.00217989987557003	0.815896750921031
UVM	ATM	cg22477592	-0.10691505459924	80	-0.9496916773549	0.345202284215732	0.0114308288999586	0.544410203095173
UVM	ATM	cg22678707	-0.0993519331972671	80	-0.881815423424592	0.380586008978087	0.00987080663003422	0.578957507625125
UVM	ATM	cg22837512	-0.212209420303012	80	-1.9178637095712	0.0587886472865062	0.0450328380653402	0.162211960949367
UVM	ATM	cg23275463	-0.038542422817574	80	-0.340650576913138	0.734282455235114	0.00148551835664865	0.850180376587841
UVM	ATM	cg23389069	-0.0478310672399768	80	-0.422916601484128	0.673519822653748	0.00228781099331519	0.811162915936737
UVM	ATM	cg24030675	0.338649158450007	80	3.17868843735362	0.00212179284162565	0.114683252518898	0.0124594468841656
UVM	ATM	cg24568245	-0.0734141522710313	80	-0.650130588266628	0.517518161378853	0.00538963775367417	0.698402179630342
UVM	ATM	cg25400013	-0.222788912772606	80	-2.01834608062988	0.046992930092888	0.0496348996543999	0.137901471280503
UVM	ATM	cg25740661	-0.0202342710123407	80	-0.17874083717979	0.85860465575172	0.000409425723400853	0.924867780186889
UVM	ATM	cg25918541	0.0407110568048398	80	0.3598486467794	0.719932815613416	0.00165739014616689	0.841139815238347
UVM	ATM	cg27453365	0.23623258403204	80	2.14712063353734	0.0348900629902524	0.0558058337584548	0.110595614060129
UVM	ATM	cg27599391	-0.0765429000429302	80	-0.677997638394579	0.499779573376626	0.00585881554698201	0.683842267720715
UVM	ATR	cg00911981	0.165521624082143	80	1.482293925889	0.142291159986855	0.0273974080387903	0.304690297275459
UVM	ATR	cg00969988	-0.122874984753763	80	-1.09348876777351	0.277544844298055	0.0150982618782376	0.474336510409343
UVM	ATR	cg11458642	0.260015312724966	80	2.37819218936307	0.0198451474665058	0.0676079628514618	0.0723662340461772
UVM	ATR	cg11936145	-0.226156176190061	80	-2.0504831203745	0.043676450843163	0.05114661602891	0.130641399529461
UVM	ATR	cg15135999	0.0404935542354731	80	0.357922956162709	0.721367746644125	0.0016397279346212	0.842108080468683
UVM	ATR	cg15291273	-0.0904735851688704	80	-0.802331546539884	0.424799034942285	0.00818546961330884	0.619736256175458
UVM	ATR	cg15480357	-0.0223490578457452	80	-0.197430847057692	0.84400398146609	0.000499480386592465	0.916671726222975
UVM	ATR	cg16031872	0.0760369137457264	80	0.673489589306378	0.502626670877094	0.00578161225197504	0.686190499063382
UVM	ATR	cg17945282	-0.0540096487399075	80	-0.477697542922264	0.634201472110074	0.00291704215700819	0.784547742284945
UVM	ATR	cg20032934	-0.282812149832695	80	-2.60403831737463	0.01102649456653	0.0799827120929908	0.0460027927405243
UVM	ATR	cg20636078	-0.0986305127871717	80	-0.875349197298829	0.384071524289545	0.00972797805266044	0.582255873732454
UVM	ATR	cg24631870	-0.164223552668951	80	-1.47034581491987	0.145490650393132	0.0269693752512119	0.309384942360111
UVM	ATR	cg24856922	0.184705275145778	80	1.65983196142974	0.100963767454934	0.0341160386666777	0.239879526170147
UVM	AURKB	cg02245743	-0.0420858902899374	80	-0.37202213182859	0.710885176431105	0.00177122216149664	0.835374109383263
UVM	AURKB	cg04612488	-0.146563661363732	80	-1.30854588181766	0.194530861103466	0.0214809068323427	0.375921587963152
UVM	AURKB	cg05617798	-0.149193424460131	80	-1.33255455700188	0.186557873176881	0.0222586779021409	0.365550430354196

UVM	AURKB	cg05811247	-0.0933319568220884	80	-0.827899265629332	0.410253488375245	0.00871085416424017	0.606149983747082
UVM	AURKB	cg11009596	-0.0625969249998098	80	-0.553927385370203	0.581213124394154	0.00391837501943181	0.746748811691668
UVM	AURKB	cg12844497	0.122768794107924	80	1.09252928853932	0.277963474572059	0.0150721768067139	0.474801627930938
UVM	AURKB	cg13678641	-0.1614524089394	80	-1.4448649742704	0.15250128054594	0.0260668803523351	0.319343989539697
UVM	AURKB	cg21724796	-0.0966591211503033	80	-0.857686321622079	0.39369345050137	0.00934298570154902	0.590448875032432
UVM	BAP1	cg00794529	-0.447140724943556	80	-4.41498106425119	3.20914346313521e-05	0.199934827903049	0.00036144796086744
UVM	BAP1	cg02503646	-0.29183089934943	80	-2.69468034149238	0.00862491609628654	0.0851652738150973	0.0380668740947756
UVM	BAP1	cg03075736	-0.286645264627908	80	-2.64246890654741	0.00994258435986439	0.0821655077336033	0.042430929161846
UVM	BAP1	cg05442719	0.220017387055927	80	1.99195183533679	0.0498760942671456	0.0484076506069176	0.144020670257909
UVM	BAP1	cg05908979	-0.0491995447451332	80	-0.435045467424946	0.664730790728299	0.00242059520312837	0.805383552422086
UVM	BAP1	cg09096430	-0.102596271323329	80	-0.910912547097017	0.365147985977946	0.0105259948894502	0.564132391094419
UVM	BAP1	cg10449522	-0.190686704184323	80	-1.71557861547035	0.0902091516383519	0.0363614191526794	0.221163239184203
UVM	BAP1	cg10956904	-0.266748116066108	80	-2.44442622800587	0.0167646354953694	0.0711545574248179	0.0635538255312492
UVM	BAP1	cg11234564	-0.130724623269735	80	-1.16452170207819	0.247762052077179	0.0170889271290141	0.441112280107383
UVM	BAP1	cg12859382	0.272516105999802	80	2.50147484928931	0.0144621314506887	0.0742650280292951	0.0567506309817635
UVM	BAP1	cg16841708	-0.0435441874680531	80	-0.384936962758496	0.701331759759307	0.00189609626225296	0.82888514853923
UVM	BAP1	cg24291822	-0.256187052925758	80	-2.34069838691723	0.0218038963005788	0.0656318060867854	0.0777579677641526
UVM	BAP1	cg24747396	0.319905265850439	80	2.9820340865354	0.00381925927279737	0.10233937911884	0.0200091222215636
UVM	BAP1	cg25749966	-0.26857584910756	80	-2.46247251111078	0.0160030770271195	0.0721329867238467	0.0612940462925377
UVM	BAZ1A	cg05294307	-0.0448779767108404	80	-0.396751294906221	0.692634318247387	0.00201403279365874	0.823543347706444
UVM	BAZ1A	cg07414384	-0.0845557994929685	80	-0.749460610019233	0.455834078391375	0.0071496832278951	0.646099231017192
UVM	BAZ1A	cg23422263	-0.0273075677061589	80	-0.241263880228442	0.809983702094715	0.00074570325402645	0.897362140172265
UVM	BAZ1A	cg26967526	0.0392736921861031	80	0.347123666780015	0.729433255294293	0.00154242289792877	0.846986143593955
UVM	BAZ1B	cg00525989	0.054645056016512	80	0.483334244667782	0.630212448268604	0.00298608214704773	0.781766712103262
UVM	BAZ1B	cg04742505	0.05979939394634	80	0.529080782351963	0.598251905599146	0.00357596751634957	0.758809389044173
UVM	BAZ1B	cg05166819	-0.154682441112815	80	-1.38276090651213	0.170684215700597	0.0239266575886195	0.344558644646582
UVM	BAZ1B	cg06059318	0.24828055926458	80	2.26363302768098	0.0263757943830217	0.0616432361087328	0.0896604128570151
UVM	BAZ1B	cg06394887	0.217999866584627	80	1.97277018286318	0.0520650855024508	0.0475239418309151	0.148598571434041
UVM	BAZ1B	cg14093368	-0.01139060381586	80	-0.100605615817305	0.920121687905022	0.000129745855289884	0.958001373014311
UVM	BAZ1B	cg15636799	-0.252807003592338	80	-2.30769240104593	0.0236681729691719	0.0639113810653364	0.0827484615428499
UVM	BAZ1B	cg19160975	-0.220827160751967	80	-1.99965832663974	0.0490190474773297	0.048764634925775	0.142179179726758
UVM	BAZ1B	cg20612831	-0.131483848683356	80	-1.17140366945554	0.245002502885256	0.0172880024645876	0.437882014080732
UVM	BAZ1B	cg21340129	-0.0798732823338544	80	-0.707682757578801	0.481251539471878	0.00637974123078362	0.668496576345891
UVM	BAZ1B	cg25710357	0.128313870211836	80	1.14268328465729	0.256665475390794	0.01646444928874	0.451008803124427
UVM	BAZ2A	cg14634319	0.00991121581972939	80	0.087537787634697	0.93046839793139	9.82321990252542e-05	0.963241790958822
UVM	BAZ2A	cg18206859	0.249285006789158	80	2.27339631294607	0.0257533207368031	0.0621430146098705	0.0880910096908437
UVM	BAZ2A	cg18955060	-0.0190006870277582	80	-0.167839824139317	0.867143708950002	0.000361026107526818	0.929386334371989
UVM	BAZ2A	cg25683012	-0.156694460928654	80	-1.40119681541336	0.16512151635004	0.0245531540857215	0.337053954053555
UVM	BRD7	cg03021120	-0.26939997506262	80	-2.47061895148562	0.0156695650104706	0.0725763465637401	0.0603434552955078
UVM	BRD7	cg16433860	-0.195951336845108	80	-1.76480859686645	0.0815104168201055	0.0383969264113851	0.205703671125131
UVM	BRD7	cg16834187	0.417611741317938	80	4.05914948941061	0.000116144439358211	0.1743995664866	0.00109572404989482
UVM	BRD8	cg01096096	-0.12363664495035	80	-1.10037182280331	0.27455453263128	0.015286019974579	0.470996311849236
UVM	BRD8	cg03204906	-0.312550972879836	80	-2.90596123416238	0.00476319882414095	0.0976881106481319	0.0238611651825559
UVM	BRD8	cg03684156	-0.0555837300276043	80	-0.491662307101952	0.6243388672755	0.0030895510437816	0.777416684102018
UVM	BRD8	cg07430605	0.066184461037376	80	0.585809776640509	0.55969461061449	0.00438038288280794	0.730404659097894
UVM	BRD8	cg07632946	-0.0902448797204188	80	-0.800286682049228	0.425975485610454	0.00814413831575286	0.620619014903655
UVM	BRD8	cg08976717	-0.0583546984210364	80	-0.516254484628642	0.607137186014485	0.00340527082781011	0.76529513120007
UVM	BRD8	cg11110536	-0.0946056966582121	80	-0.839299295649873	0.403866403204189	0.00895023784018566	0.600349435706414
UVM	BRD8	cg11346339	0.0702291376633962	80	0.621782200922558	0.535898295924633	0.00493213177694426	0.712169186920871
UVM	BRD8	cg12964860	-0.209948681336805	80	-1.89648462482534	0.0615985490303472	0.0440784487950632	0.167864507874843
UVM	BRD8	cg14473243	0.0230690286434576	80	0.203794379268916	0.839044951576166	0.000532180082552667	0.913862974629559
UVM	BRD8	cg22106577	0.139341708588068	80	1.2427565370138	0.217680584797835	0.019416111752242	0.405210459248174
UVM	BRD8	cg22818036	-0.0812473489701647	80	-0.719937291972417	0.473715421436001	0.00660113171467971	0.661661100026823
UVM	BRD8	cg23298160	-0.0755533964287773	80	-0.669182215033033	0.505355175079728	0.00570831571192398	0.688552621727483
UVM	BRD8	cg26008208	-0.273490832373039	80	-2.51114397503104	0.0141013548815247	0.0747972353920975	0.055645774660309
UVM	BRD8	cg26630792	-0.135740085787419	80	-1.21002337043128	0.229924253001827	0.018425370889576	0.42002412441057
UVM	BRD8	cg27119451	0.00716010131913984	80	0.0632379236610239	0.949738824113955	5.12670509003481e-05	0.973363143856298

UVM	BRD9	cg02364331	0.0136214030632824	80	0.12031213655116	0.904545260615156	0.0001855426214124	0.949386920266611
UVM	BRD9	cg02822723	-0.0791620977297814	80	-0.70134169760005	0.485177043158101	0.00626663771697945	0.671802198092685
UVM	BRD9	cg05193570	-0.0740874545920872	80	-0.656125881357726	0.513674046826874	0.00548895092793458	0.695296205154591
UVM	BRD9	cg07308931	-0.021410010133092	80	-0.189131442452112	0.850481068314421	0.000458388533899101	0.92031966047026
UVM	BRD9	cg09497020	0.0576195794670565	80	0.509729205093805	0.611680438494753	0.00332001593796044	0.768624020063116
UVM	BRD9	cg10551270	-0.102270330604308	80	-0.907988008585435	0.366681395292602	0.0104592205219144	0.565557961564549
UVM	BRD9	cg10600960	-0.117094189873153	80	-1.04131125788619	0.300948036348846	0.01371104930205	0.499289509893187
UVM	BRD9	cg13722821	-0.0105813209751313	80	-0.0934569285709714	0.925780209243341	0.000111964353578754	0.960907988372287
UVM	BRD9	cg17977043	-0.00770570461773296	80	-0.0680569610595284	0.945914451348319	5.93778836557511e-05	0.971118031384904
UVM	BRD9	cg20079193	-0.317109616549948	80	-2.95304629191378	0.00415641210859522	0.100558508908455	0.0214049995747423
UVM	BRD9	cg21160852	-0.0130457436786954	80	-0.115226694208699	0.908561562080785	0.000170191428130221	0.951440853980624
UVM	BRD9	cg21758832	0.0169137789251698	80	0.149399822187209	0.881623770061506	0.000286075917529519	0.937163053127851
UVM	BRD9	cg21910709	-0.0180921334249753	80	-0.159811553293405	0.873442646632648	0.000327325291867109	0.933001005823862
UVM	BRD9	cg24953233	-0.0422790810113393	80	-0.373732910199123	0.709616968855569	0.00178752069116339	0.834602420100843
UVM	BRD9	cg25523559	-0.0319764569411836	80	-0.282552912302049	0.778268019240991	0.00102249379851137	0.877317852064651
UVM	BRD9	cg25951128	0.00805990588334545	80	0.0711854735826844	0.943432348053621	6.49620828483866e-05	0.969811049761618
UVM	BRD9	cg26504197	-0.0295605589808879	80	-0.261185928546523	0.794637524711014	0.000873826647262553	0.887577986408348
UVM	BRDT	cg00308185		80				
UVM	BRDT	cg01515515		80				
UVM	BRDT	cg02935097		80				
UVM	BRDT	cg03421440		80				
UVM	BRDT	cg06442199		80				
UVM	BRDT	cg09250199		80				
UVM	BRDT	cg13299824		80				
UVM	BRDT	cg14732540		80				
UVM	BRDT	cg19245011		80				
UVM	BRPF1	cg04879506	-0.306586674373531	80	-2.84469278907825	0.00567515999484873	0.0939953889034216	0.0274449982414117
UVM	BRPF1	cg13694772	0.340511013470054	80	3.19844949787035	0.00199746628213958	0.115947750294404	0.0118845806464831
UVM	BRPF1	cg14712964	0.0393917814632269	80	0.348169027961069	0.728651169110016	0.00155171244684663	0.846589092679946
UVM	BRPF1	cg17738494	0.216934454722814	80	1.96265147241738	0.0532524683943269	0.0470605576458847	0.151034398857715
UVM	BRPF1	cg20952324	0.160289718107991	80	1.4341844490631	0.155516670562564	0.0256927937311393	0.323526243341199
UVM	BRPF1	cg25467642	-0.16255996428616	80	-1.45504476705859	0.149669665611239	0.0264257419887177	0.315137953462007
UVM	BRPF1	cg26227975	-0.216461893740937	80	-1.95816570053214	0.0537861840731707	0.0468557514419127	0.152181938672058
UVM	BRPF3	cg01499736	0.0930657084462955	80	0.825516850557974	0.411595972307676	0.00866122608861087	0.607319905361759
UVM	BRPF3	cg05882415	-0.168311535705	80	-1.50800059407315	0.135594261963911	0.0283287730513756	0.294573005761162
UVM	BRPF3	cg10562781	0.285409177957122	80	2.63006099661857	0.0102814801220968	0.0814583988621602	0.043547528971438
UVM	BRPF3	cg14654948	-0.400626639236198	80	-3.86168829465735	0.000231026767349073	0.160501704065691	0.00195842828148129
UVM	BRPF3	cg18779695	0.219979981357164	80	1.9915959557914	0.0499159794619392	0.0483911921978982	0.1440984008558
UVM	BRPF3	cg23517469	0.0318281364041867	80	0.281240978449919	0.779270305808011	0.00101303026696351	0.877985127476388
UVM	BRWD3	cg03164831	-0.0614857472820662	80	-0.544056793061854	0.587954247960436	0.00378049711883411	0.751685529192496
UVM	BRWD3	cg05835545	-0.0306403970467351	80	-0.270735777375829	0.787309393129768	0.000938833931181574	0.882830027649138
UVM	BRWD3	cg09523186	-0.158848624599615	80	-1.4209550035803	0.159315400962691	0.0252328855371894	0.328799870071936
UVM	BRWD3	cg11957438	-0.166497401162051	80	-1.49128068682654	0.139921157710595	0.0277213845937168	0.30121789255923
UVM	BRWD3	cg15511898	0.0136823254500214	80	0.1208503389554	0.904120351259641	0.000187206029720303	0.949269017813757
UVM	BRWD3	cg22618269	-0.154450621428958	80	-1.38063790641914	0.171333874044683	0.0238549944597913	0.345456480766972
UVM	BRWD3	cg25063710	-0.199753353611279	80	-1.80045994061949	0.07565388976919	0.0399014022789527	0.195074629175846
UVM	BRWD3	cg25708850	0.10872227250578	80	0.965935015867867	0.33706210063681	0.011820532538821	0.536659212670233
UVM	CARM1	cg12317676	-0.116011949192259	80	-1.03155504044339	0.305468605151671	0.0134587723553874	0.504000523206132
UVM	CARM1	cg17918830	0.0488619810310946	80	0.432053402412493	0.666894651756658	0.00238749319028304	0.806731850144699
UVM	CARM1	cg22378614	-0.0816313058426827	80	-0.72336232485536	0.471621029189635	0.0066636700935816	0.659771065179149
UVM	CARM1	cg26504915	-0.1402090487937	80	-1.25064677524089	0.214802068270779	0.019658577363634	0.40172882246026
UVM	CBX1	cg01544580	-0.0332048442901278	80	-0.293419045283623	0.769981146590081	0.00110256168433163	0.872478082084729
UVM	CBX1	cg01553295	0.0708048829006565	80	0.626905210240098	0.532552062675302	0.00501333144257568	0.709906512869688
UVM	CBX1	cg02835499	0.049281249198023	80	0.43576969397564	0.664207457088952	0.00242864152251764	0.804950070363565
UVM	CBX1	cg04864609	-0.0988714871057702	80	-0.877508939660841	0.382905141292972	0.00977557096250649	0.581159278320557
UVM	CBX1	cg11729481	0.0419840324650092	80	0.37112015833477	0.711554142223853	0.00176265898202295	0.835782585030926
UVM	CBX1	cg12245530	0.0286577188773911	80	0.253202114454112	0.800778190315357	0.000821264851255577	0.891212282366135

UVM	CBX1	cg13342109	-0.0938549702012716	80	-0.832579759856223	0.407623779875212	0.00880875543148157	0.603806015682475
UVM	CBX1	cg17778721	-0.0889831625303272	80	-0.789007904093402	0.432499123097322	0.00791800321389862	0.626222565801846
UVM	CBX1	cg21511817	0.10474635020856	80	0.930211839530218	0.355131474415082	0.0109717978820144	0.554003729901768
UVM	CBX4	cg04398978	0.0814609752932484	80	0.721842875401798	0.472549522932827	0.00663589049572722	0.660572453092242
UVM	CBX4	cg04925705	0.149531281121356	80	1.33564113632986	0.185550970280705	0.0223596040337939	0.364274773684379
UVM	CBX4	cg05949524	-0.307934309398238	80	-2.85850367751645	0.00545658233408708	0.0948235389045695	0.0265954116971349
UVM	CBX4	cg07159673	0.383525758422888	80	3.66767416950757	0.000445297274460893	0.147092007373851	0.0034008890800521
UVM	CBX4	cg10756274	-0.174024537667383	80	-1.56075821731462	0.122629232281502	0.0302845397103464	0.274772271554686
UVM	CBX4	cg21365914	-0.0535181602211473	80	-0.473337944886245	0.637294159686063	0.00286419347345639	0.78662402128338
UVM	CBX4	cg22353329	0.0862431192329205	80	0.764527140969998	0.446859974417938	0.00743787561502374	0.638533206896681
UVM	CBX4	cg27487227	-0.130965322013434	80	-1.16670327960458	0.246884886924692	0.0171519155700824	0.440064221735393
UVM	CBX5	cg03689456	-0.201061242656944	80	-1.81274344111397	0.0737189184980041	0.0404256232987545	0.191430988237991
UVM	CBX5	cg05754589	-0.0609296898010949	80	-0.53911809880412	0.591340906455757	0.00371242709925765	0.75400787524904
UVM	CBX5	cg06399839	-0.100068158139163	80	-0.888236470841476	0.377144512293071	0.0100136362733645	0.575669665842467
UVM	CBX5	cg06621757	-0.0693144505861201	80	-0.613644552527168	0.541235721298217	0.00480449306005568	0.716276673573541
UVM	CBX5	cg08288469	-0.0325155611022539	80	-0.287321587313814	0.774628041591881	0.00105726171379441	0.875083946091106
UVM	CBX5	cg09060496	-0.175945300959189	80	-1.57853201032359	0.118490616491548	0.0309567489296195	0.268429208484085
UVM	CBX5	cg09158487	-0.257474793294883	80	-2.35329718194156	0.0211273701249882	0.0662932691822427	0.0759546481585717
UVM	CBX5	cg09653879	-0.116701984885752	80	-1.03777516338017	0.302581218810655	0.0136193532762743	0.500947101154655
UVM	CBX5	cg11005091	-0.021518800860494	80	-0.190092920525168	0.849730168178742	0.000463058790473596	0.919847332507195
UVM	CBX5	cg11338003	-0.0709168578791254	80	-0.627901642064786	0.531902470473175	0.00502920073144808	0.70945256387467
UVM	CBX5	cg12263485	-0.0363504010050752	80	-0.321250361578187	0.748879898720019	0.00132135165322977	0.859325552278288
UVM	CBX5	cg12600134	-0.0683511635316256	80	-0.605076208137824	0.546884741470409	0.00467188155612702	0.720419127558192
UVM	CBX5	cg13445218	-0.0788496232130016	80	-0.698555955505956	0.486907159992591	0.00621726308083233	0.673275072955273
UVM	CBX5	cg14017196	-0.0751453223103926	80	-0.665547289832999	0.507663888687122	0.00564681946513279	0.690355752826262
UVM	CBX5	cg14394617	0.0181565948140569	80	0.160381141502378	0.872995476261915	0.00032966193524184	0.932714754243021
UVM	CBX5	cg15708001	-0.16245940239825	80	-1.45412024737939	0.149925130402347	0.0263930574275965	0.315530667528411
UVM	CBX5	cg20545544	-0.204700730961895	80	-1.84697839897411	0.0685426285705983	0.041902389256334	0.181565147337957
UVM	CBX5	cg20927027	0.0936345856247423	80	0.8306074337207	0.408730669102284	0.00876743562511721	0.604674972781434
UVM	CBX5	cg21826008	-0.18345656545527	80	-1.64821837976312	0.103330463004581	0.0336563114086437	0.243782678442966
UVM	CBX5	cg24505978	-0.135239871603783	80	-1.20548109660065	0.231661967393005	0.0182898228714078	0.422177452477778
UVM	CBX5	cg25817259	-0.211245824883583	80	-1.90874737787349	0.0599732793731509	0.0446247985307455	0.164639752119236
UVM	CBX6	cg03028106	0.23219097580107	80	2.10827384046477	0.0382179299630384	0.0539126492434532	0.118375762205153
UVM	CBX6	cg04134624	-0.257943390594262	80	-2.35788509931312	0.0208856785167421	0.0665347927512642	0.075280566859632
UVM	CBX6	cg04215348	0.0971521323122788	80	0.86210253924307	0.391273851991141	0.00943853681282253	0.588427343304506
UVM	CBX6	cg04801716	0.0570248414942455	80	0.504450625869437	0.615366857285333	0.00325183254744382	0.771156436993061
UVM	CBX6	cg06060673	-0.0201496426645737	80	-0.177992962516038	0.859189959508536	0.00040600809951001	0.925208306825673
UVM	CBX6	cg09913544	0.269684474659508	80	2.47343257227342	0.015555832721863	0.0727297158723749	0.0600660371650672
UVM	CBX6	cg14498989	-0.00895898312619269	80	-0.0791267721307582	0.937134440508352	8.02633786554053e-05	0.966414845035019
UVM	CBX6	cg24649346	-0.243465325025077	80	-2.21693601759287	0.0295397838353526	0.0592753644895663	0.0975886675593435
UVM	CBX6	cg25836955	0.239914172496066	80	2.18260967391222	0.0320732304279075	0.0575588101644723	0.10374225137868
UVM	CBX7	cg00545295	-0.101984466955328	80	-0.905423309234935	0.368029495053476	0.0104008315001623	0.566906649866148
UVM	CBX7	cg01525244	0.0143475369483344	80	0.126727059517518	0.899482543614032	0.000205851816483821	0.946955706795004
UVM	CBX7	cg02523424	0.0662259696257524	80	0.586178794083959	0.559447871067208	0.00438587905287108	0.730229659090644
UVM	CBX7	cg03804568	-0.0317574805089919	80	-0.280616015165768	0.779747894739747	0.001008537568279	0.878294667045458
UVM	CBX7	cg10339854	0.107011927631077	80	0.950562132560029	0.344762850109569	0.0114515526553189	0.54399288403188
UVM	CBX7	cg22268271	-0.180876386491439	80	-1.62424759529367	0.108357530060917	0.0327162671902003	0.25228888698747
UVM	CBX7	cg26672614	-0.0231837355788824	80	-0.20480825676267	0.838255443937716	0.000537485595391537	0.913425089725609
UVM	CBX7	cg27062573	-0.0259567989439287	80	-0.229321507448271	0.819219291937175	0.000673755411415536	0.902758790196148
UVM	CDYL2	cg01442398	-0.132516839283703	80	-1.18077054106361	0.241281975381895	0.0175607126937429	0.433500819362871
UVM	CDYL2	cg02461391	-0.216984650610294	80	-1.96312804047368	0.0531960323594531	0.0470823386004713	0.150930278160718
UVM	CDYL2	cg06919916	-0.178097229990794	80	-1.59846700680674	0.113982412029504	0.0317186233303937	0.261328807327318
UVM	CDYL2	cg10112854	0.221065129889467	80	2.0019238678097	0.0487695030516785	0.0488697916530471	0.141634924418646
UVM	CECR2	cg03927893	-0.125770744328131	80	-1.11966804919661	0.266291235003598	0.0158182801288521	0.462108464071692
UVM	CECR2	cg12632097	-0.363981714712882	80	-3.45134038294712	0.000903601741024459	0.13248268864533	0.00617541894414977
UVM	CECR2	cg13466481	-0.171665663102009	80	-1.53895546849437	0.127862290159404	0.0294690998882526	0.282794253920864
UVM	CECR2	cg26796679	-0.116859912100465	80	-1.03919896551987	0.30192289955326	0.0136562390561285	0.500336359233263

UVM	CHAF1A	cg03006338	0.0394708933611959	80	0.348869358032804	0.72812737863433	0.0015579514227309	0.846278237842008
UVM	CHAF1A	cg04346879	-0.18707055223055	80	-1.68185300664988	0.0965971141717373	0.034995391511843	0.232343193268285
UVM	CHAF1A	cg05297461	0.0488836227555873	80	0.432245223800089	0.666755841539001	0.00238960857371058	0.806631063956908
UVM	CHAF1A	cg07783855	0.0162582338283765	80	0.143607814474278	0.886180537308107	0.000264330167218165	0.939627481897626
UVM	CHAF1A	cg09700233	0.131646466723921	80	1.17287798626744	0.244414197545118	0.0173307922008925	0.437253261672414
UVM	CHAF1A	cg18804734	0.0427221474052481	80	0.377656592968209	0.706711425879694	0.00182518187891575	0.832746268780444
UVM	CHAF1A	cg23811775	-0.0251990025298282	80	-0.222622257060776	0.824411437101781	0.000634989728498287	0.905622609711466
UVM	CHAF1A	cg24085258	0.0192022263843784	80	0.169620746158184	0.865747556962519	0.000368725498116917	0.92871954852012
UVM	CHAF1B	cg00660452	-0.104842585167021	80	-0.931075959004344	0.354687160692646	0.010991967664504	0.553633358994435
UVM	CHAF1B	cg02544117	-0.0931487195398364	80	-0.826259622303617	0.411177137799718	0.0086766839519111	0.607012187983742
UVM	CHAF1B	cg02908490	-0.152680826975178	80	-1.36443783426416	0.176353530111386	0.0233114349258242	0.352272346167292
UVM	CHAF1B	cg04634639	-0.292716388705087	80	-2.70362164692197	0.00841591898655895	0.0856828842165478	0.0373521224121615
UVM	CHAF1B	cg07872789	-0.0287511004038935	80	-0.254027858104886	0.800142489023546	0.000826625774434766	0.890909304059132
UVM	CHAF1B	cg13854874	-0.0239989855642613	80	-0.212014365307234	0.832648865415611	0.00057595130811362	0.910227599770935
UVM	CHAF1B	cg25942896	-0.102540660915819	80	-0.910413555721292	0.365409330524565	0.010514587141053	0.56431074026857
UVM	CHD1	cg03255775	0.102987980751112	80	0.914427594897372	0.363310367871832	0.0106065241791915	0.562264840913946
UVM	CHD1	cg03833628	0.128802138356223	80	1.14710470851894	0.254844835790463	0.0165899908451356	0.449107447342408
UVM	CHD1	cg08865521	0.252553375340092	80	2.30521939670427	0.0238133735012951	0.0637832073956731	0.0830995190490177
UVM	CHD1	cg11365324	0.00531140217885823	80	0.0469096955977849	0.962705099805507	2.821099310558e-05	0.980407762203268
UVM	CHD1	cg12662497	-0.155830727400748	80	-1.3932803474803	0.167492888562866	0.0242832156022461	0.340287320071546
UVM	CHD1	cg16890600	0.0872494126213379	80	0.773515751398432	0.441555226661013	0.00761246000276848	0.634097755222607
UVM	CHD1	cg21082921	-0.0397550662771812	80	-0.351385024304148	0.726246931769226	0.00158046529470307	0.844938441211605
UVM	CHD4	cg00079216	0.0192546177181285	80	0.170083710625075	0.865384686186886	0.000370740303471269	0.928524443854444
UVM	CHD4	cg00824109	-0.196345989340153	80	-1.76850535313795	0.080886215288811	0.0385517475299634	0.204558583841584
UVM	CHD4	cg04344119	-0.0393233556780828	80	-0.34756330091106	0.729104308330363	0.001546326301785	0.84676402051338
UVM	CHD4	cg05147525	0.195635854769937	80	1.76185408069565	0.0820121501055316	0.0382733876715638	0.20662132279648
UVM	CHD4	cg11565429	0.147092975313382	80	1.3133760071252	0.192906685617642	0.0216363433865433	0.373749485550689
UVM	CHD4	cg19509514	-0.0675728126407293	80	-0.598154095976607	0.551470046881821	0.00456608500817911	0.723885275071701
UVM	CHD4	cg20308811	-0.0943193672291041	80	-0.83673627379883	0.405297073821673	0.0088961430344986	0.601714120453145
UVM	CHRAc1	cg00296189	-0.630683261335438	80	-7.1775182191688	3.61238029852259e-10	0.397761376128704	1.29205293307249e-08
UVM	CHRAc1	cg07270064	-0.662927620237249	80	-7.82015134660643	2.09712605308757e-11	0.439473029673423	9.3438616365346e-10
UVM	CHRAc1	cg08877624	-0.391672965029762	80	-3.75953162924963	0.000327186246070806	0.153407711535205	0.00262674167459569
UVM	CHRAc1	cg12002314	0.190367710656191	80	1.71260066953675	0.0907588920235106	0.0362398652604791	0.222098057441868
UVM	CHRAc1	cg18770186	0.276604910156585	80	2.54209135093749	0.0130004266854634	0.0765102763227323	0.0523286176628003
UVM	CHRAc1	cg19486048	0.560162100280414	80	5.97213803245302	6.5621989425322e-08	0.313781578590565	1.49007502783231e-06
UVM	CHRAc1	cg22610305	-0.0132643122195155	80	-0.117157540497191	0.907036362010215	0.000175941978656787	0.950842025956376
UVM	CHRAc1	cg23548819	-0.456580987423649	80	-4.53242254791891	2.07323045728736e-05	0.208466198076754	0.000247235809940142
UVM	CLOCK	cg05960024	-0.206007873110599	80	-1.85929349634347	0.0667566443196064	0.0424392437835527	0.178034500795319
UVM	CLOCK	cg06085476	-0.0320121234964652	80	-0.282868395073912	0.778027053829593	0.00102477605075294	0.877257869682499
UVM	CLOCK	cg07236904	-0.0468684961155517	80	-0.414386732610625	0.679728305335057	0.00219665592813348	0.815204850354156
UVM	CLOCK	cg07500410	-0.0791967357142337	80	-0.701650511547157	0.484985459888943	0.00627212294779018	0.671633692587554
UVM	CLOCK	cg11774413	-0.177477283800584	80	-1.59272154767244	0.115267373996534	0.031498186265233	0.2632865172841
UVM	CLOCK	cg18928811	0.0724452923884648	80	0.641505125066885	0.523075221672777	0.00524832038925015	0.702578999627156
UVM	CLOCK	cg22523077	-0.206779692667455	80	-1.86656998562066	0.0657198539809009	0.042757841299647	0.175957128324277
UVM	CLOCK	cg23506964	-0.115219164783419	80	-1.02441058791991	0.308807982284514	0.0132754559333887	0.507443880145356
UVM	CREBBP	cg00039463	0.0856831720513697	80	0.759526494051455	0.449827103677847	0.00734160597278462	0.640924736781158
UVM	CREBBP	cg00747661	-0.175065764320971	80	-1.57039091852315	0.120372197556078	0.0306480218372858	0.271304447097796
UVM	CREBBP	cg03039399	-0.227504368315928	80	-2.06337185351987	0.0424040922656576	0.0517582376028295	0.127785265001267
UVM	CREBBP	cg03264209	0.127569564729673	80	1.13594498537851	0.259457821952671	0.0162739938453182	0.454334439314502
UVM	CREBBP	cg08506924	0.0582819461743867	80	0.515608662297728	0.607586157108744	0.0033967852498741	0.765524706953187
UVM	CREBBP	cg24567591	-0.114835000412696	80	-1.02094927152549	0.310434645223806	0.0131870773197838	0.509237726520117
UVM	CTCF	cg01866162	-0.128645506516919	80	-1.14568626497725	0.255427917827904	0.0165496663469947	0.449686780110074
UVM	CTCF	cg04487155	-0.324319807422106	80	-3.0279851680551	0.00333631585647307	0.105183337486312	0.0179281174095783
UVM	CTCF	cg06241380	-0.243234163237127	80	-2.2146986846803	0.0296993991213944	0.0591628581656654	0.0979537480497627
UVM	CTCF	cg07967402	-0.17350036397307	80	-1.5559109738815	0.123777667460858	0.0301023762987878	0.276596669705283
UVM	CTCF	cg08324636	-0.0415296677464818	80	-0.367096799376942	0.714540894037632	0.00172471330313317	0.837645519367755
UVM	CTCF	cg10218542	-0.335943643528665	80	-3.15004814389805	0.00231486875293678	0.112858131627314	0.0133820985186865

UVM	CTCF	cg10481400	0.0943351138885736	80	0.836877221489283	0.405218317132236	0.00889911371237014	0.601674913881341
UVM	CTCF	cg23858565	-0.273520347780909	80	-2.51143689325459	0.0140905529041105	0.0748133806501892	0.0556144329082887
UVM	CXXC1	cg02159718	-0.0383421343938087	80	-0.338877749042549	0.735612433773218	0.00147011926987289	0.850960366294722
UVM	CXXC1	cg07675399	0.0892665545417228	80	0.791540874574731	0.431028942208149	0.00796851775975036	0.625027317516789
UVM	CXXC1	cg11871295	-0.0647288133653854	80	-0.572870773012999	0.568379988074143	0.0041898192796909	0.736902221181361
UVM	CXXC1	cg13423076	-0.0934971805803258	80	-0.829377793146374	0.409421677859884	0.00874172277647006	0.605374221890701
UVM	CXXC1	cg15632775	0.0587794198706187	80	0.520024905732002	0.604519035963797	0.00345502020032649	0.763362127558198
UVM	CXXC1	cg20016845	-0.0376651488953532	80	-0.332885798299931	0.740113566613048	0.00141866344130913	0.853712279976369
UVM	CXXC1	cg27419474	0.21896873526092	80	1.9819784056173	0.0510042341973035	0.047947307021767	0.146397941008192
UVM	DAXX	cg00221327	-0.0167778328005717	80	-0.148198667259817	0.882568436048889	0.000281495673483939	0.937676230012664
UVM	DAXX	cg02173004	-0.190849531393898	80	-1.71709889696444	0.0899295566186595	0.0364235436332703	0.220665528879384
UVM	DAXX	cg02328295	0.269578870950866	80	2.47238809990974	0.0155979657334411	0.0726727676631434	0.0601660128057972
UVM	DAXX	cg03085224	-0.250030946350031	80	-2.28065194634414	0.0252991503347253	0.0625154741326922	0.0869849775099275
UVM	DAXX	cg03369465	-0.475674285087321	80	-4.77596507125189	8.22857478513695e-06	0.226266025493334	0.000110045340697085
UVM	DAXX	cg03382121	-0.0795514475072971	80	-0.704813081663556	0.483025857828808	0.00632843280050624	0.669955214495904
UVM	DAXX	cg03902329	-0.0842899523533247	80	-0.74708738514389	0.457257010946769	0.00710479606772575	0.64745548696953
UVM	DAXX	cg04086445	-0.22372216589281	80	-2.02724533828811	0.0460535917774981	0.0500516075117702	0.135852158301937
UVM	DAXX	cg04152866	0.108875305941638	80	0.967310928523715	0.336378401281265	0.0118538322438852	0.535948497711767
UVM	DAXX	cg04271391	-0.125819607670598	80	-1.12011004851509	0.266104021693753	0.0158305736743832	0.461921251036204
UVM	DAXX	cg04488476	-0.0708690641811779	80	-0.627476337332969	0.532179684375942	0.00502242425791591	0.709676300912664
UVM	DAXX	cg04973788	-0.306745594132859	80	-2.84632045259348	0.00564898772126247	0.0940928595199206	0.0273481455465737
UVM	DAXX	cg05431670	0.222522717180493	80	2.01580878069418	0.0472637398545187	0.0495163596613896	0.138502858260535
UVM	DAXX	cg05532204	-0.0672675824382099	80	-0.595439890771649	0.553273217704634	0.00452492764708137	0.725273979327693
UVM	DAXX	cg06171013	-0.0174831951832603	80	-0.154431002695075	0.877668804636109	0.000305662113815975	0.935091751809611
UVM	DAXX	cg07689821	-0.310027866259609	80	-2.87999670064114	0.00513178595318465	0.0961172778574863	0.0253072682372137
UVM	DAXX	cg08375286	0.0393777200149866	80	0.348044551100088	0.728744281300515	0.00155060483357868	0.846591403785712
UVM	DAXX	cg08567382	-0.500666435087513	80	-5.10808733454903	2.25066002491373e-06	0.250666879223239	3.50385923510384e-05
UVM	DAXX	cg09097215	0.0254221989193021	80	0.224595369950096	0.822881383089697	0.000646288197892565	0.904671034879323
UVM	DAXX	cg09432361	0.117452094215344	80	1.04453853105137	0.299462719899076	0.01379499443557	0.497743843086674
UVM	DAXX	cg09615909	-0.661567227037554	80	-7.79159049695193	2.38137721754199e-11	0.437671195890159	1.05319419705209e-09
UVM	DAXX	cg11111423	-0.640309299664185	80	-7.3622342649039	1.59940161222153e-10	0.409995999236439	6.14742337061076e-09
UVM	DAXX	cg12025215	0.028735529038728	80	0.253890164927988	0.800248483176888	0.000825730629135578	0.890909304059132
UVM	DAXX	cg12832355	-0.669105803495535	80	-7.9516194876052	1.16759154623206e-11	0.447702576271406	5.48831521133394e-10
UVM	DAXX	cg12923297	-0.5026322391547	80	-5.13490573854822	2.02354760506146e-06	0.252639167837667	3.19245310055063e-05
UVM	DAXX	cg13443893	-0.00095203226357272	80	-0.0084081250993209	0.993312833878338	9.06365430883413e-07	0.996516110267105
UVM	DAXX	cg13826470	-0.0817961073897115	80	-0.724832513063074	0.470723614412263	0.00669060318410922	0.659192699805363
UVM	DAXX	cg14539675	0.340431829321037	80	3.19760820193992	0.0020026173651668	0.115893830414868	0.0119117730693466
UVM	DAXX	cg14622330	-0.280232206408535	80	-2.57824846803215	0.0118127429054306	0.0785300895085957	0.0485723319812868
UVM	DAXX	cg14746369	0.454764994805707	80	4.50968328726452	2.25727192297291e-05	0.206811200500635	0.000266225306209452
UVM	DAXX	cg14910283	-0.630980227571046	80	-7.18313262950777	3.52419719496595e-10	0.398136047585609	1.26399906217234e-08
UVM	DAXX	cg16922466	0.109828287977877	80	0.975880692040432	0.332140522526125	0.0120622528401514	0.531810394134058
UVM	DAXX	cg17079757	0.0184985244435925	80	0.16340250445112	0.870624169898611	0.000342195406590187	0.931314701305609
UVM	DAXX	cg17504991	0.108118332194096	80	0.960505709140689	0.339768836031066	0.0116895737564329	0.539030185191266
UVM	DAXX	cg18187593	-0.0905386932334984	80	-0.802913703718848	0.424464462697145	0.00819725497242953	0.619364302266979
UVM	DAXX	cg18279148	-0.524797627227175	80	-5.44494829604159	5.81785547208918e-07	0.275412549543272	1.05721618452629e-05
UVM	DAXX	cg18486541	0.0868533626199216	80	0.769977793031579	0.443638800257386	0.00754350659838759	0.635763780551223
UVM	DAXX	cg18944910	-0.652666741787676	80	-7.60804294156733	5.38401583489967e-11	0.425973875835741	2.23980817037532e-09
UVM	DAXX	cg18967278	0.211333249881345	80	1.90957424281738	0.0598650057496594	0.0446617425054108	0.164377447577999
UVM	DAXX	cg20223162	-0.508595725295578	80	-5.21691914204034	1.45947978398472e-06	0.258669611788935	2.38576949601402e-05
UVM	DAXX	cg20763184	-0.276220831028671	80	-2.53826975287288	0.013132050226549	0.0762979474941697	0.0527325285764753
UVM	DAXX	cg21286626	0.264063143228956	80	2.41796733066088	0.0179398687516493	0.0697293436119559	0.0669648361242648
UVM	DAXX	cg24328964	-0.148323115098177	80	-1.3246058101044	0.189169847824547	0.021999746472427	0.368967760854025
UVM	DAXX	cg24496586	0.0266948429141607	80	0.235846517798804	0.814169941945827	0.000712614638211718	0.900038885689389
UVM	DAXX	cg24513883	-0.629103388844674	80	-7.14773709046927	4.11815890729652e-10	0.395771073855852	1.45854659183216e-08
UVM	DAXX	cg24728112	0.00462472305092604	80	0.0408448848575999	0.967523926418378	2.13880632977667e-05	0.982900300766435
UVM	DAXX	cg25642825	-0.21691014908822	80	-1.96242071657408	0.053279813223719	0.0470500127774739	0.151095428329177
UVM	DAXX	cg26521092	0.240756225717083	80	2.19074069874751	0.0314565511090542	0.0579635602215352	0.102279149752477

UVM	DAXX	cg27052777	-0.64444336217305	80	-7.44334588402881	1.1172652627506e-10	0.415307247048905	4.42999662846179e-09
UVM	DAXX	cg27393652	0.334666396287045	80	3.13655795233171	0.00241138513487424	0.112001596803758	0.0138236364185008
UVM	DIDO1	cg00080059	-0.0402378484438616	80	-0.355659092921255	0.723055946485737	0.00161908444739117	0.843061472869637
UVM	DIDO1	cg01488865	-0.012112131313207	80	-0.106979294758144	0.915080087161359	0.00014670372494837	0.955129881133348
UVM	DIDO1	cg06646488	-0.111728354417705	80	-0.992975339292353	0.323792445903565	0.0124832251808882	0.523196818745901
UVM	DIDO1	cg08610063	0.149818387406506	80	1.33826444817506	0.18469841923142	0.022445549205086	0.363185258207593
UVM	DIDO1	cg13815390	-0.108316574674276	80	-0.962287751795786	0.33887885162303	0.011732480349168	0.538212841108203
UVM	DIDO1	cg20969846	-0.0668573897435679	80	-0.591792589657941	0.555700916075311	0.00446991056332334	0.727103652843456
UVM	DIDO1	cg21212389	0.051935880597182	80	0.459305146179461	0.647292568088235	0.00269733569340474	0.793265504446368
UVM	DIDO1	cg21687703	0.0557243098332606	80	0.492909665135311	0.623461214892456	0.00310519870639323	0.776894790186508
UVM	DIDO1	cg22394521	-0.23715775683992	80	-2.15602963873694	0.0341634081481029	0.0562438016293426	0.108775351920498
UVM	DMAP1	cg01604592	-0.235998336578624	80	-2.14486591650438	0.0350760863174916	0.0556952148678774	0.111035973915888
UVM	DMAP1	cg11683482	-0.127831535201818	80	-1.13831641675603	0.258472666761621	0.0163409013920537	0.453095984342052
UVM	DMAP1	cg15990015	0.241479710546303	80	2.19773099802677	0.0309347004343761	0.0583124506055263	0.100949456168122
UVM	DMAP1	cg18017761	0.0902337958641233	80	0.800187584096048	0.426032547796119	0.00814213791604828	0.62066285929046
UVM	DMAP1	cg18167340	-0.00690000439568814	80	-0.0609406395103679	0.951562362538758	4.76100606605157e-05	0.974344750659298
UVM	DMAP1	cg21437596	-0.322791365075973	80	-3.01205078925154	0.00349697126611201	0.10419426536761	0.0186318322495663
UVM	DMAP1	cg23021241	-0.322144855698912	80	-3.0053187018539	0.003566978546757	0.103777308053273	0.0189360945179755
UVM	DMAP1	cg23451311	0.0831594100791984	80	0.736996790709545	0.463335415386557	0.00691548748472028	0.652629283081329
UVM	DMAP1	cg24485408	0.00152031141337686	80	0.013427042362578	0.989321376551466	2.31134679364396e-06	0.994331763616505
UVM	DNMT1	cg04160663	-0.19719257556326	80	-1.77643844408812	0.0795600524213592	0.0388849118572719	0.202238096917632
UVM	DNMT1	cg04762346	-0.387280116978096	80	-3.709876346494	0.000386719556458862	0.149985889006568	0.00302052823043782
UVM	DNMT1	cg06128182	-0.0702523410396234	80	-0.621988653588912	0.535763237311749	0.00493539142154755	0.712089406367628
UVM	DNMT1	cg06716436	-0.013919154840883	80	-0.122942557215006	0.90246881752439	0.000193742871484475	0.948431038453642
UVM	DNMT1	cg10635912	-0.131815498484545	80	-1.174410552857	0.243803720795904	0.017375325640729	0.436512133614405
UVM	DNMT1	cg11380607	0.0928722710763176	80	0.823786067166166	0.412572927976403	0.00862525873487303	0.608241706318152
UVM	DNMT1	cg13393778	-0.204188033242667	80	-1.84215089367512	0.0692535718456216	0.0416927529195085	0.182894129346447
UVM	DNMT1	cg15043801	0.0496416194242496	80	0.438964112917193	0.661901130726967	0.00246429037906204	0.803268748167381
UVM	DNMT1	cg21893394	-0.253433356718287	80	-2.3138018410929	0.0233128133362821	0.0642284662974985	0.0817598503598743
UVM	DNMT1	cg23401624	-0.371513888113859	80	-3.53406397744453	0.000691506392543348	0.138022569061477	0.00493713732576333
UVM	DNMT1	cg24477899	-0.20339390843084	80	-1.83467662267115	0.0703664741082032	0.0413690819867729	0.185104450004055
UVM	DNMT1	cg27429799	-0.0314538586521314	80	-0.277930476555472	0.781801111340726	0.00098934522410826	0.879452572309566
UVM	DNMT3A	cg02208653	-0.00589759516465854	80	-0.0520870560248744	0.95859249292814	3.47816287262038e-05	0.978272631083337
UVM	DNMT3A	cg03463641	-0.128763915594131	80	-1.14675855865012	0.254987041106661	0.0165801459591324	0.449282258209175
UVM	DNMT3A	cg06112956	-0.188508595749288	80	-1.69525617167004	0.0940155727037159	0.0355354906713686	0.227859912234808
UVM	DNMT3A	cg07150430	-0.16944522979148	80	-1.51845724011098	0.13294221113425	0.0287116858990875	0.290618333547084
UVM	DNMT3A	cg12066181	-0.0661116128841512	80	-0.585162153249073	0.560127767062527	0.00437074535814387	0.730798301258884
UVM	DNMT3A	cg13076778	-0.206794921857067	80	-1.86671359854054	0.0656995282113067	0.0427641397058705	0.175932983293876
UVM	DNMT3A	cg13344237	-0.263043518922059	80	-2.40793538326872	0.0184043497683312	0.0691918928468995	0.0682825250800054
UVM	DNMT3A	cg15990840	-0.188314134155144	80	-1.69344304971947	0.0943614595031955	0.0354622131226017	0.228449114013369
UVM	DNMT3A	cg15998962	-0.399153688206314	80	-3.84479365930642	0.000244804225217118	0.159323666808703	0.00205617576080118
UVM	DNMT3A	cg21629895	-0.449981118208911	80	-4.45011894443462	2.81765185407846e-05	0.202483006744542	0.000322774861340274
UVM	DNMT3A	cg21708767	-0.214948630029518	80	-1.94381078357075	0.0555248149499331	0.0462029135515664	0.155614322856293
UVM	DNMT3A	cg22731525	-0.368260773390809	80	-3.49823839315256	0.000776814833370178	0.135615997218397	0.005431559693259
UVM	DNMT3A	cg25044635	-0.204429822037446	80	-1.84442735297003	0.0689175537611588	0.0417915521382617	0.182217047116052
UVM	DNMT3A	cg26470599	-0.419147810573629	80	-4.07725498320165	0.000108941973996655	0.175684887108667	0.00103708173336953
UVM	DNMT3A	cg26995204	-0.151315821288443	80	-1.35195224508232	0.180297894755659	0.0228964777721962	0.357448988947751
UVM	DNMT3B	cg00300969	0.032306295280554	80	0.285470485589588	0.776040411608625	0.00104369671475435	0.876063578287629
UVM	DNMT3B	cg13636640	-0.149720832449944	80	-1.33737304235027	0.184987785471124	0.0224163276695041	0.363554460967579
UVM	DNMT3B	cg14224313	-0.29715660124256	80	-2.7485724785909	0.00743350694369282	0.0883020456620299	0.0339435397178479
UVM	DNMT3B	cg16523653	-0.00072727208759900	80	-0.0064230948610963	0.994891546533808	5.28924689400609e-07	0.997348081450852
UVM	DNMT3B	cg16953106	0.0635251154672276	80	0.562174085465988	0.57560945184365	0.0040354402951246	0.742410258456396
UVM	DNMT3B	cg17475857	0.0490657856030709	80	0.433859848096873	0.665587891153754	0.00240745131684652	0.805836605429406
UVM	DNMT3B	cg17721173	-0.0748608682770967	80	-0.663013711066542	0.509276416604592	0.00560414959920082	0.691750904498413
UVM	DNMT3B	cg22605822	-0.470678327347576	80	-4.71143081857586	1.05357179135671e-05	0.221538087834712	0.00013722009699783
UVM	DNMT3B	cg24403338	-0.00777211260105924	80	-0.068643513180947	0.945449050361399	6.04057342835438e-05	0.970845225304118
UVM	DNMT3B	cg25803642	0.0645598689988947	80	0.571369294832392	0.569392102433889	0.00416797668515444	0.737637002032519

UVM	DNMT3L	cg09247319	-0.245223792035436	80	-2.23396877893151	0.0283491008958102	0.0601347081802387	0.0946633620113314
UVM	DNMT3L	cg15635600	0.179601071851923	80	1.61241230633737	0.11091136028169	0.0322565450103596	0.256418048149529
UVM	DNMT3L	cg27187798	-0.127363790610317	80	-1.13408242890252	0.260233433381867	0.0162215351586286	0.455354365066892
UVM	DPF1	cg06168449	0.372248389901237	80	3.54217363918426	0.000673467336553965	0.138568863784064	0.00482227983992722
UVM	DPF1	cg06615189	-0.166418379682525	80	-1.49055274354267	0.140111972388003	0.0276950770961571	0.301509523386692
UVM	DPF1	cg07480327	-0.00573716191980469	80	-0.0506700760374373	0.959717956013546	3.29150268940571e-05	0.978946039783361
UVM	DPF1	cg08057062	0.00262350879624859	80	0.0231702820575026	0.981573616968365	6.88279840399374e-06	0.990504927553699
UVM	DPF1	cg13322582	-0.0654590468708854	80	-0.579361229657947	0.56401502604767	0.00428488681724477	0.733790198785056
UVM	DPF1	cg13917712	-0.0535298588020465	80	-0.47344170953622	0.637220474175175	0.00286544578336704	0.786606308600183
UVM	DPF1	cg17121541	-0.0603907312212554	80	-0.534331751446326	0.594631788994593	0.0036470404174379	0.756171399968049
UVM	DPF1	cg22145401	-0.183944827691618	80	-1.6527584592807	0.102399956078161	0.033835699634499	0.242312374512644
UVM	DPF1	cg27400772	-0.158401613806904	80	-1.41685327801101	0.16050759791843	0.0250910712566314	0.330410099559852
UVM	DPF2	cg02186298	0.0543143657711257	80	0.480400616471115	0.632287179062196	0.00295005032911963	0.783225833698999
UVM	DPF2	cg14699126	0.0876883453623172	80	0.77743721787418	0.439252485505496	0.00768924591238101	0.631994753275014
UVM	DPF2	cg15918224	-0.0335939944130345	80	-0.296861685075517	0.767361199761673	0.001128556460623	0.871132505060189
UVM	DPF2	cg15929437	0.108372379736102	80	0.962789415980981	0.338628586741538	0.0117445726896659	0.537995118979095
UVM	DPF2	cg18224556	0.124460787931494	80	1.10782175422421	0.271343302245595	0.0154904877325283	0.467632736089037
UVM	DPF2	cg19517014	-0.201092043891247	80	-1.81303284320346	0.0736738321083959	0.0404380101163594	0.191333069438843
UVM	DPF3	cg00888802	-0.109339018372892	80	-0.971480559174792	0.334312044661448	0.0119550209387476	0.533874292193635
UVM	DPF3	cg05151458	-0.0486895007586561	80	-0.430524645596613	0.66800134117186	0.00237066748412718	0.807397050092813
UVM	DPF3	cg07171024	-0.0459310815309115	80	-0.406080901749257	0.68579507396261	0.00210966425059924	0.8191581994857
UVM	DPF3	cg10266394	-0.0896619171152608	80	-0.795074966851826	0.428982637046779	0.0080392593807839	0.623070429350033
UVM	DPF3	cg12913429	-0.018519727532725	80	-0.163589861334988	0.870477162290841	0.000342980307886373	0.93126169045019
UVM	DPF3	cg13819165	0.0253247353789216	80	0.223733763331082	0.823549433468689	0.000641342222012403	0.905043618289692
UVM	DPF3	cg14238615	0.00461562845756833	80	0.0407645610120089	0.967587756652228	2.13040260583146e-05	0.982935783575416
UVM	DPF3	cg14242696	-0.17464901480696	80	-1.56653479299196	0.121271714251447	0.0305022783730418	0.272665079146737
UVM	DPF3	cg15392845	-0.00418556001367404	80	-0.0369661889375683	0.970606409450106	1.7518912628067e-05	0.984437686819749
UVM	DPF3	cg15740492	-0.11982812789079	80	-1.06597408552011	0.289723864735074	0.0143587802338116	0.487198528667164
UVM	DPF3	cg16696021	-0.0175850508945751	80	-0.155330982991843	0.87696166335284	0.000309234014964798	0.934878822561883
UVM	DPF3	cg19710444	-0.018352088283709	80	-0.162108556429964	0.87163957673555	0.00033679914437305	0.93191424234372
UVM	DPF3	cg19839347	-0.131289912629086	80	-1.16964554516395	0.245705380766538	0.0172370411581529	0.4386748823266
UVM	DPF3	cg20548765	-0.0804724575679382	80	-0.713025964042486	0.477957496454321	0.00647581642702362	0.665572818028594
UVM	DPF3	cg21035356	-0.0497240810526793	80	-0.439695099163777	0.661373827129854	0.00247248423653342	0.803004627655016
UVM	DPF3	cg22784589	-0.0612734063591011	80	-0.54217080076258	0.589246468640339	0.00375443032684753	0.752545485422012
UVM	DPF3	cg23515460	-0.101277628900669	80	-0.899082701286174	0.371375830358663	0.0102571581157416	0.570018375560766
UVM	DPF3	cg24383902	-0.00462915288846102	80	-0.0408840093797781	0.967492835760137	2.1429056464747e-05	0.982898960496999
UVM	DPF3	cg25495195	0.0273823604313606	80	0.241925173273652	0.809473067829572	0.000749793662792944	0.897022868260702
UVM	DPF3	cg26057784	0.00415431399739321	80	0.036690224395886	0.970825742015686	1.72583247889372e-05	0.984557454462557
UVM	EED	cg00080012	0.0349167294021802	80	0.308564359118272	0.758475546396916	0.00121917799214508	0.865402109888264
UVM	EED	cg01739327	0.246552289036016	80	2.24685233483851	0.0274766723840303	0.0607880312288993	0.0924504356443017
UVM	EED	cg02172616	-0.0748820067938764	80	-0.663201982268031	0.509156495062572	0.00560731494147815	0.691636319420589
UVM	EED	cg04607174	-0.112615148709532	80	-1.00095747317031	0.319942546468534	0.01268217171887	0.519323355519292
UVM	EED	cg06358433	-0.0760266377084214	80	-0.673398041113677	0.502684579352555	0.00578004964124756	0.686223948727827
UVM	EED	cg10086030	0.0643541432778877	80	0.569540992204672	0.570625704973937	0.0041414557570309	0.738622982934433
UVM	EED	cg10535675	0.0919116266365257	80	0.81519207839546	0.4174445904913	0.0084477471109721	0.612891791655913
UVM	EED	cg12672785	0.115117720624857	80	1.0234965320656	0.309236988221972	0.0132520896018625	0.507869917702671
UVM	EED	cg16265078	0.0222671203461405	80	0.196706654129023	0.844568740593781	0.000495824648509502	0.916952264465585
UVM	EED	cg18574463	-0.221778023297859	80	-2.00871308980435	0.0480281855359901	0.0491854916179057	0.140094316927469
UVM	EED	cg19325359	0.0315533617594431	80	0.278810574096108	0.781128065128563	0.000995614638322284	0.879089717158936
UVM	ELP3	cg01209934	-0.0184783042211297	80	-0.163223832678714	0.870764367069952	0.000341447726888618	0.931419029422504
UVM	ELP3	cg02516513	-0.139443201856868	80	-1.24367967539797	0.217342352372027	0.0194444065440953	0.404805855210435
UVM	ELP3	cg04720865	-0.26505047653149	80	-2.42768987544183	0.0174997297260174	0.0702517551095698	0.0657097197753548
UVM	ELP3	cg05621091	-0.62194524270675	80	-7.01461765140541	7.38869677162086e-10	0.386815884925559	2.50352219418095e-08
UVM	ELP3	cg15692687	-0.177425652004142	80	-1.59224312944606	0.115374893057647	0.031479861989095	0.263480828725278
UVM	ELP3	cg17572663	0.3363937806938	80	3.15480712159339	0.00228168958010315	0.113160775689469	0.0132255753631566
UVM	ELP3	cg18022570	-0.178636897338229	80	-1.60347006793481	0.11287287267827	0.031911141090629	0.259780250795342
UVM	ELP3	cg18249244	-0.391925799601883	80	-3.76239876676277	0.000324030325685338	0.153605832393575	0.00260651588836368

UVM	ELP3	cg19781013	0.143261706888666	80	1.27844045384914	0.204885217005394	0.020523916660654	0.389055862422321
UVM	ELP3	cg22414525	-0.304655280949735	80	-2.82493229400658	0.006001916840231	0.092814840210562	0.0286836907893433
UVM	ELP3	cg22487209	-0.213443666550876	80	-1.92954916174917	0.0572991837795438	0.0455581987906816	0.15919759653378
UVM	ELP3	cg25374552	0.304328465052171	80	2.82159238138646	0.00605882256628851	0.0926158146410103	0.0288935231240022
UVM	ELP4	cg04972224	-0.00360321446514942	80	-0.0318229350880048	0.974694546364725	1.2983154481862e-05	0.986765720367498
UVM	ELP4	cg05195750	-0.0186179184696426	80	-0.164457508920325	0.869796431301565	0.000346626888142258	0.930895657834497
UVM	ELP4	cg05635455	-0.0926822652304354	80	-0.822086078982697	0.413533863524907	0.00859000228824477	0.609138912371133
UVM	ELP4	cg08111895	0.131247626197314	80	1.16926221632584	0.245858822431689	0.01722593938243	0.438858731408627
UVM	ELP4	cg08626560	-0.193793600405659	80	-1.74461253633945	0.0849912518083559	0.0375559595581882	0.212022226028102
UVM	ELP4	cg09616795	0.104761585347216	80	0.930348638160864	0.355061111327447	0.010974989764462	0.553972525513075
UVM	ELP4	cg10583382	0.158889995705889	80	1.42133466592395	0.159205395482316	0.0252460307354173	0.328642587065524
UVM	ELP4	cg11385473	-0.176559080285213	80	-1.58421553179358	0.117191022477183	0.0311731088311604	0.266384946312237
UVM	ELP4	cg13263383	-0.0524876441797397	80	-0.464198184877058	0.643798769417719	0.00275495279153896	0.790886546885672
UVM	ELP4	cg19328333	-0.0924103927436214	80	-0.819653784922235	0.414911088741417	0.00853968068703036	0.610497120114047
UVM	ELP4	cg24001477	0.0414697302735109	80	0.366566075500063	0.714935212530954	0.00171973852895775	0.837872350510109
UVM	ELP4	cg24531794	-0.136236981475857	80	-1.21453644348905	0.228207087948682	0.018560515121653	0.418084972797018
UVM	ELP4	cg25130734	-0.247326772666022	80	-2.25436937246696	0.0269786254372748	0.0611705324773902	0.0912035106582374
UVM	EP300	cg00500400	0.0151114141892602	80	0.133475637245519	0.894161003577306	0.000228354838799375	0.943920875962343
UVM	EP300	cg02046995	0.0310479300738129	80	0.274340154070542	0.784548497171553	0.000963973961868378	0.881045676376207
UVM	EP300	cg07519229	0.000610727762317269	80	0.00539380255712662	0.995710160516482	3.72988399665059e-07	0.997809637847821
UVM	EP300	cg08131204	0.00750367431000045	80	0.0662725228924422	0.947330432499685	5.63051281505607e-05	0.971966208529258
UVM	EP300	cg09331127	-0.131485792804248	80	-1.17142129454585	0.244995463864948	0.0172885137093617	0.437882014080732
UVM	EP300	cg24349919	-0.140707432785267	80	-1.2551819272426	0.213160262819185	0.0197985816410205	0.399576653773722
UVM	EPC1	cg02900516	-0.0187479233119241	80	-0.165606282020279	0.868895288810753	0.000351484628509788	0.930494467509274
UVM	EPC1	cg16942190	0.00517443149516654	80	0.0456999533908161	0.963666201582925	2.67747412981715e-05	0.980915506319081
UVM	EPC1	cg26211455	-0.029005684038517	80	-0.256279095485523	0.79841005357242	0.000841329706542279	0.889900735108213
UVM	EPC2	cg00066942	-0.132357694672408	80	-1.17932720760642	0.241852611091413	0.0175185593389943	0.434188309769584
UVM	EPC2	cg03664802	0.00580557737660127	80	0.0512743351821642	0.959238001647242	3.37047286757044e-05	0.978679583446926
UVM	EPC2	cg04098458	-0.0759187191176319	80	-0.672436618167365	0.503292940998541	0.00576365191246188	0.686744367428656
UVM	EPC2	cg05586854	0.0987154793691602	80	0.876110696058135	0.383660019178864	0.0097447458670831	0.581887963138308
UVM	EPC2	cg10458926	-0.0896210735890947	80	-0.794709854605755	0.42919377678455	0.00803193683126192	0.623285926129326
UVM	EPC2	cg11721798	-0.1653356265558	80	-1.4805814253238	0.142746327174332	0.0273358694085989	0.305337176611949
UVM	EPC2	cg12432635	-0.0150246137609128	80	-0.13270877546511	0.894765466819982	0.000225739018664609	0.944110578420596
UVM	EPC2	cg16434205	0.0666158238944993	80	0.58964480519566	0.557132989401882	0.00443766799314294	0.728397007840632
UVM	EPC2	cg21347644	-0.0971954952195748	80	-0.862490999257643	0.391061460116344	0.00944696429097838	0.588269024651257
UVM	EPC2	cg21650422	-0.125593324318593	80	-1.11806324446755	0.266971743037915	0.0157736831133953	0.46271130643533
UVM	EZH1	cg00728999	-0.0847562588491106	80	-0.751250222891212	0.454762748025806	0.00718362341409744	0.645015556080797
UVM	EZH1	cg01716316	0.121782645609267	80	1.0836208178019	0.281871251228523	0.0148310127715923	0.478973637929965
UVM	EZH1	cg03623386	-0.213349790695973	80	-1.92866003565729	0.0574113791538701	0.0455181331900153	0.159412529175007
UVM	EZH1	cg05375741	-0.32744794691082	80	-3.06067961939335	0.00302790716767958	0.107222157936111	0.0165905768560688
UVM	EZH1	cg05979501	-0.22051163952218	80	-1.99665504393875	0.0493515357332674	0.04862538316476	0.142951683763406
UVM	EZH1	cg06975499	0.0138040572965334	80	0.121925750179158	0.903271400929548	0.000190551997845977	0.948758505509675
UVM	EZH1	cg12812489	-0.0998876839601679	80	-0.886618365912604	0.378009921461579	0.00997754940692637	0.576617263675406
UVM	EZH1	cg19395400	0.0969002258085053	80	0.859845971068	0.392509049827615	0.00938965376173931	0.589428216360081
UVM	EZH1	cg22227424	-0.0281030983200096	80	-0.248297914209351	0.804556462015253	0.000789784135184127	0.893716753616361
UVM	EZH1	cg27088844	-0.168821965453995	80	-1.51270778621724	0.134395296860389	0.0285008560197499	0.292721889407205
UVM	EZH2	cg01893439	0.00223765548349761	80	0.0197624876079363	0.984283309181934	5.00710206282692e-06	0.99179244549575
UVM	EZH2	cg02303805	-0.0395371458134419	80	-0.34945585621747	0.727688824788615	0.00156318589907337	0.84597074638142
UVM	EZH2	cg06816161	0.060341705571902	80	0.533896391071829	0.594931546447704	0.00364112143132611	0.756396865505512
UVM	EZH2	cg13751213	-0.117518288852459	80	-1.04513546247264	0.299188536086335	0.01381054821481	0.497500704862781
UVM	EZH2	cg18494018	-0.137099528639977	80	-1.22237277925042	0.225247621057639	0.0187962807533038	0.414615939061542
UVM	EZH2	cg20101066	0.201984133160192	80	1.82141716717898	0.0723775708331608	0.0407975900484741	0.188859566610928
UVM	FBXL19	cg00026853	-0.108274729366677	80	-0.961911586006705	0.339066588555534	0.0117234170194272	0.538412079567455
UVM	FBXL19	cg02291855	0.104764004404694	80	0.930370359307359	0.355049939767894	0.0109754966189067	0.553966205661924
UVM	FBXL19	cg03181514	0.0151043855546142	80	0.133413540766166	0.894209947541245	0.000228142462982438	0.943935707717617
UVM	FBXL19	cg03627896	-0.00776878616659765	80	-0.0686141322462587	0.945472362274306	6.0354038502319e-05	0.970856348346983
UVM	FBXL19	cg04477789	-0.0816918999098394	80	-0.723902875227585	0.471290961145882	0.00667356651087922	0.659595377015071

UVM	FBXL19	cg05643349	-0.133493445946853	80	-1.18962973967367	0.237800567924095	0.0178205001107653	0.429331323100722
UVM	FBXL19	cg05768582	-0.0126414829994914	80	-0.111655476872278	0.911383413522225	0.000159807092426429	0.952920732652554
UVM	FBXL19	cg06862768	0.124035713001141	80	1.10397895270768	0.272996420251732	0.0153848580997013	0.469295167655086
UVM	FBXL19	cg07697662	0.0514419622622246	80	0.454925436954733	0.650426568097721	0.00264627548138814	0.795516636399793
UVM	FBXL19	cg08535091	-0.0680342265375739	80	-0.602257457419872	0.548749597998847	0.00462865598056593	0.721886293061104
UVM	FBXL19	cg08593668	0.0797163504688742	80	0.706283429437284	0.482116290860513	0.00635469653207638	0.669213718448953
UVM	FBXL19	cg09011601	-0.0418307230139708	80	-0.369762591194524	0.712561434447729	0.00174980938787154	0.836484694675136
UVM	FBXL19	cg11940219	-0.0706085586387184	80	-0.625158236851771	0.533691933720675	0.00498556855303733	0.710692208095122
UVM	FBXL19	cg26666512	-0.21664963789308	80	-1.95994768353475	0.0535736218092334	0.0469370655992025	0.151737440936529
UVM	FBXL19	cg27602786	-0.131005487699423	80	-1.16706734247057	0.246738721276046	0.0171624378073637	0.439952869877718
UVM	FBXW9	cg02753619	0.0622088794608502	80	0.55048014354314	0.583563228408671	0.00386994468377459	0.748519666790176
UVM	FBXW9	cg03160342	0.0821350615021326	80	0.727856497845745	0.468880773643554	0.00674616832795911	0.657817522294229
UVM	FBXW9	cg05868316	0.0168694871463336	80	0.149008480309273	0.881931527861959	0.000284579596580314	0.937332385355665
UVM	FBXW9	cg06489804	0.187540338745727	80	1.68623037555392	0.0957477200171344	0.035171378656862	0.23083544474442
UVM	FBXW9	cg12110584	0.112776496147369	80	1.0024100392574	0.319245247719637	0.0127185380832775	0.518610294502
UVM	FBXW9	cg14342428	0.326890291398713	80	3.0548429505268	0.00308094529581873	0.106857262610736	0.0168160428220671
UVM	FBXW9	cg15828427	-0.171732316382412	80	-1.53957115900539	0.127712121834717	0.0294919884900687	0.282604301001534
UVM	FBXW9	cg19721801	0.0571359115447488	80	0.505436383719191	0.614677674514882	0.00326451238804936	0.770801860360925
UVM	FBXW9	cg21564527	0.168691957401829	80	1.51150873093633	0.134699911325701	0.0284569764920603	0.29323890976163
UVM	FBXW9	cg22303873	0.0180460454648546	80	0.159404316027414	0.873762384354122	0.000325659756919599	0.933163160380612
UVM	FKBP1A	cg04613791	0.0521369648652273	80	0.461088312109242	0.646018402979384	0.00271826310535795	0.792437017366417
UVM	FKBP1A	cg07516946	0.0594060707273418	80	0.525588452529793	0.600665215684147	0.00352908123926193	0.760696347323132
UVM	FKBP1A	cg10996143	-0.00853371216546449	80	-0.075370449595402	0.940112945918036	7.28242433229967e-05	0.968164502445694
UVM	FKBP1A	cg21332426	-0.0606374421550897	80	-0.536522666959778	0.593124352905858	0.00367689939111185	0.755258042981629
UVM	FKBP1A	cg21775445	0.0990018167257997	80	0.878677089240781	0.382275197353015	0.00980135971500883	0.580691159155214
UVM	FKBP1A	cg24641773	0.0494641078390858	80	0.437390580919638	0.663036792236462	0.00244669796431671	0.804082500081738
UVM	FKBP1A	cg26779912	0.102180660917265	80	0.90718348945532	0.367103941740565	0.0104408874654891	0.565974039195496
UVM	FKBP2	cg03764062	-0.127317860494937	80	-1.13366671457054	0.260406769445437	0.0162098376010082	0.455544956650288
UVM	FKBP2	cg04446112	-0.0532478404885502	80	-0.470940303936565	0.638997792837074	0.00283533251669409	0.787837683185688
UVM	FKBP2	cg06615912	-0.0236978686028892	80	-0.209352701882728	0.834718728948593	0.000561588976319801	0.911460737743906
UVM	FKBP2	cg09854726	-0.127378066769738	80	-1.13421164419864	0.26017957241377	0.0162251718939957	0.455290841649199
UVM	FKBP2	cg10998122	-0.0394517568623265	80	-0.348699953510935	0.728254067713766	0.00155644111952412	0.846349615974614
UVM	FKBP2	cg12423493	-0.27163158608493	80	-2.49270775837426	0.0147963998730928	0.0737837185590146	0.0577730943448795
UVM	FKBP2	cg15010817	0.0140159399009085	80	0.123797589924932	0.901794003994189	0.000196446571305879	0.948110452198022
UVM	FKBP2	cg16977872	-0.247235190162435	80	-2.25348024499461	0.0270371180731307	0.0611252392546552	0.0913536120301047
UVM	FKBP2	cg19924313	-0.00698400630906138	80	-0.0616825779542238	0.950973397835048	4.87763441250092e-05	0.974102246315845
UVM	FKBP2	cg21809711	-0.0590582968806203	80	-0.522500761773221	0.602802635216089	0.00348788243043948	0.762056893139801
UVM	FKBP2	cg22074794	-0.0990954075708558	80	-0.879515975883432	0.381823213721585	0.00981989980163403	0.580283564277897
UVM	FKBP2	cg24677501	0.056044020597026	80	0.495746553375503	0.621467184331749	0.00314093224467988	0.775714691342223
UVM	FKBP5	cg00130530	-0.288614201025875	80	-2.66226293316952	0.00942290223245382	0.0832981570338039	0.0406693440662787
UVM	FKBP5	cg00140191	0.204447392984552	80	1.84459279845579	0.0688931863964893	0.0417987364981799	0.182183579527109
UVM	FKBP5	cg00610228	-0.0774016293527455	80	-0.68564963421438	0.494966933021739	0.0059910122264598	0.679984063918151
UVM	FKBP5	cg01294490	-0.431220673442659	80	-4.22106143477574	6.51560555748074e-05	0.18595126920434	0.000668877037132036
UVM	FKBP5	cg07485685	0.118858010242246	80	1.05721987866396	0.293674608467191	0.0141272265987458	0.491451857317027
UVM	FKBP5	cg07843056	0.278828626912852	80	2.56424340446366	0.0122606273770924	0.0777454031861062	0.0500059524433078
UVM	FKBP5	cg08636224	0.00864866098638003	80	0.0763857625012615	0.939307786617712	7.4799336857332e-05	0.967562809500536
UVM	FKBP5	cg08915438	0.0634272366110458	80	0.561304391824567	0.576199184149414	0.00402301434411359	0.742871052895584
UVM	FKBP5	cg10913456	0.177709988074793	80	1.59487794505829	0.114783744736017	0.031580839861543	0.262585621301938
UVM	FKBP5	cg16012111	-0.173969820466486	80	-1.56025216164098	0.122748731618852	0.0302654984331413	0.274950137244344
UVM	FKBP5	cg17030679	-0.061798609927054	80	-0.546835745124083	0.586052637866165	0.00381906818891618	0.750314811812459
UVM	FKBP5	cg20813374	-0.565992498940112	80	-6.06337627884729	4.46709197396435e-08	0.320347508856473	1.05594941665932e-06
UVM	FKBP5	cg25114611	0.28269744579637	80	2.60289040416454	0.0110604573769611	0.0799178458597915	0.046130629041064
UVM	FMR1	cg02921434	-0.0354534767420673	80	-0.313313599991258	0.754878703195177	0.00125694901310031	0.863133792441841
UVM	FMR1	cg03513471	-0.00760530243474404	80	-0.0671701550297295	0.946618125092563	5.78406251239236e-05	0.97151992643075
UVM	FMR1	cg04552106	-0.0215437530609596	80	-0.190313445726876	0.849557960823714	0.000464133295951605	0.919783688966055
UVM	FMR1	cg04744025	-0.125546554814386	80	-1.11764022172152	0.26715132622156	0.0157619374257616	0.462842890568378
UVM	FMR1	cg05288927	-0.0152993539641674	80	-0.135136052209961	0.892852430303147	0.000234070231720884	0.943217843060877

UVM	FMR1	cg07147350	-0.0126761483393711	80	-0.111961706469467	0.911141396386538	0.00016068473672174	0.952780078345478
UVM	FMR1	cg08434396	-0.12214269231287	80	-1.08687295655338	0.280440292756647	0.0149188372854363	0.477644759698999
UVM	FMR1	cg14470409	-0.0462707404729499	80	-0.409090276956679	0.683594545985496	0.00214098142391508	0.817755236712911
UVM	FMR1	cg16783314	-0.0259075105371762	80	-0.228885764559745	0.819556764496196	0.000671199102233896	0.902837788343157
UVM	FMR1	cg22625568	-0.160526497797445	80	-1.43635901842908	0.154899021772305	0.0257687564951131	0.322638209851795
UVM	FXR2	cg01807919	0.018461205890555	80	0.163072747008251	0.870882921671735	0.000340816122933462	0.931463949181934
UVM	FXR2	cg01933235	-0.106911560123225	80	-0.949660278159092	0.345218142350895	0.0114300816879819	0.544424175759604
UVM	FXR2	cg05529097	-0.173088099865312	80	-1.55209956112298	0.124686683609687	0.0299594903149843	0.277917755822604
UVM	FXR2	cg05913233	-0.23746513084645	80	-2.15899088862188	0.0339248133835269	0.0563896883679217	0.108215445057704
UVM	FXR2	cg09625173	-0.243972632557647	80	-2.22184747561366	0.029192026948638	0.0595226454371085	0.0967685590779931
UVM	FXR2	cg17777561	-0.502067986686766	80	-5.12719709019182	2.08642511962963e-06	0.252072263255702	3.27835499407125e-05
UVM	FXR2	cg19178740	-0.16601854506634	80	-1.48686993262144	0.141080471372261	0.0275621573059443	0.303015300660786
UVM	FXR2	cg22521096	0.0498087857048015	80	0.440445978219194	0.660832351929541	0.00248091513338684	0.802635315940776
UVM	FXR2	cg26904212	0.0596682425052468	80	0.527916256982365	0.599056130771154	0.00356029916366494	0.759364726616988
UVM	G2E3	cg02259031	0.0219246279473074	80	0.193679626572268	0.846930235057753	0.000480689310627855	0.918234648113429
UVM	G2E3	cg05076167	-0.140456346453442	80	-1.25289699188499	0.213986292231913	0.0197279852590492	0.400588353496232
UVM	G2E3	cg07906495	-0.0177280039587894	80	-0.156594100898406	0.87596936298497	0.000314282124362853	0.934378530721542
UVM	G2E3	cg08810065	0.147151606562325	80	1.31391110314769	0.192727381225331	0.0216535953138734	0.373518532512293
UVM	G2E3	cg09837748	-0.0866413919755565	80	-0.768084387111782	0.444756211974284	0.00750673080346202	0.636719553045839
UVM	G2E3	cg18580322	0.115869606579675	80	1.03027212369281	0.306066446031334	0.0134257657289286	0.50454817873242
UVM	G2E3	cg18755078	-0.198181275372022	80	-1.78570847219043	0.0780332759346539	0.0392758179080813	0.199321009589587
UVM	G2E3	cg18956956	0.129593520531104	80	1.15427272997271	0.251912698190371	0.0167944805636456	0.445707121904563
UVM	G2E3	cg19554565	0.145148954419672	80	1.29564194395889	0.19892006084387	0.021068218969124	0.381622372707473
UVM	G2E3	cg21061067	-0.150819187843137	80	-1.34741154985643	0.181748809198387	0.0227464274216636	0.359210755441994
UVM	G2E3	cg22926526	-0.183606226334031	80	-1.6496098588551	0.103044548541448	0.0337112463486236	0.243329517035982
UVM	GADD45	cg01810953	0.123957946453294	80	1.10327598726495	0.273299584016944	0.0153655724889176	0.469660647220265
UVM	GADD45	cg02639608	-0.0670957698196093	80	-0.593912151588009	0.554289458756235	0.00450184232768599	0.726030343387705
UVM	GADD45	cg04718306	-0.017003312715355	80	-0.150190904451561	0.881001705418411	0.000289112643296152	0.936887651408261
UVM	GADD45	cg07000785	0.153275025265178	80	1.36987540774885	0.174656362952693	0.0234932333700409	0.35005067884946
UVM	GADD45	cg22224769	-0.101821384574254	80	-0.90396027523172	0.368799926396092	0.0103675943566182	0.567542757439026
UVM	GADD45	cg23369529	-0.218975447504963	80	-1.98204222088075	0.0509969470901924	0.0479502466099989	0.146382425722619
UVM	GADD45	cg23723105	-0.0532795141999208	80	-0.471221233235632	0.638798079083101	0.00283870663337956	0.787653866800716
UVM	GATAD2A	cg02887458	-0.19165795969034	80	-1.72464919350649	0.0885514971401008	0.0367327735126642	0.218393151206829
UVM	GATAD2A	cg08505228	-0.0473706186039321	80	-0.418836168575319	0.676486978504033	0.0022439755069192	0.813092948608596
UVM	GATAD2A	cg08870822	-0.0488081111589341	80	-0.431575929542113	0.667240222159999	0.00238223171490287	0.807028807082122
UVM	GATAD2A	cg09334331	0.0387654762011811	80	0.342624954375085	0.73280222977062	0.00150276214510434	0.849172958771144
UVM	GATAD2A	cg11795262	-0.133417896361986	80	-1.18894427291648	0.238068638922973	0.0178003350696577	0.429675699983152
UVM	GATAD2A	cg14948912	0.159657195660351	80	1.42837664871564	0.157175616422595	0.0254904201261276	0.325853317982607
UVM	GATAD2A	cg15264323	-0.0939386407989928	80	-0.83332860005492	0.407204000697719	0.00882446823516219	0.603379517157356
UVM	GATAD2A	cg22191731	0.0384917954669314	80	0.340202451391959	0.73461856323531	0.00148161831826808	0.850403690643054
UVM	GATAD2A	cg26631329	0.0614654059074081	80	0.543876119659481	0.58807798164699	0.00377799612336244	0.751736783906213
UVM	GATAD2E	cg02134200	0.158482112248413	80	1.41759185746759	0.160292418438059	0.0251165799027186	0.330124385142041
UVM	GATAD2E	cg02940454	-0.0138477145991019	80	-0.122311431617793	0.902966963983531	0.00019175919961818	0.948698233430593
UVM	GATAD2E	cg09805553	0.0485415801895026	80	0.429213601324168	0.668951011790165	0.00235628500729391	0.808005077340684
UVM	GATAD2E	cg10226922	-0.10946610418332	80	-0.972623407131229	0.333747139529575	0.0119828279650735	0.53334000888568
UVM	GATAD2E	cg10489353	-0.184496218469004	80	-1.65788705872853	0.101357016257888	0.0340388546293626	0.240578725332301
UVM	GATAD2E	cg15064304	-0.247765915888964	80	-2.25863368311101	0.0266996361117726	0.0613879490762972	0.0904884330260188
UVM	GATAD2E	cg20773694	-0.0215592747460018	80	-0.19045062509941	0.849450841624473	0.000464802327573593	0.919725328107199
UVM	GATAD2E	cg23046518	0.0541555861136951	80	0.478992102500534	0.633284363998483	0.00293282750731784	0.784011646024666
UVM	GATAD2E	cg23323627	0.00747045318687101	80	0.0659790972050975	0.947563286986146	5.58076708172312e-05	0.972096010866623
UVM	GATAD2E	cg26398333	0.156402453842948	80	1.39852008433819	0.165920429933244	0.0244617275680955	0.33813701034165
UVM	GLYR1	cg00636946	0.0406551433472307	80	0.359353603972188	0.720301601655795	0.00165284068058387	0.841392237679401
UVM	GLYR1	cg00885266	-0.0967447253638213	80	-0.858453087728498	0.393272686269742	0.00935954188572122	0.590086660406387
UVM	GLYR1	cg01261535	-0.112425948568475	80	-0.999254259092736	0.320761460081104	0.0126395939115213	0.520196731754871
UVM	GLYR1	cg01565912	0.121232160343158	80	1.07864937276172	0.284068456871595	0.0146972367014692	0.481341866053792
UVM	GLYR1	cg02454264	0.00527432904003511	80	0.0465822607418255	0.962965231010746	2.78185468225577e-05	0.980550489719862
UVM	GLYR1	cg06399529	-0.00605781663551275	80	-0.0535021695942856	0.957468596238471	3.6697142389495e-05	0.977600167678701

UVM	GLYR1	cg06976003	-0.20199105391729	80	-1.82148223053573	0.0723675865954032	0.0408003858626174	0.18885529757814
UVM	GLYR1	cg11289281	0.096019940237092	80	0.851961715833438	0.396843610893126	0.00921982892313473	0.593453641141459
UVM	GLYR1	cg15663121	0.043930734572715	80	0.388360673876977	0.69880713166364	0.00192990944009834	0.827258109185456
UVM	GLYR1	cg18354686	-0.125618101646114	80	-1.11828735453321	0.266876637304871	0.0157799074611734	0.462594152280383
UVM	GTF2B	cg02705666	-0.323620377355485	80	-3.02069016430674	0.00340899682504141	0.104730148639707	0.0182518581560407
UVM	GTF2B	cg04270788	0.0851200158806684	80	0.75449792030387	0.452822250353151	0.00724541710352525	0.643260123513559
UVM	GTF2B	cg05306856	-0.433301363163249	80	-4.2461224646625	5.95143085442475e-05	0.18775007131913	0.000617561173654954
UVM	GTF2B	cg06356032	-0.121442363913291	80	-1.08054760653817	0.283228112813327	0.0147482477528481	0.480548429948317
UVM	GTF2B	cg07167781	-0.0530187434288385	80	-0.468908374901752	0.640443093066315	0.002810987154773	0.788769571471558
UVM	GTF2B	cg10430205	-0.152670658736827	80	-1.36434479680763	0.176382677476362	0.0233083300391366	0.352321522405282
UVM	GTF2B	cg12074130	-0.312730187721555	80	-2.90780806324442	0.00473793500988551	0.0978001703123591	0.0237626791411923
UVM	GTF2B	cg13868361	0.0117594996953338	80	0.103864270943752	0.917543659045549	0.000138285833084555	0.956557391670795
UVM	GTF2B	cg14010405	-0.00437444116801455	80	-0.0386343879702081	0.96928059821239	1.91357355324205e-05	0.983862617363221
UVM	GTF2B	cg17811845	0.129289943602997	80	1.15152278783186	0.253034737001389	0.0167158895168661	0.447061941138881
UVM	GTF2B	cg22607980	-0.212196534583746	80	-1.9177417624803	0.0588043621999629	0.0450273692893509	0.162238059119194
UVM	GTF2H1	cg05849260	0.0675501956789694	80	0.597952972894809	0.551603561093548	0.00456302893626705	0.723975020780664
UVM	GTF2H1	cg07583091	-0.0465143568986785	80	-0.411248803831411	0.68201786310018	0.00216358539769764	0.816654757294874
UVM	GTF2H1	cg08690812	-0.0506688550871127	80	-0.448070754529437	0.655344247210167	0.00256733287583883	0.799076039050607
UVM	GTF2H1	cg10797557	0.0560156299599408	80	0.495494628673006	0.62164414629493	0.00313775079980902	0.775835989233116
UVM	GTF2H1	cg11063328	-0.13200635634871	80	-1.17614113632237	0.243115680137483	0.0174256781164626	0.435691704960154
UVM	GTF2H1	cg11176342	0.0810594901517881	80	0.71826164164732	0.47474197004991	0.00657064094366782	0.662607914505028
UVM	GTF2H1	cg11347316	0.0650848075534945	80	0.576034802108684	0.566250058905955	0.00423603217427541	0.735320698458108
UVM	GTF2H1	cg11662851	0.406790395897023	80	3.93277597413826	0.000180766131586016	0.165478426194056	0.00159366732101117
UVM	GTF2H1	cg13777411	0.0327770690913165	80	0.289634860539246	0.77286410843049	0.00107433625821693	0.874054002219223
UVM	GTF2H1	cg14132868	0.0402027897575726	80	0.355348710145031	0.723287511352543	0.00161626430429158	0.843235653071571
UVM	GTF2H1	cg17174493	0.0436599072427007	80	0.38596189355095	0.700575626603394	0.00190618750044123	0.828502938432769
UVM	GTF2H1	cg18321761	0.0057211291943497	80	0.0505284718684024	0.959830432331811	3.27313192584404e-05	0.979020777050611
UVM	H2AFZ	cg02758870	-0.120240142515557	80	-1.06969298394666	0.288056627930139	0.0144576918721615	0.485570472658662
UVM	H2AFZ	cg09308803	0.0422725995340426	80	0.373675513537361	0.70965950398655	0.00178697267136553	0.834626768746095
UVM	H2AFZ	cg16267491	-0.135993531087094	80	-1.21232518006173	0.229047277723191	0.0184942404975364	0.41902504759016
UVM	H2AFZ	cg17709884	-0.165213862757134	80	-1.47946042004114	0.14304489662706	0.027295620447133	0.305807653087623
UVM	H2AFZ	cg20934652	0.0228294686759632	80	0.201676970370592	0.84069431214981	0.000521184640026785	0.91465286240687
UVM	H2AFZ	cg23752380	0.0262886533109335	80	0.232255368474387	0.816947977529366	0.000691093292902457	0.901546953838901
UVM	H2AFZ	cg24061702	-0.175788376158141	80	-1.57707921112641	0.118824655582992	0.0309015531923162	0.26894315720879
UVM	H3F3A	cg06319713	0.0452547226447033	80	0.40008878734689	0.690184735159996	0.00204798992164902	0.821973308022809
UVM	H3F3A	cg10632229	0.0391792032952032	80	0.346287233685731	0.730059238845727	0.00153500997084687	0.847384158076549
UVM	H3F3A	cg10983539	0.139180820330902	80	1.24129324961949	0.218217514716722	0.0193713007479829	0.405843155224191
UVM	H3F3A	cg11978873	0.0389882938342742	80	0.344597296282078	0.731324541127147	0.0015200870561077	0.848173155783919
UVM	H3F3A	cg15538837	0.0071215399007365	80	0.0628973323844902	0.950009161984602	5.0716330557782e-05	0.973536011110337
UVM	H3F3A	cg15624314	0.361527144312579	80	3.42455259733418	0.000984547969453148	0.130701876074809	0.0066301873905504
UVM	H3F3A	cg16724613	-0.19473953917847	80	-1.75346310958835	0.0834510347802295	0.037923488119443	0.209122207179912
UVM	H3F3A	cg16727519	0.0492354160185855	80	0.43536342855884	0.664501008173844	0.00242412619052318	0.805175399685767
UVM	H3F3A	cg18947521	0.15285374453908	80	1.36602006520002	0.175858398956379	0.0233642672196185	0.351671320831403
UVM	H3F3A	cg19410789	0.103833380475954	80	0.922015350395804	0.359363745028987	0.0107813709010643	0.558319900821365
UVM	H3F3A	cg21266749	-0.117754858793592	80	-1.04726892348565	0.298209986279104	0.0138662067694988	0.496397157742904
UVM	H3F3A	cg21789564	-0.260631231313079	80	-2.38423563718244	0.0195445192115332	0.0679286387357718	0.0715403156044801
UVM	H3F3A	cg22519151	-0.138105052127901	80	-1.23151164934577	0.221831649533751	0.0190730054232503	0.410296129370839
UVM	H3F3A	cg27530209	0.0973342801579448	80	0.86373431637811	0.390382151998798	0.00947396209386529	0.587768084007713
UVM	H3F3A	cg27560444	-0.0829523302906449	80	-0.735148822848399	0.464453552467632	0.00688108910064824	0.653671635652048
UVM	HAT1	cg00414306	-0.150943383143233	80	-1.34854696335272	0.181385178650203	0.0227839049147248	0.358665089151337
UVM	HAT1	cg01583365	-0.119044870459184	80	-1.05890583966439	0.292910889598297	0.0141716811826439	0.490577424515268
UVM	HAT1	cg04507121	0.0803699015265223	80	0.712111355028747	0.478520452572774	0.00645932107138289	0.666058688270646
UVM	HAT1	cg04950839	-0.224252961152429	80	-2.03230947973624	0.0455262893862341	0.050289390585633	0.134741189138775
UVM	HAT1	cg05421799	0.000803576882302832	80	0.00709700115360214	0.994355580111012	6.4573580577154e-07	0.997058888261977
UVM	HAT1	cg09545452	-0.11520113297246	80	-1.024248111111175	0.308884210351352	0.0132713010381384	0.507512512987488
UVM	HAT1	cg10190161	-0.0511429133173637	80	-0.45227385089898	0.652327042015983	0.00261559758258738	0.79690511592576
UVM	HAT1	cg12941622	-0.106187696158	80	-0.943156850802636	0.348512895169371	0.0112758268153437	0.547743588969374

UVM	HAT1	cg13293756	-0.0613574357575472	80	-0.542917133203451	0.588734946217917	0.00376473492274154	0.752213878267555
UVM	HAT1	cg14446129	-0.171409930188519	80	-1.53659341120999	0.128439700196023	0.029381364167233	0.283705898436906
UVM	HAT1	cg16017358	0.00508937191987905	80	0.0449486978839361	0.964263077410161	2.59017065388534e-05	0.98127911366402
UVM	HDAC1	cg03762702	-0.742052958267698	80	-9.77656404595229	3.39488335652276e-15	0.550642592873841	2.70595856390709e-13
UVM	HDAC1	cg04967775	-0.197492837638946	80	-1.77925309698886	0.0790938826703912	0.0390034209186831	0.201368945819492
UVM	HDAC1	cg06473843	-0.548040996544712	80	-5.78654851436287	1.42630167535354e-07	0.300348933893721	2.99238706937576e-06
UVM	HDAC1	cg10842753	-0.54397710431952	80	-5.72550990468259	1.83780412938635e-07	0.29591109002385	3.76138212158595e-06
UVM	HDAC1	cg14172124	-0.659474855192411	80	-7.74792862465996	2.8918944781989e-11	0.434907084631051	1.26105403047649e-09
UVM	HDAC1	cg20002354	0.00255957068870327	80	0.0226055902923667	0.98202261492704	6.55140211046895e-06	0.990643844758107
UVM	HDAC1	cg20793809	-0.018454979207011	80	-0.163017726312171	0.870926096300428	0.000340586257531207	0.931463949181934
UVM	HDAC1	cg21930229	0.267554370757158	80	2.45238333860165	0.0164249328289585	0.0715853413112586	0.062564815379523
UVM	HDAC1	cg23018091	-0.590497607812449	80	-6.46205592482907	8.15551823304988e-09	0.348687424832224	2.27124990025485e-07
UVM	HDAC1	cg26115470	-0.491617053227391	80	-4.98597485126382	3.64173234298574e-06	0.241687327023983	5.37886701899056e-05
UVM	HDAC10	cg00711351	-0.117685313159493	80	-1.04664172066704	0.298497437604104	0.0138498329334479	0.496659387466018
UVM	HDAC10	cg01120165	-0.18362554301974	80	-1.6497894653009	0.103007690638776	0.0337183400492942	0.243301563199932
UVM	HDAC10	cg04321608	-0.0651601274726203	80	-0.576704263821116	0.565799898316709	0.00424584221224813	0.735014358736497
UVM	HDAC10	cg04586023	-0.0889017717486982	80	-0.788280465374126	0.432921887783008	0.00790352502005763	0.62661591043577
UVM	HDAC10	cg07482373	-0.0479142527275869	80	-0.423653808654094	0.672984300167306	0.00229577561444307	0.810812151885015
UVM	HDAC10	cg07744063	-0.0857315375979607	80	-0.75995839722246	0.449570386009382	0.00734989653891054	0.640778962045754
UVM	HDAC10	cg09151829	-0.112216897117959	80	-0.997372467914155	0.321667856445655	0.0125926319987827	0.521156056821337
UVM	HDAC10	cg10508940	-0.0999650132373903	80	-0.887311677999467	0.377638965602543	0.00999300387155163	0.576209584977626
UVM	HDAC10	cg11645658	0.0160448677677273	80	0.141722678816664	0.88766447244173	0.000257437781683854	0.940325182320004
UVM	HDAC10	cg12464820	-0.0793671638246238	80	-0.7031699956997	0.484043404701778	0.00629914669356467	0.670769757122985
UVM	HDAC10	cg26943378	-0.119954867761612	80	-1.06711799673144	0.289210328699368	0.0143891702997058	0.48672716662513
UVM	HDAC11	cg01409735	-0.00428007667789855	80	-0.0378009599492906	0.969942959571945	1.83190563686911e-05	0.984132264119037
UVM	HDAC11	cg01712016	-0.133092853963181	80	-1.18599538065963	0.23922436628062	0.0177137077760647	0.431055661802899
UVM	HDAC11	cg02762546	-0.691399328891571	80	-8.451907686358	1.25056677794722e-12	0.478033031991715	6.98396209071257e-11
UVM	HDAC11	cg02941903	-0.209021125487009	80	-1.88772225659567	0.0627825226578325	0.0436898308998558	0.170171895322234
UVM	HDAC11	cg05987698	-0.108612432388847	80	-0.964947494095936	0.337553367176329	0.0117966604694219	0.537022828241513
UVM	HDAC11	cg07450135	-0.335786529372727	80	-3.14838766158621	0.00232655108896692	0.112752593308181	0.0134336610565644
UVM	HDAC11	cg08051076	-0.0327937344119088	80	-0.28978228229321	0.772751735793676	0.00107542901667881	0.874012423988213
UVM	HDAC11	cg08448040	0.350404362834406	80	3.30417727776524	0.00144026464387889	0.122783217493386	0.00909325605399686
UVM	HDAC11	cg10455785	-0.479772564234631	80	-4.82934908303082	6.69895847824237e-06	0.230181713392274	9.18791917941443e-05
UVM	HDAC11	cg11432034	-0.035460452926732	80	-0.313375328356396	0.754831988599326	0.00125744372176898	0.863093064276206
UVM	HDAC11	cg13397067	-0.257336724738974	80	-2.35194572705662	0.0211990367854486	0.0662221898993827	0.0761348907108253
UVM	HDAC11	cg13706066	0.00228594652570858	80	0.0201889858176328	0.98394417030291	5.2255151839911e-06	0.991603766431259
UVM	HDAC11	cg16254764	0.0443795787296249	80	0.392336379587069	0.695879722297848	0.00196954700821898	0.82567616143579
UVM	HDAC11	cg18521047	-0.107897563956345	80	-0.958521314229642	0.340761674753791	0.0116418843077135	0.540023502735773
UVM	HDAC11	cg19779799	-0.125154887356726	80	-1.11409794858598	0.268658428501226	0.0156637458292749	0.464464619834947
UVM	HDAC11	cg20894727	-0.130324187958476	80	-1.1608928131901	0.249226071108831	0.0169843939670362	0.4427003843595
UVM	HDAC11	cg20922324	-0.10981520863905	80	-0.975763056710257	0.332198455954535	0.012059380048438	0.531881260445524
UVM	HDAC11	cg21655280	-0.164413484921194	80	-1.47209355621128	0.14501916051869	0.0270317940239317	0.308686625492927
UVM	HDAC11	cg25127083	-0.0380183116494456	80	-0.336011559053715	0.737764362652988	0.00144539202067437	0.852392999405237
UVM	HDAC11	cg25150878	-0.119175010252474	80	-1.06008010359509	0.29237976658075	0.0142026830686772	0.490096780034105
UVM	HDAC11	cg27025856	-0.130660645848397	80	-1.16394187679415	0.247995560858943	0.0170722043735201	0.44133610883151
UVM	HDAC2	cg00161229	-0.213541912350071	80	-1.93047973685192	0.0571819572295266	0.0456001483301256	0.158979778446581
UVM	HDAC2	cg01129566	0.173578266578821	80	1.55663128401187	0.123606468376148	0.0301294146285084	0.276357285189278
UVM	HDAC2	cg08198132	-0.494441107587224	80	-5.02384917361117	3.13852351077073e-06	0.244472008872081	4.70530541524182e-05
UVM	HDAC2	cg10999867	0.225879988384902	80	2.04784429731497	0.0439409671696519	0.0510217691527633	0.131248579876001
UVM	HDAC2	cg13393754	-0.390009551784389	80	-3.74069358881886	0.000348662412918101	0.15210745048306	0.00277056626665483
UVM	HDAC2	cg15005908	-0.350531494715786	80	-3.30554398176448	0.00143412595850486	0.122872328787683	0.00905852167692198
UVM	HDAC2	cg15242771	-0.399215754676366	80	-3.84550484058336	0.000244208753132743	0.15937321878182	0.00205272563384209
UVM	HDAC2	cg18387216	-0.438639071660034	80	-4.31079726553566	4.70477830265685e-05	0.192404235186777	0.000502959355884137
UVM	HDAC2	cg18674783	0.329143706210888	80	3.0784502364131	0.00287160560900781	0.108335579338239	0.0159015259835068
UVM	HDAC2	cg22867643	-0.461602919228463	80	-4.59568019100231	1.63457628711836e-05	0.213077255040239	0.00020075817442388
UVM	HDAC2	cg24023618	0.254503416143991	80	2.32424638690029	0.0227162241756436	0.0647719888289613	0.0801699380084388
UVM	HDAC3	cg01947930	-0.0175197222144438	80	-0.154753748974632	0.877415201811662	0.000306940666471274	0.935004633903042

UVM	HDAC3	cg01961137	-0.113328401408636	80	-1.00737929674363	0.316867446477994	0.0128433265658369	0.516108750289122
UVM	HDAC3	cg04284814	-0.245181011105977	80	-2.23355411923226	0.0283775797892559	0.060113728206949	0.0947272723452636
UVM	HDAC3	cg08520975	-0.227486878960376	80	-2.06320457516181	0.0424203988677092	0.0517502800991327	0.127807314660462
UVM	HDAC3	cg10414058	-0.0884559016039146	80	-0.784295735817239	0.435242009103568	0.00782444652856142	0.628640702107331
UVM	HDAC3	cg11064797	0.0641099406035162	80	0.567370836128184	0.572091647088438	0.00411008448418637	0.739794504456489
UVM	HDAC3	cg11153694	0.0210482489612864	80	0.18593429316573	0.852978984958855	0.000443028784336296	0.921673851914015
UVM	HDAC3	cg12082871	0.103370055892329	80	0.917856602608361	0.361523424425827	0.0106853684551833	0.56040236878378
UVM	HDAC3	cg14098966	-0.0963971067286317	80	-0.855339549715507	0.394982971231007	0.00929240218565122	0.59160371327798
UVM	HDAC3	cg17940889	0.0829756729063217	80	0.735357126178811	0.464327439327651	0.00688496229425689	0.6535769127715
UVM	HDAC3	cg18671773	-0.226248842563855	80	-2.05136861350069	0.0435879964709646	0.051188538761484	0.130457472713333
UVM	HDAC3	cg19549288	0.214943564996597	80	1.94376276106215	0.0555307104984454	0.0462007361334462	0.155623620898305
UVM	HDAC3	cg20642138	-0.0991030542129489	80	-0.879584516384031	0.381786299566104	0.00982141535433468	0.580272281210349
UVM	HDAC3	cg23421926	-0.215138169316349	80	-1.94560795866664	0.0553045642063896	0.0462844318967899	0.1552359108018
UVM	HDAC3	cg24385322	0.0201158854930844	80	0.177694645894054	0.859423450922763	0.000404648849170883	0.925319273951536
UVM	HDAC6	cg07153944	0.241790036375334	80	2.20073055316286	0.0307131056275724	0.0584624216903854	0.100424316543013
UVM	HDAC6	cg07674520	0.165352649623903	80	1.48073815190941	0.142704623364499	0.0273414987376452	0.305298338146407
UVM	HDAC6	cg10783042	0.167457086004978	80	1.50012363575118	0.137619413089501	0.0280418756532786	0.297702966502493
UVM	HDAC6	cg12510923	0.0744700937279578	80	0.659533420643816	0.511495941215883	0.00554579485985083	0.693621735175803
UVM	HDAC6	cg13178935	0.138239354410465	80	1.23273257153805	0.221378166769756	0.0191101191078222	0.409745152448198
UVM	HDAC6	cg17152375	0.0496169197305362	80	0.438745162694398	0.662059105753114	0.00246183872354647	0.803385266857348
UVM	HDAC6	cg24616736	0.225420826389367	80	2.04345840747693	0.044383659932045	0.050814548970065	0.132238689537326
UVM	HDAC6	cg26680189	0.138092458453868	80	1.23139716566999	0.22187420655455	0.0190695270818332	0.410299563200168
UVM	HDAC9	cg00332048	-0.250540102300886	80	-2.28560691026243	0.0249930656972387	0.0627703428609383	0.086172036863436
UVM	HDAC9	cg02301805	-0.00531232920011931	80	-0.0469178831744082	0.962698595222399	2.82208415304402e-05	0.980407762203268
UVM	HDAC9	cg03260621	0.0295763024899196	80	0.261325153999147	0.794530554697952	0.000874757668975223	0.887496733034281
UVM	HDAC9	cg07513622	0.0138096149749366	80	0.121974848304387	0.903232644606969	0.000190705465755993	0.948758505509675
UVM	HDAC9	cg08146609	0.00506617436853209	80	0.0447438147337995	0.964425861537356	2.56661227323715e-05	0.981329236827858
UVM	HDAC9	cg08285151	-0.361779621568012	80	-3.42730419462418	0.000975928159819583	0.130884494581894	0.00658125479065575
UVM	HDAC9	cg08725366	0.00541434004384881	80	0.0478188574281629	0.961982835872647	2.93150781104247e-05	0.980061194278037
UVM	HDAC9	cg10068437	-0.120926579886148	80	-1.07589010495284	0.285293044160983	0.0146232377229609	0.482513241307927
UVM	HDAC9	cg11321459	-0.053557598726609	80	-0.473687759269053	0.63704576357805	0.00286841638136047	0.786415597635451
UVM	HDAC9	cg11765288	-0.224807707881852	80	-2.03760416965668	0.0449805349885385	0.0505385055230919	0.133537465230437
UVM	HDAC9	cg12081743	0.0570347864742342	80	0.504538887798819	0.615305135724793	0.00325296686816148	0.771116354870311
UVM	HDAC9	cg16475478	0.0303165413796288	80	0.267871571457376	0.789505276388598	0.000919092681222743	0.884143168286734
UVM	HDAC9	cg18856632	-0.124816418496703	80	-1.11103723430345	0.269965430269149	0.015579138326344	0.466041422917588
UVM	HDAC9	cg19585556	0.0518617146075256	80	0.458647474540761	0.647762775154051	0.00268963744203244	0.793600701287194
UVM	HDAC9	cg20648975	-0.0305623470298007	80	-0.270045488892427	0.787838455498032	0.000934057055969966	0.883139340657491
UVM	HDAC9	cg21433125	-0.0850007551841904	80	-0.753433102917856	0.453457952503672	0.00722512838188267	0.643798736304535
UVM	HDAC9	cg23074799	0.060818794743221	80	0.538133230846452	0.592017360949882	0.00369892579401805	0.754482890072237
UVM	HDAC9	cg23385718	-0.120568391995525	80	-1.07265620842389	0.28673290078228	0.0145367371483866	0.484119972286744
UVM	HDAC9	cg24350771	0.0452964084558901	80	0.400458081391741	0.689913891010793	0.00205176461900283	0.821765697533281
UVM	HDAC9	cg25620356	-0.0785875001184797	80	-0.696219261297555	0.488361006778209	0.00617599517487205	0.674373571661913
UVM	HDGF	cg00692559	0.0028177806320662	80	0.0248860635126496	0.980209401190062	7.9398876904474e-06	0.989801346921421
UVM	HDGF	cg00746981	0.0130160202069247	80	0.114964116736701	0.908769002041328	0.000169416782027071	0.951546381192522
UVM	HDGF	cg01910231	-0.00378524609307301	80	-0.0334306278135688	0.973416587094015	1.43280879851245e-05	0.986051916794251
UVM	HDGF	cg02914429	0.245715958561367	80	2.2387401662873	0.0280232029230899	0.0603763322917314	0.0938659654768074
UVM	HDGF	cg04402095	-0.150008566616025	80	-1.34000232062694	0.184135256748186	0.0225025700581946	0.362502320891462
UVM	HDGF	cg05762852	0.0726647935637468	80	0.643459116044432	0.521813608817029	0.00528017222366193	0.701686508406139
UVM	HDGF	cg05967123	0.0960744422889199	80	0.852449803277743	0.396574421006999	0.009230298461127	0.5931730271648
UVM	HDGF	cg06106793	0.213315552659374	80	1.92833577097849	0.0574523431674549	0.0455035250063741	0.15950589270341
UVM	HDGF	cg06119628	-0.183206900818298	80	-1.64589737490072	0.103808802109373	0.0335647685074457	0.244636695383253
UVM	HDGF	cg07313589	-0.00362038369575633	80	-0.0319745725941677	0.97457400642281	1.31071781044982e-05	0.98668658175739
UVM	HDGF	cg07892339	0.154423935582163	80	1.38039353296108	0.171408775609152	0.0238467518806841	0.345562721305546
UVM	HDGF	cg08597205	0.113737247879185	80	1.01106108696766	0.315113357520711	0.0129361615551311	0.514249646278044
UVM	HDGF	cg08708935	-0.0864035061591498	80	-0.765959621743812	0.446012109166885	0.00746556587659423	0.6379300980336986
UVM	HDGF	cg09063372	0.118178327362624	80	1.05108834598856	0.296463587883995	0.0139661170582276	0.494406798916299
UVM	HDGF	cg09477492	0.0915316673137164	80	0.811793572040802	0.419380593868561	0.00837804612122887	0.614744996095311

UVM	HDGF	cg11588596	0.100178950773283	80	0.889229865152753	0.376613833757038	0.0100358221780358	0.575125456926735
UVM	HDGF	cg12220178	-0.045538636119018	80	-0.402604014568117	0.688340843042478	0.00207376737958033	0.820897527956318
UVM	HDGF	cg12421458	0.149214442893598	80	1.33274656255082	0.186495117400296	0.0222649499680468	0.365473490768538
UVM	HDGF	cg13170934	-0.0705830443550258	80	-0.624931205710352	0.533840159968992	0.00498196615042353	0.710830504666366
UVM	HDGF	cg13235992	0.0141443476734593	80	0.124931993995273	0.900898815209894	0.000200062571107694	0.94776033120616
UVM	HDGF	cg14155849	-0.0652161004905007	80	-0.577201771992933	0.565465476521398	0.00425313976318708	0.734804751954459
UVM	HDGF	cg15503799	-0.171776517235669	80	-1.53997946369009	0.127612612517856	0.0295071718736163	0.282493116939913
UVM	HDGF	cg17170583	0.14202164975956	80	1.26714560441566	0.208873542292447	0.0201701490004273	0.394108861244207
UVM	HDGF	cg17218029	-0.216084758271311	80	-1.95458678889858	0.0542152600016754	0.0466926227571711	0.153089725465348
UVM	HDGF	cg17971171	0.224605910352892	80	2.03567790482817	0.045178432043446	0.0504478149654512	0.133981813906215
UVM	HDGF	cg18593717	-0.0754808105348327	80	-0.668535630623896	0.505765439008482	0.00569735275899531	0.688846187930702
UVM	HDGF	cg19599803	-0.0749345760396835	80	-0.66367019664594	0.508858325830392	0.00561519068624711	0.691352007538544
UVM	HDGF	cg20284773	0.138291983783927	80	1.23321103629344	0.221200637128411	0.0191246727788938	0.409521236667483
UVM	HDGF	cg23747104	0.21274181925614	80	1.92290311130144	0.0581423378612919	0.0452590816604121	0.160902316942881
UVM	HDGF	cg26431298	0.0831122595591786	80	0.736576013796486	0.463589877428791	0.00690764768903227	0.652834040958951
UVM	HDGFL1	cg02685945	0.0515222144984641	80	0.45563703266512	0.64991693883749	0.00265453858682575	0.795259629164021
UVM	HDGFL1	cg03930485	0.0890418927131002	80	0.78953282120838	0.432194209044587	0.00792845865793124	0.625981945940582
UVM	HDGFL1	cg05276066	0.000493921433259132	80	0.0043621965173958	0.9965306192711178	2.43958382232755e-07	0.998301522040564
UVM	HDGFL1	cg06566039	0.0405119000391016	80	0.35808538143019	0.721246676533985	0.00164121404477816	0.842052474051549
UVM	HDGFL1	cg08671671	-0.00605440435609197	80	-0.0534720315004089	0.957492531309932	3.66558121070654e-05	0.977603174439112
UVM	HDGFL1	cg09081892	0.0325643859775116	80	0.287753482723534	0.774298619355004	0.00106043923409236	0.874929393396702
UVM	HDGFL1	cg11894257	0.0679102342905968	80	0.601154754273505	0.549480004824854	0.00461179992140375	0.722407475790432
UVM	HDGFL1	cg15317945	0.124444832956101	80	1.10767750541017	0.271405229480353	0.0154865164494719	0.467686309052932
UVM	HDGFL1	cg20209681	0.0147009707822768	80	0.129849490651432	0.897019786378486	0.000216118541941355	0.945463327302297
UVM	HDGFL1	cg21898884	0.0497876370456958	80	0.44025850137684	0.660967528619162	0.00247880880259394	0.802749366493882
UVM	HIST1H1	cg00667898	0.0968955692205266	80	0.859804259114669	0.392531904732861	0.00938875133456986	0.589430520910073
UVM	HIST1H1	cg00700007	0.104645399630468	80	0.929305405638476	0.355597930019302	0.0109506596638204	0.554398680666992
UVM	HIST1H1	cg03821311	0.0888519566050464	80	0.787835245111878	0.433180756114441	0.00789467019254505	0.626815664245505
UVM	HIST1H1	cg04676561	0.0817661313815041	80	0.724565093806858	0.470886777769886	0.00668570024109738	0.659302508725937
UVM	HIST1H1	cg07138603	0.0691982327066952	80	0.612610714820043	0.541915740765735	0.00478839540972995	0.716701540751376
UVM	HIST1H1	cg11206041	0.0579985829814368	80	0.513093323233059	0.609336240374243	0.00336383562785462	0.766864553683239
UVM	HIST1H1	cg14334286	0.0468227500468082	80	0.413981380678353	0.68002389752464	0.00219236992194588	0.815353704941768
UVM	HIST1H1	cg18798248	0.0249904183760665	80	0.220778350173128	0.825841913244755	0.000624521010610844	0.906322063580431
UVM	HIST1H1	cg23460835	0.0749703284339015	80	0.66398863286985	0.508655591929091	0.00562055014548707	0.69114770204171
UVM	HIST1H1	cg00903962	-0.091653174191859	80	-0.812880338619144	0.418760918560729	0.00840030433944325	0.614210051066449
UVM	HIST1H1	cg04290376	-0.195315974670026	80	-1.75885895736772	0.0825233825615502	0.0381483299613023	0.207537274699381
UVM	HIST1H1	cg07750111	-0.0448785337410986	80	-0.396756229364173	0.692630694129448	0.00201408279075093	0.823543347706444
UVM	HIST1H1	cg08283682	0.156926403344165	80	1.40332322219511	0.164488962247694	0.0246258960665356	0.336114415146976
UVM	HIST1H1	cg10717387	-0.332711170928897	80	-3.11594467396394	0.0025661394820981	0.110696723260878	0.0145344197211751
UVM	HIST1H1	cg12633985	-0.0320083106289052	80	-0.282834668916225	0.77805281279539	0.00102453194931649	0.877257869682499
UVM	HIST1H1	cg15022984	0.134856915530083	80	1.20200423831026	0.232998500168392	0.0181863876662878	0.423749510744591
UVM	HIST1H1	cg16481032	-0.0218231843691313	80	-0.192783057755287	0.847629951119269	0.000476251376009095	0.918711832828143
UVM	HIST1H1	cg16482183	-0.0911759619826647	80	-0.808612327056344	0.421197699278742	0.00831305604346432	0.616320019142114
UVM	HIST1H1	cg17691542	-0.0684571276886697	80	-0.606018665306021	0.546261935660241	0.00468637833138282	0.71989126090957
UVM	HIST1H1	cg20855557	-0.164096333534162	80	-1.46917524868805	0.145807103614376	0.0269276066793549	0.309797285698824
UVM	HIST1H1	cg23407813	-0.117681229975309	80	-1.04660489663197	0.298514320169614	0.0138488718885015	0.496676854805264
UVM	HIST1H3	cg00958605	-0.113259363364796	80	-1.00675763879942	0.317164261549312	0.0128276833897988	0.516381867847633
UVM	HIST1H3	cg01043409	-0.0279679973990674	80	-0.247103327052997	0.805477499365631	0.000782208878514242	0.894330790509238
UVM	HIST1H3	cg08041469	-0.0278659564921249	80	-0.246201071599186	0.806173328848955	0.000776511531220996	0.894886674816295
UVM	HIST1H3	cg08401836	-0.108916221460503	80	-0.967678808809736	0.336195753527738	0.0118627432972334	0.535723319335044
UVM	HIST1H3	cg10075390	-0.12053100064473	80	-1.07231864543939	0.286883484755883	0.0145277221164199	0.484264501434257
UVM	HIST1H3	cg15479139	0.0490921440593926	80	0.434093483322842	0.665418957771951	0.00241003860834816	0.805834453820436
UVM	HIST1H3	cg15797414	-0.204824112327808	80	-1.84814038101519	0.068372420277483	0.0419529169908743	0.181262406729366
UVM	HIST1H3	cg21209604	-0.0101821791092092	80	-0.0899312330014372	0.928572390937634	0.000103676771412017	0.962243450301366
UVM	HIST1H3	cg23099349	-0.148099871000167	80	-1.32256737545812	0.189844088198213	0.0219335717902661	0.369902594732551
UVM	HIST1H3	cg25701114	0.140661132407005	80	1.25476056606286	0.213312412855512	0.019785554170021	0.399711577360095
UVM	HLTF	cg00906762	-0.0189090624118617	80	-0.167030181138953	0.8677785677378	0.000357552641295683	0.929772141785151

UVM	HLTF	cg02059813	-0.0326987553450758	80	-0.288942098835087	0.773392232910632	0.00106920860111712	0.874321222651288
UVM	HLTF	cg02398045	0.017380409650387	80	0.153522811523475	0.878382498330756	0.000302078639615264	0.935408422792357
UVM	HLTF	cg02611507	-0.153534546806783	80	-1.37225079477797	0.173918872967322	0.0235728570631641	0.349031183665768
UVM	HLTF	cg02710346	0.0332073875723048	80	0.293441544145791	0.769964015588297	0.00110273058937726	0.872478082084729
UVM	HLTF	cg03678609	0.0747997142805268	80	0.662469045158483	0.509623432814419	0.00559499725644844	0.692092455117765
UVM	HLTF	cg04120413	-0.230454110587956	80	-2.0916151953111	0.0397272542570817	0.053109097086886	0.121890830908121
UVM	HLTF	cg04731810	-0.0945501543990412	80	-0.838802103576442	0.404143693072114	0.00893973169688253	0.600631237478196
UVM	HLTF	cg04836786	0.0564404157821333	80	0.499264097699945	0.61899865541248	0.00318552053366008	0.773905911555821
UVM	HLTF	cg05555455	0.115919206586907	80	1.03071915525073	0.305858039056707	0.0134372624557381	0.504370645927118
UVM	HLTF	cg07275648	0.202765037918785	80	1.82876039928243	0.0712579558530175	0.0411136606022062	0.186773632669462
UVM	HLTF	cg09352720	0.0678094793765909	80	0.600258728854469	0.550073872388561	0.0045981254933243	0.722766859823997
UVM	HLTF	cg09392355	0.072872462897868	80	0.645307866958016	0.520621415537634	0.00531039584880115	0.700892171149357
UVM	HLTF	cg15438497	0.151737039548113	80	1.35580424401779	0.17907393396866	0.0230241291708256	0.355815223211023
UVM	HLTF	cg16724124	0.244145930042139	80	2.22352568575078	0.0290740267287806	0.0596072351561411	0.0964992862760782
UVM	HLTF	cg20117402	-0.16305789220973	80	-1.45962317388337	0.148409538918809	0.02658787621188	0.313451841301275
UVM	HLTF	cg21089667	-0.368170474883719	80	-3.49724609374535	0.000779313833998543	0.135549498576103	0.00544609597575302
UVM	HLTF	cg21111416	-0.077519190452202	80	-0.686697320936719	0.49430997176876	0.00600922488836477	0.679465499492516
UVM	HLTF	cg21835021	-0.0680375268920043	80	-0.602286808921849	0.548730162872573	0.00462910506558021	0.721886293061104
UVM	HLTF	cg21926402	-0.0735823607817313	80	-0.651628285032813	0.516556434888944	0.00541436381821287	0.697656098884558
UVM	HLTF	cg24041269	-0.0825691567802299	80	-0.731729657649203	0.466526393272511	0.00681766565139819	0.655817749155072
UVM	HLTF	cg24710191	0.220277618620184	79	1.98160190990962	0.0510932348872842	0.0485222292649792	0.14658309171048
UVM	HLTF	cg25951608	-0.0110009429497783	80	-0.0971635770187273	0.922845726699822	0.000121020745784277	0.959437909616662
UVM	HLTF	cg26151310	-0.29115666580756	80	-2.68787729064931	0.0087870886087154	0.0847722040441749	0.038596509018486
UVM	HLTF	cg27554556	-0.114062464576005	80	-1.01399013645705	0.313722545138245	0.0130102458251524	0.512800867280581
UVM	IDH1	cg00707300	0.117969945546381	80	1.04920879936878	0.297322121111552	0.0139169080522162	0.495360698386313
UVM	IDH1	cg01046174	0.101849765446412	80	0.90421487856159	0.368665779238621	0.0103733747214891	0.56750471199496
UVM	IDH1	cg02241586	0.181259224084813	80	1.62780208879251	0.107599867519978	0.0328549063158285	0.251086090030105
UVM	IDH1	cg03448938	0.0776238602081056	80	0.6876301462057	0.493725435691478	0.00602546367360752	0.679022864368314
UVM	IDH1	cg05268564	0.0758186264538883	80	0.671544935926262	0.503857526789839	0.00574846411735425	0.687151096223535
UVM	IDH1	cg07129696	0.0232038909708417	80	0.204986408100859	0.838116734391792	0.00053842055618671	0.91337035200844
UVM	IDH1	cg07915542	0.166323860961509	80	1.4896820789687	0.140340466304538	0.0276636267251433	0.301875967364244
UVM	IDH1	cg09406631	0.00224084561600438	80	0.01979066230728	0.984260905396602	5.02138907476607e-06	0.991782716885436
UVM	IDH1	cg09615745	0.15615189276619	80	1.39622357463158	0.166608219612009	0.0243834136144638	0.339084813508421
UVM	IDH1	cg10356455	0.20021569356064	80	1.80480101959484	0.0749652838328886	0.040086323947968	0.193805330530609
UVM	IDH1	cg14772913	0.180392933950368	80	1.61976002269434	0.109320224012171	0.0325416106192217	0.253788645383553
UVM	IDH1	cg15399923	-0.213169021135471	80	-1.92694807111152	0.0576279297840494	0.0454410315718551	0.159865462668771
UVM	IDH1	cg16085695	-0.0557766401622635	80	-0.493373997200809	0.623134645714054	0.00311103358779063	0.776728478832505
UVM	IDH1	cg16863783	0.0884136792208319	80	0.783918420176582	0.435462080767672	0.00781697867336416	0.628701763287869
UVM	IDH1	cg24324379	0.0444712303628173	80	0.39314822712267	0.695282504864942	0.00197769032998276	0.82531142001893
UVM	IDH1	cg24830471	0.139106834044878	80	1.24062037400392	0.218464741038342	0.0193507112779893	0.406186421556292
UVM	IDH1	cg24987806	0.0493989143866455	80	0.436812691143509	0.663454069708661	0.00244025274257913	0.804387910649517
UVM	IDH1	cg25795625	0.113537990306103	80	1.00926664537411	0.315967456476156	0.0128908752427487	0.515192980845215
UVM	IDH1	cg26105702	-0.0822734945537523	80	-0.729091603704711	0.468129262063391	0.0067689279060863	0.657156609216656
UVM	ING2	cg02075087	-0.188663059343468	80	-1.69669650740029	0.0937415409985164	0.035593749960837	0.227394120375385
UVM	ING2	cg02552216	-0.0635601467908611	80	-0.562485357050977	0.575398451714752	0.00403989226007581	0.742306178115111
UVM	ING2	cg10348863	0.0642354717671737	80	0.568486381199617	0.571337867694908	0.00412619583315138	0.739232371706464
UVM	ING2	cg17985608	-0.107782348346032	80	-0.957485745480213	0.341280545178245	0.0116170346149853	0.540504453004812
UVM	ING3	cg01382559	-0.121879420636044	80	-1.08449490004746	0.281486155164391	0.0148545931745776	0.478633015424867
UVM	ING3	cg01416111	-0.131741381563563	80	-1.17373854136977	0.244071272761576	0.0173557916162763	0.436770348574117
UVM	ING3	cg10268125	-0.06852775432391	80	-0.606646838010734	0.545847018142429	0.00469605311267816	0.7195967797385
UVM	ING3	cg14303833	-0.14661841265155	80	-1.30904544799462	0.194362404523194	0.0214969589284603	0.375697802004235
UVM	ING3	cg16130600	-0.0276409071607264	80	-0.24421119108419	0.807708499160935	0.000764019748667896	0.89588372925915
UVM	ING3	cg18485114	-0.0945053674235553	80	-0.83840119425413	0.404367369472067	0.00893126447186119	0.600797674647725
UVM	ING3	cg19478983	0.0298435137016325	80	0.26368822760434	0.792715554947433	0.000890635310059526	0.886385722645
UVM	ING3	cg19960827	-0.0802005552917025	80	-0.710601151610478	0.47945081408317	0.00643212906909742	0.666786860418476
UVM	ING3	cg20553930	-0.110602268939113	80	-0.982842778274785	0.328723663175552	0.0122328618944799	0.528394914004564
UVM	ING3	cg24859794	-0.0413366443088502	80	-0.365387663288223	0.715811029242823	0.0017087181627164	0.838437823772456

UVM	ING4	cg00369908	0.144806784958379	80	1.29252214303599	0.199992236167884	0.0209690049699822	0.382928186211525
UVM	ING4	cg00443163	-0.29143286158072	80	-2.69066359009562	0.00872033537196333	0.0849331128091269	0.0383639523794896
UVM	ING4	cg00591160	-0.221494737049571	80	-2.00601481567099	0.0483216474476485	0.0490599185406586	0.14064931498269
UVM	ING4	cg03930474	-0.095834438799434	80	-0.850300534975123	0.397760626815015	0.00918423966000246	0.594402209121505
UVM	ING4	cg04375284	-0.107719348843817	80	-0.95691951653419	0.341564471383367	0.0116034581153359	0.540751515386161
UVM	ING4	cg08733494	-0.273517987163914	80	-2.51141346562432	0.014091416573477	0.0748120893021989	0.0556150200860977
UVM	ING4	cg12392916	-0.346539321717649	80	-3.26272576615551	0.00163860817383178	0.120089501496528	0.0101129618623617
UVM	ING4	cg18123790	-0.111751185230241	80	-0.993180811756731	0.323692959330525	0.0124883274003635	0.523122948088305
UVM	ING4	cg23354319	-0.136529198639487	80	-1.21719095233885	0.227201441325283	0.0186402220811404	0.416813680473927
UVM	ING4	cg27116036	-0.185648334670051	80	-1.66860836682606	0.0992046104172318	0.0344653041657634	0.236906529346979
UVM	INO80	cg00734724	-0.164418780298281	80	-1.4721422862552	0.145006031682961	0.0270335353147745	0.308685399210383
UVM	INO80	cg06380007	-0.0384886723224015	80	-0.340174807116666	0.73463929899447	0.00148137789714119	0.850403690643054
UVM	INO80	cg12580230	-0.260494426868765	80	-2.38289303036985	0.0196109539475274	0.0678573464296866	0.0717396102414156
UVM	INO80	cg18952654	0.039381609736574	80	0.348078984256162	0.728718523923805	0.00155091118544382	0.846589092679946
UVM	INO80	cg21007089	-0.00442460667990354	80	-0.0390774506387815	0.968928485876468	1.95771442718471e-05	0.983676144714708
UVM	INO80	cg21598047	-0.0346209856930883	80	-0.305947677952756	0.760459577608945	0.00119861265036103	0.866737856281741
UVM	INO80	cg22835709	-0.232540969496215	80	-2.11163327867272	0.0379196493438086	0.0540753024942397	0.117726725430921
UVM	INO80	cg26409855	0.183716532788866	80	1.65063551431853	0.102834212556711	0.0337517644199626	0.243024628824254
UVM	INO80	cg27441689	-0.202892736495479	80	-1.82996155760761	0.0710762006604704	0.0411654625226237	0.186422857524634
UVM	INTS12	cg00093890	-0.0489297731985277	80	-0.432654280209821	0.666459869547541	0.00239412270525936	0.806471593870785
UVM	INTS12	cg01852585	0.200656585686499	80	1.80894188706201	0.0743133062989697	0.0402630653793632	0.192559539680286
UVM	INTS12	cg03607115	0.41364872564879	80	4.01263172386021	0.000136808994566053	0.171105268230868	0.00125951703233982
UVM	INTS12	cg19703969	-0.265253156997616	80	-2.42968674086334	0.0174105352825577	0.0703592372972018	0.0654569486647637
UVM	INTS12	cg26533745	-0.0674304601789587	80	-0.596888231120573	0.552310652428184	0.00454686695994613	0.724597448353174
UVM	IWS1	cg02372421	-0.0238188517058702	80	-0.210422101040355	0.833886961125406	0.000567337696586234	0.910884920298096
UVM	IWS1	cg02592214	-0.236141870671547	80	-2.14624743740185	0.0349620031056645	0.0557629830842577	0.110760468708343
UVM	IWS1	cg10180764	0.16160544342535	80	1.44627121424854	0.152107664206853	0.0261163193447041	0.318770066251122
UVM	IWS1	cg10488833	-0.430327872771072	80	-4.21033344232905	6.77257750417453e-05	0.185182078083676	0.00069020426423743
UVM	IWS1	cg15239145	-0.259096992074728	80	-2.36918732397906	0.0203007250639784	0.0671312513021717	0.073649890669549
UVM	IWS1	cg17144508	-0.00278368971190942	80	-0.0245849771154394	0.980448790470835	7.74892841219036e-06	0.98991607016078
UVM	IWS1	cg18451256	0.088934309417277	80	0.788571272318014	0.432752850622858	0.00790931139152796	0.626406208346134
UVM	IWS1	cg18530950	0.0896780987826251	80	0.795219620635338	0.428899002643944	0.00804216140126626	0.623018747300588
UVM	IWS1	cg19311602	0.0570589273680243	80	0.504753139421204	0.615155321124802	0.00325572119238947	0.771007202796106
UVM	IWS1	cg19409088	-0.113872367947112	80	-1.01227799971566	0.314535025231115	0.0129669161818824	0.513578577634736
UVM	IWS1	cg21581038	0.194753973282238	80	1.75359820002641	0.0834277054489654	0.0379291101092185	0.209092338860273
UVM	IWS1	cg21679674	-0.0520122415652225	80	-0.459982289809086	0.646808589206635	0.00270527327263906	0.792918693782457
UVM	IWS1	cg22409775	-0.132995241081285	80	-1.18510988039084	0.239572197029721	0.017687734150269	0.431502441002754
UVM	IWS1	cg23570261	0.129373004935212	80	1.15227516356302	0.252727398576896	0.0167373744059663	0.446696071010558
UVM	IWS1	cg23623107	0.0256069626124582	80	0.226228753436073	0.821615291722026	0.000655716534235834	0.904221992788254
UVM	JADE1	cg09863040	-0.0936955031988031	80	-0.831152601661811	0.408424533123229	0.00877884731967692	0.604416719863577
UVM	JADE1	cg12832492	-0.00286245325534741	80	-0.0252806062125581	0.979895708957515	8.19363863904897e-06	0.989664496271231
UVM	JADE1	cg14617908	0.0634047641895506	80	0.561104717471341	0.576334622744177	0.00402016412193252	0.743021040763656
UVM	JADE1	cg15389440	-0.0491059455141842	80	-0.434215816570572	0.665330509824619	0.00241139388484203	0.805794638158777
UVM	JADE1	cg15836763	-0.229660500047459	80	-2.08401054665494	0.0404332273095099	0.0527439452820488	0.123341459569949
UVM	JADE1	cg20039387	-6.08217311779519e-05	80	-0.0005371629862333	0.999572777429753	3.69928298348304e-09	0.99978134017001
UVM	JADE1	cg22922695	0.0753252245159311	80	0.667149729371288	0.50664540813428	0.00567388944837543	0.689634183937539
UVM	JADE1	cg26766900	-0.292819182645879	80	-2.70466010981863	0.00839194721295877	0.0857430737254006	0.0372818880409408
UVM	JADE2	cg04590931	-0.00733917249524155	80	-0.0648195621609293	0.948483506309238	5.38634529149101e-05	0.972619130288839
UVM	JADE2	cg04842522	0.151560373739621	80	1.35418856091586	0.179586543276295	0.0229705468880936	0.356540561313608
UVM	JADE2	cg17378563	-0.141653219635313	80	-1.26379099719238	0.210069061875284	0.0200656346330503	0.39566405828937
UVM	JADE2	cg18145011	-0.158861552152669	80	-1.42107363881642	0.159281020634622	0.0252369927523553	0.328772525650715
UVM	JADE2	cg21194015	-0.050479488368011	80	-0.44639187584319	0.656551043561691	0.00254817874589615	0.799857991149433
UVM	JADE2	cg25669900	-0.1783924368029	80	-1.60120357768443	0.113374437336146	0.0318238615084765	0.260510721234882
UVM	JADE2	cg26133206	-0.0907502207577711	80	-0.804805127381619	0.423378524625306	0.0082356025675842	0.618459644586227
UVM	JADE3	cg10860619	0.0225585654073389	80	0.19928256795838	0.842560296268556	0.000508888873237189	0.915806959256637
UVM	JADE3	cg17843048	-0.0209761781809614	80	-0.185297359492739	0.853476798453036	0.000440000051079439	0.921901889181553
UVM	JADE3	cg19194595	-0.0383183289827712	80	-0.338667041155381	0.735770561012665	0.00146829433603188	0.851001765378241

UVM	JARID2	cg01769037	-0.397177597022882	80	-3.82218361743124	0.000264475745084631	0.157750043576871	0.00219603224603627
UVM	JARID2	cg03223185	0.129038556099363	80	1.14924585124047	0.253966460766682	0.0166509489602084	0.448026492490891
UVM	JARID2	cg05197191	-0.680131424927841	80	-8.19375035041522	3.96358210758876e-12	0.462578755174376	2.02857175314316e-10
UVM	JARID2	cg06047828	-0.150491976946682	80	-1.34442044741401	0.18270938655603	0.0226478351253207	0.360570624498726
UVM	JARID2	cg14862454	0.0999357329139361	80	0.8870491571203	0.377779400198481	0.00998715071304556	0.576378643610202
UVM	JARID2	cg15109221	0.28306885089618	80	2.6066077214655	0.0109508167523951	0.0801279743476838	0.0457719663892017
UVM	JARID2	cg21397480	0.0108120862628741	80	0.0954953422634495	0.924166306178463	0.00011690120935583	0.960116350285809
UVM	JARID2	cg21901688	-0.611256201305981	80	-6.82113337551258	1.72145095125464e-09	0.373634143635018	5.43942141762402e-08
UVM	JARID2	cg25338254	-0.490121496130916	80	-4.96600166251734	3.93801530561933e-06	0.240219080969607	5.75961576772608e-05
UVM	JMJD6	cg02318866	-0.066542257752985	80	-0.588990742485508	0.557569460970749	0.00442787206686469	0.72880500448213
UVM	JMJD6	cg04510639	0.0135274103247363	80	0.119481785664496	0.905200875024578	0.000182990830093782	0.949749772360403
UVM	JMJD6	cg07312083	-0.128228520109109	80	-1.14191049908783	0.256984633281673	0.0164425533693721	0.451385472149795
UVM	JMJD6	cg08857478	0.0275374666217181	80	0.243296584930428	0.808414361137022	0.000758312067942241	0.896343100489146
UVM	JMJD6	cg10712116	0.0774608691676082	80	0.686177566877803	0.494635828731697	0.00600018625220131	0.67973325667468
UVM	JMJD6	cg12504415	-0.137494715799372	80	-1.22596404344204	0.223900720745684	0.0189047968727501	0.412952919709558
UVM	JMJD6	cg15457598	-0.0089060869029749	80	-0.0786595494178411	0.937504868030979	7.93183839233411e-05	0.966581548572908
UVM	JMJD6	cg21102709	-0.127961964672384	80	-1.13949719178051	0.257983128460764	0.0163742644028164	0.452505850817926
UVM	JMJD6	cg21807925	-0.274174976214828	80	-2.51793556125008	0.013852807360039	0.0751719175824014	0.0549352753105404
UVM	JMJD6	cg23630158	-0.297970404987115	80	-2.7568321640477	0.00726482153576311	0.0887863622481853	0.0333506152810785
UVM	JMJD6	cg25004679	-0.159775872691758	80	-1.42946619949577	0.156863358495906	0.0255283294944128	0.325466157540687
UVM	JMJD6	cg25908504	-0.032578675130681	80	-0.287879882200633	0.774202217738074	0.00106137007327046	0.874923752864211
UVM	JMJD6	cg26612088	-0.255637681678129	80	-2.33532759760461	0.0220980899574512	0.0653506242937682	0.0785244762629652
UVM	JMJD8	cg00873473	-0.0113837962723319	80	-0.100545481524887	0.920169270243118	0.000129590817569957	0.958012449101232
UVM	JMJD8	cg02851105	-0.154388951454118	80	-1.38007317335968	0.171507005114556	0.0238359483311022	0.345689085808937
UVM	JMJD8	cg03899598	0.0262795150690993	80	0.232174578000708	0.81701050240814	0.000690612912267019	0.901590374267176
UVM	JMJD8	cg05787952	-0.0223537073780801	80	-0.197471941406705	0.843971936640754	0.000499688233544832	0.916671726222975
UVM	JMJD8	cg06191810	0.107960024876048	80	0.959082735186237	0.340480590898672	0.0116553669712369	0.539753980567141
UVM	JMJD8	cg06646636	-0.159325191585399	80	-1.4253289211818	0.158051625182806	0.025384516673724	0.32707672189485
UVM	JMJD8	cg08398290	-0.174896938259909	80	-1.56882868957045	0.120735974410531	0.0305889390126903	0.27177472202815
UVM	JMJD8	cg26750188	0.124605299305235	80	1.10912832025219	0.270782831807995	0.0155264806149471	0.46698618053318
UVM	JMJD8	cg27579097	-0.141680262437441	80	-1.26403720740103	0.209981145827038	0.0200732967643422	0.395565508971052
UVM	KAT2B	cg00770008	-0.297507607592356	80	-2.75213420347075	0.00736033239154285	0.088510776575327	0.0336857099698602
UVM	KAT2B	cg04371528	-0.0975703834670416	80	-0.865849585634418	0.389228118489786	0.00951997972990554	0.586817635008447
UVM	KAT2B	cg05072819	-0.192469158650919	80	-1.73222902965746	0.0871855443947865	0.0370443770317926	0.215910347493406
UVM	KAT2B	cg12062464	-0.232434604240067	80	-2.11061223289577	0.0380100926044237	0.0540258452482368	0.117903419084872
UVM	KAT2B	cg14937543	-0.305157351266	80	-2.83006537192144	0.00591541523611578	0.0931210090316808	0.028366135294236
UVM	KAT2B	cg18053505	-0.220087504032746	80	-1.99261895637036	0.0498014000721201	0.0484385094313638	0.143871456890215
UVM	KAT5	cg00582417	-0.0663291461912723	80	-0.587096062141984	0.558834782817987	0.00439955563446318	0.729781915010056
UVM	KAT5	cg02561205	0.0499150618025951	80	0.441388094568024	0.660153227257801	0.00249151339475689	0.802311668152814
UVM	KAT5	cg05785768	-0.0644314403701715	80	-0.570227929717079	0.570162058490394	0.00415141050817497	0.738244185915943
UVM	KAT5	cg07564927	-0.0174932302472511	80	-0.154519670654403	0.877599131155018	0.000306013104483343	0.935079425105884
UVM	KAT5	cg14726348	-0.156032417941335	80	-1.39512862917103	0.166936916826783	0.0243461154486195	0.339574587062617
UVM	KAT5	cg18896539	-0.0335798961490991	80	-0.296736961591694	0.76745607078665	0.00112760942538428	0.871163449049525
UVM	KAT5	cg20108992	0.0434625522916701	80	0.384213928813786	0.701865352811771	0.00188899345170616	0.829246601917242
UVM	KAT5	cg20423942	-0.212129879353244	80	-1.91711097146157	0.0588857068954278	0.0449990857144219	0.162407392878442
UVM	KAT5	cg22048492	0.0307014280087886	80	0.271275549708928	0.786895761535002	0.000942577681778828	0.882567564955147
UVM	KAT6A	cg10163397	-0.411411046541153	80	-3.98648780800268	0.000149927396972698	0.169259049216087	0.00136143946773597
UVM	KAT6A	cg12468056	0.0722240116326194	80	0.639535387179441	0.524348615287249	0.00521630785630875	0.703514473071923
UVM	KAT6A	cg15251374	-0.630831776947067	80	-7.18032538354033	3.56801842818468e-10	0.397948730806194	1.27794855249631e-08
UVM	KAT6A	cg20966972	0.435938754511221	80	4.2780089713876	5.30145285708679e-05	0.190042597684795	0.000557929144432102
UVM	KAT6B	cg04396765	-0.102565218301347	80	-0.910633907719621	0.365293907457026	0.0105196240052029	0.56424577548868
UVM	KAT6B	cg06972998	-0.329072106787149	80	-3.07769924070344	0.00287805614496448	0.108288451465333	0.0159248547497038
UVM	KAT6B	cg09631472	0.142201923758247	80	1.26878721983827	0.208290335599907	0.0202213871205462	0.393466523424292
UVM	KAT6B	cg10359932	-0.0438155742792484	80	-0.387340662059486	0.699558929965104	0.00191980454942033	0.827778769130344
UVM	KAT6B	cg10739686	-0.00700991734655239	80	-0.0619114348473397	0.950791732418523	4.91389412054961e-05	0.974011760313011
UVM	KAT6B	cg11128436	-0.0534612622332506	80	-0.472833271092618	0.637652591515182	0.00285810655957239	0.786859254070434
UVM	KAT6B	cg11348552	-0.042724381264762	80	-0.377676376020857	0.706696787235167	0.00182537275445675	0.832741632956764

UVM	KAT6B	cg15874302	0.01747323211089	80	0.154342970886501	0.877737979198479	0.000305313840401037	0.935111109869304
UVM	KAT6B	cg15912797	-0.0631381140828831	80	-0.558735514866479	0.577942814083899	0.00398642144994316	0.74434977695943
UVM	KAT6B	cg17147776	-0.220149707508719	80	-1.99321081235287	0.0497352129875873	0.0484658937161744	0.143736576237327
UVM	KAT6B	cg18462764	0.140409197415756	80	1.2524679538177	0.214141656345867	0.0197147427189368	0.400753831311082
UVM	KAT6B	cg18491775	0.0592498970848805	80	0.524201849841118	0.601624644122429	0.00351055030456893	0.761231357690097
UVM	KAT6B	cg24671245	-0.232593124109772	80	-2.11213396247205	0.0378753674659016	0.0540995613831439	0.11763319772606
UVM	KAT6B	cg26605858	0.0257921233213512	80	0.227865669970917	0.820346936749552	0.000665233625423789	0.903426806306549
UVM	KDM1A	cg00062312	0.181542792972379	80	1.63043540536497	0.107041321707483	0.0329577856802121	0.250080262505614
UVM	KDM1A	cg00541565	0.146029873348485	80	1.3036760927863	0.196178705708321	0.0213247239101744	0.378144310609111
UVM	KDM1A	cg04886391	-0.373203067977764	80	-3.55272582626776	0.000650662039492726	0.139280529948016	0.00468724906938579
UVM	KDM1A	cg06958034	0.0131067971391089	80	0.115766042099182	0.90813548947945	0.000171788131245754	0.951298360516742
UVM	KDM1A	cg07118078	0.0446741265214754	80	0.3949455108841	0.693961059182394	0.00199577758045679	0.824515954518223
UVM	KDM1A	cg07785945	0.180315115005375	80	1.61903779398763	0.109475801741575	0.0325135406994018	0.254081581213166
UVM	KDM1A	cg10499166	0.198456910979265	80	1.78829383559593	0.0776118282104935	0.0393851455154318	0.198635825891799
UVM	KDM1A	cg12578844	0.11487289012199	80	1.02129063669371	0.310273963160321	0.0131957808849787	0.509110811627977
UVM	KDM1A	cg22683154	-0.0178584518034838	80	-0.157746732410306	0.875064033642602	0.000318924300817354	0.933880369017354
UVM	KDM1A	cg26662347	0.345359351228582	80	3.25010869836727	0.00170389269299892	0.119273081481027	0.0104368247505394
UVM	KDM1B	cg11007366	0.137684898880996	80	1.22769254519528	0.223254544329395	0.01895713137987	0.412000530796551
UVM	KDM1B	cg15124342	-0.412682232328837	80	-4.00132899598012	0.000142339259398383	0.170306624879912	0.00130241594279438
UVM	KDM1B	cg20677365	-0.210132010417929	80	-1.89821711796001	0.0613666986206034	0.0441554618022806	0.167340879921438
UVM	KDM1B	cg22406543	0.221500533433065	80	2.00607002030849	0.0483156280910133	0.0490624863111323	0.140637056488524
UVM	KDM1B	cg23073439	-0.382836706647953	80	-3.65995191318288	0.000456891709945067	0.146563943957051	0.00347613043359086
UVM	KDM1B	cg23860886	0.138694512928226	80	1.23687086638808	0.219846132896625	0.0192361679163979	0.407927548980335
UVM	KDM1B	cg24342628	0.0636562461385149	80	0.56333926060848	0.574819811697483	0.00405211767244719	0.741916487169944
UVM	KDM2A	cg05038268	-0.177584627153485	80	-1.59371623049334	0.115044087433338	0.0315362998012424	0.262956948370474
UVM	KDM2A	cg05295919	-0.162646570872359	80	-1.45584102544651	0.149449913626575	0.0264539070165374	0.31491390830374
UVM	KDM2A	cg06320126	-0.119690305303126	80	-1.06473020546616	0.290282989666132	0.0143257691835554	0.48783294588769
UVM	KDM2A	cg07283932	-0.134201375877046	80	-1.19605386603251	0.235298790124027	0.0180100092872921	0.426501955003857
UVM	KDM2A	cg08836144	-0.195836683451917	80	-1.7637347923341	0.0816924748838941	0.0383520065854464	0.206047528681737
UVM	KDM2A	cg09993857	0.11169798088911	80	0.992701986453407	0.323924830571958	0.0124764389347041	0.523308723460459
UVM	KDM2A	cg11637544	0.225447364865223	80	2.0437118624256	0.0443579732410298	0.050826514324673	0.132183565858909
UVM	KDM2A	cg16004548	-0.132578353063326	80	-1.18132845413646	0.241061658229556	0.0175770197009839	0.433268272539105
UVM	KDM2A	cg18132081	0.117580854313158	80	1.04569967961418	0.298929535685241	0.0138252573010121	0.497197560486993
UVM	KDM2A	cg21293464	-0.179761450074671	80	-1.61390019943668	0.110587663197952	0.0323141789329483	0.255951941890441
UVM	KDM2A	cg21711868	-0.0671717216564617	80	-0.594587500536412	0.553840106728067	0.00451204019029317	0.725698358841914
UVM	KDM2A	cg25597833	-0.217951780211714	80	-1.97231332505639	0.0521182049635995	0.0475029784974551	0.148711987857184
UVM	KDM2B	cg03486832	-0.146056492633554	80	-1.30391891496452	0.196096293089605	0.0213324990404155	0.378032289850145
UVM	KDM2B	cg05067991	-0.395225500861308	80	-3.79991009941378	0.000285325466609371	0.156203196531072	0.0023436394625076
UVM	KDM2B	cg07020001	-0.0466464632499765	80	-0.412419343109715	0.681163440625979	0.0021758925337314	0.816078553278878
UVM	KDM2B	cg07529210	-0.053962424736363	80	-0.477278641824737	0.634498358019082	0.00291194328342764	0.784727830459555
UVM	KDM2B	cg07793808	-0.0554618626738127	80	-0.490581007514768	0.625100119361454	0.00307601821124886	0.778102965712927
UVM	KDM2B	cg09151742	-0.0529169834082327	80	-0.468005859258622	0.64108549416124	0.00280020713302718	0.789111009838128
UVM	KDM2B	cg12251659	0.107140779171561	80	0.951719973946915	0.344178898048198	0.0114791465614892	0.543446833490827
UVM	KDM2B	cg12888660	-0.229835867695246	80	-2.08569060126687	0.0402763341389014	0.0528245260792264	0.123070707333426
UVM	KDM2B	cg15234492	-0.0426769758633327	80	-0.377256555155832	0.707007461108816	0.00182132426883948	0.832981544919644
UVM	KDM2B	cg15316703	-0.338934302801923	80	-3.18171211254588	0.00210231187066001	0.114876461615825	0.0123693276105071
UVM	KDM2B	cg16837338	-0.0569170351129238	80	-0.503493851383118	0.616036107577284	0.0032395488860458	0.771764356361602
UVM	KDM2B	cg17452615	-0.0329930814205486	80	-0.291545728648142	0.771407921126804	0.00108854342162295	0.873313615796822
UVM	KDM2B	cg20055546	-0.142471053071232	80	-1.2712382115008	0.207421827556631	0.0202980009632257	0.392356660556617
UVM	KDM2B	cg21249371	-0.0363277899457071	80	-0.32105026989922	0.749030944634787	0.00131970832233942	0.859365690220954
UVM	KDM2B	cg21781916	0.0401225300682298	80	0.35463815722984	0.723817725255546	0.001609817419076	0.843523465704662
UVM	KDM2B	cg26218726	-0.080981615173423	80	-0.717567040308134	0.475167866334276	0.00655802199609637	0.662981723825395
UVM	KDM2B	cg26509318	-0.098193388146803	80	-0.871431846118914	0.38619276370027	0.00964194147574872	0.584196625494367
UVM	KDM3A	cg01744130	-0.0105092489732191	80	-0.0928202996948693	0.926284320857155	0.000110444313981107	0.961188790790347
UVM	KDM3A	cg02152982	0.0460384908024998	80	0.407032531631477	0.685098924351986	0.00211954263537186	0.818817892895752
UVM	KDM3A	cg02972551	0.00713412051548453	80	0.0630084498335345	0.949920963969231	5.08956755294573e-05	0.973467708646367
UVM	KDM3A	cg03037033	-0.0964014763474272	80	-0.855378685395907	0.394961445360466	0.00929324464196356	0.59160371327798

UVM	KDM3A	cg04793821	-0.0691658441035781	80	-0.612322600459688	0.542105328922359	0.00478391399056046	0.716840537060714
UVM	KDM3A	cg07052513	0.0578851043439516	80	0.512086038731785	0.610037713216184	0.00335068530491017	0.767345889175368
UVM	KDM3A	cg07211384	-0.1648697747079	80	-1.47629298050534	0.143891155188478	0.0271820424048606	0.30700960800561
UVM	KDM3A	cg12888358	-0.157452591392615	80	-1.40814810384411	0.163060578835915	0.0247913185362496	0.333863262796715
UVM	KDM3A	cg18611949	-0.016574306215033	80	-0.146400419053472	0.883983012716913	0.000274707626509682	0.938510052563432
UVM	KDM3A	cg19139691	-0.170083328656425	80	-1.52434548202389	0.131466928056904	0.0289283386868496	0.288331613935247
UVM	KDM3A	cg20191795	-0.18201416684727	80	-1.6348136735715	0.106117843881142	0.033129156933106	0.248444330489762
UVM	KDM3A	cg20918903	0.0634728904748247	80	0.561710043038254	0.575924079140142	0.00402880782522909	0.742627137170414
UVM	KDM3A	cg22404242	-0.0107722561342502	80	-0.0951435106266362	0.924444844454854	0.000116041502221891	0.960171416536241
UVM	KDM3A	cg24749656	-0.11711274896717	80	-1.04147859769056	0.30087089731143	0.0137153959706474	0.499209797923589
UVM	KDM3B	cg00435490	-0.174992369175785	80	-1.56971174030351	0.120530241747614	0.0306223292697543	0.271507465281981
UVM	KDM3B	cg03315484	0.0143934088484157	80	0.127132314697315	0.899162850174364	0.000207170218277651	0.946785706290717
UVM	KDM3B	cg05191700	-0.0303004645741426	80	-0.267729389086592	0.789614327049549	0.000918118153408873	0.884188921717684
UVM	KDM3B	cg05708550	-0.00932280890012349	80	-0.0823403971842868	0.934586966776306	8.69147657882218e-05	0.965222617950599
UVM	KDM3B	cg05722427	-0.0503740126763204	80	-0.4454567752833	0.657223600564271	0.00253754115311409	0.80033894435604
UVM	KDM3B	cg15001364	-0.0956833674316415	80	-0.848947744334743	0.3985083641416	0.00915530680305852	0.595119491678952
UVM	KDM3B	cg18682923	-0.0296839072107946	80	-0.26227674605383	0.793799530899494	0.000881134347299064	0.886998573783327
UVM	KDM3B	cg19076659	-0.0303710934748387	80	-0.268354028695571	0.789135273941774	0.00092240331885739	0.883982733334658
UVM	KDM3B	cg24137987	-0.162652285561908	80	-1.45589356734829	0.149435421904061	0.0264557659985124	0.314900431010227
UVM	KDM4A	cg00154982	-0.456443767796332	80	-4.53070183751848	2.08663210176438e-05	0.208340913160111	0.000248579073375529
UVM	KDM4A	cg00979347	0.29719344247401	80	2.74894625577867	0.00742579669016829	0.0883239422495525	0.0339214578810894
UVM	KDM4A	cg03587511	0.294944062689802	80	2.72614949674781	0.00790965656821852	0.0869920001159656	0.0356172622752947
UVM	KDM4A	cg08552254	-0.652917281176697	80	-7.61313286761533	5.26373947131569e-11	0.42630097605917	2.19636637545075e-09
UVM	KDM4A	cg10958452	-0.222235342508087	80	-2.01307014026857	0.0475575391407747	0.0493885474596867	0.139155483331963
UVM	KDM4A	cg10968649	0.321903277793391	80	3.00280436153158	0.00359345693821942	0.103621720254129	0.0190260252536474
UVM	KDM4A	cg12293275	0.153792077101121	80	1.37460824350406	0.173189299043062	0.0236520029790772	0.34809829879925
UVM	KDM4A	cg17737314	-0.202016288628878	80	-1.82171946927949	0.0723311910775929	0.0408105808713861	0.188797902251049
UVM	KDM4A	cg19743044	-0.0514193679535877	80	-0.454725095059253	0.650570078652743	0.00264395140074644	0.795611656585416
UVM	KDM4A	cg20873046	-0.122838054457368	80	-1.09315508196429	0.277690385046106	0.0150891876228712	0.47446016591502
UVM	KDM4A	cg21451504	-0.57358714453098	80	-6.18423759246472	2.67649787887029e-08	0.329002212371204	6.68563832600077e-07
UVM	KDM4A	cg22094309	-0.145267386257174	80	-1.29672188132831	0.19854992059075	0.0211026135099911	0.381184915980826
UVM	KDM4A	cg24324755	0.100878674636653	80	0.895504536809446	0.373272717873217	0.0101765069964477	0.57185141228637
UVM	KDM4A	cg24505556	-0.571366546221419	80	-6.14865784800337	3.1131015531712e-08	0.326459730140993	7.64557139658403e-07
UVM	KDM4A	cg25841161	0.182413375366317	80	1.63852255886516	0.105340601909311	0.0332746395125329	0.247220549804903
UVM	KDM4B	cg01098771	0.00605928965164454	80	0.0535151796368286	0.957458263934933	3.67149910825267e-05	0.977600167678701
UVM	KDM4B	cg12072803	-0.0723359935221681	80	-0.640532185749218	0.523704003926036	0.00523249595883914	0.702980492243374
UVM	KDM4B	cg18115693	-0.0358943812474514	80	-0.317215008442574	0.751928010998594	0.00128840660513739	0.861105248249702
UVM	KDM4C	cg00121158	-0.166871517961945	80	-1.49472743996756	0.13902043142445	0.0278461035069236	0.299765936089408
UVM	KDM4C	cg00667760	0.0172835347100003	80	0.152666849551055	0.879055240434852	0.000298720572071786	0.935784003043172
UVM	KDM4C	cg05545111	0.204582513220588	80	1.84586513316099	0.0687060336946155	0.0418540047156523	0.181830827870009
UVM	KDM4C	cg14196303	-0.119090811542487	80	-1.05932036417316	0.292723323605056	0.0141826213938481	0.490408490072827
UVM	KDM4C	cg14473811	-0.137358552446455	80	-1.22472659138171	0.224364161592168	0.0188673719301855	0.413576892327585
UVM	KDM4C	cg14497348	0.0377439824480534	80	0.333583524724939	0.739588966561366	0.00142460821103896	0.853309680327194
UVM	KDM4E	cg15555590	0.0568708528781627	80	0.50308399251952	0.61632289771229	0.00323429390708963	0.771988859714815
UVM	KDM4E	cg19409026	0.117448201310487	80	1.04450342596991	0.299478849757936	0.0137940799910687	0.497760017905541
UVM	KDM5B	cg00528052	-0.0400518497539919	80	-0.354012417873699	0.724284763260478	0.00160415066871634	0.843841862952819
UVM	KDM5B	cg00571448	0.23822439510725	80	2.16630860999733	0.033341426171739	0.0567508624242151	0.106787554349881
UVM	KDM5B	cg02624558	0.0439250340799033	80	0.388310182411201	0.698844339253443	0.00192940861892066	0.827272951106751
UVM	KDM5B	cg04504182	-0.00913155063430354	80	-0.0806510341630249	0.935926058850873	8.33852169868493e-05	0.965834473996748
UVM	KDM5B	cg08915090	0.056649184793324	80	0.501116773970075	0.617700247969575	0.00320913013774817	0.772961734656156
UVM	KDM5B	cg09889216	-0.0220398074433398	80	-0.19469760210647	0.846135917753913	0.000485753112139498	0.917827158846046
UVM	KDM5B	cg11171004	0.0810111678964228	80	0.717830632543555	0.475006219037	0.0065628093239424	0.662815623105673
UVM	KDM5B	cg11221497	-0.244184531931917	80	-2.22389953669174	0.0290477971563165	0.0596260856348094	0.0964342735449359
UVM	KDM5B	cg13134514	0.124253449587575	80	1.10594727778346	0.272148799911038	0.0154389197344119	0.468521371609261
UVM	KDM5B	cg13253785	-0.0541154651469069	80	-0.478636200323088	0.633536439506035	0.00292848356806609	0.784124061713375
UVM	KDM5B	cg13993945	-0.164918406526271	80	-1.47674062312386	0.14377131967994	0.0271980808111645	0.306846256328704
UVM	KDM5B	cg14560895	-0.21562392253605	80	-1.95021483044045	0.0547433616125228	0.0464936759698326	0.154148884685651

UVM	KDM5B	cg21105875	0.153339889576602	80	1.37046908015226	0.174471821908408	0.0235131217353646	0.349841741053764
UVM	KDM5B	cg24354901	0.106906751107315	80	0.949617067380674	0.345239966689183	0.0114290534323214	0.544447556631224
UVM	KDM5B	cg27531483	-0.0665306093837983	80	-0.588887179913758	0.557638586286886	0.00442632198497955	0.728861346703817
UVM	KDM5C	cg01859586	0.0422243019926695	80	0.373247816597868	0.709976487785043	0.00178289167876815	0.834823320597788
UVM	KDM5C	cg04927657	0.39819817424349	80	3.83385293888176	0.000254141669671001	0.158561785970849	0.00212154705981176
UVM	KDM5C	cg04927982	-0.656956976741284	80	-7.69580967926716	3.645970904945e-11	0.431592469289048	1.56272540264072e-09
UVM	KDM5C	cg09554224	0.38655203668863	80	3.70167525846379	0.000397495348665335	0.149422477068128	0.003089803472629
UVM	KDM5C	cg12234996	-0.534002262148079	80	-5.57808970145515	3.37629171430339e-07	0.285158415979266	6.47731782053065e-06
UVM	KDM5C	cg16417926	-0.199070301255138	80	-1.79404880326355	0.0766804765965228	0.0396289848418114	0.197017008928922
UVM	KDM5C	cg16824069	-0.623599628997002	80	-7.0451242419591	6.46350017838294e-10	0.388876497285199	2.21214928674493e-08
UVM	KDM5C	cg19903753	-0.681283123347702	80	-8.21962444309438	3.53103846245833e-12	0.464146694158401	1.82520668537198e-10
UVM	KDM5C	cg24985300	-0.0180664529336586	80	-0.159584638089697	0.873620803936012	0.000326396721604102	0.933118113697488
UVM	KDM5C	cg27526317	-0.240038885989597	80	-2.18381360060679	0.0319812603029406	0.0576186667871268	0.103505019927901
UVM	KDM6A	cg00751785	-0.228323528397204	80	-2.07120913909119	0.0416461336728567	0.052131633619749	0.126067914041255
UVM	KDM6A	cg03267667	0.0235526142935582	80	0.208068775765568	0.835717602625629	0.000554725640061122	0.911975412457156
UVM	KDM6A	cg03478540	0.0395549796093986	80	0.349613730240535	0.72757079005344	0.00156459641189994	0.845934658138924
UVM	KDM6A	cg06877198	0.00631854713824489	80	0.0558050113394128	0.955639842606408	3.99240379382227e-05	0.976399342208076
UVM	KDM6A	cg07167981	-0.252303320479831	80	-2.30278173162417	0.0239572693349313	0.0636569655251482	0.0834780888041586
UVM	KDM6A	cg11895950	-0.149697734254127	80	-1.33716198905046	0.185056347169128	0.0224094116408193	0.363615717106363
UVM	KDM6A	cg14384228	-0.134962435601679	80	-1.20296220023816	0.23262969657966	0.0182148590235374	0.423316287705974
UVM	KDM6A	cg15923127	0.250076657361481	80	2.28109671063652	0.0252715413032321	0.0625383345570915	0.0869152432306807
UVM	KDM6A	cg17824914	-0.204752024567855	80	-1.84746146115382	0.0684718260741248	0.0419233915646354	0.181413153179623
UVM	KDM6A	cg20211377	0.0810556602051315	80	0.718227480351439	0.474762911124269	0.00657002005128974	0.662607914505028
UVM	KDM6A	cg22133177	0.0799013062528938	80	0.707932646488497	0.481097204711503	0.00638421874091872	0.668331546717637
UVM	KDM6A	cg27306636	-0.0866710691254162	80	-0.768349468858538	0.444599672983747	0.00751187422334267	0.636577898516512
UVM	KDM6B	cg01046511	-0.245214150338334	80	-2.23387532432171	0.0283555171813558	0.0601299795261512	0.0946692890264963
UVM	KDM6B	cg02308232	-0.234126972818782	80	-2.12686753326724	0.036592211533941	0.0548154394012869	0.114669619332944
UVM	KDM6B	cg24893073	-0.295118634045669	80	-2.7279169386991	0.00787113783566489	0.0870950081609814	0.0354746131039751
UVM	KDM8	cg00636124	-0.0219634379078642	80	-0.194022634591794	0.846662571182777	0.000482392604732604	0.918072398179515
UVM	KDM8	cg01755539	-0.0348662665022204	80	-0.308117867752247	0.75881397271953	0.00121565653980386	0.865670691742817
UVM	KDM8	cg06329197	-0.0990236422642	80	-0.878872716873866	0.382169765277349	0.00980568172726826	0.580628754003321
UVM	KDM8	cg08572679	0.072914172995733	80	0.645679196184326	0.520382131237847	0.00531647662365168	0.700694201947504
UVM	KDM8	cg09140090	0.0156268600235685	80	0.138029545170238	0.890572780613538	0.000244198754196204	0.942101726907485
UVM	KDM8	cg10214171	0.00411184017487371	80	0.0363150961401766	0.971123892048634	1.69072296237055e-05	0.98469523123108
UVM	KDM8	cg10221365	-0.172205893502718	80	-1.54394631932565	0.126649033607891	0.0296548697570696	0.281035282117983
UVM	KDM8	cg16752029	0.0719302701046456	80	0.636920783960638	0.526041398215861	0.00517396375732727	0.704801070092911
UVM	KDM8	cg24206694	0.108120696375193	80	0.960526960570006	0.33975821369029	0.0116900849846567	0.539030185191266
UVM	KDM8	cg24705286	0.0810279556174058	80	0.717980369607831	0.474914406851361	0.00656552959153629	0.662734915970511
UVM	KIAA2026	cg03495688	0.0209984032894279	80	0.185493776094027	0.853323277160483	0.000440932940705456	0.921812856158839
UVM	KIAA2026	cg25608569	-0.0340814557007077	80	-0.301174231352154	0.764083052777473	0.0011615456226793	0.869047004411982
UVM	KMT2B	cg09284703	-0.0188627247532519	80	-0.166620718969838	0.868099669106052	0.000355802385116942	0.929965141011083
UVM	KMT2B	cg13830730	-0.023401419186464	80	-0.206732351988314	0.836757605553573	0.000547626419940607	0.912601346084203
UVM	KMT2B	cg15496871	0.0937360187396287	80	0.831515191472066	0.408220999955729	0.00878644120915602	0.604195971738665
UVM	KMT2B	cg24471867	0.0123332224787116	80	0.108932356720245	0.913535895883435	0.000152108376709396	0.954311957625298
UVM	L3MBTL1	cg01071811	-0.242482209620654	80	-2.20742356429559	0.0302236560804351	0.0587976219825146	0.099229679084054
UVM	L3MBTL1	cg01877937	-0.254174861007927	80	-2.32103848493484	0.0228980035377185	0.064604859968399	0.0806541377892452
UVM	L3MBTL1	cg02177317	-0.111679129004853	80	-0.992532326447479	0.324007014916923	0.0124722278552826	0.523396460695656
UVM	L3MBTL1	cg02472486	-0.0244042335713576	80	-0.215596565648625	0.829865007555442	0.00059556661620538	0.908635023191668
UVM	L3MBTL1	cg02611863	-0.27533668803698	80	-2.52947731353427	0.0134394511488875	0.075810281187917	0.0536763868300933
UVM	L3MBTL1	cg03486259	0.00779476315274259	80	0.0688435756168875	0.945290314742343	6.07583326073536e-05	0.97074148234636
UVM	L3MBTL1	cg04984575	-0.140081950390277	80	-1.24949037139215	0.215222189749617	0.0196229528251441	0.40225832384893
UVM	L3MBTL1	cg06362543	0.176017547324854	80	1.57920090403188	0.118337071706867	0.0309821769662571	0.26817508029492
UVM	L3MBTL1	cg06446163	0.0128621716858215	80	0.113605022089087	0.909842807299759	0.000165435460475549	0.952116106417506
UVM	L3MBTL1	cg06908806	0.0528326428964625	80	0.467257849351738	0.641618127458972	0.00279128815542513	0.789529272501475
UVM	L3MBTL1	cg07678583	-0.248592161511424	80	-2.26666098420112	0.0261813394274592	0.061798062764922	0.0892098952923553
UVM	L3MBTL1	cg08369943	-0.210325356981648	80	-1.90004450509925	0.0611229476448809	0.0442367557894576	0.166840012795582
UVM	L3MBTL1	cg08633313	-0.316431915254654	80	-2.94603221158934	0.0042420271906345	0.100129156991728	0.0217623491999618

UVM	L3MBTL1	cg09541000	0.143090842657539	80	1.27688380221969	0.205431508807103	0.0204749892524446	0.389675063006495
UVM	L3MBTL1	cg10360552	-0.0889383122100428	80	-0.788607047642457	0.432732058213835	0.00791002337877104	0.626406208346134
UVM	L3MBTL1	cg12699433	-0.133941302690133	80	-1.19369360981054	0.236215740078496	0.0179402725663299	0.427501856081576
UVM	L3MBTL1	cg14306330	0.000193206682662936	80	0.00170635525090365	0.998642882752651	3.73288222256163e-08	0.999259439982246
UVM	L3MBTL1	cg15123011	-0.0709427956304633	80	-0.628132457753903	0.531752055879437	0.00503288025186568	0.709337073203555
UVM	L3MBTL1	cg15302378	-0.284906787644714	80	-2.62502206233606	0.0104220749032914	0.0811718776460302	0.0440160095019896
UVM	L3MBTL1	cg15330298	-0.178332765185913	80	-1.60065038505646	0.113497127832977	0.031802575138854	0.260661753096526
UVM	L3MBTL1	cg15388309	-0.197159754963369	80	-1.77613081575164	0.0796111403257102	0.0388719689772159	0.202321683398069
UVM	L3MBTL1	cg16862791	-0.092559318471387	80	-0.820986118808903	0.414156346253554	0.00856722743588763	0.609755650191128
UVM	L3MBTL1	cg17091610	-0.342380066615755	80	-3.21832976411811	0.00187929147109161	0.117224110015809	0.0113003004229146
UVM	L3MBTL1	cg17774347	0.0257543814241866	80	0.227532010160105	0.820605432314323	0.000663288162542489	0.903570777504359
UVM	L3MBTL1	cg18911945	-0.136593388509077	80	-1.21777409824651	0.226980951688034	0.0186577537843915	0.416544930660256
UVM	L3MBTL1	cg20091959	-0.290678027826958	80	-2.68305046588634	0.00890383028207445	0.0844937158613697	0.039021157848217
UVM	L3MBTL1	cg20252111	-0.228888031002556	80	-2.07661269778783	0.0411303800093407	0.0523897307362268	0.124905210697843
UVM	L3MBTL1	cg20529070	-0.29775752375633	80	-2.75467089406282	0.00730861908791224	0.0886595429535011	0.0335022516837573
UVM	L3MBTL1	cg22330467	0.25820788915172	80	2.36047552440786	0.0207503024872273	0.0666713140201869	0.074910623773324
UVM	L3MBTL1	cg22457903	-0.371134327411571	80	-3.52987625217546	0.000700999798184989	0.137740688983239	0.00499254584821048
UVM	L3MBTL1	cg22601123	-0.0620755484917824	80	-0.549295742310203	0.584371716184029	0.00385337372055562	0.749050325234719
UVM	L3MBTL1	cg23626798	-0.341361441335974	80	-3.20748977015349	0.00194289122786378	0.116527633630973	0.0116095921484319
UVM	L3MBTL1	cg24343973	-0.134871374181875	80	-1.2021354984373	0.232947941652236	0.0181902875737072	0.423667465584094
UVM	L3MBTL2	cg02358112	0.0529304505991263	80	0.46812529973137	0.641000461948927	0.00280163260062655	0.78904379785523
UVM	L3MBTL2	cg06235991	0.162368032015418	80	1.45328027051836	0.150157527994374	0.0263633778205598	0.315831793997575
UVM	L3MBTL2	cg08053598	0.187045028842537	80	1.68161521953364	0.0966434302871892	0.0349858428147054	0.232418666247113
UVM	L3MBTL2	cg09993119	-0.0206826402434939	80	-0.182703214518676	0.855504938107144	0.000427771607441795	0.923152740724363
UVM	L3MBTL2	cg12821546	-0.00544916827433814	80	-0.0481264656446759	0.961738470354745	2.96934348820533e-05	0.979940569788433
UVM	L3MBTL2	cg13843727	0.160992330232128	80	1.4406379367822	0.153689215640959	0.0259185303935706	0.320970399266713
UVM	L3MBTL2	cg14679202	0.0645167683480572	80	0.570986249497148	0.569650445437586	0.00416241339807688	0.737851927278913
UVM	L3MBTL2	cg15283028	-0.0392883196754687	80	-0.347253152847537	0.729336364798974	0.00154357206292182	0.846911561679724
UVM	L3MBTL2	cg19467356	0.152700169618597	80	1.3646148170155	0.176298093934468	0.0233173418015484	0.352203335361384
UVM	L3MBTL2	cg24240981	-0.0749114323174074	80	-0.663464063584825	0.508989584411729	0.00561172269184551	0.691506186230176
UVM	L3MBTL2	cg26947834	0.103888043943427	80	0.922506043310429	0.359109469369721	0.0107927256743914	0.558065108518259
UVM	L3MBTL2	cg27177954	-0.0305317358277529	80	-0.269774759228888	0.788045979884819	0.000932186892655688	0.883264593848086
UVM	L3MBTL3	cg03454037	0.13145427186679	80	1.17113553244437	0.245109607942035	0.017280225592028	0.437963545414182
UVM	L3MBTL3	cg07826275	-0.0113690533890979	80	-0.10041525062418	0.920272318779007	0.000129255374964158	0.958068447870112
UVM	L3MBTL3	cg08106148	-0.326751853203513	80	-3.05339454917256	0.00309424006415633	0.10676677357193	0.0168755826942637
UVM	L3MBTL3	cg08358392	-0.215191363756282	80	-1.94611237954245	0.0552428790354109	0.0463073230352884	0.155108898319656
UVM	L3MBTL3	cg09710740	-0.319883706916128	80	-2.98181021373848	0.00382176314477631	0.102325585950403	0.0200168479152177
UVM	L3MBTL3	cg10237990	-0.22353688917409	80	-2.02547812195217	0.0462388326559241	0.0499687408216294	0.136259091163868
UVM	L3MBTL3	cg16487825	-0.16521096609034	80	-1.47943375303784	0.143052005081757	0.0272946633165035	0.305813831973506
UVM	L3MBTL3	cg16800851	-0.21351500985426	80	-1.93022491280532	0.0572140377304443	0.0455886594330649	0.159017822479535
UVM	L3MBTL3	cg18411550	-0.220302720717609	80	-1.99466681697345	0.0495727083500995	0.0485332887555806	0.143368127937382
UVM	L3MBTL3	cg18798995	-0.151978476181798	80	-1.35801249866792	0.178375113857324	0.0230974572225412	0.354988836209176
UVM	L3MBTL3	cg22934935	0.132074846302507	80	1.17676219417079	0.242869101172807	0.0174437650258308	0.43539022598542
UVM	L3MBTL3	cg24516147	-0.196688374962184	80	-1.77171324358232	0.0803477700332999	0.0386863168452649	0.203634938001972
UVM	LBR	cg01017344	-0.280474684474417	80	-2.58066975396047	0.0117368265927559	0.0786660486310237	0.0483251131553325
UVM	LBR	cg05530459	0.168588457624219	80	1.51055421769551	0.134942789685849	0.0284220680441132	0.293643059603384
UVM	LBR	cg12994003	0.108608994729539	80	0.964916588265837	0.337568749592398	0.0117959137361611	0.537022828241513
UVM	LBR	cg14607642	-0.167126220804603	80	-1.49707440737346	0.13840971679917	0.027931173680429	0.298846669682892
UVM	LBR	cg18107727	-0.162452858719553	80	-1.4540600894245	0.149941765087194	0.0263909313061551	0.315557139813152
UVM	LBR	cg18289048	0.10104051820582	80	0.896956036219958	0.372502500467871	0.0102091863193007	0.571139176187424
UVM	LBR	cg18764107	0.137628320111378	80	1.22717830780576	0.223446642575204	0.0189415544966801	0.412295915953023
UVM	LBR	cg19322477	-0.32380753193401	80	-3.02264162990967	0.00338941153129118	0.104851317737195	0.0181682547140678
UVM	LBR	cg20483690	-0.0240518263482995	80	-0.212481446830936	0.832285757299147	0.000578490350688756	0.910027197093226
UVM	LBR	cg26930584	-0.252002122627934	80	-2.2998461521011	0.0241315768739566	0.0635050698089842	0.0839275702491318
UVM	MBD1	cg01719254	0.029835686993676	80	0.263619011566757	0.792768701309877	0.000890168218384608	0.886419667261237
UVM	MBD1	cg03841029	0.0195763534619154	80	0.172926811269127	0.863156905821285	0.000383233614865848	0.927272365275993
UVM	MBD1	cg05549078	0.0996310034208481	80	0.884317158184578	0.379242819335776	0.00992633684264506	0.577738923890795

UVM	MBD1	cg12090413	0.112480669703537	80	0.999746857379158	0.320524473050557	0.0126519010569562	0.519931624681909
UVM	MBD1	cg13478031	-0.121478952750879	80	-1.08087803544082	0.283082008238528	0.0147571359614502	0.480422385935733
UVM	MBD1	cg14389183	-0.0490993358639507	80	-0.434157229963512	0.66537286783261	0.00241074478228104	0.805805451446082
UVM	MBD1	cg19328682	-0.0297041711939942	80	-0.262455949670815	0.793661885287146	0.000882337786322118	0.886959427447218
UVM	MBD1	cg21282183	0.179435490112917	80	1.61087627751648	0.111246328937755	0.0321970951120627	0.256964188764028
UVM	MBD2	cg15090185	0.171397546445649	80	1.53647903785403	0.128467711363968	0.0293771189275885	0.283743601665111
UVM	MBD2	cg16852837	-0.183287846771481	80	-1.64664985203948	0.103653526957489	0.0335944347741258	0.24436506435544
UVM	MBD2	cg17987217	-0.0113320400790217	80	-0.100088294737696	0.920531037008819	0.000128415132352554	0.958251497180425
UVM	MBD2	cg22224310	-0.0285308311064966	80	-0.252080096185761	0.801642195032233	0.000814008323627434	0.891739183898286
UVM	MBD2	cg22836370	0.106118582663142	80	0.942535992357396	0.348828494846241	0.0112611535864341	0.547962844094026
UVM	MBD2	cg23388714	-0.0860961395951163	80	-0.763214458724353	0.447637752702942	0.00741254525318175	0.639198445920937
UVM	MBD2	cg24881765	-0.199906210614648	80	-1.80189503218879	0.0754256677031823	0.0399624930423078	0.194680305019952
UVM	MBD2	cg25192916	-0.203837127281812	80	-1.83884771388672	0.0697435776871679	0.0415495744585015	0.183866007604217
UVM	MBD3	cg08660999	-0.0666197330465491	80	-0.589679561000529	0.557109800775777	0.00443818883119347	0.728397007840632
UVM	MBD3	cg09174855	-0.20966154036459	80	-1.89377151092337	0.061963115625187	0.0439579615080527	0.168561688881554
UVM	MBD3	cg12286540	-0.144284826142413	80	-1.2877639873493	0.201635735539291	0.0208181110549463	0.384971541023502
UVM	MBD5	cg03890220	-0.0236183118280628	80	-0.20864948516311	0.835265786584086	0.000557824653607609	0.911789329986984
UVM	MBD5	cg04152151	-0.071324298568561	80	-0.631527536464837	0.529542141893119	0.00508715556629724	0.707702975505908
UVM	MBD5	cg05218490	0.0480846567039204	80	0.425163991896714	0.671887799833853	0.00231213421033388	0.809992863788545
UVM	MBD5	cg06394585	0.0974710749269951	80	0.864959854170875	0.389713273777201	0.0095006104474239	0.587340741993561
UVM	MBD5	cg06758980	-0.127653889406516	80	-1.1367082899846	0.259140436201471	0.0162955154806111	0.453921712461886
UVM	MBD5	cg20595490	0.00488123635766136	80	0.0431104258305485	0.965723678092972	2.38264683793551e-05	0.982019656096601
UVM	MBD5	cg21412502	0.0379692663886643	80	0.335577463434253	0.738090463891477	0.00144166519009335	0.852503824009016
UVM	MBD5	cg23120335	-0.00884319974692289	80	-0.0781040794724124	0.937945278415066	7.8202181763977e-05	0.966802456394711
UVM	MBD5	cg25686162	-0.0927735436365501	80	-0.822902738389213	0.413072070048718	0.00860693039888286	0.608639648794308
UVM	MBD5	cg26664634	-0.193938742563954	80	-1.74597021405747	0.0847534718812706	0.0376122358672877	0.211615739369373
UVM	MBTD1	cg01388767	-0.0549010270954748	80	-0.485605131660898	0.62860846124222	0.00301412277613806	0.780667359936532
UVM	MBTD1	cg14577476	-0.0820384353294828	80	-0.726994419964994	0.469405715852915	0.00673030487130974	0.658223949296328
UVM	MBTD1	cg17045523	-0.00096831983299353	80	-0.0085519732164725	0.993198431119951	9.37643298968635e-07	0.996442797380088
UVM	MBTD1	cg18711617	0.0200849646446322	80	0.177421394770151	0.85963733465268	0.000403405804776124	0.925409080143048
UVM	MBTD1	cg22141797	-0.00706196729129252	80	-0.0623711616499308	0.950426811551225	4.98713820232854e-05	0.973799705223446
UVM	MBTD1	cg25259117	-0.0086856404873596	80	-0.0767123934147611	0.939048776506798	7.54403506756603e-05	0.967423649575836
UVM	MBTD1	cg25716740	-0.0651817755487805	80	-0.576896679004363	0.565670546587081	0.0042486638636916	0.734978784224478
UVM	MBTD1	cg25855326	-0.0946919024186585	80	-0.84007099077833	0.403436249746873	0.00896655638366474	0.599853206414408
UVM	MBTD1	cg27207041	-0.139560356944835	80	-1.24474531654223	0.216952387041647	0.0194770932305697	0.404265235188185
UVM	MBTD1	cg27214721	0.217800492781748	80	1.97087607557172	0.0522856172624447	0.0474370546559723	0.149069387572917
UVM	MBTD1	cg27353579	0.0201352669005546	80	0.1778659218997	0.859289392237358	0.000405428973156568	0.925289763716701
UVM	MLLT10	cg00879184	-0.0867218883883051	80	-0.768803400624097	0.444331686627954	0.00752068592563364	0.636299595566141
UVM	MLLT10	cg03524461	0.116344780649915	80	1.03455506169924	0.304073674904447	0.0135361079844767	0.502673863924817
UVM	MLLT10	cg04188362	-0.132467956879136	80	-1.18032720099353	0.241457151222479	0.0175477595997327	0.433718571710304
UVM	MLLT10	cg05913198	-0.0330688218585171	80	-0.292215746313425	0.770897524607831	0.00109354697911034	0.873095766791021
UVM	MLLT10	cg06398735	0.0726155481072772	80	0.64302072672628	0.522096520185163	0.00527301782692029	0.701972624432675
UVM	MLLT10	cg11443787	-0.0764563406235453	80	-0.677226406116818	0.500266032344606	0.00584557202154358	0.684207027429963
UVM	MLLT10	cg15910013	0.0767900502202993	80	0.680199796717289	0.498391959889827	0.00589671181283609	0.682684401275468
UVM	MLLT10	cg19119538	0.0671063753220644	80	0.594006453028089	0.554226703170528	0.00450326560886578	0.725997038904291
UVM	MLLT10	cg20569108	0.145420184819101	80	1.2981152806402	0.198073102389366	0.0211470301528215	0.380617310457941
UVM	MLLT10	cg23344688	-0.173035628456584	80	-1.55161451937519	0.124802744999115	0.029941328715365	0.27808586153923
UVM	MLLT10	cg26877631	0.0620803708923102	80	0.54933857998333	0.584342465370391	0.0038539724501268	0.749037324718081
UVM	MLLT10	cg27470303	-0.113653901498191	80	-1.01031048459804	0.315470432831927	0.0129172093257604	0.514663035581984
UVM	MLLT10	cg27572529	-0.149856434889132	80	-1.3386121168734	0.184585652367385	0.0224569510776806	0.363076011131943
UVM	MLLT6	cg05652455	0.110667530609222	80	0.983429900317845	0.328436580625241	0.012247302331143	0.528059134510989
UVM	MORF4L	cg03589001	0.113249650892385	80	1.00667018334077	0.317206032696123	0.0128254834272472	0.51641155399314
UVM	MORF4L	cg07757959	-0.12419802634571	80	-1.1054462397724	0.272364387627199	0.0154251497481697	0.468747293727497
UVM	MORF4L	cg08692282	0.0115899392555921	80	0.102366447464681	0.918728528227153	0.000134326691948314	0.957127303374756
UVM	MORF4L	cg13747872	0.0698676744831406	80	0.61856620327335	0.538004413195869	0.00488149193768209	0.713773135053966
UVM	MORF4L	cg15822222	0.00179687537585241	80	0.0158695992457146	0.987378945929432	3.22876111634472e-06	0.993290630143594
UVM	MORF4L	cg20775702	-0.145226647568933	80	-1.29635039344698	0.198677187254709	0.0210907791641111	0.381357870455446

UVM	MORF4L	cg20905746	0.187130542992017	80	1.6824119208859	0.0964883202594195	0.035017840120487	0.232160472171882
UVM	MORF4L	cg23623458	-0.274271055080845	80	-2.51888967952668	0.0138182077201159	0.0752246116551598	0.0548232176345725
UVM	MORF4L	cg24795825	0.140521224773251	80	1.25348737380043	0.213772637476615	0.0197462146117745	0.400332889431062
UVM	MPHOSF	cg00331616	0.0151808873024841	80	0.134089418363907	0.893677248181073	0.000230459339290722	0.94364069012553
UVM	MPHOSF	cg03134886	-0.189108698154567	80	-1.70085271397401	0.092954459124788	0.0357620997177152	0.226033094799798
UVM	MPHOSF	cg03428000	-0.0443335733382509	80	-0.391928868894041	0.69617957091536	0.00196546572493807	0.825840096672606
UVM	MPHOSF	cg04203901	-0.0962607677943137	80	-0.854118480399419	0.395654961414246	0.00926613541635077	0.592370709550805
UVM	MPHOSF	cg06019692	-0.0137871553957585	80	-0.12177643400885	0.903389267273711	0.000190085653906794	0.948786071816391
UVM	MPHOSF	cg09559995	-0.076640724266177	80	-0.678869261157828	0.499230100784669	0.0058738006866212	0.683451337451841
UVM	MPHOSF	cg11051893	0.0925689493771652	80	0.821072281670689	0.414107565105777	0.00856901038879217	0.609695369238783
UVM	MPHOSF	cg19693579	-0.231474249264674	80	-2.10139699161366	0.0388348639584142	0.0535803280726445	0.119828629493133
UVM	MPHOSF	cg20759595	-0.125548346041378	80	-1.11765642294605	0.267144446858692	0.0157623871937255	0.462842890568378
UVM	MPHOSF	cg20952532	-0.0416568615644382	80	-0.368223066160424	0.713704355067652	0.00173529411539877	0.837093741585371
UVM	MPHOSF	cg21958444	-0.116041294084414	80	-1.03181953041412	0.305345450708531	0.0134655819327854	0.503903172317631
UVM	MPHOSF	cg22656705	-0.0361433437755558	80	-0.31941807182618	0.750263430180919	0.00130634129927801	0.860059300982195
UVM	MSH6	cg00620552	0.080757889416698	80	0.715571604980244	0.476392559849306	0.00652183670303962	0.66416889083567
UVM	MSH6	cg02905881	0.106749982193006	80	0.948208477871998	0.345951889781113	0.011395558698207	0.545222635453737
UVM	MSH6	cg05039065	0.272524510021104	80	2.50155818018534	0.0144589870691988	0.0742696085622428	0.0567494094052306
UVM	MSH6	cg07652213	-0.0907471243022665	80	-0.804777438896868	0.423394409671312	0.00823504056913101	0.618464140037367
UVM	MSH6	cg09898070	0.059283976226243	80	0.524504421473403	0.601415226406619	0.00351458983719374	0.761090171670107
UVM	MSH6	cg11869233	0.102342486928844	80	0.908635413540753	0.366341592297361	0.0104739846307807	0.565235577770347
UVM	MSH6	cg16595246	-0.0550511166639447	80	-0.486936719100135	0.627668755964678	0.00303062544594725	0.779938745032255
UVM	MSH6	cg18222961	0.0327826101123695	80	0.289683876493696	0.772826745345783	0.00107469952577963	0.874033725284649
UVM	MSH6	cg19076255	-0.1663990159701	80	-1.49037437016358	0.140158760246427	0.0276886325158175	0.301585179913993
UVM	MSH6	cg19736286	0.0270513911821751	80	0.238998881059762	0.811733302476857	0.000731777764891061	0.898558284116917
UVM	MSH6	cg21405109	0.0254459307707343	80	0.224805167528403	0.82271873542914	0.000647495392789004	0.904636846198569
UVM	MTA1	cg01318265	0.0953522003825998	80	0.845982467604453	0.400150398123152	0.00909204211780346	0.596712545460675
UVM	MTA1	cg01655777	-0.0531648249043535	80	-0.470204005766927	0.639521356730486	0.00282649860711056	0.788212616636098
UVM	MTA1	cg05922925	0.0122023316275542	80	0.107776099008253	0.914450052927575	0.000148896897148808	0.954843797128274
UVM	MTA1	cg13052453	-0.0245663997513097	80	-0.217030067524696	0.828751588764786	0.00060350799674115	0.907923361993663
UVM	MTA1	cg13981078	0.0783043654210346	80	0.693695422544672	0.489933967779263	0.00613157364399091	0.675934578704666
UVM	MTA1	cg16531924	-0.0196498264187933	80	-0.173576081454176	0.862648309301088	0.000386115678288706	0.926933179350515
UVM	MTA1	cg20222911	0.0311678039229592	80	0.275400389854143	0.783736897234794	0.000971432001380032	0.880650998280686
UVM	MTA1	cg21517792	0.0703237482303316	80	0.622624007363157	0.535347706920307	0.00494542956516307	0.711755412833877
UVM	MTA1	cg23123838	-0.0790468587013557	80	-0.700314305773456	0.485814721303979	0.00624840587055209	0.672385966928581
UVM	MTA1	cg23883989	0.0654522479843022	80	0.579300795544129	0.564055593185335	0.00428399676619859	0.733818432634747
UVM	MTA1	cg23966123	0.0142108128571806	80	0.125519175633859	0.900435504757683	0.000201947202061809	0.947446095938529
UVM	MTA2	cg00501779	-0.380280371439359	80	-3.63136521222499	0.000502360679355645	0.144613160902057	0.00376281982378134
UVM	MTA2	cg07654871	0.075005619453477	80	0.664302962288827	0.508455514979309	0.0056258429495998	0.69097368036161
UVM	MTA2	cg09086761	-0.196420341172143	80	-1.76920191548764	0.0807690439865123	0.0385809504261811	0.204372119987519
UVM	MTA2	cg13708959	-0.0834964022067392	80	-0.740004294281526	0.461518959452603	0.00697164918146955	0.651096348251923
UVM	MTA2	cg19570317	-0.037406426403732	80	-0.330595985511586	0.741836074463925	0.00139924073629781	0.854740892456035
UVM	MTA2	cg21002970	-0.071385025604895	80	-0.632067985403594	0.529190794216607	0.00509582188061152	0.707441927478649
UVM	MTF2	cg05396182	-0.281701074482396	80	-2.59292420721493	0.0113593276761006	0.0793554953645361	0.0470973478246853
UVM	MTF2	cg05962718	-0.342092480784617	80	-3.21526803715812	0.00189705470014221	0.117027265409374	0.0113934589163023
UVM	MTF2	cg09936581	0.282999460273785	80	2.60591310822461	0.0109712289737692	0.0800886945152536	0.0458233478478364
UVM	MTF2	cg11404133	-0.126711565351139	80	-1.12817981958918	0.262702215087574	0.0160558207937361	0.458138811884028
UVM	MTF2	cg14474880	-0.341660877093885	80	-3.21067497162936	0.00192399725596529	0.116732154936562	0.0115232460182126
UVM	MTF2	cg15463775	-0.358352241009784	80	-3.39002486293225	0.00109900069163967	0.128416328636734	0.00725831223409596
UVM	MTF2	cg16813892	0.203729253141813	80	1.83783241192914	0.0698947729724713	0.041505608585721	0.184174845666783
UVM	MTF2	cg19708337	0.126649916895387	80	1.12762198088752	0.262936382335219	0.0160402014496084	0.458304201639153
UVM	MTF2	cg22801127	-0.214094843052352	80	-1.93571819084526	0.0565258453319324	0.0458366018216114	0.15765500526463
UVM	MTF2	cg23992808	-0.320238557757369	80	-2.9854957211172	0.00378073599485573	0.10255273387452	0.019844718708846
UVM	MTF2	cg26054395	-0.211715927623562	80	-1.91319417082779	0.0593929385040476	0.0448236340095052	0.163467690004737
UVM	NAP1L2	cg02379437	-0.13687441749006	80	-1.22032734722864	0.226017390014016	0.0187346061632431	0.415433249190774
UVM	NAP1L2	cg04297329	-0.0729141913387667	80	-0.645679359486167	0.520382026018964	0.00531647929858628	0.700694201947504
UVM	NAP1L2	cg07693661	-0.0706473060279133	79	-0.621480451950026	0.536119208005387	0.00499104184900163	0.712346344882143

UVM	NAP1L2	cg20001978	-0.0843779030797547	80	-0.747872505935524	0.456785988835303	0.00711963052813648	0.647059419779555
UVM	NAP1L2	cg23483095	-0.0702888439286015	80	-0.622313441082731	0.535550800991264	0.0049405215808193	0.711914135065691
UVM	NCOA1	cg11380327	-0.164142945925238	80	-1.46960412896712	0.145691096976676	0.0269429066970157	0.309618455941746
UVM	NCOA1	cg13911252	-0.11909206759866	80	-1.05933169761337	0.292718196551594	0.0141829205649239	0.490408490072827
UVM	NCOA1	cg15477048	-0.00527401799904692	80	-0.046579513587573	0.96296741350938	2.78152658542709e-05	0.980550489719862
UVM	NCOA1	cg23006163	-0.109888255721043	80	-0.976420047378016	0.331874984260863	0.0120754287454134	0.531597340784254
UVM	NCOA3	cg04175879	-0.342052694186528	80	-3.21484453743839	0.0018995240565732	0.117000045600262	0.0114050242609905
UVM	NCOA3	cg09568061	-0.133410922783841	80	-1.18888100221002	0.238093393666908	0.0177984743180361	0.429698452848634
UVM	NCOA3	cg12128876	0.225325128709114	80	2.04254448933261	0.0444763883122121	0.0507714136277789	0.132424837429586
UVM	NCOA3	cg14341558	-0.104050167225059	80	-0.923961411348355	0.358355979947357	0.0108264372995627	0.557324825653719
UVM	NCOA3	cg14774045	0.146191926982436	80	1.30515439731822	0.195677377077296	0.021372079514838	0.377509343724138
UVM	NCOA3	cg18295930	-0.0614652339921889	80	-0.54387459270031	0.588079027433097	0.00377797498971454	0.751736783906213
UVM	NCOA3	cg21735648	-0.02530889244563	80	-0.223593707703298	0.823658038528985	0.000640540036824466	0.905088185945566
UVM	NCOA3	cg22511723	-0.1350927816125	80	-1.20414560153246	0.23217468474838	0.0182500596438026	0.422784986899077
UVM	NCOA3	cg22876277	0.00971468837412359	80	0.085801853488949	0.931843798985651	9.4375170206332e-05	0.963846465254945
UVM	NCOA3	cg24856420	0.154380684507599	80	1.37999747135813	0.171530223334776	0.0238333957490347	0.345700149082156
UVM	NCOA3	cg25373408	-0.0116232488988076	80	-0.102660689723539	0.91849575015536	0.000135099914963633	0.956987321872177
UVM	NCOR1	cg00253204	0.0337641844950341	80	0.298367324187376	0.76621621485531	0.0011400201546147	0.870378001594741
UVM	NCOR1	cg08125503	0.118748649826418	80	1.05623321858081	0.294122183956805	0.0141012418355973	0.49189399730707
UVM	NCOR1	cg08206308	0.19355194919107	80	1.74235236497101	0.0853883115372121	0.0374623570356626	0.212722771433612
UVM	NCOR1	cg21211144	0.332399770154655	80	3.11266586368862	0.00259159221235191	0.110489607198868	0.0146444631777224
UVM	NCOR1	cg22291359	0.162624646337464	80	1.45563944865556	0.149505521202029	0.0264467755963852	0.3149798921162
UVM	NCOR1	cg22625220	0.135480413279975	80	1.20766525582301	0.230825201785743	0.0183549423825128	0.4212446220259
UVM	NCOR2	cg08976554	-0.280088250921031	80	-2.57681124133798	0.0118580149619572	0.0784494283040027	0.048716756165553
UVM	NCOR2	cg10641483	-0.0841874882524836	80	-0.746172728167767	0.457806096928763	0.00708753317826207	0.647921509505159
UVM	NCOR2	cg13416396	-0.0343386749906119	80	-0.303449924423561	0.762354934684	0.00117914460011087	0.867868177663415
UVM	NCOR2	cg13419087	-0.106814198744566	80	-0.948785463457867	0.34566015706779	0.0114092730534436	0.544949076436561
UVM	NCOR2	cg13857025	-0.00890573729867383	80	-0.0786564614288765	0.937507316322856	7.93121568329903e-05	0.966581548572908
UVM	NCOR2	cg16181859	0.00696367956491466	80	0.0615030439135605	0.951115912845151	4.84928330828101e-05	0.974102246315845
UVM	NCOR2	cg19895345	-0.16790771162794	80	-1.50427740606038	0.136548543649866	0.0281929996241316	0.296085442057521
UVM	NCOR2	cg23611643	-0.100402380642219	80	-0.891233294598913	0.375545016321562	0.0100806380386251	0.574095560921213
UVM	NCOR2	cg24626542	0.116154378267292	80	1.03283880095309	0.3048711618768	0.0134918395906612	0.503389224000579
UVM	NCOR2	cg25113767	-0.212245199080915	80	-1.91820231609905	0.058745030831679	0.0450480245328974	0.162128291098304
UVM	NCOR2	cg25449924	0.0904474210709888	80	0.802097605825343	0.424933527517798	0.00818073597839276	0.619814069872357
UVM	ORC1	cg00298020	-0.160469359669959	80	-1.43583424227454	0.155047901245135	0.0257504153928866	0.3228177898422
UVM	ORC1	cg02275620	-0.0849970293297006	80	-0.753399837206162	0.453477820591781	0.00722449499487398	0.643815194362935
UVM	ORC1	cg04407474	0.0235013978437426	80	0.20761606850645	0.836069866026683	0.000552315700609867	0.912231856795744
UVM	ORC1	cg07142859	-0.192192627622715	80	-1.72964471272737	0.0876493005546293	0.0369380061125236	0.216779731905221
UVM	ORC1	cg08613513	0.0482689354045866	80	0.426797179973503	0.670702789744561	0.00232989012509216	0.809208554237496
UVM	ORC1	cg10586599	0.187760559838426	80	1.68828276061475	0.0953515746532625	0.0352540278308393	0.230172462306833
UVM	ORC1	cg13460942	-0.1117174115235	80	-0.992876856132895	0.323840137116398	0.0124807800375111	0.523196818745901
UVM	ORC1	cg16136434	-0.0396271899243963	80	-0.350252976870502	0.727092923782013	0.00157031418130417	0.845555974477881
UVM	ORC1	cg16965475	-0.29627709567231	80	-2.73965333997429	0.00761967498811524	0.087780117420019	0.0346281689464562
UVM	ORC1	cg17146111	-0.306269343249574	80	-2.84144345446753	0.00572774188986511	0.0938009106145252	0.0276382553392982
UVM	ORC1	cg19776520	-0.125413873788671	80	-1.116440184087	0.267661231395884	0.0157286397386806	0.463379869930821
UVM	ORC1	cg21197365	-0.0216358426631924	80	-0.1911273280561	0.848922466366129	0.000468109687746416	0.919420426650447
UVM	ORC1	cg23606758	0.106783151114079	80	0.948506499061582	0.345801185761136	0.0114026413618522	0.54504533278835
UVM	ORC1	cg25605769	-0.0110241103898936	80	-0.0973682235365833	0.922683742773434	0.000121531009888559	0.959360441895668
UVM	PADI1	cg14524955	-0.0649220174130939	80	-0.574587917613355	0.567223573486058	0.00421486834498607	0.735954548731941
UVM	PADI1	cg21010178	-0.0163299885728717	80	-0.144241787680319	0.885681579411673	0.000266668526790121	0.939429776808552
UVM	PADI1	cg22193702	-0.153693083287662	80	-1.3737020139097	0.173469479022291	0.0236215638504683	0.348434925150017
UVM	PADI2	cg00569276	-0.00055759448238745	80	-0.0049245418943784	0.996083373223295	3.10911606788929e-07	0.998084828776282
UVM	PADI2	cg01603374	-0.213076210290789	80	-1.92606919353653	0.0577393697999073	0.0454014713918845	0.16005475107661
UVM	PADI2	cg07014827	-0.295343825137163	80	-2.73019732053856	0.00782169338788141	0.0872279750466509	0.0353168137172021
UVM	PADI2	cg09313801	-0.0641986690821186	80	-0.56815932770247	0.571558809468141	0.00412146911191537	0.739388153913871
UVM	PADI2	cg10233913	-0.276790165853412	80	-2.54393512172483	0.0129373498484856	0.0766127959131593	0.0521475748245125
UVM	PADI2	cg15185794	-0.270451353181001	80	-2.48102026656883	0.0152528042904049	0.0731439344374343	0.0591690763422636

UVM	PADI2	cg17183414	-0.216368632890946	80	-1.95728059525901	0.0538920295559408	0.0468153852990969	0.152409355361163
UVM	PADI2	cg18228326	-0.0621259824673412	80	-0.549743752250668	0.584065836272389	0.00385963769753239	0.7487816230282
UVM	PADI2	cg18879300	-0.0476579424594863	80	-0.421382361771766	0.674634866755389	0.0022712794794717	0.811882877099899
UVM	PADI2	cg19282714	-0.00408130113725182	80	-0.036045375873185	0.971338266892019	1.6657018972933e-05	0.984832616698721
UVM	PADI3	cg01459162	-0.275803563310563	80	-2.53411941943251	0.0132763555672361	0.0760676055348038	0.0531778810110991
UVM	PADI3	cg12858514	-0.0930013863316464	80	-0.824941317143655	0.411920681745139	0.00864925785960815	0.607579491025773
UVM	PADI3	cg14664242	-0.241063614134097	80	-2.19371020639668	0.0312339336756129	0.0581116660593927	0.10172538877839
UVM	PADI3	cg17589397	0.0371038634369958	80	0.327918248816179	0.743852070359968	0.00137669668195123	0.856112732998733
UVM	PADI3	cg18768338	-0.186136355414583	80	-1.67315191298158	0.0983037360526176	0.0346467428070241	0.235182853352933
UVM	PADI3	cg21966975	-0.317960395640372	80	-2.96185881693684	0.00405111003044092	0.101098813195782	0.0209514727900625
UVM	PADI4	cg16091981	0.0260391738472851	80	0.230049761106782	0.818655352923189	0.000678038574649136	0.90243261527669
UVM	PADI4	cg18333690	-0.0431798478033645	80	-0.381710105172269	0.703714310480836	0.00186449925632172	0.830749811368268
UVM	PADI4	cg19159961	-0.0155425713941603	80	-0.137284856858764	0.891159398872466	0.000241571525542571	0.942418343236566
UVM	PADI4	cg21295838	0.106131490117906	80	0.9426519412004	0.348769540764095	0.0112638931946473	0.547903425973384
UVM	PADI4	cg23228178	0.112031157631769	80	0.995700633532269	0.322474552070627	0.0125509802803142	0.521859148393485
UVM	PADI4	cg26918754	0.0328976245872101	80	0.290701302289345	0.772051319877738	0.00108225370348101	0.873597974780448
UVM	PADI6	cg12643633	-0.048645435037296	80	-0.430134080913202	0.668284194812479	0.00236637834996779	0.807651089812676
UVM	PADI6	cg16017904	-0.0667195090997675	80	-0.590566667232399	0.556518097162386	0.00445149289451396	0.727889031317677
UVM	PARP1	cg00653565	-0.12772017572085	80	-1.13730832943009	0.258891129429693	0.0163124432861648	0.453586439009957
UVM	PARP1	cg02088626	0.0394081313462937	80	0.348313763108518	0.728542908282875	0.00155300081620673	0.846555796168222
UVM	PARP1	cg03149313	0.0813819701599326	80	0.721138124410772	0.472980524941119	0.00662302506711215	0.661032408552709
UVM	PARP1	cg04960271	0.310669378018861	80	2.88659188991815	0.00503575084701134	0.096515462438626	0.0249205598850127
UVM	PARP1	cg07113065	0.0320633998534348	80	0.283321953728962	0.777680664331379	0.00102806161016124	0.877037004406942
UVM	PARP1	cg17661881	0.0625857287435982	80	0.553827918768997	0.581280870940152	0.00391697344236725	0.746811185181387
UVM	PARP1	cg25722198	-0.144116422141301	80	-1.28622905764703	0.202168046487032	0.0207695431308098	0.385656580476501
UVM	PARP1	cg26464410	0.0262332430211165	80	0.231765491376028	0.817327118489582	0.000688183039404956	0.901799053367446
UVM	PARP2	cg01813761	0.0379992834061097	80	0.335843413128982	0.737890875680016	0.00144394553937784	0.852429913168073
UVM	PARP2	cg10910545	-0.117312146890595	80	-1.04327655752227	0.300042934566233	0.0137621398080806	0.498314298406215
UVM	PARP2	cg15078479	-0.216880767131661	80	-1.96214177162995	0.0533128844760091	0.0470372671516177	0.151172682155154
UVM	PARP2	cg15365367	-0.298685533184723	80	-2.76409578849272	0.00711937943840545	0.0892130477338422	0.0328360113850308
UVM	PARP2	cg18899035	0.036199716934803	79	0.317859559893591	0.751451892932296	0.00131041950615986	0.860808435595787
UVM	PARP2	cg19540080	0.162850665558536	80	1.45771760268334	0.148933007142204	0.0265203392728582	0.3142247330663
UVM	PARP2	cg24595957	-0.100417699999156	80	-0.891370663720355	0.375471800753492	0.0100837144731205	0.574040037493458
UVM	PARP2	cg26206608	-0.172713685875229	80	-1.5486388043703	0.125516658152017	0.0298300172886072	0.279215432909497
UVM	PARP2	cg26430074	0.100453854193993	80	0.891694861981628	0.375299043846946	0.0100909768224281	0.573970083894512
UVM	PAXIP1	cg02824291	-0.270331294600445	80	-2.47983204004191	0.0152999057185043	0.0730790088403527	0.0593103879542217
UVM	PAXIP1	cg12220104	-0.0346738594524275	80	-0.306415488469068	0.760104753955487	0.0012022765293267	0.866510510097411
UVM	PAXIP1	cg22583711	-0.159623004076271	80	-1.42806275421634	0.157265665523702	0.0254795034303333	0.32594443842009
UVM	PAXIP1	cg24448952	-0.329367631487252	80	-3.08079933977895	0.00285151517193714	0.108483036671522	0.0158100471303313
UVM	PAXIP1	cg24452135	0.196518924173985	80	1.77012553559297	0.0806138951442519	0.0386196875585004	0.204109922175815
UVM	PCGF1	cg03203239	0.219253695856054	80	1.98468786938811	0.0506956199177687	0.048072183146539	0.145781061467597
UVM	PCGF1	cg08092637	0.165105688658159	80	1.47846458520518	0.143310537568552	0.0272598884272848	0.306163120085041
UVM	PCGF1	cg27306986	-0.0938671852107594	80	-0.832689081380325	0.407562480856355	0.00881104845939101	0.60376119959895
UVM	PCGF2	cg09395368	-0.0724542271932482	80	-0.641584660522203	0.523023837704276	0.00524961503817082	0.702578999627156
UVM	PCGF2	cg17902383	-0.246739176134625	80	-2.24866581648495	0.0273557845408067	0.0608802210395935	0.0921661283052192
UVM	PCGF2	cg20228512	-0.0633496804360249	80	-0.560615285061091	0.576666668215497	0.00401318201134647	0.743301302103529
UVM	PCGF2	cg25377665	-0.0540540476706774	80	-0.478091387109312	0.633922399387072	0.00292184006958387	0.78445199532208
UVM	PCGF5	cg03905463	-0.0361816533290215	80	-0.319757077413678	0.75000739081692	0.00130911203762149	0.859978111623552
UVM	PCGF5	cg06001881	0.0141092061427927	80	0.124621539470367	0.901143790512346	0.00019906969797982	0.947878637482339
UVM	PCGF5	cg07421809	0.122983606509057	80	1.09447025260661	0.277117065846901	0.0151249674699746	0.47387253354219
UVM	PCGF5	cg07424295	0.241869304532672	80	2.20149686024552	0.0306567172940532	0.0585007604751185	0.100286306932996
UVM	PCGF5	cg08633154	0.0209222672300141	80	0.18482091725588	0.853849214234488	0.00043774126604412	0.922073707934115
UVM	PCGF5	cg11113644	-0.0782915897717551	80	-0.693581545474356	0.490005006150223	0.00612957302898879	0.675965775086738
UVM	PCGF5	cg12783297	-0.0421677718805731	80	-0.372747219788099	0.71034756566124	0.00177812098537205	0.834995386106653
UVM	PCGF5	cg15550435	-0.0433815179393475	80	-0.383496223928696	0.702395161280038	0.00188195609872193	0.829708750423178
UVM	PCGF5	cg17001035	0.218809028811743	80	1.98046011693581	0.051177870895529	0.0478773910895381	0.146755548986206
UVM	PCGF5	cg20515900	0.0973194858815396	80	0.863601778126158	0.390454531770692	0.00947108233224718	0.587797427133857

UVM	PCGF5	cg22968329	-0.135278689705234	80	-1.20583355684355	0.231526789209101	0.0183003238883651	0.422003792708404
UVM	PCGF5	cg23395902	-0.101462062180865	80	-0.900737005361133	0.370500900678106	0.0102945500619937	0.569169570840296
UVM	PCGF5	cg25390656	0.0118166623693509	80	0.104369223259094	0.917144253086894	0.000139633509551232	0.956270791500474
UVM	PCGF6	cg01917164	0.138114995133451	80	1.23160203736426	0.221798053803326	0.0190757518807131	0.410266015112251
UVM	PCGF6	cg06691148	0.113324684728684	80	1.00734582926	0.316883421037771	0.0128424841688557	0.516123963239586
UVM	PCGF6	cg11612727	-0.0250873002640791	80	-0.22163479312836	0.825177423650985	0.000629372634540061	0.906052963945021
UVM	PCGF6	cg11814370	-0.11710527672624	80	-1.04141122339937	0.300901953387743	0.0137136458371293	0.499240030750854
UVM	PCGF6	cg14409890	0.0908604042294628	80	0.805790402586018	0.422813497935109	0.00825561305674139	0.617870822924089
UVM	PCGF6	cg16113748	0.190681170615295	80	1.71552695234789	0.0902186655179301	0.0363593088272191	0.221179593637396
UVM	PCGF6	cg16382383	0.016568489780304	80	0.14634902852568	0.884023444203195	0.000274514853600037	0.938529939111623
UVM	PCGF6	cg24418712	0.0521903116730864	79	0.45859311671112	0.647818174091358	0.0027238286325339	0.793656073879323
UVM	PCGF6	cg25481680	-0.105462945499022	80	-0.936646976479905	0.351831244024365	0.0111224328733298	0.550686045468613
UVM	PCGF6	cg26155979	-0.0676137870241578	80	-0.598518466210035	0.551228203385267	0.00457162419574816	0.72370214422914
UVM	PCGF6	cg27217148	0.073123271606405	80	0.647540773410441	0.519183403606722	0.00534701285042407	0.699831124706415
UVM	PHC1	cg02770112	-0.0851120518603384	80	-0.754426812647398	0.452864686044583	0.00724406137187693	0.64328516572604
UVM	PHC1	cg08021945	-0.249917852416222	80	-2.27955162179047	0.0253675680606527	0.0624589329563366	0.0871470342111024
UVM	PHC1	cg08867249	-0.246027188248828	80	-2.24175838316027	0.027818754698588	0.0605293773576243	0.0933177613307729
UVM	PHC1	cg09059548	-0.207874106688902	80	-1.87689404602512	0.0642720726131304	0.0432116442317089	0.173123562787503
UVM	PHC1	cg09912793	-0.25674790003667	80	-2.34618387127248	0.0215070112793088	0.0659194841732396	0.0770098699927529
UVM	PHC1	cg12581035	0.0523111996974625	80	0.462633429300226	0.644915191343666	0.0027364616137878	0.791782911359591
UVM	PHC1	cg141199415	-0.0836694020688691	80	-0.741548339694484	0.460587972497306	0.00700056884256208	0.650313636292704
UVM	PHC2	cg06899053	-0.243672881730385	80	-2.21894522744297	0.0293970846881577	0.0593764732907903	0.0972257136025638
UVM	PHC2	cg13640100	-0.227486049651381	80	-2.06319664322104	0.0424211722221224	0.0517499027859905	0.127807314660462
UVM	PHC2	cg15586632	0.0810121691234415	80	0.717839562910285	0.475000743050221	0.00656297154608508	0.662815623105673
UVM	PHC2	cg16558908	-0.244985604973849	80	-2.23166029646147	0.0285079674553689	0.060017946644403	0.0950395894674508
UVM	PHC2	cg17161743	-0.37914780766852	80	-3.61873127854924	0.00052379749786413	0.143753060059845	0.00389861294956392
UVM	PHC2	cg19746874	0.447807077521188	80	4.42320928895047	3.11299831564202e-05	0.200531178678067	0.000351943890375026
UVM	PHC2	cg21198021	0.143341154126227	80	1.27916429441746	0.204631559215345	0.0205466864662389	0.388773475898076
UVM	PHC2	cg21578869	-0.0752266363252748	80	-0.666271568527398	0.507203415078797	0.00565904681281515	0.689999273076852
UVM	PHC2	cg23886755	-0.0675518430337217	80	-0.597967622093089	0.551593835774629	0.00456325149725258	0.723974470824711
UVM	PHF1	cg01097444	-0.125125485415662	80	-1.11383205635529	0.2687717951741	0.0156563871005051	0.464599436356188
UVM	PHF1	cg02776641	-0.216501197993031	80	-1.95853873993379	0.0537416271023048	0.0468727687324178	0.152105658837106
UVM	PHF1	cg03560363	0.015289973499457	80	0.135053177110471	0.892917737162114	0.000233783289614096	0.943222019714917
UVM	PHF1	cg03876174	-0.231822376282807	80	-2.10473674879337	0.0385341796153228	0.0537416141454073	0.119094512295675
UVM	PHF1	cg06618123	0.167109849686773	80	1.49692354592317	0.138448909646484	0.027925701862336	0.298914700184242
UVM	PHF1	cg06919790	-0.0140052084157558	80	-0.123702784100658	0.90186882360228	0.000196145862768756	0.948159133781769
UVM	PHF1	cg07857404	-0.314328418262426	80	-2.92429326666621	0.0045178402923176	0.0988023545273586	0.0228592434276784
UVM	PHF1	cg08665801	-0.141546836603094	80	-1.26282246475912	0.210415166254782	0.020035506952343	0.396081369597376
UVM	PHF1	cg08798692	-0.0980200369493246	80	-0.869878477248178	0.38703592545878	0.00960792764354697	0.584971591481423
UVM	PHF1	cg10033570	0.173259157708987	80	1.55368090156692	0.12430889424289	0.0300187357300277	0.277358225587078
UVM	PHF1	cg10797813	-0.2469520615764	80	-2.25073190171186	0.0272186282029753	0.060985320716834	0.0918074038511213
UVM	PHF1	cg13303256	0.161860425960197	80	1.44861449692594	0.151453515103545	0.0261987974920164	0.317775838227613
UVM	PHF1	cg13528777	-0.100428813211662	80	-0.89147031662253	0.375418692958514	0.0100859465231028	0.574040037493458
UVM	PHF1	cg13547657	0.0758184725750176	80	0.671543565101697	0.503858395016056	0.0057484407836087	0.687151096223535
UVM	PHF1	cg18443095	0.0698043406746275	80	0.618002737157742	0.538373855769298	0.00487264597701945	0.714046713283689
UVM	PHF1	cg20135607	-0.0727444543834404	80	-0.64416827681348	0.521356127273635	0.00529175564354445	0.701398678169048
UVM	PHF1	cg20872639	0.0649274028497106	80	0.574635782826021	0.567191355026084	0.00421556764080861	0.735928820202799
UVM	PHF1	cg23345642	0.0525747258126031	80	0.464970463512512	0.643248065631142	0.00276410179427039	0.790624049577421
UVM	PHF1	cg23718418	-0.130051325384879	80	-1.15842036554081	0.250227065836077	0.0169133472343637	0.443865477007747
UVM	PHF1	cg24796663	0.190488194608114	80	1.71372537440632	0.0905509452161702	0.0362857522850587	0.22174264140477
UVM	PHF1	cg26673053	0.0595798440268258	80	0.527131360992204	0.5995984642322	0.00354975781426089	0.759779827121654
UVM	PHF10	cg04353997	-0.0718156064355219	80	-0.635900204030564	0.526702928079923	0.00515748132770177	0.705383686597052
UVM	PHF10	cg05243705	-0.316011741641412	80	-2.94168601255445	0.00429589265058053	0.0998634208552383	0.02198793821036
UVM	PHF10	cg05736120	-0.206058144829386	80	-1.85976733291032	0.0666887143285592	0.0424599590505284	0.1778960272426
UVM	PHF10	cg07652237	-0.0740800007369391	80	-0.656059504992058	0.513716523531824	0.0054878465091849	0.695320099910085
UVM	PHF10	cg11442717	-0.086249857274701	80	-0.764587319951632	0.446824336524818	0.0074390378799063	0.638525793180501
UVM	PHF10	cg15342139	0.0953522505460439	80	0.845982916747496	0.400150149094846	0.00909205168419553	0.596712545460675

UVM	PHF10	cg15360169	-0.481459827051854	80	-4.85144612761688	6.15035268803853e-06	0.231803565064802	8.53479373908793e-05
UVM	PHF10	cg16740543	0.0848166714344533	80	0.75178957786142	0.454440153384994	0.00719386775322001	0.644719894154035
UVM	PHF10	cg27124293	-0.453327112668742	80	-4.4917289384892	2.41368839567661e-05	0.205505471080578	0.000282064706404185
UVM	PHF11	cg00092518	-0.235612136096801	80	-2.14114946054416	0.0353845928317456	0.0555130786760973	0.111727520237778
UVM	PHF11	cg01214340	-0.288193067164451	80	-2.65802612320234	0.00953201417645333	0.0830552439616538	0.041023097523955
UVM	PHF11	cg02289189	0.0121258518019833	80	0.107100497534578	0.914984248439486	0.000147036281923662	0.955064921876516
UVM	PHF11	cg05080330	-0.0933296816978867	80	-0.8278789068495	0.410264949240596	0.00871042948582885	0.606149983747082
UVM	PHF11	cg09997676	-0.274939373912378	80	-2.52552872826017	0.013579598597821	0.0755916593273304	0.05411111147527987
UVM	PHF11	cg16956501	-0.341784370942602	80	-3.21198894063299	0.0019162532708759	0.11681655622063	0.011487724898089
UVM	PHF11	cg21320768	-0.185281831918802	80	-1.66519701242324	0.0998854032080115	0.0343293572391871	0.238058127285876
UVM	PHF11	cg23137039	-0.0346124626681878	80	-0.305872269130013	0.760516778298844	0.00119802257195669	0.866752256127108
UVM	PHF11	cg24481868	-0.318307727758397	80	-2.96545883258688	0.00400880736471641	0.101319809550714	0.0207782770424911
UVM	PHF11	cg24984523	-0.193423973580163	80	-1.74115553854949	0.0855991844392988	0.037412833555394	0.213105310900148
UVM	PHF11	cg25162948	-0.261936941408535	80	-2.39705772191236	0.018920083945286	0.0686109612744581	0.0697527845915074
UVM	PHF12	cg01406758	-0.141367197632827	80	-1.26118709692132	0.21100051812507	0.0199846845665589	0.39685156198979
UVM	PHF12	cg02058367	0.0222441886367996	80	0.196503976190625	0.844726812820218	0.000494803928109526	0.917034296351327
UVM	PHF12	cg06895197	-0.00250132545890435	80	-0.0220911774101603	0.98243164017522	6.25662905136305e-06	0.99086013440589
UVM	PHF12	cg08657247	0.0905682259402711	80	0.803177770853009	0.424312752135785	0.00820260354996799	0.619247467210417
UVM	PHF12	cg08806622	-0.00559736083886027	80	-0.0494353268329052	0.960698745673263	3.13304483604066e-05	0.9793814470044
UVM	PHF12	cg13564075	-0.2172684415263	80	-1.96582270586328	0.0528778825291146	0.0472055756832674	0.150256857707928
UVM	PHF14	cg06715026	-0.0236295184321513	80	-0.208748542122928	0.835188721681368	0.000558354141335379	0.911743585844915
UVM	PHF14	cg07287563	-0.0460660649407056	80	-0.407276836601493	0.684920250894	0.0021220823391213	0.818675649899328
UVM	PHF14	cg07574654	0.0506039489051971	80	0.447495306860247	0.655757782161932	0.00256075964479979	0.799267084033237
UVM	PHF14	cg11931558	0.00642981874815589	80	0.0567877954863578	0.954859457011105	4.1342569134137e-05	0.975986961471727
UVM	PHF14	cg13029706	0.116643244866603	80	1.03724560963401	0.3028263151427	0.0136056465730102	0.501171560230847
UVM	PHF14	cg16800461	-0.183788501844514	80	-1.65130473437775	0.102697160194469	0.033778213410251	0.242759735040064
UVM	PHF14	cg20819769	-0.0723261137703715	80	-0.640444240884968	0.523760859589663	0.00523106673312472	0.702980492243374
UVM	PHF14	cg20964328	-0.217979717037375	80	-1.97257874471369	0.0520873386481624	0.0475151570396943	0.148641293107575
UVM	PHF14	cg22876561	-0.0816659884405118	80	-0.723671721998364	0.471432090826349	0.0066693366796581	0.65968608255828
UVM	PHF14	cg23083824	-0.200015195573832	80	-1.80291831658822	0.0752632852575564	0.0400060784604384	0.194390173085204
UVM	PHF14	cg24491907	-0.00373802941939902	80	-0.0330136125915946	0.973748067068343	1.39728639402925e-05	0.986273951638083
UVM	PHF19	cg11054680	-0.142039295466039	80	-1.26730628448813	0.208816405271686	0.0201751614564887	0.394029724008673
UVM	PHF19	cg11594303	0.0504224006810851	80	0.445885759950241	0.656915024626558	0.0025424184904439	0.800151052574035
UVM	PHF19	cg13501527	0.02618026818467	80	0.231297147888013	0.817689634227748	0.000685406442221246	0.90194319062364
UVM	PHF19	cg13793166	-0.182629662804773	80	-1.64053234816117	0.104921353578858	0.0333535937361851	0.24651923226559
UVM	PHF19	cg13851767	0.163399630041657	80	1.46276608829528	0.147549298286404	0.0266994390977504	0.312296289236634
UVM	PHF19	cg13852822	0.240683377294033	80	2.1900370534726	0.0315095047145625	0.057928488105662	0.102421360036965
UVM	PHF19	cg14218513	-0.0771046739168704	80	-0.683003340348633	0.496628430593347	0.00594513073982691	0.681273867113991
UVM	PHF19	cg27207079	0.159692389614686	80	1.42869975094517	0.157082967446687	0.0255016593008488	0.325765418254093
UVM	PHF20	cg01512265	-0.0925325432154405	80	-0.820746575304957	0.414291982137004	0.00856227155391736	0.609863009411434
UVM	PHF20	cg02674305	-0.00383352565456593	80	-0.0338570306370622	0.973077649877393	1.46959189442152e-05	0.985834020408598
UVM	PHF20	cg02957488	-0.00333038293197947	80	-0.0294133087671235	0.976610087773743	1.10914504736201e-05	0.987654176945534
UVM	PHF20	cg04179482	-0.0504186869570764	80	-0.44585283575633	0.656938705445141	0.00254204399447566	0.800152015825612
UVM	PHF20	cg09692677	-0.0344198424540177	80	-0.304168048837688	0.761809854757812	0.0011847255545594	0.867615849635165
UVM	PHF20	cg10372813	-0.265288769352772	80	-2.43003763966053	0.017394903645852	0.0703781311447084	0.0654045014125378
UVM	PHF20	cg21765224	-0.00133561537320803	80	-0.011795846106688	0.990618613522786	1.78386842514963e-06	0.994915753316528
UVM	PHF20	cg23538717	0.205121954877453	80	1.85094578408039	0.0679629413249793	0.0420750163727479	0.180459726173645
UVM	PHF20	cg23734815	-0.106111647656887	80	-0.942473694762903	0.348860172665315	0.0112596817684592	0.547966571249008
UVM	PHF20	cg25561939	0.241096996269219	80	2.19403273471439	0.0312098375941987	0.0581277616100396	0.101663935424298
UVM	PHF20	cg27405321	-0.0212637227386247	80	-0.187838584379973	0.851490989130286	0.000452145904705107	0.920824197317084
UVM	PHF20L1	cg02898212	0.361137607128518	80	3.42030896620241	0.000997982781843888	0.130420371282512	0.00670514309106876
UVM	PHF20L1	cg05307234	-0.163706414929493	80	-1.46558800621638	0.146780231360221	0.0267997902890673	0.3111947624449633
UVM	PHF20L1	cg10591701	-0.440048677431844	80	-4.32797055780895	4.41870798937618e-05	0.193642838509515	0.000476899236023211
UVM	PHF20L1	cg17646969	-0.0310244314132893	80	-0.274132319298873	0.784707620651987	0.000962515344517892	0.881074244472231
UVM	PHF20L1	cg24511731	-0.100270105685157	80	-0.890047207815277	0.376177555600588	0.0100540940941126	0.574701140205262
UVM	PHF20L1	cg26292018	0.13511415014517	80	1.20433961085214	0.232100150619477	0.0182558335694516	0.422708629691948
UVM	PHF20L1	cg27342122	0.143227962727872	80	1.27813301980053	0.2049930225945	0.0205142493071765	0.389203572990593

UVM	PHF21B	cg01775414	-0.0638338063614104	80	-0.564917037039173	0.573751384499694	0.00407475483458604	0.741053862724663
UVM	PHF21B	cg01995480	-0.0568121338599231	80	-0.502562876679952	0.616687623790845	0.00322761855371782	0.772264206000853
UVM	PHF21B	cg05064352	-0.105834611063629	80	-0.939985171399252	0.350127089652043	0.0112009648989896	0.549137856341425
UVM	PHF21B	cg10080155	-0.119852952054779	80	-1.06619813586294	0.289623232564668	0.014364730116245	0.487103010574765
UVM	PHF21B	cg11428482	-0.0440837449954171	80	-0.389715960485164	0.697808685301177	0.00194337657282096	0.826728359955793
UVM	PHF21B	cg14786713	0.137950947602995	80	1.23011079321714	0.222352799688211	0.0190304639445643	0.410940386737574
UVM	PHF21B	cg15679813	0.0307040186279006	80	0.271298461827195	0.786878205161642	0.000942736759902464	0.88256504062943
UVM	PHF21B	cg20495645	-0.0163008248570086	80	-0.143984117837994	0.885884368544659	0.000265716891018869	0.939518082566
UVM	PHF21B	cg20525183	0.00824708735638357	80	0.0728387804622067	0.942120869830049	6.80144498638217e-05	0.969180277532448
UVM	PHF21B	cg21715212	0.119239157596007	80	1.06065893166337	0.292118203696507	0.0142179767042055	0.489867880355664
UVM	PHF21B	cg23080354	0.00356235513321894	80	0.0314620682908667	0.974981409571226	1.26903740951713e-05	0.986832077714679
UVM	PHF21B	cg25561581	-0.220414711930561	80	-1.99573257287874	0.0494540473043875	0.048582645235432	0.143168657189548
UVM	PHF21B	cg25976257	-0.054436661383312	80	-0.481485510068286	0.631519571777347	0.00296335010256137	0.782636381355789
UVM	PHF23	cg00039960	-0.0755926785412479	80	-0.669532138742929	0.505133219701861	0.00571425304904044	0.68831782301111
UVM	PHF23	cg01441172	-0.0318791465486484	80	-0.281692174385448	0.778925560436014	0.0010162799846702	0.877741106792967
UVM	PHF23	cg04379155	-0.0585439256392204	80	-0.517934294980207	0.605970101626216	0.00342739122925057	0.764479081569633
UVM	PHF23	cg11180288	0.250079971606027	80	2.28112895858944	0.0252695405245017	0.0625399921984713	0.0869139020056186
UVM	PHF23	cg13351208	0.107187730319322	80	0.952141882254715	0.343966270563987	0.0114892095310078	0.54326118061848
UVM	PHF23	cg22033559	-0.102087970224479	80	-0.906351889259806	0.367541036588084	0.0104219536645541	0.566457076637083
UVM	PHF23	cg26213471	-0.0932259659237269	80	-0.826950827839477	0.41078761223006	0.00869108072241189	0.606655874590908
UVM	PHF23	cg26784276	-0.221714026921677	80	-2.00810348376503	0.0480943519436009	0.0491571097338263	0.140229077437146
UVM	PHIP	cg01492710	0.311576306543768	80	2.89592320140638	0.00490270125143593	0.0970797947994561	0.0244018388454387
UVM	PHIP	cg04480383	-0.23333500318508	80	-2.11925808316847	0.0372501312865504	0.0544452237113813	0.116215629168073
UVM	PHIP	cg05801338	-0.332219667848244	80	-3.11077004760639	0.00260641618622349	0.110369907705197	0.0147057978525581
UVM	PHIP	cg06848288	-0.10837027332513	80	-0.96277048005937	0.338638031095577	0.0117441161405634	0.537995118979095
UVM	PHIP	cg08287994	-0.223774041195882	80	-2.02774017953159	0.0460018364671285	0.0500748215131362	0.135764393543169
UVM	PHIP	cg08587415	-0.332335293659194	80	-3.11198711892712	0.00259689047551494	0.110446747411542	0.0146637510090883
UVM	PHIP	cg15564972	-0.0214831167432663	80	-0.189777548269571	0.849976453961964	0.000461524305004807	0.919885923414824
UVM	PHIP	cg19494004	-0.133776489030065	80	-1.19219799755405	0.236798111112484	0.0178961490172111	0.42813750100831
UVM	PHIP	cg19950079	-0.120679888210214	80	-1.07366280547946	0.286284189432794	0.0145636354184296	0.483567661818976
UVM	PHIP	cg21607066	-0.0105376814412581	80	-0.0930714501721561	0.926085444905563	0.000111042730157436	0.961072157906451
UVM	PHIP	cg21875336	-0.295353840890848	80	-2.73029875594328	0.0078195006143092	0.0872338913289765	0.0353134930215703
UVM	PHIP	cg26363168	-0.253525413198743	80	-2.3147000206522	0.0232609701257923	0.0642751351375935	0.0816369173493588
UVM	PHRF1	cg06063517	-0.154591067851263	80	-1.38192408406816	0.170940066438887	0.0238983982593938	0.34493065464547
UVM	PHRF1	cg07530960	-0.084764903926856	80	-0.751327404404058	0.454716576781283	0.00718508893772913	0.644985347326522
UVM	PHRF1	cg08482978	-0.143355853910649	80	-1.27929822632636	0.204584650557597	0.0205509008504513	0.388741318127981
UVM	PHRF1	cg12469954	-0.17109823111158	80	-1.53371485944491	0.129146159057502	0.0292746046895118	0.284829651510201
UVM	PHRF1	cg12813709	0.035889379977561	80	0.317170752933702	0.751961461463692	0.00128804759517376	0.861105248249702
UVM	PHRF1	cg15219216	0.21581666592995	80	1.95204322466292	0.0545219749079276	0.0465768332931194	0.153715888666956
UVM	PHRF1	cg16143007	-0.0789956750188192	80	-0.699857996367278	0.486098090080285	0.0062403166716789	0.672634557447628
UVM	PHRF1	cg18793109	0.0475123887426928	80	0.420092487543237	0.675572876541101	0.00225742708403676	0.812433587745032
UVM	PHRF1	cg20152424	-0.0132001984139995	80	-0.11659115394974	0.907483722002429	0.000174245238168954	0.950952222346011
UVM	PHRF1	cg21006161	-0.143465491101458	80	-1.28029717425421	0.204235027903802	0.0205823471369826	0.388285631631965
UVM	PPARGC	cg04893087	0.0919587683760519	80	0.815613757755383	0.417204750321416	0.00845641508124036	0.612681632936248
UVM	PPARGC	cg05158538	-0.139010656530188	80	-1.23974570972631	0.218786414602414	0.019323962628954	0.406629006798867
UVM	PPARGC	cg11270806	-0.0995691425597633	80	-0.883762586175245	0.379540314159559	0.00991401415008646	0.578044050172558
UVM	PPARGC	cg12691631	-0.180030321136627	80	-1.61639492255972	0.110046633147332	0.0324109165285571	0.255079190127631
UVM	PPARGC	cg20723350	-0.269815285353966	80	-2.47472648751258	0.0155037789902547	0.0728002882106423	0.0599007192832318
UVM	PPARGC	cg27461259	-0.0684970764573027	80	-0.606373979508496	0.546027225715481	0.00469184948319757	0.719712045349662
UVM	PPARGC	cg27514608	-0.0850024132133582	80	-0.75344790638336	0.453449111231781	0.00722541025209449	0.643797933297414
UVM	PRDM1	cg00555933	-0.0574823905372819	80	-0.50851154071332	0.61252993829308	0.0033042252218806	0.769199729125117
UVM	PRDM1	cg01761420	-0.113445577625215	80	-1.00843445210584	0.316364080219992	0.0128698990827186	0.515634344366939
UVM	PRDM1	cg05170275	-0.0527998440283247	80	-0.466966961268144	0.641825310112059	0.00278782352941541	0.789630463145797
UVM	PRDM1	cg08742502	-0.175700868619662	80	-1.57626912613866	0.119011243254616	0.0308707952337039	0.269200996096465
UVM	PRDM1	cg14359052	-0.143462720816031	80	-1.28027193249246	0.204243856830014	0.0205815522639384	0.388292927620579
UVM	PRDM1	cg17143179	-0.412630296514248	80	-4.00072209059886	0.00014264220063331	0.170263761601436	0.00130442075421039
UVM	PRDM1	cg17521665	-0.204795274835753	80	-1.84786878681358	0.0684121719197217	0.0419411045950517	0.181306006074907

UVM	PRDM1	cg17965230	-0.131439390645286	80	-1.17100062371772	0.245163508750029	0.0172763134132041	0.438049794430275
UVM	PRDM1	cg19464016	-0.0384275498475903	80	-0.33963378820744	0.735045152812719	0.00147667658728904	0.850620353116635
UVM	PRDM1	cg22186515	-0.0874126839581262	80	-0.77497437975697	0.440697877234305	0.00764097731676324	0.633310870461549
UVM	PRDM1	cg22196848	-0.106665728234831	80	-0.947451474431599	0.346334884714141	0.0113775775798668	0.545643323371782
UVM	PRDM1	cg24040346	0.0169566640299702	80	0.149778736175711	0.881325803120534	0.000287528455025285	0.937055498408824
UVM	PRDM1	cg24793124	-0.101091328649854	80	-0.897411746203373	0.372260891681694	0.0102194567281928	0.570926263849178
UVM	PRDM1	cg24874254	-0.19522394408112	80	-1.75799735838925	0.0826709341727164	0.0381123883425882	0.207742833937344
UVM	PRDM1	cg26351406	-0.160491622906322	80	-1.43603871370886	0.154989879348222	0.025757561023105	0.322723767404931
UVM	PRDM10	cg04181189	-0.126941225291332	80	-1.13025806167937	0.261831111323283	0.0161140746784647	0.457162820654999
UVM	PRDM10	cg17627813	-0.171263906043668	80	-1.53524481405016	0.128770292996797	0.0293313255133343	0.284218242450004
UVM	PRDM12	cg09191327	-0.0606061657062781	80	-0.53624491120321	0.593315361045339	0.00367310732161684	0.755396874398277
UVM	PRDM12	cg12539975	0.0377045301497046	80	0.333234346341626	0.739851488134779	0.00142163159380999	0.853490816002683
UVM	PRDM12	cg13795948	0.159825562448138	80	1.42992241038784	0.156732754002308	0.0255442104118636	0.325264575170877
UVM	PRDM12	cg13928649	0.0623781400506748	80	0.55198375621737	0.582537608706936	0.00389103235618159	0.74768085727211
UVM	PRDM12	cg23342516	0.0272867657042653	80	0.241079956388245	0.810125738237179	0.000744567582599469	0.89741725661673
UVM	PRDM13	cg00126261	0.280183045060011	80	2.57775762841097	0.0118281865564314	0.0785025387391002	0.0486240723404686
UVM	PRDM13	cg00579292	-0.00827238968605191	80	-0.0730622674573502	0.941943601970679	6.8432431117898e-05	0.969049175747931
UVM	PRDM13	cg01422797	0.1062241856176	80	0.943484647488034	0.348346341590346	0.0112835776101224	0.547559259212369
UVM	PRDM13	cg01815538	0.21722547059605	80	1.96541465259234	0.0529259555886922	0.0471869050756754	0.150374186568255
UVM	PRDM13	cg02400433	-0.0506261313863385	80	-0.447691972496193	0.655616439888972	0.00256300517914681	0.799194981427226
UVM	PRDM13	cg03120185	0.213615614568519	80	1.93117787771886	0.0570941444668476	0.045631630787486	0.158792387639124
UVM	PRDM13	cg04910970	0.0782667316521294	80	0.693359971041054	0.490143244076158	0.00612568128350644	0.676102041431628
UVM	PRDM13	cg11809464	0.201001072928397	80	1.81217811483029	0.0738070578715261	0.0404014313183667	0.191597471184726
UVM	PRDM13	cg13738144	0.107188118583625	80	0.95214537126838	0.343964512575824	0.0114892927654973	0.54326118061848
UVM	PRDM13	cg14344102	0.0513798804765539	80	0.454374964495517	0.650820918766586	0.00263989211778497	0.795818336286196
UVM	PRDM13	cg17879189	6.04037000973963e-05	80	0.00053347103567480	0.999575713753542	3.6486069854562e-09	0.99978134017001
UVM	PRDM13	cg17978124	0.182046289440334	80	1.63511208066399	0.106055138060623	0.033140851498994	0.248372972794511
UVM	PRDM13	cg25273233	0.0511174756297862	80	0.452048307447313	0.652488802459126	0.00261299631476178	0.79698090592723
UVM	PRDM13	cg25924096	0.275627092330971	80	2.53236462600844	0.013337797596575	0.0759702940268254	0.0533543146198831
UVM	PRDM13	cg26507427	0.0734163066618789	80	0.650149770202333	0.517505837979393	0.00538995408387104	0.698402179630342
UVM	PRDM14	cg00384539	-0.0471005257032309	80	-0.416442766878156	0.678229770154497	0.00221845952152071	0.814244150980709
UVM	PRDM14	cg01295203	0.0198562652543429	80	0.175400367496461	0.861219592153118	0.000394271269850827	0.926245759579237
UVM	PRDM14	cg04838988	0.393490665716138	80	3.7801667642208	0.000305110865081756	0.154834904005729	0.00247945206708139
UVM	PRDM14	cg09050331	0.0304261793517902	80	0.268841209120484	0.788761698408968	0.000925752389947306	0.883804515337629
UVM	PRDM14	cg10457247	-0.0236686579446972	80	-0.209094503130923	0.834919581608255	0.000560205368903076	0.911616077862603
UVM	PRDM14	cg11229513	-0.0263110173799765	80	-0.232453087686742	0.816794964872276	0.000692269635569423	0.901467611010169
UVM	PRDM14	cg13267264	-0.0939427370900897	80	-0.833365261747138	0.407183455913229	0.00882523785197772	0.603372059835687
UVM	PRDM14	cg18035229	0.059218737914954	80	0.523925204782827	0.601816146720565	0.00350685892024001	0.761355919297486
UVM	PRDM14	cg21255438	-0.0624681618597297	80	-0.552783477100283	0.581992465770493	0.00390227124613338	0.74724413075012
UVM	PRDM14	cg27029821	-0.0686146682544064	80	-0.607419886974436	0.545336626417175	0.00470797269966224	0.719256692869093
UVM	PRDM4	cg00090609	0.0101147833858483	80	0.0893359181226179	0.929043941194265	0.000102308842942632	0.962460435222498
UVM	PRDM4	cg03909902	-0.0349528323213956	80	-0.30888379606888	0.758233452236875	0.00122170048728759	0.865202023928002
UVM	PRDM4	cg12900929	-0.016161679394762	80	-0.142754732589964	0.88685201354358	0.000261199880859074	0.939884874129286
UVM	PRDM4	cg18440127	-0.050056719839249	80	-0.442643888102958	0.65924843196493	0.00250567520106507	0.801686217113268
UVM	PRDM4	cg25995916	0.114106501156433	80	1.01438677529578	0.313534524506244	0.0130202936061631	0.512568923621206
UVM	PRDM4	cg27140793	0.105179019520199	80	0.934097101204458	0.353136560658943	0.0110626261472305	0.552165811104894
UVM	PRDM5	cg05713693	-0.0261389280832325	80	-0.230931666900607	0.817972558079833	0.000683243561340402	0.902092887023474
UVM	PRDM5	cg06329345	-0.0843077518757219	80	-0.747246276955165	0.457161663617697	0.00710779702633828	0.647367611254257
UVM	PRDM5	cg07070341	0.00415589560137011	80	0.0367041931057461	0.970814639836014	1.72714682494874e-05	0.984557454462557
UVM	PRDM5	cg10416963	-0.122428360887352	80	-1.08945358120019	0.279308388874156	0.0149887035495636	0.476345868772905
UVM	PRDM5	cg11171429	-0.0252617256541941	80	-0.223176742065807	0.82398139170077	0.000638154783027767	0.905353074573736
UVM	PRDM5	cg13155001	-0.170054666505083	80	-1.52408095143696	0.131532926807743	0.028918589600155	0.288449921296768
UVM	PRDM5	cg18181323	0.0860593356025301	80	0.762885768351714	0.447832627983997	0.0074062092443489	0.639335892633543
UVM	PRDM5	cg19294653	-0.161090885731708	80	-1.44154334796914	0.153434163983935	0.0259502734658262	0.320643027802241
UVM	PRDM5	cg22135105	-0.150744660559947	80	-1.34673024074094	0.18196727157581	0.0227239526873335	0.359525624142036
UVM	PRDM8	cg01304890	-0.078623991829291	80	-0.696544557641524	0.488158470716001	0.00618173209117241	0.67426227887647
UVM	PRDM8	cg02895669	0.112397544991447	80	0.998998574434586	0.320884514929906	0.0126332081201044	0.520331213224744

UVM	PRDM8	cg04343891	-0.0518874956403856	80	-0.458876088628882	0.647599309613027	0.00269231220383104	0.793477166428039
UVM	PRDM8	cg05007549	0.0332568125248539	80	0.293878777610561	0.769631121602621	0.00110601557931328	0.872274130608936
UVM	PRDM8	cg07462804	0.0078141163225438	80	0.06901451380193	0.945154688943271	6.10604139022455e-05	0.970671083072421
UVM	PRDM8	cg08074201	-0.0735421694609336	80	-0.651270424034678	0.516786144793921	0.00540845068902067	0.697869416541076
UVM	PRDM8	cg10695325	-0.0870387042740405	80	-0.771633424581006	0.442663054284376	0.00757573604170388	0.635008844643163
UVM	PRDM8	cg11571772	-0.0143791688115254	80	-0.127006511043302	0.899262091053813	0.000206760495710345	0.946826125537184
UVM	PRDM8	cg12572049	-0.0831332361319155	80	-0.736763210639902	0.463476661583648	0.00691113494976482	0.652721870621089
UVM	PRDM8	cg14489346	-0.0393776021167416	80	-0.348043507424437	0.728745062016482	0.00155059554846441	0.846591403785712
UVM	PRDM8	cg15656813	0.165720769392868	80	1.48412765989858	0.141805030300738	0.0274633734081641	0.304000786133588
UVM	PRDM8	cg16117799	-0.0698540145473193	80	-0.618444673376311	0.538084084597471	0.00487958334837709	0.713854487238453
UVM	PRDM8	cg18624348	0.0603440633337842	80	0.533917328514914	0.594917128839045	0.00364140597963176	0.756396865505512
UVM	PRDM8	cg19595012	-0.0879335908939356	80	-0.779628463130654	0.437968822232527	0.00773231640750203	0.630822361310793
UVM	PRDM8	cg20142271	-0.0392210366252172	80	-0.346657548891707	0.729782073618102	0.00153828971395663	0.847239425077924
UVM	PRDM8	cg26162932	-0.0340777606853915	80	-0.301141540926065	0.76410788601857	0.00116129377333081	0.869049837498957
UVM	PRKAA1	cg00301775	0.00523362506229909	80	0.0462227580584646	0.963250843185677	2.73908312927251e-05	0.980672356367934
UVM	PRKAA1	cg01883943	0.145066291720575	80	1.29488820622428	0.199178703130137	0.0210442289935589	0.38191006985824
UVM	PRKAA1	cg03125217	0.165799785752449	80	1.48485529583853	0.141612492086021	0.0274895689555581	0.303748319737079
UVM	PRKAA1	cg05874655	0.0901126168664893	80	0.79910417290188	0.426656689752377	0.00812028371852668	0.621174357326916
UVM	PRKAA1	cg06971720	-0.20056740258014	80	-1.80810418528043	0.0744448195931301	0.0402272829777438	0.192807547206045
UVM	PRKAA1	cg10786880	0.0666433919352924	80	0.589889909942115	0.556969468893731	0.00444134168864099	0.728310801856683
UVM	PRKAA1	cg24728477	0.13408013321959	80	1.1949535147195	0.235725952103869	0.017977482124183	0.426992914940936
UVM	PRKCD	cg02121118	-0.174852472115582	80	-1.56841724665102	0.120831927769382	0.0305733870049304	0.271959234720846
UVM	PRKCD	cg02559423	-0.351475519786274	80	-3.31569904621036	0.00138927750255999	0.123535041009032	0.00883346579764219
UVM	PRKCD	cg02630105	0.184968086087753	80	1.66227728350756	0.100471095786001	0.0342131928709663	0.239014408452712
UVM	PRKCD	cg10531918	-0.440070311248647	80	-4.32823443203298	4.41444634945741e-05	0.193661878842481	0.000476571522772259
UVM	PRKCD	cg13469346	0.0970955118133639	80	0.861595320569417	0.391551283015203	0.00942753841429909	0.588607943943622
UVM	PRKCD	cg13889007	-0.398223549816613	80	-3.83414329944946	0.000253889520279964	0.158581995628545	0.0021198971064355
UVM	PRKCD	cg13908523	-0.132629625788698	80	-1.18179349427908	0.24087812651736	0.01759061763685	0.433038452945058
UVM	PRKCD	cg14727059	-0.333932129166017	80	-3.12881149717994	0.0024684913322724	0.11151066688935	0.0140869875808978
UVM	PRKCD	cg21903826	-0.178756900788569	80	-1.60458277957181	0.112627287513314	0.0319540295795343	0.259353142255297
UVM	PRMT1	cg07702240	0.10048914726495	80	0.89201134190125	0.375130448136448	0.0100980687180367	0.573862148231116
UVM	PRMT1	cg08377944	-0.0294212557888533	80	-0.259954029313728	0.795584191584171	0.000865610292193133	0.888162451139064
UVM	PRMT1	cg11787855	-0.0023263283994589	80	-0.0205456317151075	0.983660578203782	5.411803822129e-06	0.99146197920873
UVM	PRMT1	cg14258555	0.08913649046166	80	0.790378331984805	0.431703335360962	0.0079453139318216	0.625562457401539
UVM	PRMT1	cg14576628	-0.0179895496998032	80	-0.15890511586877	0.874154354363002	0.00032362389840169	0.93337463838024
UVM	PRMT1	cg18880319	0.0121056564096838	80	0.10692209737918	0.915125315305787	0.000146546917109318	0.95513864330715
UVM	PRMT1	cg22292364	0.0566096980005	80	0.500766351760424	0.617945740494313	0.00320465790770781	0.773130332363251
UVM	PRMT1	cg24228123	0.0359269496252165	80	0.317503201857995	0.75171019202544	0.00129074570937284	0.860957976510323
UVM	PRMT1	cg25595446	-0.0129686323575915	80	-0.114545492591802	0.909099734214672	0.000168185425226369	0.951684156520342
UVM	PRMT1	cg26846726	0.116919745226195	80	1.03973841547184	0.30167372964794	0.0136702268237584	0.500083234763832
UVM	PRMT2	cg04493422	0.271637506008684	80	2.49276641214391	0.0147941406739792	0.073786934670618	0.057767172594064
UVM	PRMT2	cg06725035	-0.386725199091002	80	-3.70362501923095	0.000394907856903155	0.149556379611975	0.00307368302350416
UVM	PRMT2	cg09031657	0.0394068819880757	80	0.348302703322537	0.728551180726823	0.00155290234802212	0.846555796168222
UVM	PRMT2	cg10187059	-0.180801027966511	80	-1.62354801158788	0.108507156368999	0.032689011713747	0.252534126804581
UVM	PRMT2	cg10657630	-0.00534000067065454	80	-0.0471622813845894	0.962504435340106	2.85156071625909e-05	0.980297321919408
UVM	PRMT2	cg12162201	0.394068213243918	80	3.786734232721	0.000298388390358254	0.155289756689254	0.00243295529184886
UVM	PRMT2	cg13271076	0.236647446215104	80	2.15111480628219	0.0345626346997085	0.0560020138001307	0.109794830488347
UVM	PRMT2	cg17243659	-0.211752460064988	80	-1.91353979644257	0.0593480312932484	0.0448391043435742	0.163361388437861
UVM	PRMT2	cg23283320	-0.401448510325035	80	-3.87113057842557	0.000223652999433519	0.16116090644219	0.00190568033274164
UVM	PRMT3	cg01769160	0.0626062044522974	80	0.554009823406993	0.581156978830411	0.00391953683592287	0.746748811691668
UVM	PRMT3	cg04101203	0.0589875526885764	80	0.521872686803607	0.603237839922939	0.00347953137218757	0.762330195730358
UVM	PRMT3	cg06578097	-0.096404900128777	80	-0.855409349893511	0.394944579415456	0.00929390476883946	0.59160371327798
UVM	PRMT3	cg13432154	-0.0182278679010177	80	-0.161010920982309	0.872501099283445	0.000332255168216952	0.932431206334427
UVM	PRMT3	cg13982511	-0.0864534867124309	80	-0.766406030620323	0.44574807701361	0.00747420536473646	0.637694028893979
UVM	PRMT3	cg19653624	-0.131294055268788	80	-1.16968309877088	0.245690352216883	0.0172381289489236	0.438668730585945
UVM	PRMT3	cg23019633	-0.149708860812311	80	-1.3372636545823	0.185023318231527	0.0224127430057199	0.363587552250768
UVM	PRMT3	cg23071995	-0.0633206931010187	80	-0.560357727677676	0.576841439703612	0.00400951017479339	0.743501937840526

UVM	PRMT6	cg00944433	-0.0476083391065207	80	-0.420942781613248	0.674954476170877	0.00226655395248146	0.812061578302013
UVM	PRMT6	cg02990361	-0.0021726978962294	80	-0.0191887935457895	0.984739498444672	4.72061614827968e-06	0.991982292777107
UVM	PRMT6	cg02993280	-0.331069830804807	80	-3.09867548659171	0.00270286273405477	0.109607232869123	0.0151556515964944
UVM	PRMT6	cg09367891	-0.211286641258578	80	-1.90913341285942	0.0599227095356907	0.0446420447743308	0.16451834358989
UVM	PRMT6	cg14671364	0.122103062372569	80	1.08651497594872	0.280597559350561	0.0149091578407595	0.477800782124011
UVM	PRMT6	cg14828511	-0.172971984960912	80	-1.55102622197489	0.124943628741723	0.0299193075813179	0.278318172586878
UVM	PRMT6	cg22528358	0.408541481909669	80	3.95308811574815	0.000168449493486455	0.166906142440948	0.00150313832258377
UVM	PRMT7	cg00894222	-0.325211597939032	80	-3.03729452909978	0.0032456542598281	0.105762583434059	0.0175476007706628
UVM	PRMT7	cg02477175	-0.217567657543798	80	-1.96866440307304	0.0525441304151737	0.0473356856090955	0.149598799693591
UVM	PRMT7	cg06089844	-0.0286207260557859	80	-0.252875000331413	0.80103005735252	0.00081914595996034	0.891390574493362
UVM	PRMT7	cg06092312	0.0850091309192814	80	0.753507884480736	0.453413290724423	0.00722655233965152	0.643770574339139
UVM	PRMT7	cg06745885	-0.234755015663394	80	-2.13290511599368	0.0360773993632938	0.0551099173791205	0.113434855956191
UVM	PRMT7	cg09175928	-0.270344570771142	80	-2.47996342891125	0.0152946910390224	0.073086186945433	0.0592960108883634
UVM	PRMT7	cg09779635	-0.328979396350317	80	-3.07672690315584	0.00288642788262111	0.108227443223019	0.015961527630127
UVM	PRMT7	cg10233539	-0.031397427265369	80	-0.277431348838497	0.782182888572394	0.000985798438884138	0.879755018847422
UVM	PRMT7	cg10446007	-0.0705078736868416	80	-0.624262329405056	0.534276985477756	0.00497136025183961	0.711047042259837
UVM	PRMT7	cg11893236	-0.36831637631485	80	-3.49884947626803	0.000775279659603705	0.135656953061702	0.00542277520582724
UVM	PRMT7	cg19328639	0.148014728155583	80	1.32178999336621	0.190101692855144	0.021908359750971	0.37020053804879
UVM	PRMT7	cg21918026	0.0738365810596924	80	0.65389192046333	0.515104664769076	0.00545184070258452	0.696517630032773
UVM	PRMT7	cg26492318	-0.267692539656281	80	-2.45374751508914	0.0163673166813812	0.0716592957876297	0.0623881147489524
UVM	PRMT7	cg26561196	-0.104909845284889	80	-0.9316779921322094	0.354376827321336	0.0110060756376993	0.55339323734139
UVM	PRMT7	cg26796563	-0.141084006329646	80	-1.25860928441514	0.211925637967572	0.0199046968420235	0.398033391599452
UVM	PRMT8	cg01693063	0.0503976088089152	80	0.445665966799088	0.657073118117937	0.00253991897365645	0.800254414229406
UVM	PRMT8	cg06029846	-0.0812126086826721	80	-0.719627412100747	0.473905168401145	0.00659548780904483	0.661849068642598
UVM	PRMT8	cg07912789	-0.0546539897244244	80	-0.483413499826145	0.630156438278776	0.00298705859279749	0.7817567508396
UVM	PRMT8	cg10350722	0.0488356287156755	80	0.431819829533936	0.667063690845866	0.00238491863205531	0.806878016694084
UVM	PRMT8	cg11596580	0.185341842189792	80	1.66575553000364	0.0997736823965005	0.0343515984663058	0.237880224596321
UVM	PRMT8	cg19656577	0.0696759349730113	80	0.616860364633478	0.539123262424223	0.00485473591436329	0.714599428822647
UVM	PRMT8	cg21667836	0.273478446494785	80	2.51102105678902	0.0141058899692312	0.0747904606972012	0.0556552013118819
UVM	PRMT8	cg23739862	0.0992445008968198	80	0.880852398875062	0.381103853100777	0.00984947095825887	0.579518621320233
UVM	PRMT8	cg24100636	0.405835746142871	80	3.92172419408409	0.000187825420972634	0.164702652847341	0.00164601676232343
UVM	PRMT8	cg27316886	0.134507074025614	80	1.19882850675183	0.234224140874787	0.018092152962932	0.425169484220531
UVM	PWWP2E	cg00259755	-0.206865576233103	80	-1.8673798955615	0.0656052952004446	0.0427933666302536	0.175753239947085
UVM	PWWP2E	cg05010219	-0.250940615770522	80	-2.28950601754172	0.0247545073400267	0.0629711926432887	0.0855572432776917
UVM	PWWP2E	cg15012692	-0.145081059391299	80	-1.29502285925131	0.199132479078313	0.0210485137941017	0.381860384475898
UVM	PWWP2E	cg15278699	-0.153924510958317	80	-1.37582066314663	0.172814993343327	0.0236927550737572	0.347588367658763
UVM	PWWP2E	cg19919881	-0.230591279718818	80	-2.09293004323443	0.0396062783893638	0.0531723382823621	0.121610783905201
UVM	PWWP2E	cg22633292	-0.0867781571633172	80	-0.769306015999689	0.44403506872871	0.00753044856066137	0.636038743080119
UVM	PWWP2E	cg22664157	-0.245672471259359	80	-2.23831849751755	0.0280518708030448	0.0603549631346808	0.0939296361749263
UVM	PWWP2E	cg24520806	-0.202415784014373	80	-1.82547574403063	0.0717569624854405	0.0409721496181531	0.18770843470165
UVM	PYGO1	cg06364757	-0.166940538176887	80	-1.49536339849639	0.138854737337231	0.0278691432867887	0.29949166675204
UVM	PYGO1	cg09275667	0.0715050632362438	80	0.63313629824879	0.528496636244018	0.00511297406841922	0.70690968569407
UVM	PYGO1	cg11480800	0.0638507070918398	80	0.56506721747834	0.573649736416521	0.00407691279612792	0.740996390116842
UVM	PYGO1	cg12686317	-0.110511106311858	80	-0.982022661630553	0.329124949613853	0.0122127046182709	0.528820600159404
UVM	PYGO1	cg13878116	-0.131952874194489	80	-1.1756561791377	0.243308347646534	0.0174115610081868	0.435914438327317
UVM	PYGO1	cg17841803	0.0104253570886835	80	0.0920792648481148	0.926871143834539	0.000108688070426563	0.961425821534763
UVM	PYGO1	cg19850348	-0.13609959014997	80	-1.21328848854266	0.228680984360957	0.0185230984389898	0.418632032239764
UVM	PYGO1	cg22510134	-0.165452156921703	80	-1.48165431475665	0.142461029768234	0.0273744162300438	0.304903354312208
UVM	PYGO1	cg23030278	-0.0437144870235085	80	-0.386445312421803	0.700219093708395	0.00191095637572849	0.828282188371254
UVM	PYGO1	cg23412777	-0.115956948062798	80	-1.03105931428329	0.305699520529053	0.0134460138040385	0.504263872692207
UVM	PYGO1	cg25902187	0.00762185351646398	80	0.067316342936397	0.9465021231791	5.80926510264344e-05	0.971477770939585
UVM	PYGO2	cg01277844	-0.0977706324178756	80	-0.867643748364784	0.388250932368599	0.00955909656339135	0.586050392625408
UVM	PYGO2	cg02341811	-0.0472831860191144	80	-0.418061383264024	0.67705095739211	0.00223569968011818	0.813469175563134
UVM	PYGO2	cg04602755	0.186260531514371	80	1.67430821562495	0.0980755356581591	0.0346929856000159	0.234779753809914
UVM	PYGO2	cg10892866	-0.0678052732078168	80	-0.600221323297289	0.550098671042996	0.00459755507478668	0.722780300214817
UVM	PYGO2	cg14024356	0.0832975622375786	80	0.738229705898197	0.462590275117937	0.00693848387472329	0.652004708166191
UVM	PYGO2	cg18188585	0.0714824120725878	80	0.632934704942477	0.52862758940147	0.00510973523571524	0.707024064126157

UVM	PYGO2	cg24683561	-0.0223796889367372	80	-0.197701576617296	0.843792875012882	0.000500850476905119	0.916583206528599
UVM	PYGO2	cg27105205	-0.00441929735596829	80	-0.0390305585840631	0.968965751805627	1.95301891204683e-05	0.983692097334723
UVM	RBBP4	cg05797186	-0.464581570428606	80	-4.63346448604005	1.41709297939051e-05	0.21583603558191	0.000177490303479614
UVM	RBBP4	cg06526778	-0.426332414305123	80	-4.16250840325124	8.0419529381045e-05	0.181759327487235	0.000797979192432272
UVM	RBBP4	cg09036220	-0.0875982280246626	80	-0.776632063936482	0.439724709110561	0.00767344955306079	0.632344028077215
UVM	RBBP4	cg11229946	-0.20247653599887	80	-1.82604705070177	0.0716699602086822	0.0409967476301017	0.187569146660192
UVM	RBBP4	cg13641837	-0.0794342867008325	80	-0.703768459461839	0.48367264487038	0.00630980590367005	0.670514435782333
UVM	RBBP4	cg16148416	-0.112445341944761	80	-0.999428836726408	0.320677458143578	0.0126439549250743	0.520093027953583
UVM	RBBP4	cg16396527	-0.469987314469477	80	-4.70255097221694	1.0898803992991e-05	0.220888075762231	0.000141333815274336
UVM	RBBP4	cg18758482	-0.611491716546447	80	-6.82533071384598	1.69024102093161e-09	0.373922119404921	5.35167317795498e-08
UVM	RBBP4	cg20740619	0.391127425102106	80	3.75334864590875	0.000334092061586211	0.152980662667003	0.00267363006265176
UVM	RBBP4	cg22358606	0.188520908745073	80	1.69537098259703	0.0939937053121486	0.0355401330340681	0.227814010999573
UVM	RBBP4	cg22857567	-0.384150622724012	80	-3.67468328036208	0.000435016355580562	0.147571700939246	0.00333185609589782
UVM	RBBP4	cg23016766	-0.0821708735369565	80	-0.728176010347175	0.468686298089793	0.00675205245782649	0.657653755769148
UVM	RBBP4	cg26131911	-0.0308626779491592	80	-0.272701697132851	0.78580318919676	0.000952504890193519	0.881825271560272
UVM	RBBP5	cg00960017	-0.214518225954438	80	-1.93973062962871	0.0560276204726109	0.0460180692666394	0.156609992707639
UVM	RBBP5	cg02189925	0.2043679734419	80	1.84384501037762	0.0690033805483456	0.041766268568749	0.182400577179001
UVM	RBBP5	cg03143531	-0.180673523875239	80	-1.62236440678507	0.108760684071885	0.0326429222294964	0.252912317112698
UVM	RBBP5	cg05290904	-0.0631176331162226	80	-0.558553545192267	0.578066422247411	0.00398383561019408	0.74439017500356
UVM	RBBP5	cg07601985	0.0882955651981795	80	0.782862929935513	0.436078049375224	0.00779610683366596	0.629194053324484
UVM	RBBP5	cg07972983	-0.135434039333229	80	-1.20724415560631	0.230986357426595	0.0183423790101145	0.421411902601977
UVM	RBBP5	cg14717946	0.0262729724405326	80	0.232116735174523	0.817055268510412	0.000690269080860984	0.901616217704051
UVM	RBBP5	cg18131828	-0.205161753290281	80	-1.8513206891867	0.0679083758991313	0.042091345013142	0.180355796630706
UVM	RBBP5	cg21214746	-0.319498507026942	80	-2.97781108107186	0.0038667477512056	0.102079295992445	0.0202116357291735
UVM	RBBP5	cg23227967	0.00431764238879968	80	0.0381327405218128	0.969679276617271	1.86420357975598e-05	0.984061878304425
UVM	RBBP5	cg24103461	-0.138917664824484	80	-1.23890005207055	0.219097750045766	0.0192981176002877	0.407011563773894
UVM	RBBP5	cg26795850	-0.102687252938902	80	-0.911728942422473	0.364720659168279	0.010544671916138	0.563662493977335
UVM	RBBP7	cg01947226	0.160684091713591	80	1.43780649182806	0.154488945836531	0.0258193773298217	0.322057455810262
UVM	RBBP7	cg03048084	-0.00258766561155807	80	-0.022853720397837	0.981825320887538	6.69601331724018e-06	0.990598781053436
UVM	RBBP7	cg03171708	0.236428897167636	80	2.14901052428513	0.034734801375412	0.0558986234159045	0.110206743268437
UVM	RBBP7	cg03811055	0.125578016455043	80	1.11792478643653	0.267030512435009	0.015769838216783	0.462741060419877
UVM	RBBP7	cg07096248	0.111249416072588	80	0.988665362413919	0.325883949448216	0.0123764325764919	0.525342289437987
UVM	RBBP7	cg08363715	0.0028183921844057	80	0.0248914646610099	0.980205106834491	7.94333450511913e-06	0.989801346921421
UVM	RBBP7	cg14719055	-0.00849049093158061	80	-0.0749886885028046	0.940415704730801	7.20884362592525e-05	0.968306790135694
UVM	RBBP7	cg15289846	0.181861743126155	80	1.63339778694829	0.106415779963722	0.0330736936128835	0.248947771290606
UVM	RBBP7	cg15464143	0.206820480838789	80	1.866954625713	0.0656654271157644	0.0427747112943877	0.175871935448729
UVM	RBBP7	cg16978043	0.153918035992268	80	1.37576138366957	0.172833280123082	0.0236907618037171	0.347600177358622
UVM	RBBP7	cg17878446	0.160977156149588	80	1.44049853921729	0.153728512692262	0.0259136448020089	0.321029372949518
UVM	RBBP7	cg17880859	0.122643524264937	80	1.09139746933908	0.27845786154393	0.0150414340441242	0.475388558691826
UVM	RBBP7	cg21122900	-0.00497866171546498	80	-0.0439708946635817	0.965039976923262	2.47870724770367e-05	0.981620292426363
UVM	RING1	cg01241018	-0.0545303319179338	80	-0.482316483138763	0.63093189754641	0.00297355709908002	0.782245994687269
UVM	RING1	cg01878788	-0.365058332549723	80	-3.46311607187126	0.000870044689505463	0.133267586163984	0.00597706257288838
UVM	RING1	cg02475416	0.00439011562650291	80	0.038772825027165	0.969170578364334	1.9273115214065e-05	0.983789451359312
UVM	RING1	cg03037740	-0.0477845677118365	80	-0.422504516795284	0.673819243007707	0.00228336491140709	0.811403405268201
UVM	RING1	cg06316695	-0.330147910283647	80	-3.08898946760333	0.00278248847295691	0.108997642664659	0.0154989468761018
UVM	RING1	cg06671577	0.278255120571661	80	2.55852603280655	0.0124478367018225	0.0774259121243495	0.0505938875852444
UVM	RING1	cg07946923	-0.408051570885074	80	-3.94740001598461	0.000171815002317031	0.166506084501777	0.00152878603342687
UVM	RING1	cg08892712	-0.168557291945874	80	-1.51026680635519	0.135015989781788	0.0284115606681266	0.293736615836579
UVM	RING1	cg09478665	-0.277917212284288	80	-2.55515876307285	0.0125592979987919	0.0772379768838697	0.0509537433386187
UVM	RING1	cg09724776	0.128387588478529	80	1.14335077285238	0.256390030842606	0.0164833728753322	0.450656500584507
UVM	RING1	cg09832551	-0.397728734305403	80	-3.82848324715452	0.000258848079162224	0.158188146092177	0.00215519429928942
UVM	RING1	cg09869033	-0.162646618174441	80	-1.45584146034989	0.149449793670224	0.0264539224035823	0.31491390830374
UVM	RING1	cg10265934	-0.0711082812234549	80	-0.629605116398197	0.530792892786523	0.00505638765855395	0.708567889035534
UVM	RING1	cg12065531	-0.0818170446697737	80	-0.725019298008985	0.470609668195916	0.00669402879849574	0.659116185572654
UVM	RING1	cg12115664	-0.371262777820521	80	-3.53129322648458	0.000697773840963432	0.13783605019501	0.00497275725393086
UVM	RING1	cg12256228	0.396160992842841	80	3.81057646198862	0.000275152308036313	0.156943532250226	0.00227255532979901
UVM	RING1	cg14046664	-0.414372207955795	80	-4.02110324816805	0.000132799864634031	0.17170432672616	0.00122842243392863

UVM	RING1	cg14363494	-0.228802066633256	80	-2.07578968303503	0.0412085765259433	0.0523503856956491	0.125072852792009
UVM	RING1	cg18189601	-0.548677505198362	80	-5.79616141458323	1.37036602567306e-07	0.301047004710699	2.89062512476167e-06
UVM	RING1	cg20505183	0.055818189744688	80	0.493742673564851	0.622875405893739	0.003115670306374	0.776648335939313
UVM	RING1	cg24536938	0.266725230271405	80	2.44420044365591	0.0167743656819629	0.0711423484633341	0.0635845151226733
UVM	RING1	cg24550302	-0.342481216295837	80	-3.21940687813989	0.00187307948882742	0.117293383515476	0.011265992404039
UVM	RNF17	cg00202166	0.020616084875234	80	0.182115037266817	0.855964919345874	0.000425022955582852	0.923333078227251
UVM	RNF17	cg01405147	-0.0323430053694913	80	-0.285795209130718	0.775792596404551	0.00104606999633094	0.875872712353177
UVM	RNF17	cg07131398	-0.135862384552279	79	-1.20334534263341	0.23252941108169	0.0184585875362314	0.423163493161996
UVM	RNF17	cg12020676	-0.00109673276069584	80	-0.0096860873020580	0.992296472606479	1.20282274838351e-06	0.995936850843003
UVM	RNF17	cg14855529	-4.33618938797715e-05	80	-0.0003829618778172	0.999695418400264	1.88025384084056e-09	0.99985346304832
UVM	RNF17	cg15523998	-0.12947272865312	80	-1.15317850101307	0.252358744096726	0.0167631874648844	0.446252725166746
UVM	RNF17	cg17806989	-0.315120509062796	80	-2.93247362580446	0.00441216433688244	0.0993009352319954	0.0224530589666666
UVM	RNF17	cg20477497	-0.0331281042036851	80	-0.292740175348217	0.77049810304079	0.00109747128813022	0.872846712312954
UVM	RNF17	cg21831927	0.0437448369803934	80	0.386714126688165	0.700020865927234	0.0019136107624412	0.82814901979901
UVM	RNF17	cg23678722	0.0596187584939565	80	0.527476883608669	0.599359693242145	0.00355439636436071	0.759613371608606
UVM	RNF17	cg24753530	-0.186955952800091	80	-1.68078537556375	0.0968052089634978	0.0349525282873897	0.232650685090576
UVM	RNF20	cg04845236	0.156621831041846	80	1.4005310064212	0.165319961487165	0.0245303979589005	0.337309021895134
UVM	RNF20	cg14625770	0.136107908441312	80	1.21336404334176	0.228652273006278	0.0185253627402685	0.418604827295092
UVM	RNF20	cg21219529	0.0903732483519092	80	0.801434415339428	0.425314933699239	0.00816732401767585	0.620101995663284
UVM	RNF217	cg00991794	-0.274593673846761	80	-2.52209406603075	0.0137025740733538	0.0754016857166615	0.0544644414195015
UVM	RNF217	cg02312409	-0.248827142994859	80	-2.26894488391336	0.0260355043657067	0.0619149470909842	0.0888413907634788
UVM	RNF217	cg03113502	-0.170182546995601	80	-1.52526122512835	0.131238657858879	0.02896209930191	0.287991316168052
UVM	RNF217	cg06993703	-0.358368479453367	80	-3.3902011142706	0.00109838583354255	0.128427967065718	0.00725548336033026
UVM	RNF217	cg07439975	0.00538486733700733	80	0.0475585501451409	0.9621896281353	2.89967962371684e-05	0.980188044504405
UVM	RNF217	cg10621825	-0.0380156253591288	80	-0.335987782853397	0.737782222561537	0.00144518777144564	0.852392999405237
UVM	RNF217	cg16203203	-0.484016773538925	80	-4.88506691370957	5.39870836894217e-06	0.234272237067031	7.61121998647131e-05
UVM	RNF217	cg17382198	-0.277936145677477	80	-2.55534740790022	0.0125530298563694	0.0772485010740517	0.0509354731952542
UVM	RNF217	cg18192252	-0.330101375924651	80	-3.08850082477871	0.00278656274624242	0.108966918387348	0.0155162738731073
UVM	RNF217	cg19171596	-0.245906641467742	80	-2.24058926730071	0.0278977923087935	0.0604700763179447	0.093534493594375
UVM	RNF217	cg19478500	-0.398436944090919	80	-3.83658548227466	0.000251778168766531	0.15875199841651	0.00210520538059152
UVM	RNF217	cg20034100	-0.245180747833004	80	-2.23355156746786	0.0283777551225849	0.0601135991079512	0.0947272723452636
UVM	RNF217	cg23521835	0.0536368447538046	80	0.474390667883655	0.636546768101442	0.00287691111514373	0.786086503336512
UVM	RNF217	cg24822696	-0.0385557884235455	80	-0.340768882359713	0.734193731145776	0.00148654882096121	0.85015356743156
UVM	RPH3A	cg00851732	0.176090647115463	80	1.57987772598679	0.11818186892928	0.0310079160015425	0.26793263133078
UVM	RPH3A	cg00854817	0.104804530492359	80	0.930734252725567	0.354862816748685	0.0109839896117238	0.553807534226995
UVM	RPH3A	cg01119407	-0.0814012047951739	80	-0.72130970223202	0.472875573410198	0.00662615614210584	0.660956975005353
UVM	RPH3A	cg01573562	0.247965234861486	80	2.260569666387721	0.0265738164319402	0.0614867576999119	0.0901838099509818
UVM	RPH3A	cg05967001	-0.0324489328200553	80	-0.286732209729035	0.775077647897821	0.00105293324116046	0.875370429299272
UVM	RPH3A	cg08254200	0.227491458292504	80	2.06324837435146	0.0424161287197671	0.0517523635960503	0.127802018576458
UVM	RPH3A	cg09384610	-0.0773865027981544	80	-0.685514830739839	0.495051497255255	0.00598867081532876	0.679994759013836
UVM	RPH3A	cg11596863	0.187026452788988	80	1.6814421590619	0.0966771503459804	0.0349788940428316	0.232478199561534
UVM	RPH3A	cg16403344	-0.00919172767821657	80	-0.0811825703455819	0.935504710777271	8.44878577104926e-05	0.965604604946424
UVM	RPH3A	cg17453780	0.0635463661210863	80	0.562362908362151	0.575481450956244	0.00403814064719515	0.742327082121906
UVM	RPH3A	cg18629535	-0.094343654549122	80	-0.836953668849799	0.405175604894264	0.00890072515368408	0.601622976926714
UVM	RPH3A	cg19712198	-0.0534614440539221	80	-0.472834883798318	0.637651445994018	0.00285812600033065	0.786859254070434
UVM	RPH3A	cg20704159	-0.0762434423623439	80	-0.67532957798119	0.501463555376476	0.00581306250326005	0.685278616947275
UVM	RPH3A	cg21900624	0.100967960785064	80	0.896305293699	0.372847683463798	0.0101945291050942	0.571448475832883
UVM	RPH3A	cg23199238	-0.118647301777659	80	-1.05531888164539	0.29453736773767	0.014077182219119	0.492344914712054
UVM	RPH3A	cg23549179	0.142136661996115	80	1.26819291673895	0.208501330921819	0.0202028306833977	0.393712135000048
UVM	RPH3A	cg23596620	-0.0145151385501542	80	-0.128207739324083	0.898314561511012	0.000210689247130172	0.946236613171782
UVM	RTF1	cg04910470	-0.340924521103301	80	-3.20284408161281	0.00197076000977919	0.116229529089515	0.0117517479841148
UVM	RTF1	cg07091958	-0.0966763889176742	80	-0.857840989315866	0.393608553972869	0.0093463241741614	0.590397652471182
UVM	RTF1	cg07129439	0.104916818710222	80	0.931742539943619	0.354344662060591	0.0110075388482735	0.553365224136135
UVM	RTF1	cg15581235	0.0621325633430789	80	0.549802211125595	0.584025928933115	0.00386045542758171	0.748752841758597
UVM	RTF1	cg18782716	0.245231836990549	80	2.23404675725186	0.0283437481370909	0.0601386538737594	0.0946543697178299
UVM	RTF1	cg22263512	0.0565498729267241	80	0.500235443684347	0.618317757440181	0.00319788812802865	0.773434069049097
UVM	RTF1	cg24280607	-0.240887254370767	80	-2.1920064076821	0.0313614946207008	0.0580266693182864	0.102055388292596

UVM	RTF1	cg27576415	0.210363383880038	80	1.90040393828328	0.061075099998927	0.0442527532774602	0.166764112502774
UVM	SATB1	cg01069104	-0.504521718950068	80	-5.16078333185156	1.82573929204966e-06	0.254542164892331	2.91167614771856e-05
UVM	SATB1	cg01373248	0.274711681131014	80	2.523266394485	0.0136604874972519	0.0754665077498279	0.054352698668229
UVM	SATB1	cg04004754	-0.390113029646507	80	-3.74186420502193	0.000347289608585647	0.152188175899977	0.00276247932620775
UVM	SATB1	cg14415616	-0.220490840287378	80	-1.99645708998583	0.0493735184634989	0.0486162106506341	0.143000906123324
UVM	SATB1	cg19818826	-0.716367052388451	80	-9.06774880711727	7.97375802075126e-14	0.513181753747718	5.3383006150286e-12
UVM	SATB1	cg26131754	-0.513813956181223	80	-5.28951315173175	1.09092414072021e-06	0.264004781566599	1.84735203750953e-05
UVM	SATB1	cg26768584	0.330672959352886	80	3.09450459745285	0.0027368865767433	0.109344606047196	0.0153097975372955
UVM	SCML2	cg00457389	-0.0999126988266428	80	-0.88684264024365	0.377889898702731	0.00998254738682343	0.576479395620752
UVM	SCML2	cg04189389	-0.139039676811366	80	-1.24000962422639	0.218689318774206	0.019332031727809	0.406477681099072
UVM	SCML2	cg05049545	0.0948703976991009	80	0.841668902161391	0.402546441641212	0.00900039235958557	0.599094052482056
UVM	SCML2	cg06131666	-0.282866655288983	80	-2.60458382925648	0.0110103878705534	0.0800135446743765	0.0459415236261596
UVM	SCML2	cg08300622	-0.00656654614959734	80	-0.0579954156919138	0.953900599485528	4.31195283347916e-05	0.975563901850235
UVM	SCML2	cg17710066	-0.356787597805329	80	-3.37305881177015	0.00115972961587853	0.127297389947697	0.00759683443395543
UVM	SCML2	cg17727916	0.0483117484637847	80	0.427176621161176	0.670427593808458	0.00233402503962801	0.80905732023631
UVM	SCML2	cg22823767	0.0420555012800722	80	0.371753029232126	0.711084737759722	0.00176866518791815	0.835511008829255
UVM	SCML2	cg26246138	0.187289009642142	80	1.68388839649565	0.0962014015180064	0.0350771731327343	0.231656405302167
UVM	SCML4	cg00977377	-0.0504989894466569	80	-0.446564765370394	0.656426726417051	0.00255014793513356	0.799753303319518
UVM	SCML4	cg03500965	-0.603038719463523	80	-6.67646257836502	3.22930841067449e-09	0.363655697172206	9.68095639691757e-08
UVM	SCML4	cg05603896	-0.839082345586101	80	-13.6222689493526	2.54350544860877e-22	0.704059182674273	4.11371024675822e-20
UVM	SCML4	cg08792995	-0.615847569239332	80	-6.90348754300593	1.20171524780922e-09	0.379268228537994	3.91647406736784e-08
UVM	SCML4	cg17388996	-0.827097802252443	80	-12.9963983326227	3.29155622092038e-21	0.684090774490822	4.81322038816316e-19
UVM	SCML4	cg23503775	-0.846258397521265	80	-14.0284067301747	4.95613438632964e-23	0.71615327537526	8.53003359402938e-21
UVM	SCML4	cg27353361	-0.593428732162594	80	-6.5115024329945	6.59104625410948e-09	0.352157660156104	1.86860004479662e-07
UVM	SCML4	cg27659622	-0.720532466497243	80	-9.17706354133099	4.89472974659071e-14	0.5191670352766	3.36378627125687e-12
UVM	SETD1A	cg26692825	-0.0960626248682798	80	-0.852343972942042	0.396632778991672	0.00922802789658385	0.593240990711338
UVM	SETD6	cg01152986	-0.294434433982018	80	-2.72099148722282	0.00802305352839159	0.0866916359143115	0.0360094941991661
UVM	SETD6	cg01472538	-0.385428978928627	80	-3.68904109377538	0.000414657228309842	0.148555497797964	0.00319923082605731
UVM	SETD6	cg01773760	0.107310855843402	80	0.953248332712048	0.343409063171768	0.0115156197818435	0.542781540876176
UVM	SETD6	cg02549819	-0.164878716599597	80	-1.47637529207233	0.143869114235736	0.0271849911875303	0.306987598684922
UVM	SETD6	cg05502081	0.0149046688139499	80	0.1316490944362	0.8956008413357	0.00022214915245353	0.94461318677375
UVM	SETD6	cg09132913	-0.404641567555147	80	-3.90792106555676	0.000197013478683348	0.163734798193486	0.00171456164679409
UVM	SETD6	cg19824325	0.0895127917911117	80	0.793741911447756	0.429753823824592	0.00801253989423891	0.623806190443152
UVM	SETD6	cg26666090	-0.319915412976553	80	-2.98213945834892	0.0038180812833168	0.102345871459959	0.0200056452720649
UVM	SETD7	cg05316864	0.313382806901227	80	2.91453628851889	0.00464693775336988	0.0982087836612917	0.02338317435871
UVM	SETDB1	cg02060408	-0.0498189404819529	80	-0.440535997638813	0.660767449108628	0.00248192683074436	0.80261653313828
UVM	SETDB1	cg08531528	0.239570169121706	80	2.17928941768788	0.0323280690287236	0.057393865933003	0.104358263912217
UVM	SETDB1	cg10589385	-0.264335015875099	80	-2.42064371898546	0.0178177333084808	0.0698730006176888	0.0666304256597583
UVM	SETDB1	cg10961700	-0.141135589013286	80	-1.25907880388935	0.211756915656223	0.0199192544861273	0.397879803312808
UVM	SETDB1	cg12082615	0.146092614265127	80	1.30424842255395	0.195984501236127	0.0213430519428192	0.377901060581565
UVM	SETDB1	cg15448220	-0.143032676187902	80	-1.27635390556478	0.205617716867474	0.0204583464574733	0.389913822786376
UVM	SETDB1	cg16370685	0.0952025323075491	80	0.844642429576795	0.400893807776362	0.00906352215776993	0.597433548216356
UVM	SETDB1	cg17899625	-0.085361271324187	80	-0.756652065933286	0.451537782866976	0.00728654664208146	0.64212727186958
UVM	SETDB1	cg17918089	-0.0208668105396331	80	-0.184330816109013	0.854232341279447	0.000435423782096944	0.92216741958416
UVM	SETDB1	cg19689029	0.00290293392045089	80	0.0256381262229712	0.979611455387492	8.42702534650436e-06	0.989532988293227
UVM	SETDB1	cg26820223	0.00348792362787042	80	0.0308046947809066	0.975503982787007	1.21656112338567e-05	0.987101415672898
UVM	SETMAR	cg00300090	0.031550225213069	80	0.278782831451542	0.781149278503924	0.000995416710995375	0.879100873360736
UVM	SETMAR	cg02520519	0.0331027277922491	80	0.292515687782047	0.770669072209737	0.00109579058728774	0.872951408778292
UVM	SETMAR	cg06021447	-0.255376527446359	80	-2.33277533841741	0.0222391236073678	0.065217170770561	0.0788330621485268
UVM	SETMAR	cg06267913	-0.375599647940809	80	-3.57927346042659	0.000596481270787507	0.141075095533259	0.00435460435244401
UVM	SETMAR	cg14751177	-0.235635925231262	80	-2.14137835532269	0.0353655240838749	0.0555242892595928	0.111688612048105
UVM	SETMAR	cg14961031	-0.432356790821628	80	-4.23473518102987	6.20167964124133e-05	0.186932394569577	0.000640878674296928
UVM	SETMAR	cg15232450	0.107079977621638	80	0.951173613934457	0.344454372018117	0.0114661216074506	0.543682581954215
UVM	SETMAR	cg15384599	0.106037437193222	80	0.941807066237328	0.349199264440607	0.0112439380865064	0.548257433609004
UVM	SETMAR	cg16423812	-0.555657904636163	80	-5.90254108715007	8.7882851512614e-08	0.308755706984651	1.93237946596164e-06
UVM	SETMAR	cg21901604	-0.463210875319667	80	-4.61605244281397	1.513575309558e-05	0.214564315014412	0.000187944257991628
UVM	SETMAR	cg22149154	-0.455045460980777	80	-4.51319054533812	2.22788637268096e-05	0.207066371559208	0.000263198469971667

UVM	SETMAR	cg23182840	-0.317291661050828	80	-2.95493127436237	0.00413367763834354	0.100673998172393	0.0213090794644025
UVM	SETMAR	cg23549342	-0.442814647849753	80	-4.36178408028706	3.90379004930253e-05	0.196084812350301	0.000428579513259161
UVM	SETMAR	cg24390964	-0.0976493312285316	80	-0.866556918129535	0.388842689641122	0.00953539188937948	0.586528642299249
UVM	SETMAR	cg26797270	-0.445602227886922	80	-4.39601850843146	3.44179102852358e-05	0.198561345497789	0.000384367917417403
UVM	SETMAR	cg27265118	-0.55404028187435	80	-5.87773079080315	9.75004770738265e-08	0.30696063393941	2.12285253665862e-06
UVM	SFMBT2	cg09060610	-0.170418228125265	80	-1.52743665336828	0.130697637872709	0.0290423724773547	0.287225402996399
UVM	SFMBT2	cg12328063	-0.0405134530113475	80	-0.358099130745456	0.721236428263784	0.00164133987490266	0.842052474051549
UVM	SFMBT2	cg20299663	-0.153777152172495	80	-1.37447161192946	0.173231519487251	0.0236474125302827	0.348118744239286
UVM	SFMBT2	cg25291138	-0.145669853381525	80	-1.30039226026897	0.197295763251706	0.0212197061841951	0.379582703262105
UVM	SHPRH	cg00571935	-0.297303337233662	80	-2.7500612864184	0.00740283932013168	0.0883892743302728	0.033840432604908
UVM	SHPRH	cg02758840	-0.0856971436666551	80	-0.759651259685103	0.449752935897324	0.00734400043262333	0.640903670104894
UVM	SHPRH	cg06708562	0.105894227363399	80	0.940520665172299	0.349854216745646	0.0112135873888912	0.548925702515736
UVM	SHPRH	cg11387577	-0.189080654196808	80	-1.70059113265454	0.0930038361612088	0.0357514937914929	0.226091073101624
UVM	SHPRH	cg11675148	-0.055801819925712	80	-0.49359742112796	0.622977536442449	0.00311384310702159	0.776690189909995
UVM	SHPRH	cg12989205	-0.0186335300698506	80	-0.164595458619649	0.869688209038431	0.000347208442864026	0.930853824375365
UVM	SHPRH	cg14102550	-0.25566762227905	80	-2.33562024140405	0.0220819697203381	0.0653659330556709	0.078490576278168
UVM	SHPRH	cg15443174	0.0747590885812395	80	0.66210721795989	0.509854029002959	0.00558892132549761	0.692281640874371
UVM	SHPRH	cg16339435	-0.263092593964946	80	-2.40841802713184	0.0183817599246987	0.0692177129992042	0.0682214890311538
UVM	SHPRH	cg18099523	-0.135786911027547	80	-1.21044862260915	0.229762051486698	0.018438085206403	0.419865848426304
UVM	SHPRH	cg26814539	-0.16629138827668	80	-1.48938296428199	0.140419032219793	0.027652825798685	0.301946473269795
UVM	SHPRH	cg27398948	0.0386192830942649	80	0.341330906920784	0.73377228588651	0.00149144902671497	0.849804698509128
UVM	SIN3A	cg01088093	-0.0136839834650594	80	-0.12086498626113	0.904108787641646	0.000187251403472019	0.949269017813757
UVM	SIN3A	cg01664094	-0.00061364385176111	80	-0.0054195567762374	0.995689677680503	3.7655877680422e-07	0.997806010453272
UVM	SIN3A	cg02028562	-0.0267256547134631	80	-0.236118931715545	0.813959305122941	0.000714260619863252	0.899882758473327
UVM	SIN3A	cg07544511	-0.196738927156976	80	-1.77218693593089	0.0802685126992272	0.0387062054588777	0.203520261942627
UVM	SIN3A	cg10483776	0.159696142731814	80	1.42873420720742	0.157073089666657	0.02550285800342	0.325753617273012
UVM	SIN3A	cg11184237	-0.0315330626221628	80	-0.278631029072503	0.781265356925134	0.000994334038333239	0.879172666141421
UVM	SIN3A	cg15851274	-0.218777630612092	80	-1.98016164188778	0.0512120647942509	0.0478636516562408	0.146821130223105
UVM	SIN3A	cg22059910	0.119934113580117	80	1.06693067288533	0.289294381166128	0.0143841916002483	0.486813045391256
UVM	SIN3A	cg25697800	0.0203123279586429	80	0.179430642692314	0.85806486844871	0.000412590667099466	0.92459305335166
UVM	SIN3B	cg06815056	0.0507053732312371	80	0.448394520967033	0.655111625714619	0.00257103487451906	0.798967717729993
UVM	SIRT1	cg02720207	-0.212848446984628	80	-1.92391260737868	0.0580135947987945	0.0453044613837681	0.160631748070096
UVM	SIRT1	cg03211233	0.0611518211251353	80	0.541090925324227	0.58998696498405	0.00373954522692054	0.753037391588868
UVM	SIRT1	cg07832903	-0.119168030908758	80	-1.06001712689639	0.29240823438367	0.0142010195906707	0.490127550867535
UVM	SIRT1	cg10582690	-0.0818251370978337	80	-0.725091492159999	0.470565631063177	0.00669535306107928	0.659113461360275
UVM	SIRT1	cg10705386	0.0324682524072828	80	0.286903105706134	0.774947272092641	0.00105418741438303	0.875282940262973
UVM	SIRT1	cg19192316	0.0420361842831146	80	0.371581972730771	0.711211600477333	0.00176704078908397	0.835580989919711
UVM	SIRT1	cg19681528	0.0750739223279945	80	0.664911328235936	0.508068397430507	0.00563609381370975	0.690664772043072
UVM	SIRT1	cg19980381	-0.0229409156394766	80	-0.202662017052556	0.83992691860467	0.000526285610377583	0.914247231098157
UVM	SIRT1	cg25513531	0.02466904293696	80	0.21793741229136	0.82804702380041	0.000608561679425576	0.907538604811625
UVM	SIRT4	cg04118464	0.0699551667341378	80	0.61934461378033	0.537494253498546	0.00489372535280102	0.713377784088715
UVM	SIRT4	cg07106325	-0.150373623857207	80	-1.3433386687462	0.18305773730479	0.0226122267519487	0.361093199855187
UVM	SIRT4	cg08264848	0.137383725630648	80	1.22495535985451	0.224278432400338	0.0188742880681571	0.41346785084961
UVM	SIRT4	cg12124973	0.0922846934666599	80	0.818529284957475	0.415548741593432	0.00851646464823539	0.611146377864479
UVM	SIRT4	cg20010714	0.187543445317118	80	1.68625932590041	0.0957421227816838	0.035172543881415	0.230829104028212
UVM	SIRT4	cg21068152	0.0570200694467146	80	0.504408273889776	0.615396475006544	0.00325128831970816	0.771159356107862
UVM	SIRT4	cg21123573	0.0336629656982955	80	0.297471857724459	0.766897122656063	0.00113319525960462	0.870795628576031
UVM	SIRT5	cg01064902	-0.140530096105072	80	-1.25356810272396	0.213743434485659	0.0197487079113007	0.400297473275172
UVM	SIRT5	cg02206980	-0.101150978425478	80	-0.897946743659257	0.371977372558967	0.0102315204364315	0.570637686514806
UVM	SIRT5	cg02712746	-0.474571045244925	80	-4.76166334320871	8.693064561421e-06	0.225217676984861	0.000115581655185641
UVM	SIRT5	cg06139021	0.213216412938053	80	1.92739687155829	0.0575710930693914	0.0454612387461703	0.159759064501685
UVM	SIRT5	cg07534331	-0.436792329485076	80	-4.28835789806866	5.1056437261947e-05	0.190787539096999	0.000539804903554757
UVM	SIRT5	cg07909422	-0.140778730390258	80	-1.25583079459212	0.212926118373886	0.0198186509302928	0.399269687208396
UVM	SIRT5	cg08619119	-0.456506245342525	80	-4.5314852444907	2.08052019606005e-05	0.208397952036729	0.000247935030839914
UVM	SIRT5	cg10907941	-0.387741619608341	80	-3.71507893332049	0.000380028488682829	0.150343563576499	0.00297813400308169
UVM	SIRT5	cg11824369	-0.524367726340865	80	-5.4387954406643	5.96527690751427e-07	0.274961512427888	1.08097542917113e-05
UVM	SIRT5	cg19366958	0.0285292702863481	80	0.252066294547833	0.801652824458527	0.000813919263071506	0.891739183898286

UVM	SIRT5	cg20150972	0.0411389047655431	80	0.363636810689344	0.717112997674909	0.00169240948530843	0.839250877549594
UVM	SIRT7	cg11691214	-0.24392656255445	80	-2.22140137251013	0.0292234644436291	0.0595001679196298	0.0968356345754433
UVM	SIRT7	cg12710567	-0.322092901848921	80	-3.00477791145945	0.00357265826690563	0.103743837421458	0.0189558980504472
UVM	SIRT7	cg17552093	0.0546224475846171	80	0.483133675069851	0.630354201417125	0.00298361178013424	0.781844116175221
UVM	SIRT7	cg20397086	-0.157706724857603	80	-1.4104788209622	0.162374005123484	0.0248714110653117	0.333027243727296
UVM	SMARCA	cg03460558	-0.0651288071500892	80	-0.576425879995083	0.565987068367684	0.00424176152079351	0.735146027729748
UVM	SMARCA	cg06675660	-0.0747399125434792	80	-0.661936430371019	0.509962893019519	0.00558605452700691	0.6923705809495
UVM	SMARCA	cg08617833	-0.155654967511016	80	-1.39166983857673	0.167978492093814	0.0242284689108554	0.340980846011529
UVM	SMARCA	cg12935118	-0.054710812038308	80	-0.483917600238486	0.629800238901654	0.00299327295389107	0.781576399973124
UVM	SMARCA	cg17420696	0.0459266798268736	80	0.406041903619273	0.685823608224665	0.00210925991992016	0.8191581994857
UVM	SMARCA	cg18959966	-0.0707815791673317	80	-0.626697840286632	0.532687302390726	0.00501003194942125	0.709939456274248
UVM	SMARCA	cg24447042	-0.212331817009526	80	-1.919022092366	0.058639547533277	0.045084800514567	0.161944157080612
UVM	SMARCA	cg26010110	-0.150713217529832	80	-1.34644280375386	0.182059498034408	0.0227144739381944	0.359625640253123
UVM	SMARCA	cg27353825	-0.163917477398095	80	-1.46752968847882	0.146252875530205	0.026868939396555	0.310362972230469
UVM	SMARCA	cg04518912	-0.0278802633030518	80	-0.246327573324151	0.806075759863758	0.000777309081847499	0.894816673509057
UVM	SMARCA	cg13529335	-0.110941211604005	80	-0.985892192559517	0.327234409666818	0.0123079524321645	0.526737147960119
UVM	SMARCA	cg14290704	-0.171533669851991	80	-1.53773628305229	0.128160065242005	0.0294237998928918	0.283281264822745
UVM	SMARCA	cg21210735	-0.139358368141851	80	-1.24290806228805	0.217625040389196	0.0194207547711596	0.405159550749616
UVM	SMARCA	cg08405378	-0.0305608956269988	80	-0.270032652470087	0.787848294748051	0.000933968341524312	0.883139340657491
UVM	SMARCA	cg17218495	-0.0410602745201634	80	-0.362940603885878	0.71763094391717	0.00168594614367118	0.839623131718463
UVM	SMARCA	cg17747332	0.123230554751993	80	1.09670177707183	0.276146164576754	0.0151857696244839	0.472693791165181
UVM	SMARCA	cg18522266	-0.00142505594446413	80	-0.0125857661021416	0.989990412642183	2.03078444485254e-06	0.994592368632072
UVM	SMARCA	cg23892580	-0.172745972167267	80	-1.54893720344128	0.125444922275418	0.0298411709000142	0.279103740411665
UVM	SMARCA	cg01278696	0.214719035979666	80	1.94163412530757	0.0557925699455221	0.046104264412037	0.1561244239082
UVM	SMARCA	cg01575392	-0.0538922016952745	80	-0.476655733423291	0.63493939955567	0.00290436940356415	0.784949507983908
UVM	SMARCA	cg02782292	0.566725266076065	80	6.07493689110426	4.25407018569016e-08	0.321177527208987	1.01298174479823e-06
UVM	SMARCA	cg05358385	-0.0613512498369283	80	-0.542862190689224	0.588772595671569	0.0037639758565532	0.752244895421244
UVM	SMARCA	cg10878459	-0.101418304339315	80	-0.900344503854504	0.370708369047504	0.0102856724550619	0.569364610011284
UVM	SMARCA	cg12253543	-0.230296145771501	80	-2.09010117147017	0.0398669515989566	0.0530363147572084	0.122194146514685
UVM	SMARCA	cg13848802	-0.0163399577366451	80	-0.144329868202418	0.885612260776081	0.000266994218835349	0.939396239634776
UVM	SMARCA	cg13898584	-0.295437347346608	80	-2.73114451313276	0.00780123935134788	0.0872832262072004	0.035255583484301
UVM	SMARCA	cg16091845	0.0735247549502471	80	0.651115367315193	0.516885691987647	0.00540588959049389	0.697955382949508
UVM	SMARCA	cg16587443	0.0573576761965616	80	0.507404623633672	0.613302636493016	0.00328990301866961	0.76979727493728
UVM	SMARCA	cg19993723	-0.227991651252611	80	-2.06803335804311	0.0419518489714145	0.0519801930408922	0.126766445479985
UVM	SMARCA	cg20045045	-0.0466110219863341	80	-0.412105310728801	0.681392624297739	0.00217258737061052	0.816222095981819
UVM	SMARCA	cg22077701	-0.0158778080663861	80	-0.140246683468389	0.888826622303629	0.000252104788992995	0.941022309169811
UVM	SMARCA	cg24607315	-0.160036075826313	80	-1.43185529662931	0.156180337669137	0.0256115455658855	0.324550711043809
UVM	SMARCB	cg01745726	0.232127722535856	80	2.10766679211216	0.0382720454460145	0.0538832795696833	0.118477337979596
UVM	SMARCB	cg01912455	0.229422586206964	80	2.08173163041781	0.0406468895955218	0.0526347230618918	0.123770319758651
UVM	SMARCB	cg03979008	-0.0959454119695497	80	-0.851294298219754	0.397211886767132	0.00920552207800662	0.593810321671899
UVM	SMARCB	cg10122452	0.115038745021577	80	1.02278495010506	0.30957124220779	0.0132339128561394	0.508215021341567
UVM	SMARCB	cg16142952	0.180013120539203	80	1.61623531542245	0.110081183163527	0.0324047235662617	0.255136468435078
UVM	SMARCB	cg19906397	0.124458063945842	80	1.10779712662837	0.271353874382094	0.0154898096811473	0.467632736089037
UVM	SMARCC	cg02564102	0.284123090256713	80	2.6171663393955	0.0106447433276134	0.0807259304170242	0.0447595893426493
UVM	SMARCC	cg02627110	-0.358384808909442	80	-3.39037835701464	0.00109776784386801	0.128439671257057	0.00725263283616715
UVM	SMARCC	cg05592996	-0.541310901996969	80	-5.68577593533649	2.16640299650384e-07	0.293017492620773	4.34699908976064e-06
UVM	SMARCC	cg07143957	0.0478792420755183	80	0.423343535865318	0.673209668137481	0.00229242182172609	0.810932967747781
UVM	SMARCC	cg07304068	-0.515772153356951	80	-5.31695946677539	9.76823514944907e-07	0.266020914178466	1.67750570687912e-05
UVM	SMARCC	cg07474652	-0.0955247492366674	80	-0.847527438240568	0.399294347653061	0.00912497771672818	0.595915751857465
UVM	SMARCC	cg12894336	-0.433046471380726	80	-4.24304792526754	6.01802015779556e-05	0.187529246375298	0.00062405473227879
UVM	SMARCC	cg16250355	0.00249480402220901	80	0.0220335811016329	0.982477437038007	6.22404710923026e-06	0.990871196433976
UVM	SMARCC	cg20685352	-0.330424796217283	80	-3.09189748349385	0.00275835609652944	0.109180545955233	0.015394472643189
UVM	SMARCC	cg22984439	-0.102592990192809	80	-0.910883105321131	0.365163402675077	0.0105253216367019	0.564133802281852
UVM	SMARCD	cg02553054	-0.0644778734710943	80	-0.570640584590047	0.569883626323776	0.00415739616735445	0.738049662244591
UVM	SMARCD	cg04550398	-0.275089435975661	80	-2.52701998188834	0.0135265154909051	0.0756741977854071	0.0539548657180674
UVM	SMARCD	cg09878554	0.14674314738527	80	1.31018360877228	0.193979017717073	0.0215335513045351	0.375167365273285
UVM	SMARCD	cg13349421	0.0657848949266394	80	0.58225773120742	0.562072395288882	0.00432765240050898	0.732365127193758

UVM	SMARCD	cg17846064	-0.269947196416247	80	-2.4760314366914	0.0154514396634402	0.0728714888529919	0.0597425381963705
UVM	SMARCD	cg18591973	0.0164673888624459	80	0.145455763838973	0.884726269092688	0.000271174895947009	0.938891501980647
UVM	SMARCD	cg20405918	-0.153580242478564	80	-1.3726690749555	0.173789254773481	0.0235868908797745	0.348834050257971
UVM	SMARCD	cg22402853	-0.104996100052556	80	-0.932454465043431	0.353979100200319	0.0110241810262464	0.55298305395766
UVM	SMARCD	cg25107077	0.0143745096035712	80	0.126965349271677	0.899294562084292	0.00020662652634316	0.946832025424861
UVM	SMARCD	cg00945038	-0.138671443243615	80	-1.23666109793735	0.219923603995734	0.0192297691712671	0.408040660384081
UVM	SMARCD	cg02127607	0.177099651476564	80	1.58922273444593	0.116055549481336	0.0313642865531206	0.264584749768516
UVM	SMARCD	cg02360836	0.015364714278519	80	0.135713502477757	0.892397411151899	0.000236074444860527	0.943018690365797
UVM	SMARCD	cg04367190	0.199909137078505	80	1.80192250850859	0.075421303749242	0.0399636630874726	0.194675500310844
UVM	SMARCD	cg06420487	-0.222777774237234	80	-2.0182399017916	0.047004235985008	0.0496299366940959	0.137929445672276
UVM	SMARCD	cg07362569	-0.0434135580001756	80	-0.383779995366371	0.702185664074384	0.00188473701823461	0.829549454077489
UVM	SMARCD	cg11697258	-0.195474864185905	80	-1.76034660958136	0.0822691295606419	0.0382104225284982	0.207115769549716
UVM	SMARCD	cg12577610	-0.173780075454399	80	-1.55849740767726	0.123163815314581	0.0301995146249367	0.275634721051574
UVM	SMARCD	cg15868002	-0.123551068531593	80	-1.09959837812435	0.274889429254816	0.0152648665352985	0.471382715237163
UVM	SMARCD	cg19016967	0.104336051644699	80	0.926527954948937	0.357029672250073	0.0108860116728054	0.555906697416531
UVM	SMARCD	cg19143629	-0.0324270164974202	80	-0.286538344104374	0.775225554973459	0.00105151139892396	0.875473925378238
UVM	SMARCD	cg21254277	-0.120948037452526	80	-1.07608384794699	0.285206940730459	0.0146284277636175	0.482434930695394
UVM	SMARCD	cg23682543	-0.148436461063984	80	-1.32564084768586	0.188828184372582	0.0220333829731996	0.368578591772191
UVM	SMARCD	cg24795630	-0.00976972482447809	80	-0.0862879914654163	0.931458605049919	9.54475231460235e-05	0.963712161049667
UVM	SMARCD	cg25945412	-0.0275883821667038	80	-0.243746771771225	0.80806690231585	0.000761118830576098	0.896071396311034
UVM	SMARCD	cg00864064	0.0512799575648886	80	0.453488969965769	0.651455841916874	0.00262963404785677	0.796314173369303
UVM	SMARCD	cg02917064	-0.236906024413196	80	-2.1536049525058	0.0343598579547723	0.056124464403266	0.109271146665586
UVM	SMARCD	cg14795305	-0.306789214958378	80	-2.84676726505802	0.00564182256754727	0.0941196224147781	0.0273253607782202
UVM	SMARCD	cg19786287	-0.00893699052114955	80	-0.0789325153724661	0.937288451139523	7.9869799575117e-05	0.966496795831927
UVM	SMARCD	cg19902439	0.0397576360956937	80	0.35140777424212	0.726229933964197	0.00158066962791761	0.844933110859837
UVM	SMARCD	cg22750243	0.0755028733199698	80	0.668732161520078	0.50564071939389	0.00570068387957141	0.688748671461835
UVM	SMARCD	cg22787816	-0.00477283708631388	80	-0.0421530359255275	0.966484419831549	2.27799738524931e-05	0.982383079066773
UVM	SMNDC1	cg03999743	0.0116051727126633	80	0.102501012863029	0.918622071276709	0.000134680033690746	0.957067664129696
UVM	SMNDC1	cg08770590	-0.0425990093646626	80	-0.376566091647151	0.707518522856875	0.00181467559885061	0.833306020607224
UVM	SMNDC1	cg11559952	0.118010990614229	80	1.04957900345685	0.297152886641213	0.0139265939057516	0.495206008083942
UVM	SMNDC1	cg12486840	-0.122931817038731	80	-1.09400228815179	0.277320970189248	0.0151122316404439	0.474100520269203
UVM	SMNDC1	cg17981675	0.0673775422106854	80	0.596417669067851	0.552623295502551	0.00453973319435269	0.724865731512584
UVM	SMNDC1	cg18209001	0.0807775589563487	80	0.715747035459634	0.47628481919311	0.00652501403094639	0.664090168088723
UVM	SMNDC1	cg21872391	-0.0587880888451929	80	-0.520101866608487	0.604465648764565	0.00345603939007029	0.763311430565548
UVM	SMNDC1	cg23721301	0.0105015521074501	80	0.0927523115621809	0.92633815873028	0.00011028259666549	0.961207754436712
UVM	SMNDC1	cg26944434	0.174939417621727	80	1.56922175814328	0.120644362947665	0.030603799837829	0.27163924549653
UVM	SMYD1	cg00578637	-0.0249661596879857	80	-0.220563902576776	0.826008316930295	0.000623309129566001	0.906415175084639
UVM	SMYD1	cg00666842	0.12515345480922	80	1.11408499347928	0.268663951306692	0.0156633872506835	0.464464619834947
UVM	SMYD1	cg03704645	0.0689955454848189	80	0.61080773297963	0.543102713022578	0.00476038529674771	0.717521524890203
UVM	SMYD1	cg14559139	0.0230706123798348	80	0.203808377623623	0.839034049914151	0.000532253155580586	0.913862974629559
UVM	SMYD1	cg16090764	-0.121855520124816	80	-1.08427902519163	0.281581229700899	0.0148487677848894	0.478689936481977
UVM	SMYD1	cg18148488	-0.0598129823488776	80	-0.52920143863604	0.598168608527528	0.00357759285746715	0.758758967728
UVM	SMYD1	cg19074493	0.0245928016291842	80	0.217263454067668	0.828570347651527	0.000604805891972405	0.907881935057366
UVM	SMYD2	cg01770831	-0.144639821605111	80	-1.2909999921077	0.200516909282087	0.0209206779939584	0.383531973856478
UVM	SMYD2	cg04406444	-0.00626426684146081	80	-0.0553255922741619	0.95602054394341	3.92410390610253e-05	0.976672867608683
UVM	SMYD2	cg11523160	-0.0512649460128922	80	-0.453355867008982	0.651551248699765	0.00262809468970475	0.796369743057866
UVM	SMYD2	cg14013804	0.108591481608035	80	0.964759139362431	0.337647122016606	0.0117921098778282	0.537085579695327
UVM	SMYD2	cg27570636	-0.0276743724710463	80	-0.244507088154853	0.807480169978221	0.000765870891666203	0.895805259082608
UVM	SMYD5	cg01329511	-0.0043303617957181	80	-0.0382450784326372	0.969589996710156	1.87520332818149e-05	0.984061878304425
UVM	SMYD5	cg05103132	0.0159033999769579	80	0.140472790739244	0.888648577061801	0.000252918130827106	0.940923445720081
UVM	SMYD5	cg06754047	-0.123631021380428	80	-1.10032099588423	0.274576531640529	0.0152846294475678	0.471022662075091
UVM	SMYD5	cg08834152	0.333452285954835	80	3.12375265745851	0.00250646276324404	0.111190427008505	0.0142680933853217
UVM	SMYD5	cg15623359	-0.120281325810295	80	-1.0700647406034	0.287890327276569	0.0144675973386823	0.485408868586692
UVM	SMYD5	cg17895873	0.017011756304447	80	0.150265508578497	0.880943044591544	0.000289399852561891	0.936857776530116
UVM	SMYD5	cg20402064	0.0178933689388813	80	0.158055260072682	0.874821730174789	0.000320172651982922	0.933768940318285
UVM	SMYD5	cg25886337	0.203511885803731	80	1.83578678167272	0.0702002341412147	0.0414170876633907	0.184749312894973
UVM	SMYD5	cg26467949	-0.0190407605393862	80	-0.168193935963857	0.866866069551364	0.000362550561918249	0.929245938612351

UVM	SP100	cg05876232	0.175462475727679	80	1.57406244318523	0.119520698153094	0.0307870803884865	0.270007933329126
UVM	SP100	cg09456094	-0.0464317793419308	80	-0.410517129530925	0.682552152068603	0.00215591013285775	0.817027372932393
UVM	SP100	cg111702456	-0.064407528363469	80	-0.570015423153448	0.570305469621872	0.00414832970989107	0.738331564382825
UVM	SP100	cg11827097	-2.12667529341615e-05	80	-0.0001878228763602	0.999850618569267	4.52274780362667e-10	0.99990349231291
UVM	SP100	cg23539753	-0.0654796680099263	80	-0.579544527852222	0.563891993655255	0.00428758692269017	0.733696110082945
UVM	SP100	cg27140170	-0.228627881646903	80	-2.0741222095139	0.0413674005577093	0.0522707082663502	0.125424255943037
UVM	SP140L	cg04002454	-0.353001938125579	80	-3.33214346771999	0.00131943803139324	0.124610368320415	0.00844740039619833
UVM	SP140L	cg05217331	0.335786962346904	80	3.14839223712557	0.00232651882224911	0.112752884082161	0.0134336610565644
UVM	SP140L	cg13278004	-0.369139806822065	80	-3.50790417205821	0.00075286602128196	0.136264196980631	0.00529891263530605
UVM	SP140L	cg24044052	-0.251054728262363	80	-2.2906171631851	0.0246868934192401	0.0630284765828891	0.0854007553653665
UVM	SP140L	cg25095994	-0.50404534624634	80	-5.15424977547018	1.87381749718728e-06	0.254061711072592	2.97918982988324e-05
UVM	SP140L	cg26847438	-0.434701023104222	80	-4.26302775270364	5.59780604507393e-05	0.188964979487857	0.00058515953167224
UVM	SSRP1	cg01511567	-0.297462862315898	80	-2.75168009701504	0.007369625095818	0.0884841544571671	0.0337192369473398
UVM	SSRP1	cg01766191	-0.0361753072819446	80	-0.31970092042519	0.750049802336788	0.00130865285694311	0.860001390210295
UVM	SSRP1	cg02688348	0.2303407876957	80	2.09052902714144	0.0398274308190272	0.0530568784762755	0.122106690042382
UVM	SSRP1	cg04937561	-0.0587298448470091	80	-0.519584793977157	0.604824379704162	0.00344919467575376	0.763628080282809
UVM	SSRP1	cg08821673	-0.0696627968042324	80	-0.616743481507502	0.539199968843225	0.00485290525858777	0.714606138335238
UVM	SSRP1	cg09381635	-0.226806249367016	80	-2.05669627167061	0.0430590508232638	0.0514410747519331	0.129208709729797
UVM	SSRP1	cg11948159	-0.15450261204997	80	-1.38111401516691	0.171188016312271	0.0238710571302634	0.345294844740793
UVM	SSRP1	cg12795368	0.177750083590601	80	1.59524952549401	0.114700572573484	0.0315950922164655	0.262434790874377
UVM	SSRP1	cg12911972	0.0919393928709163	80	0.815440444631233	0.417303316260488	0.00845285196147269	0.612765325603889
UVM	SSRP1	cg16313264	0.183724785919203	80	1.65071225646753	0.102818488689564	0.033754796961057	0.243002233233563
UVM	SSRP1	cg22636253	-0.22643454166677	80	-2.05314327725485	0.0434111845728242	0.0512726016598402	0.130049664689552
UVM	SSRP1	cg26706201	0.0512197446130544	80	0.452955081530871	0.651838562580659	0.00262346223822652	0.796511829878735
UVM	STK31	cg00755064	0.0495640130934447	80	0.438276174979267	0.662397537205403	0.00245659139392716	0.803649342024416
UVM	STK31	cg05000488	0.0507755447891072	80	0.449016660474162	0.654664723263604	0.00257815594863063	0.798578540336293
UVM	STK31	cg05407490	0.0356678543737553	80	0.315210529016119	0.753443569547944	0.00127219583562741	0.862126421954384
UVM	STK31	cg11755819	0.00780916343498804	80	0.0689707670792505	0.945189398320073	6.09830335543543e-05	0.970693009009196
UVM	STK31	cg13313214	0.0116993006942747	80	0.103332498024497	0.91796430243224	0.000136873636735057	0.956818047074612
UVM	STK31	cg13514718	-0.142495088612955	80	-1.27145711993877	0.207344387896143	0.020304850278814	0.392270168093204
UVM	STK31	cg13802883	0.069632305624378	80	0.616472219343777	0.539378010448359	0.00484865798656679	0.714766011271694
UVM	STK31	cg14898779	-0.0706691425025858	80	-0.62569732899351	0.533340051066496	0.00499412770205078	0.710420030369631
UVM	STK31	cg17102984	0.0707529092025573	80	0.626442719950034	0.53285370760154	0.00500597416062532	0.710039590434461
UVM	STK31	cg17331904	0.0357219619982685	80	0.315689309365586	0.753081482211062	0.00127605856900574	0.861864226952959
UVM	STK31	cg21519371	0.125757706819403	80	1.11955011822222	0.266341201479369	0.015815000824475	0.462117314109146
UVM	STK31	cg25570411	0.0844303202883627	80	0.74834043358397	0.456505394490832	0.0071284789839955	0.646767937114495
UVM	STK31	cg25612145	0.13172686790164	80	1.17360694964231	0.244123688764495	0.0173519677271761	0.436844050323069
UVM	SUV39H	cg05903800	-0.0071013835725974	80	-0.0627193030093948	0.950150471763129	5.04296486451563e-05	0.97362951869571
UVM	SUZ12	cg00160853	0.145965431006437	80	1.30308825915622	0.196378320567752	0.0213059070488949	0.378440848556652
UVM	SUZ12	cg01109633	0.0454611432582052	80	0.40191748533545	0.688843945154064	0.00206671554634306	0.821151757574765
UVM	SUZ12	cg07482957	-0.13432307528093	80	-1.19715841760608	0.234870559550842	0.0180426885529265	0.425969140432187
UVM	SUZ12	cg08177746	-0.10117520867312	80	-0.898164066983176	0.371862242178755	0.0102364228500494	0.570506069537816
UVM	SUZ12	cg17335595	-0.146201509758995	80	-1.3052418177994	0.19564776069216	0.0213748814558095	0.377466938527005
UVM	SUZ12	cg25098644	0.0499738133712024	80	0.441908921921157	0.659777911210596	0.00249738202285976	0.801980669136204
UVM	TAF3	cg00194465	-0.184257821145882	80	-1.65566947747845	0.101806915350116	0.0339509446534277	0.241315270345731
UVM	TAF3	cg02334915	0.0173021992035268	80	0.152831763863817	0.878925619325247	0.000299366097278525	0.935697233349594
UVM	TAF3	cg03672997	-0.0493710074394052	80	-0.436565319247483	0.663632722329951	0.00243749637558181	0.804528637829116
UVM	TAF3	cg04179819	0.0873054247889754	80	0.774016144064382	0.441260997283474	0.00762223719758345	0.633850804562117
UVM	TAF3	cg04234156	-0.0458560286827734	80	-0.40541595325814	0.686281667820476	0.00210277536655534	0.819417431496236
UVM	TAF3	cg05976695	-0.05806531174951	80	-0.513685645386451	0.608923918068212	0.00337158042856779	0.76660093453454
UVM	TAF3	cg07855525	-0.116022411179815	80	-1.03164933561238	0.305424694648351	0.0134611998959781	0.503970828818432
UVM	TAF3	cg09871669	-0.0954814246425651	80	-0.847139510566897	0.399509188240234	0.00911670245177383	0.596156326893921
UVM	TAF3	cg09994553	-0.0204796772134913	80	-0.180909554035348	0.85690781752785	0.000419417178768795	0.923827400164829
UVM	TAF3	cg11104088	-0.137090536639254	80	-1.22229107135255	0.225278334009341	0.0187938152360387	0.414652850252518
UVM	TAF3	cg12176426	-0.0716225304686945	80	-0.634181761785015	0.527817782952508	0.00512978687073907	0.706317415058441
UVM	TAF3	cg12590721	-0.18060914863375	80	-1.62176685146034	0.108888861523333	0.032619664570208	0.253074214069855
UVM	TAF3	cg12777293	-0.137110918964516	80	-1.22247628051546	0.225208720634818	0.0187994040992941	0.414563952889544

UVM	TAF3	cg27268107	-0.0412730527976891	80	-0.364824597922291	0.716229644053791	0.00170346488724083	0.838674496518738
UVM	TCEA1	cg01677098	-0.418521797084713	80	-4.06987111563271	0.000111825893577309	0.175160494635017	0.00106102982863193
UVM	TCEA1	cg06047473	-0.496462033347576	80	-5.05108155465065	2.81938766090648e-06	0.24647455055561	4.28047313997967e-05
UVM	TCEA1	cg11530293	-0.106413622646763	80	-0.945186483935672	0.347482467040445	0.0113238590848078	0.546775845808862
UVM	TCEA1	cg11787876	0.559205803743921	80	5.95729787719594	6.98456642419439e-08	0.312711130940885	1.57039699538664e-06
UVM	TCEA1	cg12850379	0.369202755774721	80	3.50859677120792	0.000751177078105985	0.136310674871648	0.00528937994335418
UVM	TCEA1	cg23569945	-0.329005442994348	80	-3.077000067607	0.00288407367607805	0.108244581519907	0.0159496429627366
UVM	TCEA1	cg26181865	-0.666817608937963	80	-7.90258727896217	1.4527403899155e-11	0.444645723589743	6.68329307469464e-10
UVM	TCEA1	cg26358945	-0.211916670943166	80	-1.91509346417492	0.0591465174753713	0.0449086754236341	0.162973973027274
UVM	TDRD1	cg00337703	-0.660842843686359	80	-7.7764382957007	2.54745952673978e-11	0.436713264051474	1.12027736813564e-09
UVM	TDRD1	cg02635786	-0.706801193283674	80	-8.8241322271566	2.36800221629068e-13	0.499567926827225	1.47609266357466e-11
UVM	TDRD1	cg16550453	-0.762136839367226	80	-10.3967319708962	2.19249524567106e-16	0.580852561920665	2.0280972073928e-14
UVM	TDRD1	cg23504215	-0.561190099794289	80	-5.98812971173065	6.13525848221133e-08	0.314934328107124	1.40213366147223e-06
UVM	TDRD1	cg23825092	-0.859878361870206	80	-14.8761122903351	1.74490022830987e-24	0.739390797212589	3.402074395016e-22
UVM	TDRD1	cg24203376	-0.73370729201434	80	-9.53679861142278	9.85155314317544e-15	0.538326390355015	7.36915120404029e-13
UVM	TDRD1	cg26600802	-0.725590245253072	80	-9.3125823350433	2.67426966338948e-14	0.526481204006413	1.90514774902675e-12
UVM	TDRD1	cg27547703	-0.709513855469732	80	-8.89219869558508	1.74686909782244e-13	0.503409911103524	1.11573016909687e-11
UVM	TDRD3	cg01557749	-0.0548350549597572	80	-0.48501984049401	0.629021697241849	0.00300688325243959	0.780934136308588
UVM	TDRD3	cg03447530	-0.0977819436664549	80	-0.867745096491088	0.388195778863174	0.00956130850718977	0.585995972074935
UVM	TDRD3	cg05666423	-0.0377956479579036	80	-0.334040800299913	0.739245221422353	0.00142851100455778	0.853120349433772
UVM	TDRD3	cg10765900	0.0333897993595805	80	0.295055244590532	0.768735616574934	0.00111487870127304	0.871802244352238
UVM	TDRD3	cg18522102	-0.228187618743514	80	-2.06990850767285	0.0417711052175756	0.0520695893478354	0.126372456999925
UVM	TDRD3	cg19937698	0.176256937958818	80	1.581417492911103	0.117829389570541	0.0310665081786186	0.267421872749969
UVM	TDRD3	cg20944895	-0.0118095674482597	80	-0.104306549493952	0.917193825473195	0.000139465883314995	0.956309661433305
UVM	TDRD3	cg22045829	0.0206089404703322	80	0.182051899356823	0.856014299017435	0.000424728427309698	0.9233735406448
UVM	TDRD3	cg23103367	-0.103725246549114	80	-0.921044698617002	0.359867073566199	0.0107589267716745	0.558703183543723
UVM	TDRD3	cg23767211	-0.0777620987421262	80	-0.688862174182226	0.49295398863438	0.00604694400078019	0.678380728671907
UVM	TDRD3	cg26737458	0.0822080266313754	80	0.728507490691103	0.468484586250188	0.00675815964262492	0.657457611756371
UVM	TDRD5	cg05378938	-0.111387128110783	80	-0.989904564540007	0.325281686487157	0.012407092308768	0.524762316998173
UVM	TDRD5	cg07171496	-0.176953310767152	80	-1.58786706341278	0.116362098714152	0.0313124741914564	0.264997305167462
UVM	TDRD5	cg07901138	-0.174525405945674	80	-1.56539122440893	0.121539501939501	0.0304591173205024	0.273054091139329
UVM	TDRD5	cg09656934	0.123446821782092	80	1.09865622356084	0.275297760126044	0.0152391178080996	0.471784948497048
UVM	TDRD5	cg11853788	0.0239394058595033	80	0.211487717811155	0.833058323638594	0.000573095152906021	0.910478360599907
UVM	TDRD5	cg12277666	-0.160175227865064	80	-1.43313306923827	0.155815979354451	0.025656103621625	0.323984291920141
UVM	TDRD5	cg13848905	-0.153163711342145	80	-1.36885664624578	0.174973387574028	0.0234591224720999	0.350478390054429
UVM	TDRD5	cg15545772	-0.117342896248661	80	-1.04355383413014	0.299915386289541	0.013769353000239	0.498198188439711
UVM	TDRD7	cg24339935	0.174455533962542	80	1.56474483685043	0.121691073901765	0.0304347333301556	0.273302577407178
UVM	TDRD9	cg07613153	0.0261591538101471	80	0.231110479052925	0.817834134114748	0.000684301328062932	0.902038629690392
UVM	TDRD9	cg08933517	0.0466399294940364	80	0.412361449714243	0.681205689494973	0.00217528302320868	0.816091465574903
UVM	TDRD9	cg16701547	0.0905816187616703	80	0.803297523667596	0.424243962984261	0.00820502965748459	0.61920083038651
UVM	TRIM24	cg00733782	0.102002852743773	80	0.905588255243902	0.367942698867091	0.0104045819678678	0.566840293793027
UVM	TRIM24	cg02308366	-0.0980064221423038	80	-0.869756480801758	0.387102193031249	0.00960525878113546	0.58504901607975
UVM	TRIM24	cg06386929	-0.012936045530675	80	-0.114257621090767	0.909327175156733	0.000167341273971696	0.95184539975165
UVM	TRIM24	cg06650216	-0.0184732111397996	80	-0.163178828760925	0.870799680642621	0.000341259529815616	0.931420248330667
UVM	TRIM24	cg10571650	0.202146682429783	80	1.82294539899379	0.0721433608223664	0.0408632812173674	0.188421426570039
UVM	TRIM24	cg10703331	-0.0990994509609278	80	-0.879552218697777	0.381803693993403	0.00982070118075734	0.580272281210349
UVM	TRIM24	cg13935558	0.0843681522349527	80	0.747785460977673	0.456838196524478	0.00711798511154015	0.647112355434261
UVM	TRIM24	cg26889928	0.149540175358634	80	1.33572239845796	0.185524516427116	0.0223622640462911	0.36426756407237
UVM	TRIM33	cg00760200	-0.191250697448234	80	-1.72084512327345	0.0892436218137867	0.0365768292744358	0.21952249147479
UVM	TRIM33	cg02852257	-0.347588191563231	80	-3.27395578859855	0.00158248115275538	0.120817550914197	0.00982973002215365
UVM	TRIM33	cg05792124	-0.0833080824166627	80	-0.738323593183291	0.46253356013824	0.00694023659594147	0.651960206870581
UVM	TRIM33	cg16036305	-0.193550381347136	80	-1.7423377019539	0.0853908924714291	0.0374617501196219	0.212722771433612
UVM	TRIM33	cg17645130	-0.178934986421271	80	-1.60623418475356	0.112263599633037	0.0320177293655804	0.258668793349301
UVM	TRIM33	cg18199720	0.234945457046045	80	2.13473644984619	0.0359224945321494	0.055199367786575	0.113066618370045
UVM	TRIM33	cg20932765	-0.427216529750162	80	-4.17306527167197	7.74341661477999e-05	0.182513963291771	0.000772395630375939
UVM	TRIM33	cg20992663	0.132721802204201	80	1.18262955240702	0.240548421997411	0.0176150767803311	0.432624110120762
UVM	TRIM33	cg21666217	-0.0358415496430058	80	-0.316747510474104	0.752281392672828	0.00128461668081205	0.861275390136145

UVM	TRIM33	cg21813112	-0.328009435118307	80	-3.06656002246906	0.0029753310205467	0.107590189526631	0.0163561306663012
UVM	TRIM66	cg06492264	0.105672969617545	80	0.938533304804823	0.350867613166589	0.0111667765077907	0.54981156407859
UVM	TRIM66	cg11245569	-0.0646076197864908	80	-0.571793670745239	0.569105950812359	0.00417414453447575	0.737416775000777
UVM	TRIM66	cg12608775	0.18059790389009	80	1.62166247570994	0.108911262931826	0.032615602889494	0.253111154583213
UVM	TRIM66	cg13143389	0.244306144538215	80	2.22507740195198	0.0289652932192165	0.0596854922591272	0.0962219668928059
UVM	TRIM66	cg27044202	-0.178743244238051	80	-1.60445614779463	0.112655214582528	0.0319491473607437	0.259394416717965
UVM	UBE2A	cg00142683	-0.118403922412634	80	-1.05312331000746	0.295535971432839	0.0140194888426971	0.493459948304401
UVM	UBE2A	cg00428314	-0.180099912613031	80	-1.6170406888163	0.109906933837777	0.0324359785232214	0.254793337037758
UVM	UBE2A	cg00935924	-0.0898800710850143	80	-0.797025177626462	0.427855898109068	0.00807842717824722	0.622130833769403
UVM	UBE2A	cg05206294	-0.0595331839678733	80	-0.526717068233987	0.599884816214296	0.00354419999335265	0.760056016165716
UVM	UBE2A	cg06206449	-0.0993866562740794	80	-0.882126688198499	0.380418727822501	0.00987770744534201	0.578781814089528
UVM	UBE2A	cg06273903	-0.010763857075754	80	-0.095069319247017	0.924503581536428	0.000115860619147259	0.960175237744498
UVM	UBE2A	cg09080960	-0.129162434402816	80	-1.15036784796479	0.253507035303302	0.0166829344608617	0.447534042455998
UVM	UBE2A	cg14625604	-0.110493621023157	80	-0.981865363456861	0.329201953225122	0.0122088402868091	0.528897769406574
UVM	UBE2A	cg15661671	-0.11573934049456	80	-1.02909810760957	0.306614231405387	0.0133955949381157	0.505076600134475
UVM	UBE2A	cg16211147	-0.133120453196901	80	-1.18624575489532	0.239126083391862	0.0177210550593483	0.430974296436533
UVM	UBE2A	cg17976175	-0.0165969443730737	80	-0.146600436378117	0.883825652064611	0.000275458562522904	0.938435213352728
UVM	UBE2A	cg18990292	-0.0883535293601431	80	-0.783380904976554	0.435775702790508	0.00780634615039366	0.628932785849964
UVM	UBE2A	cg25165659	-0.0984461154140943	80	-0.873696633210976	0.384965497381265	0.00969163764012518	0.583065745834125
UVM	UHRF2	cg06523306	0.177010810305499	80	1.58839971465195	0.116241576442068	0.0313328269650093	0.264861378880388
UVM	UHRF2	cg08487038	-0.0368670094833971	80	-0.325822111764579	0.745431446091304	0.00135917638824889	0.857002825017888
UVM	UHRF2	cg13428749	0.138266202762608	80	1.23297665425023	0.221287589279842	0.0191175428263906	0.409643221026937
UVM	UHRF2	cg14078101	0.101164021418981	80	0.898063727269249	0.371915395889524	0.01023415922966	0.570576364830592
UVM	UHRF2	cg20595300	0.28601864571766	80	2.63617707817886	0.0101131438934891	0.0818066656981642	0.0430054616841635
UVM	UHRF2	cg24119045	0.0813669361791311	80	0.721004018056512	0.473062564845748	0.00662057830317879	0.66112331212809
UVM	USP27X	cg00478198	0.0673036859918008	80	0.595760926418249	0.553059785520372	0.00452978614808293	0.72515224423198
UVM	USP27X	cg01125381	0.115608506879656	80	1.02791903086814	0.307165044049125	0.0133653268629436	0.505663204348596
UVM	USP27X	cg01290688	0.174252377746027	80	1.56286557178335	0.122132600189484	0.0303638911501442	0.273951430111893
UVM	USP27X	cg01855997	0.0374622482308107	80	0.331090028651685	0.741464319439907	0.00140342004250688	0.854527714648793
UVM	USP27X	cg06455206	-0.0552039756566635	80	-0.488292910768661	0.626712319611492	0.00304747892830149	0.779298267188651
UVM	USP27X	cg06624970	0.0231875613446399	80	0.204842072274831	0.838229114612384	0.000537663001111436	0.913422043274069
UVM	USP27X	cg16810342	0.0584297244829886	80	0.516920500282548	0.606674334894535	0.00341403270315796	0.764970552528291
UVM	USP27X	cg16867483	0.157699148546654	80	1.41040933269852	0.162394442504322	0.0248690214523396	0.333042228032135
UVM	USP27X	cg19318186	-0.117219557239551	80	-1.04244166596305	0.300427210402009	0.0137404245994364	0.498737661161571
UVM	USP51	cg00834229	-0.0288502468831264	80	-0.254904586716751	0.799467684495074	0.000832336745217345	0.890500777158719
UVM	USP51	cg01084827	-0.109445300201864	80	-0.972436319309434	0.33383957329687	0.0119782737362761	0.533432932774447
UVM	USP51	cg02714202	-0.00223379088894319	80	-0.0197283561770798	0.984310449621569	4.98982173552559e-06	0.991794100507212
UVM	USP51	cg03728850	-0.0834199837601004	80	-0.739322271548386	0.461930528079966	0.00695889369053541	0.651452512625592
UVM	USP51	cg07386410	-0.0170928787147103	80	-0.150982274918327	0.880379489020347	0.000292166502755796	0.936524517624155
UVM	USP51	cg12064531	-0.0050045445741557	80	-0.0441994944257635	0.964858343205854	2.50454663947112e-05	0.981512539573662
UVM	USP51	cg12517811	0.0209934475547494	80	0.185449979273266	0.853357508728377	0.000440724840234013	0.921837034423598
UVM	USP51	cg18770944	-0.0280158238882841	80	-0.247526216101789	0.805151416607724	0.000784886388139348	0.894185126466552
UVM	USP51	cg21331369	-0.049102619168455	80	-0.434186332505525	0.66535182661276	0.00241106720920233	0.805797151078275
UVM	USP51	cg25424556	0.115429537620857	80	1.02630624196583	0.307919548867943	0.0133239781553648	0.506508222879344
UVM	WDR82	cg01736403	-0.162363317481447	80	-1.45323693038862	0.150169526562282	0.0263618468635811	0.315848491345234
UVM	WDR82	cg03869063	-0.449914390412049	80	-4.4492915365703	2.82631432108518e-05	0.202422958699846	0.000323481383396352
UVM	WDR82	cg10989431	0.247739982836583	80	2.25838181841848	0.026716043325119	0.0613750990958706	0.0905292274369703
UVM	WDR82	cg11442381	-0.429333285044813	80	-4.19840021859051	7.06990011886968e-05	0.18432706964737	0.000715597847590779
UVM	WDR82	cg11665333	-0.71408973756409	80	-9.00883107678705	1.03739346495841e-13	0.509924153294351	6.86249891266788e-12
UVM	WDR82	cg12661343	-0.349166622133483	80	-3.29088207339715	0.00150128308302948	0.121917330012107	0.00940647681710656
UVM	WDR82	cg13539115	-0.290945718460922	80	-2.68574972062491	0.00883837318768166	0.0846494110907423	0.0387888755010316
UVM	WDR82	cg15991175	-0.415030416092517	80	-4.02881844740276	0.000129247016207733	0.172250246281927	0.00119969483103024
UVM	WDR82	cg17632831	-0.404168647825247	80	-3.90246135379294	0.00020076524418544	0.163352295884889	0.00174217725011609
UVM	WDR82	cg24007312	-0.0111308955187754	80	-0.0983114978802751	0.92193715487922	0.000123896835049895	0.959057250298473
UVM	WDR82	cg26236504	0.289240257485963	80	2.66856447996985	0.0092627159615203	0.0836599265505462	0.0401932020030405
UVM	WDR82	cg26858096	-0.585786340654319	80	-6.38339909104536	1.14342925672663e-08	0.343145636897178	3.09075523272381e-07
UVM	ZMYND1	cg00614684	0.114566307300848	80	1.01852862576142	0.311575659657002	0.0131254387685522	0.510406975665035

UVM	ZMYND1	cg02813021	0.19768078473319	80	1.78101517578481	0.0788031970571941	0.0390776926527297	0.200733985326371
UVM	ZMYND1	cg02867818	-0.159857502624325	80	-1.43021566497309	0.156648845182961	0.0255544211452861	0.325166071172625
UVM	ZMYND1	cg03254875	-0.06465891275141	80	-0.57224953146967	0.568798647368277	0.00418077499819445	0.737165927654145
UVM	ZMYND1	cg05236965	0.0177505263992131	80	0.156793107634592	0.875813042169791	0.00031508118744916	0.934340215710097
UVM	ZMYND1	cg08828193	0.165166338209433	80	1.47902290929079	0.143161556027425	0.027279919277513	0.305914137493752
UVM	ZMYND1	cg12639781	-0.0160952975373922	80	-0.142168235067607	0.887313704452162	0.000259058602817183	0.940111437850208
UVM	ZMYND1	cg13939078	0.208568231613214	80	1.8834458287059	0.0633672840073688	0.0435007072382631	0.17130082363152
UVM	ZMYND1	cg14255089	0.19228740513795	80	1.73053040647189	0.0874901347129102	0.036974446174686	0.216454889322482
UVM	ZMYND1	cg14694828	-0.113943702114534	80	-1.01292046948272	0.314229981459597	0.0129831672515656	0.513306746271085
UVM	ZMYND1	cg17632565	-0.10324292741286	80	-0.916715617815538	0.362117396255325	0.0106591020607771	0.561043610449637
UVM	ZMYND1	cg22593633	-0.198644651533879	80	-1.79005502768661	0.0773258145995471	0.0394596975830163	0.198158066375372
UVM	ZMYND1	cg24757747	0.0335634502179047	80	0.29659146916203	0.767566744216792	0.00112650519052977	0.871187862733271